*ECM*

**environmental compliance monitoring, inc.**

# PERIODIC REVIEW REPORT
# LONG TERM GROUND WATER MONITORING PROGRAM
# ANNUAL REPORT

## JANUARY 2018 – DECEMBER 2018

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

**SUBMITTED TO:**

**NEW YORK STATE**
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**DIVISION OF ENVIRONMENTAL REMEDIATION**
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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 2018 through December 2018. 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 2018, the long-term ground water monitoring program within OU1 consisted of semi-annual monitoring of MW-31, MW-36, and MW-71 during March 2018, every fifth quarter monitoring of MW-43 and MW-54 during June 2018, and annual monitoring of MW-24 and PZ-23 during September 2018.

However, the NYSDEC 2017 PRR approval letter dated July 16, 2017, approved the recommendation to sample the site long term ground water monitoring wells on an annual basis. Therefore, during September 2018 the ground water sampling event was scheduled to sample MW-24, PZ-23, MW-31, MW-37, MW-43, MW-71, and the OU2 well, MW-54. However, during the sampling activity in September, MW-43 was found buried and compromised by site development activities sometime between the last sample event in June and through September 2018. As a result, MW-43 was not sampled during September 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 2017 PRR, dated July 16, 2018, agreed with and accepted the proposed recommendation to amend the monitoring program frequency of MW-54 from every fifth quarter to sampling on an annual basis. Monitoring well MW-54 sampling was conducted in June and September of 2018 with the results summarized within Section 5.4 of this PRR. The next annual sampling event will be conducted during September 2019.

## 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 were 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 29$^{th}$, 2016 through December 1$^{st}$, 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 2018 monitoring period, synoptic water level measurements were collected during September 2018 and ground water monitoring was conducted as required by the site long term ground water monitoring program presented in the 2017 PRR. The exception was MW-43, which was compromised sometime during June and September 2018 and was unabled to be sampled.

## 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, the draft Environmental Easement Application has been prepared and is currently under review by the property owner, who must approve the document prior to 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 27, 2018. 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 2018. 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. Based on the 2017 PRR recommendation and NYSDEC approval, the 2018 long term ground water monitoring program entailed semi-annual monitoring of MW-31, MW-36, and MW-71 during March 2018, every fifth quarter monitoring of MW-43 and MW-54 during June 2018, and annual monitoring of MW-24 and PZ-23 during September 2018. The NYSDEC 2017 PRR approval letter dated July 16, 2017, approved the recommendation to sample the site long term ground water monitoring wells on an annual basis in September. Therefore, during September 2018 the ground water sampling event was scheduled to sample MW-24, PZ-23, MW-31, MW-36, MW-43, MW-71, and the OU2 well, MW-54. As previously stated, MW-43 was compromised during site development activity and was not sampled during September 2018.

The wells from commencement of the monitoring program were analyzed for NYSDEC Target Compound List (TCL) VOCs plus 15 library search compounds, including a search for Methyl Isobutyl Ketones [MIBK] and 1,4-dioxane (TCL-VOC+15). Additionally, during 2007, four monitoring points along the eastern property boundary (PZ-12, MW-33S, MW-43, and MW-44) were sampled annually through 2011 to assess potential impact to site ground water from adjacent landfilling activities. These samples were analyzed for TCL Base Neutral Compounds (BNs) plus 15 library search compounds (TCL-BN+15), priority pollutant metals (PP Metals) and manganese. The 2011 PRR findings indicated that the select metals reported in these wells were a result of the backfill and landfilling activities during construction of the adjacent property east of the site. As such, it was proposed to cease sampling from these wells and the NYSDEC subsequently concurred as documented in their April 23, 2012 letter.

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

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

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

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

The MW-31 In-Situ WP proposed installation of three delineation monitoring wells, MW-70, MW-71 and MW-72, during July 2012 to assess the effectiveness of the in-situ remediation. The three wells were installed up-gradient (MW-71) and cross-gradient (MW-70 and MW-72) of MW-31. During the December 2012 post-application sampling of MW-71 (up-gradient well), DNAPL was observed within the well. The

DNAPL was reported to the NYSDEC in an e-mail dated March 18, 2013, entitled *MW-31 Workplan Results Summary*. The Results Summary stated that the DNAPL would be gauged and sampled to assess the composition of the material.

Based on the chlorinated VOCs reported in MW-24 and DNAPL in MW-71, the NYSDEC requested a delineation workplan to assess the extent of the VOCs and DNAPL proximal to MW-24 and MW-71, respectively. The MW-24 and MW-71 Delineation Workplan was submitted to the NYSDEC on August 2, 2013. The NYSDEC approved the MW-71 and MW-24 Delineation Workplan in their letter dated August 26, 2013.

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

Based on the results, the delineation of VOCs reported in MW-24 has been completed and annual monitoring of MW-24 and downgradient well PZ-23 was proposed concurrent with the OU1 long term ground water monitoring program. The MW-24 and PZ-23 sampling was conducted on September 27, 2018 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 2017 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 | Annually, September | TCL-VOC+15 w/search MIBK, 1,4-dioxane |
| MW-36 | Annually, September | TCL-VOC+15 w/search MIBK, 1,4-dioxane |
| MW-71 | 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-43 | Annually, September[a] | 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 |

a – MW-43 compromised, was not sampled during September 2018. Re-installation prior to September 2019 sampling event. .

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

## 5.3 OU1 Monitoring Results

The 2018 sampling of the aforementioned OU1 wells were performed during March, June and September 2018. The wells were analyzed for TCL-VOCs+15 and a search for MIBK and 1,4-dioxane. The laboratory analysis was performed by Test America (TA) Laboratories of Edison, New Jersey, a New York State certified laboratory (NYSDEC Certification #11452). The results of the March, June, and September 2018 ground water monitoring events for OU1 are summarized on Tables 1, 2, and 3 and depicted on Figure 5. The analytical data packages are included in Appendix B.

### 5.3.1 March 2018 Monitoring Results

Semi-annual ground water sampling was conducted on March 29, 2018. The sampling results are presented on Table 1 and depicted on Figure 5. The results of the March sampling event are presented below.

Review of the analytical results indicated that monitoring wells MW-31 and MW-71, reported select VOCs above the NYSDEC-GWQC. MW-36 was also sampled but no results were reported 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 4) is indicative of these target compounds being historically detected above their respective GWQC in this well, with the exception of toluene, which was reported marginally above NYSDEC-GWQC during March 2018. Since the 2012 in-situ remediation, benzene, chlorobenzene, and chloroethane concentrations were generally decreasing through 2016; however, have fluctuated during 2017 and 2018. .

b. The results from the downgradient well, MW-36 reported VOCs as not detected above the NYSDEC GWQC during March (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 MW-71 upgradient well reported benzene and chlorobenzene at levels above the GWQC, but at levels consistent with previous sampling events (Table 6).

### 5.3.2 June 2018 Monitoring Results

Fifth quarter ground water sampling of MW-43 was conducted on June 15, 2018. The sampling results are presented on Table 2 and depicted on Figure 5. The result of the June sampling event is presented below.

Review of the analytical results indicated that monitoring well MW-43 reported one select VOC, 1,2-Dichloroethane, at an estimated level marginally above the NYSDEC-GWQC. The MW-43 levels of 1,2-Dichloroethane has remained marginally above the GWQC consistent with previous sampling events (Table 5).

### 5.3.3 September 2018 Monitoring Results

The annual ground water monitoring event was conducted on September 27, 2018. The September 2018 event within OU-1, included monitoring wells PZ-23, MW-24, MW-31, MW-36, and MW-71 as approved by the NYSDEC in their 2017 PRR approval letter . The analytical results are presented on Table 3 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, reported 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 of the VOCs historically reported in MW-24 (benzene, chlorobenzene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene [TCE], and vinyl chloride) two compounds, benzene and TCE, were reported below the GWQC during the September 2018 sampling event (Table 3). The other four VOCs reported in MW-24 were consistent with levels reported in previous sampling events (Table 7).

b. The PZ-23 results (downgradient east of MW-24; Table 3; 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 September 2017 sampling event. During 2014 through 2018 these three compounds have been the only VOCs reported in MW-31 at overall lower levels (Table 4) with the exception of toluene reported at marginal levels in the April 2017 and March 2018 events. Toluene was reported at a level well below the GWQC during September 2018.

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

e. The upgradient well MW-71 contained benzene and chlorobenzene at levels above the GWQC; however, decreasing since the September 2017 sampling event (Table 6).

### 5.4 OU2 Monitoring Results

The 2018 sampling of the OU2 well MW-54 was performed during June and September 2018. 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 June and September 2018 ground water monitoring event for OU2 are summarized on Tables 2 and 3 and depicted on Figure 6. The analytical data package is included in Appendix B.

The fifth quarter and annual ground water sampling events for MW-54 were conducted on June 15, 2018 and September 27, 2018, respectively. The sampling results are presented on Tables 2 and 3 and depicted on Figure 6.

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, marginally above the NYSDEC-GWQC (Figure 6).

## 6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

Operation and maintenance activities were not conducted during the January 2018 through December 2018 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 2018 monitoring period are summarized below.

- The site wide ground water monitoring program was conducted during March, June, and September 2018.

- This Periodic Review Report was prepared for the period January through December 2018.

### 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 2018 have documented the continued decreasing trend of the low-level VOCs reported in the wells with minor fluctuation in the reported results. The results in two of the six wells, downgradient wells 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 March 2018 sampling event, and three VOCs (benzene, chlorobenzene, and chloroethane) during the September 2018 sampling event. Since the 2012 In-Situ application benzene, chlorobenzene, and chloroethane are the only three compounds reported in MW-31. The toluene reported during March 2018 and April 2017 was the first time toluene was reported above the GWQC since April 2002; however at much lower levels (Table 4). Toluene was not detected above the GWQC during the September 2018 event. The concentration of benzene and chloroethane has decreased compared to the September 2017 monitoring period; however, the levels were elevated during the March 2018 event. The concentration of chlorobenzene has remained relatively consistent with previous sampling events. 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. Benzene has been reported below the GWQC since 2013 with the exception of two events (July 2013 and September 2017; [Table 7]). The trichloroethene concentration has decreased consistently since 2013 and was below the NYSDEC GWQC in both September 2017 and September 2018, 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 7). 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 6) have been limited to benzene and chlorobenzene. These two VOCs are the only compounds detected in MW-71 since the inception of the monitoring program during 2012. The benzene and chlorbenzene levels decreased during 2018 from September 2017; however, levels have fluctuated overtime.. 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 was limited to 1,2-Dichloroethane (0.69 µg/L), which was marginally above the NYSDEC GWQC (Table 5). As previously stated, MW-43 was compromised during site activity between June and September 2018. Evonik and ECM have been in contact with the site owner (MBC Contractors) who has agreed to reinstallation of MW-43 before the next annual sampling event in September 2019, as agreed to by the NYSDEC.

### 7.2 Operable Unit 2

The June and September 2018 sampling events within OU2 indicated that only PCE was reported above the GWQC within MW-54 (Tables 2 and 3; Figure 6). The PCE concentrations reported in MW-54 (7.7 and 7.6 µg/L) were consistent with the previous PCE levels. No other VOCs were reported at concentrations in excess of their respective NYSDEC GWQC.

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

| **Long Term Ground Water Monitoring Program<br>Former Kay Fries Site<br>Evonik Corporation<br>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-43 | Annually, September[a] | 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 |

a – MW-43 compromised, was not sampled during September 2018. Re-installation prior to September 2019 sampling event.

During 2019, collect synoptic water level measurements from the wells within OU1 and OU2 during September to coincide with the annual ground water monitoring program.

Two monitoring wells, MW-40 and MW-61 were approved for abandonment by the NYSDEC. These wells will be abandoned along with the compromised well, MW-43 during 2019.

# TABLES

**Table 1**
**Analytical Summary of Monitoring Results - OU1; March 2018**
**Former Kay Fries Site – Evonik Corporation – Stony Point, New York**
**ECM Project #1192**

| | Operable Unit 1 | | | |
|---|---|---|---|---|
| Sample Identification | MW-31 | MW-36 | MW-71 | GWQC |
| Sample Date | 3/29/2018 | 3/29/2018 | 3/29/2018 | (ug/L) |
| Laboratory Identification | 460-152888-4 | 460-152888-3 | 460-152888-5 | |
| **TCL Volatile Organics** | | | | |
| 1,1-Dichloroethane | ND <1.2 | ND <0.24 | 0.87 J | 5 |
| Acetone | 11 J B | 6.0 B | 1.8 J B | 50 |
| Benzene | ***24*** | ND <0.090 | ***4.2*** | 1 |
| Chlorobenzene | ***140*** | ND <0.24 | ***66*** | 5 |
| Chloroethane | ***920*** | ND <0.37 | 1.3 | 5 |
| Methylene Chloride | 1.9 J | 0.72 J | 1.2 | 5 |
| Toluene | ***6.3*** | ND <0.25 | 0.29 J | 5 |
| Total VOC | 1103.2 | 6.72 | 75.66 | NA |
| Total VOC TICs | 29.0 | 0.0 | 12.0 | 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. |
| B | :Compound was found in the blank and sample. |

**Table 2**
**Analytical Summary of Monitoring Results - OU1 & OU2; June 2018**
**Former Kay Fries Site – Evonik Corporation – Stony Point, New York**
**ECM Project #1192**

| | Operable Unit 1 | Operable Unit 2 | |
|---|---|---|---|
| Sample Identification | MW-43 | MW-54 | GWQC |
| Sample Date | 6/15/2018 | 6/15/2018 | (ug/L) |
| Laboratory Identification | 460-158398-3 | 460-158398-4 | |
| **TCL Volatile Organics** | | | |
| 1,2-Dichloroethane | ***0.69 J*** | ND <0.43 | 0.6 |
| Carbon Disulfide | ND <0.16 | 0.39 J B | 50 |
| Chlorobenzene | 4.2 | ND <0.38 | 5 |
| Tetrachloroethene | ND <0.25 | ***7.7*** | 5 |
| Total VOC | 4.89 | 8.09 | NA |
| Total VOC TICs | 0.0 | 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. |
| B | :Compound was found in the blank and sample. |

**Table 3**
**Analytical Summary of Monitoring Results- OU1 & OU2; September 2018**
**Former Kay Fries Site – Evonik Corporation – Stony Point, New York**
**ECM Project #1192**

| | Operable Unit 1 | | | | | Operable Unit 2 | |
|---|---|---|---|---|---|---|---|
| Sample Identification | **MW-24** | **PZ-23** | **MW-31** | **MW-36** | **MW-71** | **MW-54** | **GWQC** |
| Sample Date | 9/27/2018 | 9/27/2018 | 9/27/2018 | 9/27/2018 | 9/27/2018 | 9/27/2018 | |
| Laboratory Identification | 460-165722-2 | 460-165722-4 | 460-165722-6 | 460-165722-7 | 460-165722-3 | 460-165722-8 | |
| **TCL Volatile Organics** | | | | | | | |
| 1,1,1-Trichloroethane | ND < 0.24 | ND < 0.24 | ND < 0.24 | ND < 0.24 | ND < 0.24 | 0.30 J | 5 |
| 1,1-Dichloroethane | ND < 0.26 | ND < 0.26 | 0.43 J | ND < 0.26 | 2.1 | ND < 0.26 | 5 |
| 1,4-Dioxane | ND < 28 | 52 | ND < 28 | 28 J | ND < 28 | ND < 28 | NA |
| Acetone | ND < 5.0 | ND < 5.0 | ND < 5.0 | 5.8 | ND < 5.0 | ND < 5.0 | 50 |
| Benzene | 1.0 | ND < 0.43 | ***2.4*** | ND < 0.43 | ***3.2*** | ND < 0.43 | 1 |
| Chlorobenzene | ***51*** | 0.46 J | ***170*** | ND < 0.38 | ***64*** | ND < 0.38 | 5 |
| Chloroethane | ND < 0.32 | ND < 0.32 | ***20*** | ND < 0.32 | 0.65 J | ND < 0.32 | 5 |
| cis-1,2-Dichloroethene | 38 | ND < 0.22 | ND < 0.22 | ND < 0.22 | ND < 0.22 | ND < 0.22 | NA |
| Tetrachloroethene | 0.26 | ND < 0.25 | ND < 0.25 | ND < 0.25 | ND < 0.25 | ***7.6*** | 5 |
| Toluene | ND < 0.38 | ND < 0.38 | 0.53 J | ND < 0.38 | ND < 0.38 | ND < 0.38 | 5 |
| trans-1,2-Dichloroethene | ***25*** | ND < 0.24 | ND < 0.24 | ND < 0.24 | ND < 0.24 | ND < 0.24 | 5 |
| Methylene Chloride | ND < 0.32 | ND < 0.32 | ND < 0.32 | ND < 0.32 | ND < 0.32 | ND < 0.32 | 5 |
| Trichloroethene | 4.7 | ND < 0.31 | ND < 0.31 | ND < 0.31 | ND < 0.31 | ND < 0.31 | 5 |
| Vinyl chloride | ***5.5*** | ND < 0.17 | ND < 0.17 | 0.21 J | ND < 0.17 | ND < 0.17 | 2 |
| Total VOC | 125.46 | 52.46 | 193.36 | 34.01 | 69.95 | 7.90 | NA |
| Total VOC TICs | 0.0 | 0.0 | 80.9 | 0.0 | 17.0 | 0.0 | NA |

NOTES:

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

| | |
|---|---|
| GWQC | :Ground Water Quality Criteria; NYSDEC, 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. |
| B | :Compound was found in the blank and sample. |
| * | :LCS or LCSD is outside acceptance limits. |

**Table 4**
**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 | Apr-08 | 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 | 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 | 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** | **27** | 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** | **150** | 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 | **440** | 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 | ND | 5 |
| Vinyl Chloride | ND | **11** | ND | **8.8** | **2.9** | **2.5** | **2.3** | ND | ND | ND | **3.2** | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1 | ND | ND | ND | ND | 2 |

**Table 4 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-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 | Mar-18 | Sep-18 | 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 | ND | 5 |
| 1,1-Dichloroethane | 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 | ND | 0.43 J | 5 |
| Benzene | **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** | **24** | **2.4** | 1 |
| Chlorobenzene | **190** | **200** | **160** | **220** | **210** | **240** | **210** | **230** | 1.5 | ND | **200** | **270** | **200** | **180** | **240** | **250** | **180** | **89** | **230** | **160** | **170** | **180** | **200** | **140** | **170** | 5 |
| Chloroethane | **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** | **920** | **20** | 5 |
| Toluene | 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 | **6.3** | 0.53 J | 5 |
| Vinyl Chloride | 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 | 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 5**
**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 | Jun-18 | 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** | ND | 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** | 4.2 | 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** | **0.69 J** | 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 6**
**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 | Mar-18 | Sep-18 | GWQC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **13** | **19** | **15** | **11** | **12** | **11** | **7.6** | 1 | **13** | **4.3** | **4.3** | **5.3** | **5.3** | **4.2** | **3.2** | 1 |
| Chlorobenzene | **200** | **210** | **180** | **120** | **190** | **160** | **120** | 17 | **160** | **60** | **64** | **69** | **84** | **66** | **64** | 5 |
| Chloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.65 J | 5 |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 2.1 | 5 |

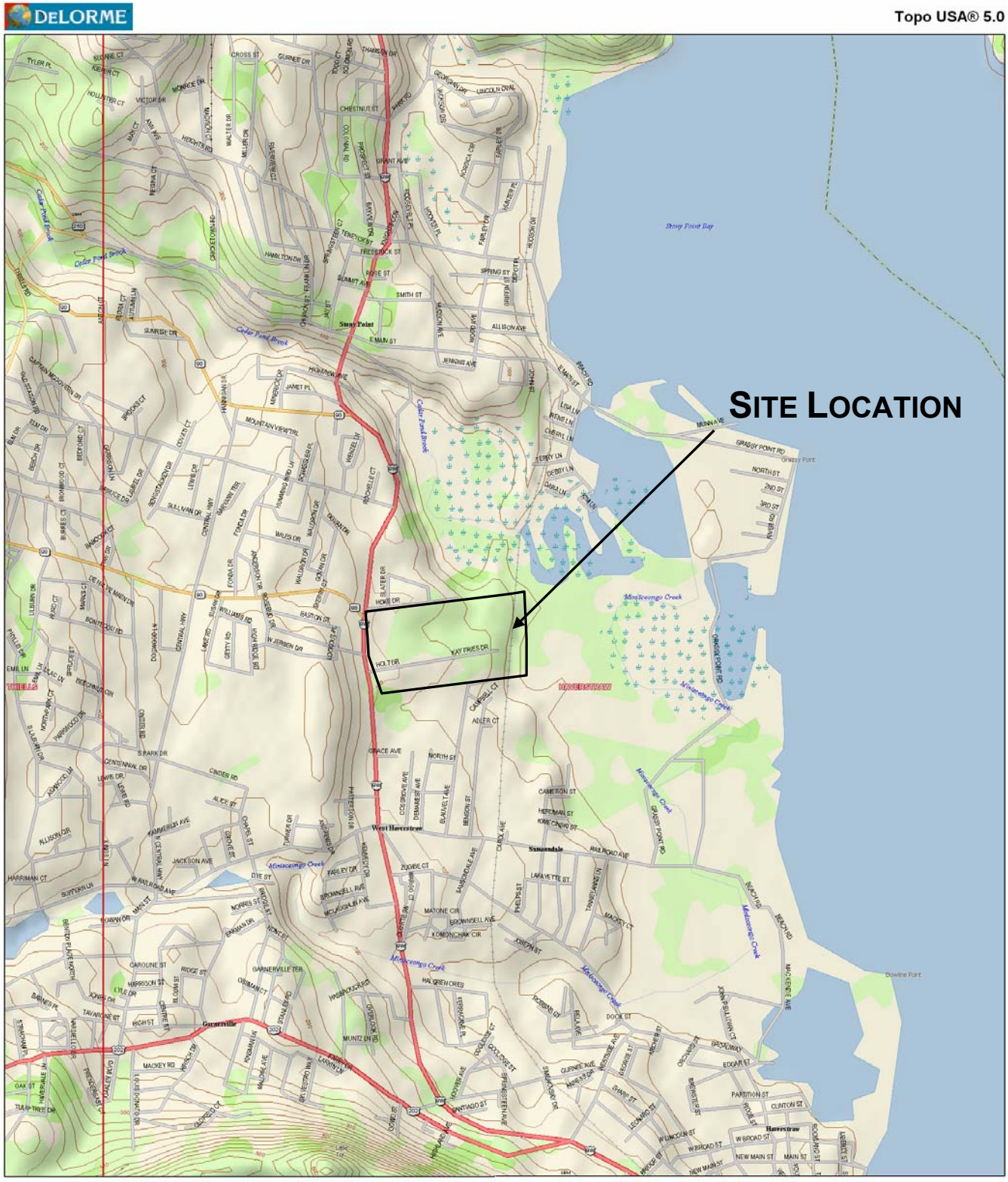
Notes:
GWQC: NYSDEC Ground Water Quality Criteria.
**Bold:** Compound Reported Above GWQC

**Table 7**
**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 | September 2018 | 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** | 1.0 | 1 |
| Chlorobenzene | **43** | **41** | **55** | **46** | **24** | **25** | **21** | **58** | **46** | **150** | **51** | 5 |
| Cis-1,2-dichloroethene | **20** | **31** | **48** | **34** | **38** | **49** | **32** | **47** | **36** | **30** | **38** | 5 |
| Tetrachloroethene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.26 J | 5 |
| Trans-1,2-dichloroethene | **10** | **18** | **29** | **19** | **20** | **30** | **19** | **30** | **25** | **21** | **25** | 5 |
| Trichloroethene (TCE) | **32** | **28** | **29** | **20** | **35** | **27** | **25** | **11** | **7.3** | 0.81 J | 4.7 | 5 |
| Vinyl chloride | **6.7** | **9.3** | **18** | **6.4** | **2.3** | **4.3** | **2.4** | **8** | **5.2** | **26** | **5.5** | 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




**ECM**

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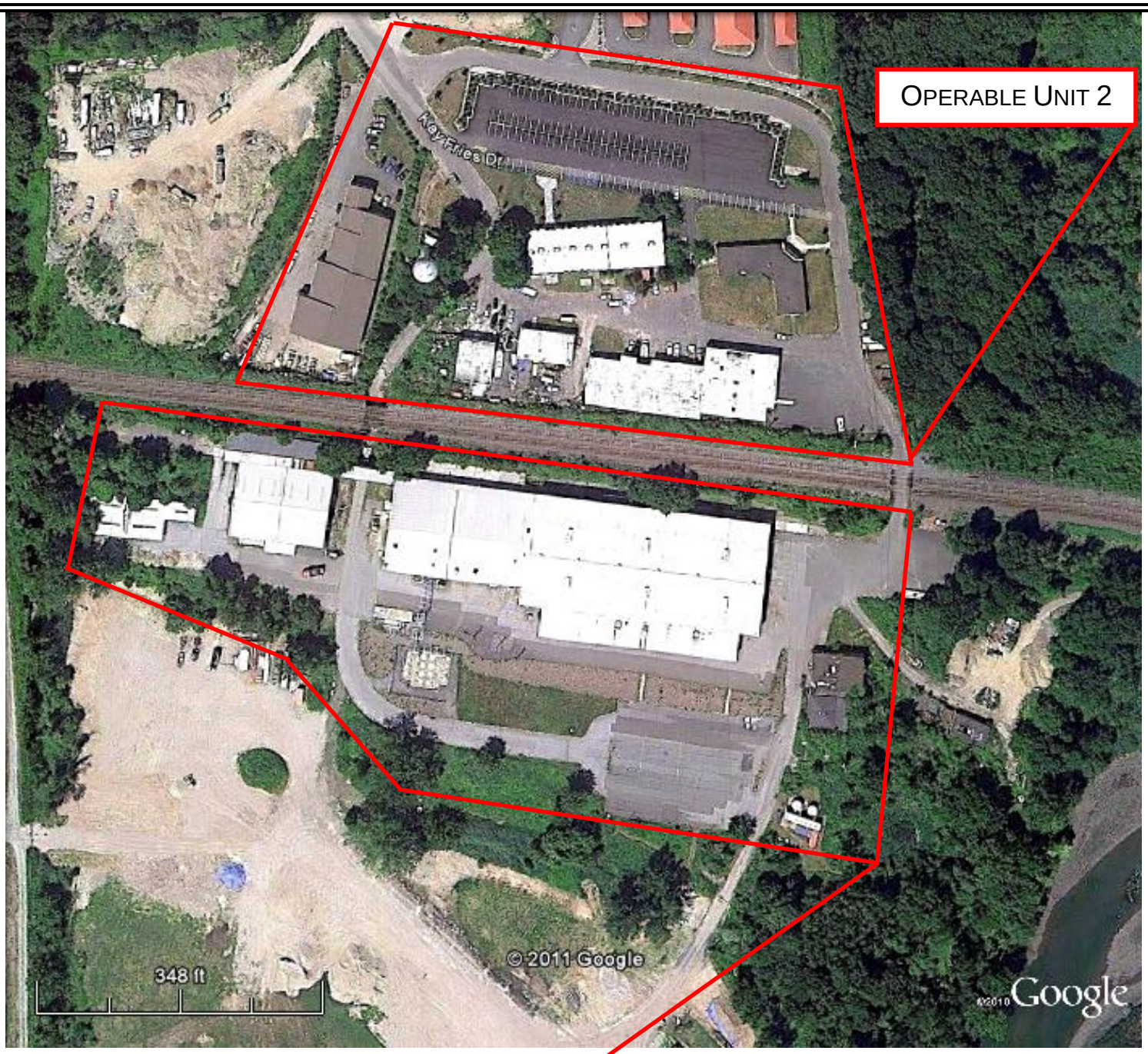
United States Department of the Interior
Geological Survey - 7.5 minute Quadrangle
*Haverstraw,* N.Y

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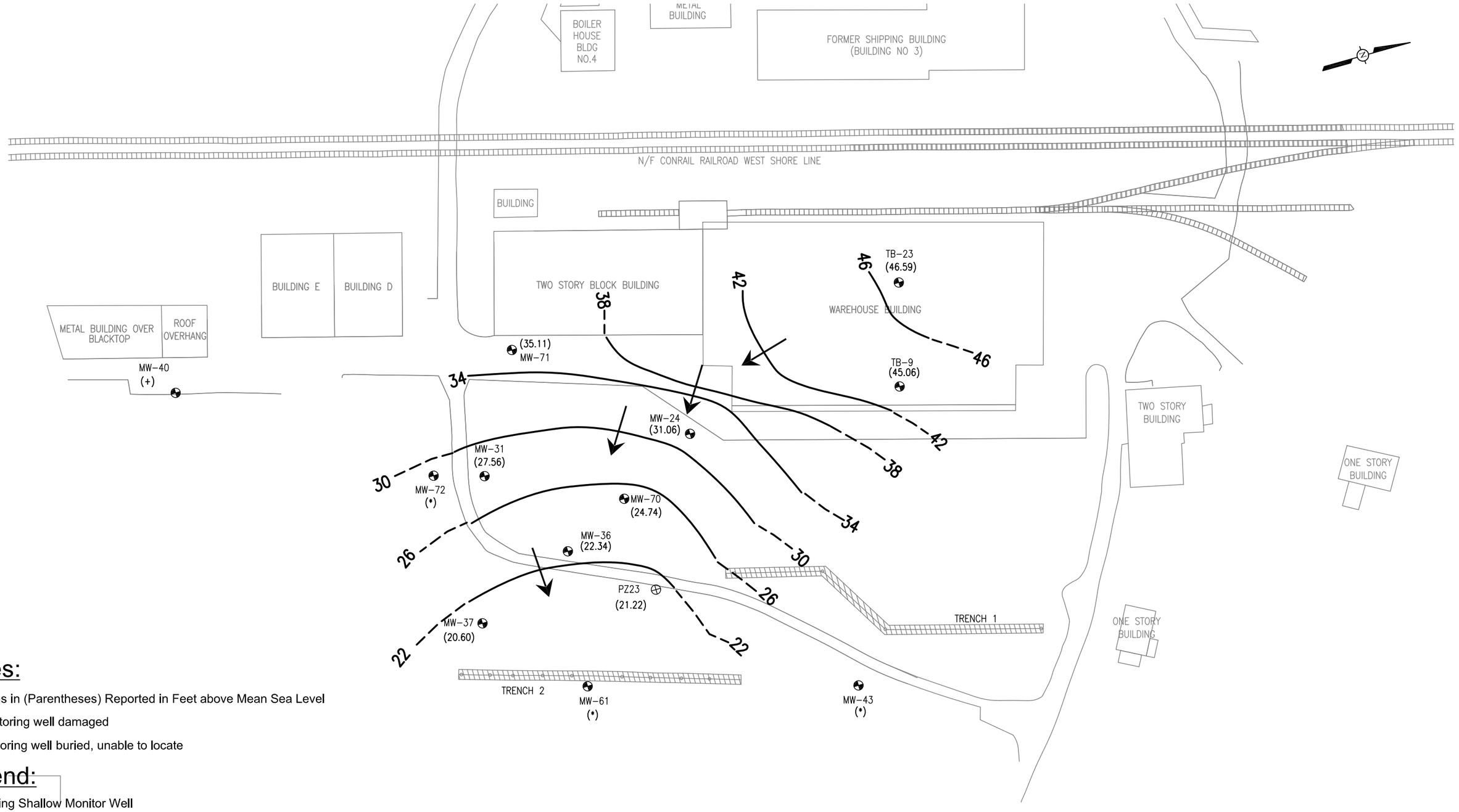
**FIGURE 2**
**OPERABLE UNIT 1 AND 2 LOCATION MAP**
FORMER KAY FRIES SITE
STONY POINT, NEW YORK

| 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

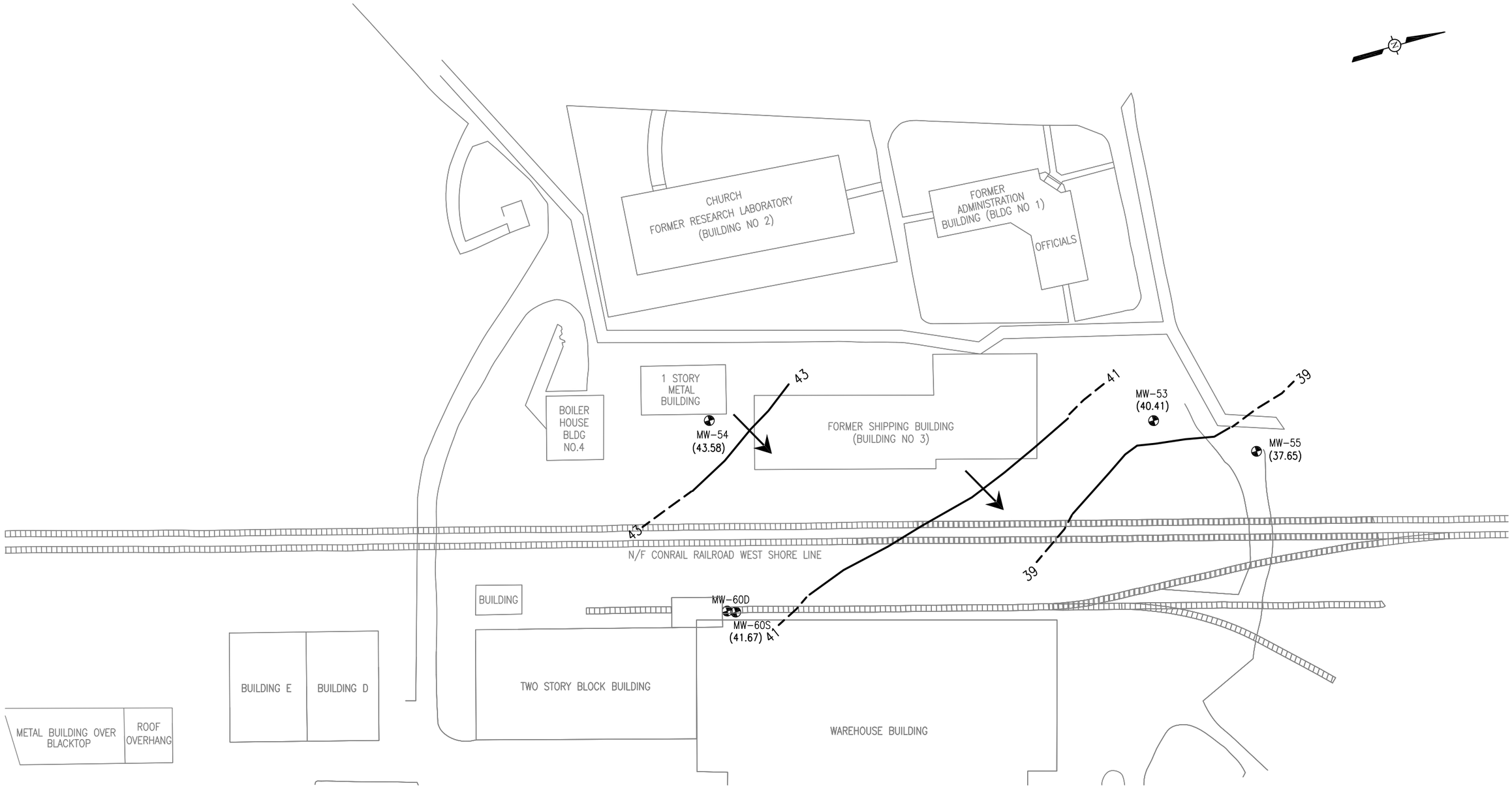
(*) monitoring well buried, unable to locate

## Legend:

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

| SCALE: | CHECKED BY: | | |
|---|---|---|---|
| 1" = 64' | NM | Former Kay Fries Site<br>50 Holt Drive<br>Stony Point, NY | ECM<br>environmental compliance monitoring, inc.<br>349 Route 206, Hillsborough, New Jersey, 08844 908-874-0990 |
| DATE: | PROJECT NO: | | |
| 12/2018 | 1192 | | |

**FIGURE 3**
**OPERABLE UNIT-1**
**GROUND WATER CONTOUR MAP**
**SEPTEMBER 2018**




## Notes:

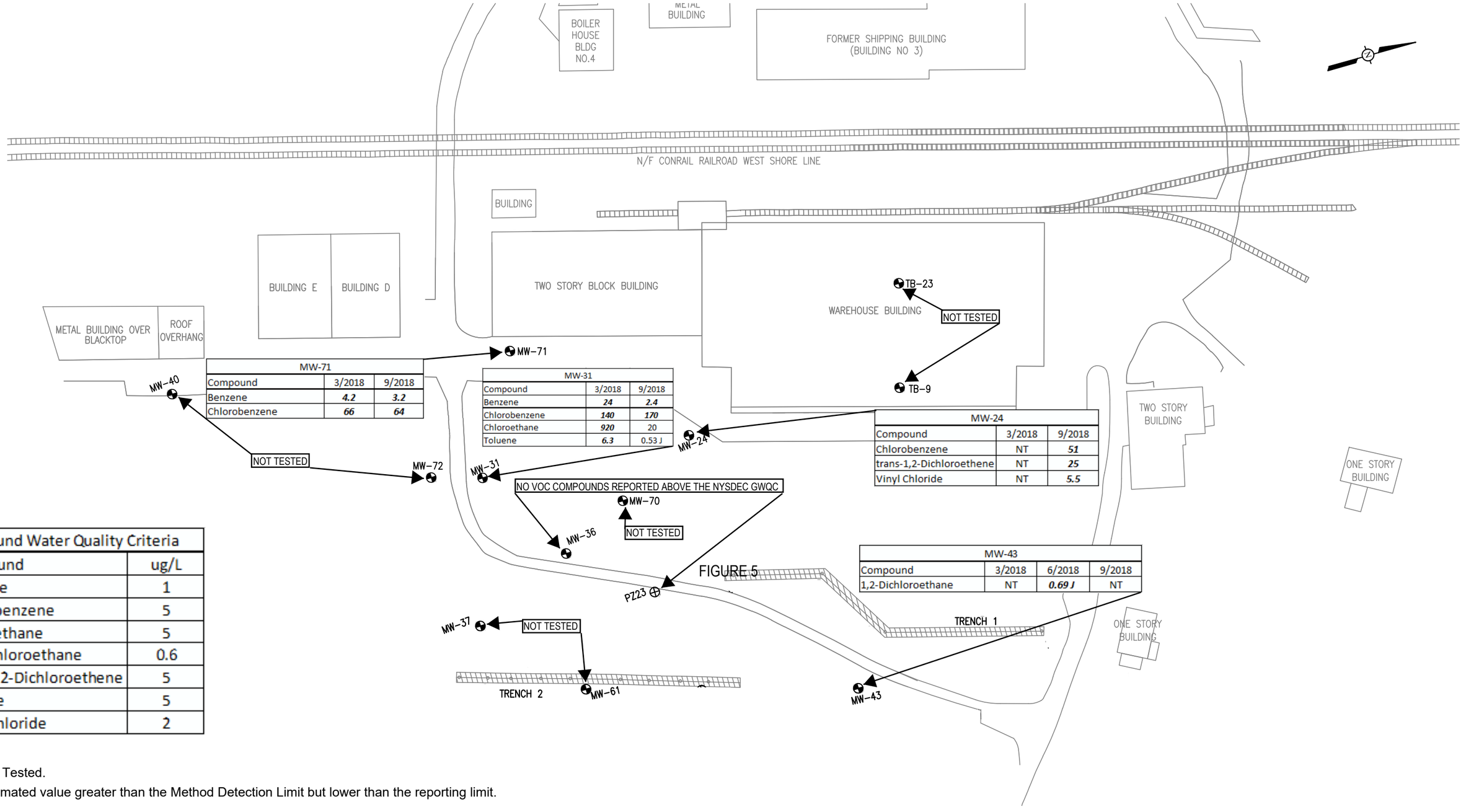
Elevations in (Parentheses) Reported in Feet Above Mean Sea Level

## Legend:

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

| SCALE: | CHECKED BY: | | |
|---|---|---|---|
| 1" = 64' | NM | Former Kay Fries Site<br>50 Holt Drive<br>Stony Point, NY | ECM<br>environmental compliance monitoring, inc.<br>349 Route 206, Hillsborough, New Jersey, 08844 908-874-0990 |
| DATE: | PROJECT NO: | | |
| 12/2018 | 1192 | | |

**FIGURE 4**
**OPERABLE UNIT-2**
**GROUND WATER CONTOUR MAP**
**SEPTEMBER 2018**




| MW-71 | | |
|---|---|---|
| Compound | 3/2018 | 9/2018 |
| Benzene | ***4.2*** | ***3.2*** |
| Chlorobenzene | ***66*** | ***64*** |

| MW-31 | | |
|---|---|---|
| Compound | 3/2018 | 9/2018 |
| Benzene | ***24*** | ***2.4*** |
| Chlorobenzene | ***140*** | ***170*** |
| Chloroethane | ***920*** | 20 |
| Toluene | ***6.3*** | 0.53 J |

| MW-24 | | |
|---|---|---|
| Compound | 3/2018 | 9/2018 |
| Chlorobenzene | NT | ***51*** |
| trans-1,2-Dichloroethene | NT | ***25*** |
| Vinyl Chloride | NT | ***5.5*** |

| MW-43 | | | |
|---|---|---|---|
| Compound | 3/2018 | 6/2018 | 9/2018 |
| 1,2-Dichloroethane | NT | ***0.69 J*** | NT |

FIGURE 5

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

Notes:

NT = Not Tested.

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

## Legend:

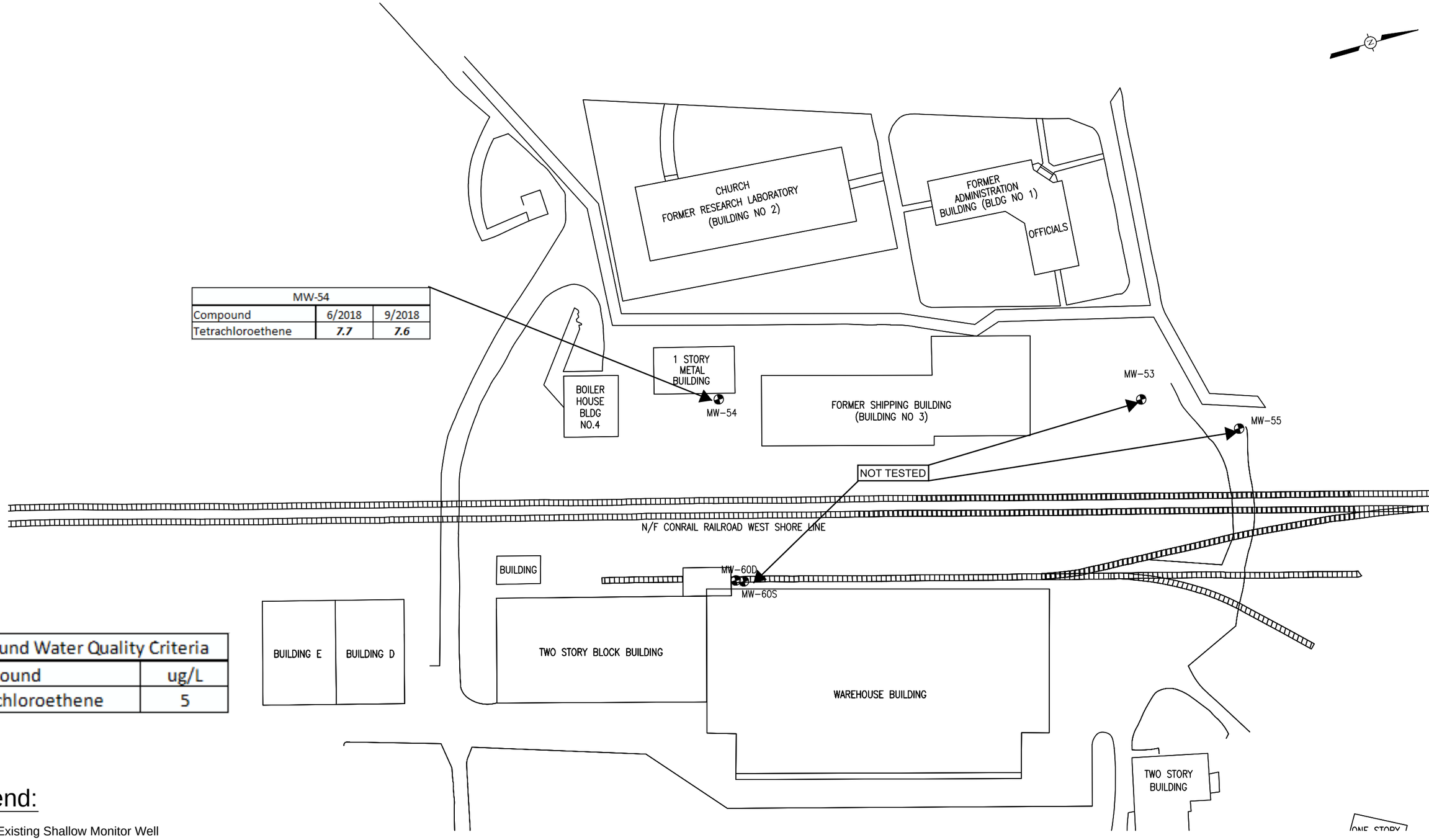
- Existing Shallow Monitor Well
- Existing Piezometer

| | |
|---|---|
| SCALE: | 1" = 64' |
| CHECKED BY: | NM |
| DATE: | 12/2018 |
| PROJECT NO: | 1192 |

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 5
Analytical Results Summary for OU1
March, June, and September 2018




| SCALE: | CHECKED BY: | | |
|---|---|---|---|
| 1" = 64' | NM | Former Kay Fries Site<br>50 Holt Drive<br>Stony Point, NY | ECM<br>environmental compliance monitoring, inc.<br>349 Route 206, Hillsborough, New Jersey, 08844 908-874-0990 |
| DATE: 12/2018 | PROJECT NO: 1192 | | |

FIGURE 6
Analytical Results Summary for OU2
June and September 2018

# 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 27, 2018

| 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 | 3.60 | 21.22 | 10190.24 | 10553.66 |
| PZ-24 | 22.39 | a | a | 10288.38 | 10473.08 |
| TB-9 | 47.27 | 2.21 | 45.06 | 10733.06 | 10416.77 |
| TB-23 | 53.75 | 7.16 | 46.59 | 10751.22 | 10349.58 |
| MW-24 | 44.63 | 13.57 | 31.06 | 10555.56 | 10423.25 |
| MW-31 | 34.13 | 6.57 | 27.56 | 10370.44 | 10411.13 |
| MW-36 | 22.94 | 0.60 | 22.34 | 10423.01 | 10494.34 |
| MW-37 | 21.80 | 1.20 | 20.60 | 10333.40 | 10534.38 |
| MW-40 | 43.13 | + | + | 10131.86 | 10268.20 |
| MW-43 | 24.94 | * | * | 10638.58 | 10675.72 |
| MW-61 | 20.77 | * | * | 10415.92 | 10615.94 |
| MW-70 | 31.11 | 6.37 | 24.74 | 10421.61 | 10322.10 |
| MW-71 | 43.71 | 8.60 | 35.11 | 10421.61 | 10322.10 |
| MW-72 | 37.95 | * | * | 10314.62 | 10395.72 |
| OU-2 | | | | | |
| MW-53 | 53.31 | 12.90 | 40.41 | 11020.53 | 10189.13 |
| MW-54 | 57.21 | 13.63 | 43.58 | 10671.28 | 10090.66 |
| MW-55 | 53.66 | 16.01 | 37.65 | 11101.93 | 10233.91 |
| MW-60S | 50.06 | 8.39 | 41.67 | 10639.42 | 10243.82 |

Notes:

a: Piezometer PZ-24 abandoned during July 2007. To be replaced pending future backfill and construciton activities.

**+**: Well Damaged, Unable to collect a reading.

*: Well Buried, Unable to locate.

# APPENDIX B

# ANALYTICAL DATA PACKAGES – MARCH, JUNE, AND SEPTEMBER 2018

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-152888-1

Job Description: 1192 SAGWM 2018

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

Attention: Mr. Bruce Manganiello



Approved for release.
Grace Chang
Project Manager II
4/6/2018 10:00 AM

Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
04/06/2018

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 SAGWM 2018

## Report Number: 460-152888-1

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

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

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

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

**RECEIPT**

The samples were received on 3/29/2018 11:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1º 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 TB (460-152888-1), FB (460-152888-2), MW-36 (460-152888-3), MW-31 (460-152888-4) and MW-71 (460-152888-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 04/03/2018 and 04/04/2018.

Acetone was detected in method blank MB 460-508038/8 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. Acetone was detected in method blank MB 460-508329/8 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.

Sample MW-31 (460-152888-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-31 (460-152888-4). Elevated reporting limits (RLs) are provided.

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 SAGWM 2018

TestAmerica Job ID: 460-152888-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 460-152888-1 | TB | Water | 03/29/18 00:00 | 03/29/18 11:10 |
| 460-152888-2 | FB | Water | 03/29/18 08:35 | 03/29/18 11:10 |
| 460-152888-3 | MW-36 | Water | 03/29/18 08:40 | 03/29/18 11:10 |
| 460-152888-4 | MW-31 | Water | 03/29/18 09:25 | 03/29/18 11:10 |
| 460-152888-5 | MW-71 | Water | 03/29/18 09:50 | 03/29/18 11:10 |

# Detection Summary

Client: ECM, Inc.
Project/Site: 1192 SAGWM 2018

TestAmerica Job ID: 460-152888-1

## Client Sample ID: TB — Lab Sample ID: 460-152888-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 3.0 | J B | 5.0 | 1.1 | ug/L | 1 | | 624 | Total/NA |
| Methylene Chloride | 0.57 | J | 1.0 | 0.21 | ug/L | 1 | | 624 | Total/NA |

## Client Sample ID: FB — Lab Sample ID: 460-152888-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 3.8 | J B | 5.0 | 1.1 | ug/L | 1 | | 624 | Total/NA |
| Methylene Chloride | 2.2 | | 1.0 | 0.21 | ug/L | 1 | | 624 | Total/NA |

## Client Sample ID: MW-36 — Lab Sample ID: 460-152888-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 6.0 | B | 5.0 | 1.1 | ug/L | 1 | | 624 | Total/NA |
| Methylene Chloride | 0.72 | J | 1.0 | 0.21 | ug/L | 1 | | 624 | Total/NA |

## Client Sample ID: MW-31 — Lab Sample ID: 460-152888-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 11 | J B | 25 | 5.4 | ug/L | 5 | | 624 | Total/NA |
| Benzene | 24 | | 5.0 | 0.45 | ug/L | 5 | | 624 | Total/NA |
| Chlorobenzene | 140 | | 5.0 | 1.2 | ug/L | 5 | | 624 | Total/NA |
| Chloroethane | 920 | | 5.0 | 1.9 | ug/L | 5 | | 624 | Total/NA |
| Methylene Chloride | 1.9 | J | 5.0 | 1.1 | ug/L | 5 | | 624 | Total/NA |
| Toluene | 6.3 | | 5.0 | 1.3 | ug/L | 5 | | 624 | Total/NA |

## Client Sample ID: MW-71 — Lab Sample ID: 460-152888-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.87 | J | 1.0 | 0.24 | ug/L | 1 | | 624 | Total/NA |
| Acetone | 1.8 | J B | 5.0 | 1.1 | ug/L | 1 | | 624 | Total/NA |
| Benzene | 4.2 | | 1.0 | 0.090 | ug/L | 1 | | 624 | Total/NA |
| Chlorobenzene | 66 | | 1.0 | 0.24 | ug/L | 1 | | 624 | Total/NA |
| Chloroethane | 1.3 | | 1.0 | 0.37 | ug/L | 1 | | 624 | Total/NA |
| Methylene Chloride | 1.2 | | 1.0 | 0.21 | ug/L | 1 | | 624 | Total/NA |
| Toluene | 0.29 | 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 SAGWM 2018

TestAmerica Job ID: 460-152888-1

| 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: TB

**Date Collected: 03/29/18 00:00**
**Date Received: 03/29/18 11:10**

## Lab Sample ID: 460-152888-1

**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 | | | 04/03/18 23:14 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/03/18 23:14 | 1 |
| 1,1,2-Trichloroethane | 0.080 | U | 1.0 | 0.080 | ug/L | | | 04/03/18 23:14 | 1 |
| 1,1-Dichloroethane | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/03/18 23:14 | 1 |
| 1,1-Dichloroethene | 0.34 | U | 1.0 | 0.34 | ug/L | | | 04/03/18 23:14 | 1 |
| 1,2-Dichloroethane | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/03/18 23:14 | 1 |
| 1,2-Dichloropropane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:14 | 1 |
| 1,4-Dioxane | 8.7 | U | 50 | 8.7 | ug/L | | | 04/03/18 23:14 | 1 |
| 2-Butanone | 2.2 | U | 5.0 | 2.2 | ug/L | | | 04/03/18 23:14 | 1 |
| 2-Hexanone | 0.72 | U | 5.0 | 0.72 | ug/L | | | 04/03/18 23:14 | 1 |
| 4-Methyl-2-pentanone | 0.63 | U | 5.0 | 0.63 | ug/L | | | 04/03/18 23:14 | 1 |
| **Acetone** | **3.0** | **J B** | 5.0 | 1.1 | ug/L | | | 04/03/18 23:14 | 1 |
| Benzene | 0.090 | U | 1.0 | 0.090 | ug/L | | | 04/03/18 23:14 | 1 |
| Bromodichloromethane | 0.15 | U | 1.0 | 0.15 | ug/L | | | 04/03/18 23:14 | 1 |
| Bromoform | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:14 | 1 |
| Bromomethane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:14 | 1 |
| Carbon disulfide | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:14 | 1 |
| Carbon tetrachloride | 0.33 | U | 1.0 | 0.33 | ug/L | | | 04/03/18 23:14 | 1 |
| Chlorobenzene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/03/18 23:14 | 1 |
| Chloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 04/03/18 23:14 | 1 |
| Chloroform | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:14 | 1 |
| Chloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:14 | 1 |
| cis-1,2-Dichloroethene | 0.26 | U | 1.0 | 0.26 | ug/L | | | 04/03/18 23:14 | 1 |
| cis-1,3-Dichloropropene | 0.16 | U | 1.0 | 0.16 | ug/L | | | 04/03/18 23:14 | 1 |
| Dibromochloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:14 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 04/03/18 23:14 | 1 |
| **Methylene Chloride** | **0.57** | **J** | 1.0 | 0.21 | ug/L | | | 04/03/18 23:14 | 1 |
| Styrene | 0.17 | U | 1.0 | 0.17 | ug/L | | | 04/03/18 23:14 | 1 |
| Tetrachloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 04/03/18 23:14 | 1 |
| Toluene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/03/18 23:14 | 1 |
| trans-1,2-Dichloroethene | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:14 | 1 |
| trans-1,3-Dichloropropene | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/03/18 23:14 | 1 |
| Trichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:14 | 1 |
| Vinyl chloride | 0.060 | U | 1.0 | 0.060 | ug/L | | | 04/03/18 23:14 | 1 |
| Xylenes, Total | 0.28 | U | 2.0 | 0.28 | ug/L | | | 04/03/18 23:14 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *04/03/18 23:14* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *115* | | *48 - 130* | | *04/03/18 23:14* | *1* |
| *Bromofluorobenzene* | *106* | | *71 - 131* | | *04/03/18 23:14* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *04/03/18 23:14* | *1* |
| *Dibromofluoromethane (Surr)* | *115* | | *80 - 120* | | *04/03/18 23:14* | *1* |

## Client Sample ID: FB

**Date Collected: 03/29/18 08:35**
**Date Received: 03/29/18 11:10**

## Lab Sample ID: 460-152888-2

**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 | | | 04/03/18 23:40 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/03/18 23:40 | 1 |
| 1,1,2-Trichloroethane | 0.080 | U | 1.0 | 0.080 | ug/L | | | 04/03/18 23:40 | 1 |
| 1,1-Dichloroethane | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/03/18 23:40 | 1 |
| 1,1-Dichloroethene | 0.34 | U | 1.0 | 0.34 | ug/L | | | 04/03/18 23:40 | 1 |
| 1,2-Dichloroethane | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/03/18 23:40 | 1 |
| 1,2-Dichloropropane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:40 | 1 |
| 1,4-Dioxane | 8.7 | U | 50 | 8.7 | ug/L | | | 04/03/18 23:40 | 1 |
| 2-Butanone | 2.2 | U | 5.0 | 2.2 | ug/L | | | 04/03/18 23:40 | 1 |
| 2-Hexanone | 0.72 | U | 5.0 | 0.72 | ug/L | | | 04/03/18 23:40 | 1 |
| 4-Methyl-2-pentanone | 0.63 | U | 5.0 | 0.63 | ug/L | | | 04/03/18 23:40 | 1 |
| **Acetone** | **3.8** | **J B** | 5.0 | 1.1 | ug/L | | | 04/03/18 23:40 | 1 |
| Benzene | 0.090 | U | 1.0 | 0.090 | ug/L | | | 04/03/18 23:40 | 1 |
| Bromodichloromethane | 0.15 | U | 1.0 | 0.15 | ug/L | | | 04/03/18 23:40 | 1 |
| Bromoform | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:40 | 1 |
| Bromomethane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:40 | 1 |
| Carbon disulfide | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:40 | 1 |
| Carbon tetrachloride | 0.33 | U | 1.0 | 0.33 | ug/L | | | 04/03/18 23:40 | 1 |
| Chlorobenzene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/03/18 23:40 | 1 |
| Chloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 04/03/18 23:40 | 1 |
| Chloroform | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:40 | 1 |
| Chloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:40 | 1 |
| cis-1,2-Dichloroethene | 0.26 | U | 1.0 | 0.26 | ug/L | | | 04/03/18 23:40 | 1 |
| cis-1,3-Dichloropropene | 0.16 | U | 1.0 | 0.16 | ug/L | | | 04/03/18 23:40 | 1 |
| Dibromochloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:40 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 04/03/18 23:40 | 1 |
| **Methylene Chloride** | **2.2** | | 1.0 | 0.21 | ug/L | | | 04/03/18 23:40 | 1 |
| Styrene | 0.17 | U | 1.0 | 0.17 | ug/L | | | 04/03/18 23:40 | 1 |
| Tetrachloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 04/03/18 23:40 | 1 |
| Toluene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/03/18 23:40 | 1 |
| trans-1,2-Dichloroethene | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 23:40 | 1 |
| trans-1,3-Dichloropropene | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/03/18 23:40 | 1 |
| Trichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 23:40 | 1 |
| Vinyl chloride | 0.060 | U | 1.0 | 0.060 | ug/L | | | 04/03/18 23:40 | 1 |
| Xylenes, Total | 0.28 | U | 2.0 | 0.28 | ug/L | | | 04/03/18 23:40 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *04/03/18 23:40* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *114* | | *48 - 130* | | *04/03/18 23:40* | *1* |
| *Bromofluorobenzene* | *107* | | *71 - 131* | | *04/03/18 23:40* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* | | *04/03/18 23:40* | *1* |
| *Dibromofluoromethane (Surr)* | *116* | | *80 - 120* | | *04/03/18 23:40* | *1* |

## Client Sample ID: MW-36

**Date Collected: 03/29/18 08:40**
**Date Received: 03/29/18 11:10**

## Lab Sample ID: 460-152888-3

**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 | | | 04/04/18 05:53 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/04/18 05:53 | 1 |
| 1,1,2-Trichloroethane | 0.080 | U | 1.0 | 0.080 | ug/L | | | 04/04/18 05:53 | 1 |
| 1,1-Dichloroethane | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/04/18 05:53 | 1 |
| 1,1-Dichloroethene | 0.34 | U | 1.0 | 0.34 | ug/L | | | 04/04/18 05:53 | 1 |
| 1,2-Dichloroethane | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/04/18 05:53 | 1 |
| 1,2-Dichloropropane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 05:53 | 1 |
| 1,4-Dioxane | 8.7 | U | 50 | 8.7 | ug/L | | | 04/04/18 05:53 | 1 |
| 2-Butanone | 2.2 | U | 5.0 | 2.2 | ug/L | | | 04/04/18 05:53 | 1 |
| 2-Hexanone | 0.72 | U | 5.0 | 0.72 | ug/L | | | 04/04/18 05:53 | 1 |
| 4-Methyl-2-pentanone | 0.63 | U | 5.0 | 0.63 | ug/L | | | 04/04/18 05:53 | 1 |
| **Acetone** | **6.0** | **B** | 5.0 | 1.1 | ug/L | | | 04/04/18 05:53 | 1 |
| Benzene | 0.090 | U | 1.0 | 0.090 | ug/L | | | 04/04/18 05:53 | 1 |
| Bromodichloromethane | 0.15 | U | 1.0 | 0.15 | ug/L | | | 04/04/18 05:53 | 1 |
| Bromoform | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 05:53 | 1 |
| Bromomethane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 05:53 | 1 |
| Carbon disulfide | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 05:53 | 1 |
| Carbon tetrachloride | 0.33 | U | 1.0 | 0.33 | ug/L | | | 04/04/18 05:53 | 1 |
| Chlorobenzene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/04/18 05:53 | 1 |
| Chloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 04/04/18 05:53 | 1 |
| Chloroform | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 05:53 | 1 |
| Chloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 05:53 | 1 |
| cis-1,2-Dichloroethene | 0.26 | U | 1.0 | 0.26 | ug/L | | | 04/04/18 05:53 | 1 |
| cis-1,3-Dichloropropene | 0.16 | U | 1.0 | 0.16 | ug/L | | | 04/04/18 05:53 | 1 |
| Dibromochloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 05:53 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 04/04/18 05:53 | 1 |
| **Methylene Chloride** | **0.72** | **J** | 1.0 | 0.21 | ug/L | | | 04/04/18 05:53 | 1 |
| Styrene | 0.17 | U | 1.0 | 0.17 | ug/L | | | 04/04/18 05:53 | 1 |
| Tetrachloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 04/04/18 05:53 | 1 |
| Toluene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/04/18 05:53 | 1 |
| trans-1,2-Dichloroethene | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 05:53 | 1 |
| trans-1,3-Dichloropropene | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/04/18 05:53 | 1 |
| Trichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 05:53 | 1 |
| Vinyl chloride | 0.060 | U | 1.0 | 0.060 | ug/L | | | 04/04/18 05:53 | 1 |
| Xylenes, Total | 0.28 | U | 2.0 | 0.28 | ug/L | | | 04/04/18 05:53 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *04/04/18 05:53* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *113* | | *48 - 130* | | *04/04/18 05:53* | *1* |
| *Bromofluorobenzene* | *106* | | *71 - 131* | | *04/04/18 05:53* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *04/04/18 05:53* | *1* |
| *Dibromofluoromethane (Surr)* | *115* | | *80 - 120* | | *04/04/18 05:53* | *1* |

## Client Sample ID: MW-31

**Date Collected: 03/29/18 09:25**
**Date Received: 03/29/18 11:10**

## Lab Sample ID: 460-152888-4

**Matrix: Water**

### Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1.4 | U | 5.0 | 1.4 | ug/L | | | 04/04/18 14:48 | 5 |
| 1,1,2,2-Tetrachloroethane | 0.95 | U | 5.0 | 0.95 | ug/L | | | 04/04/18 14:48 | 5 |
| 1,1,2-Trichloroethane | 0.40 | U | 5.0 | 0.40 | ug/L | | | 04/04/18 14:48 | 5 |
| 1,1-Dichloroethane | 1.2 | U | 5.0 | 1.2 | ug/L | | | 04/04/18 14:48 | 5 |
| 1,1-Dichloroethene | 1.7 | U | 5.0 | 1.7 | ug/L | | | 04/04/18 14:48 | 5 |
| 1,2-Dichloroethane | 1.3 | U | 5.0 | 1.3 | ug/L | | | 04/04/18 14:48 | 5 |
| 1,2-Dichloropropane | 0.90 | U | 5.0 | 0.90 | ug/L | | | 04/04/18 14:48 | 5 |
| 1,4-Dioxane | 44 | U | 250 | 44 | ug/L | | | 04/04/18 14:48 | 5 |
| 2-Butanone | 11 | U | 25 | 11 | ug/L | | | 04/04/18 14:48 | 5 |
| 2-Hexanone | 3.6 | U | 25 | 3.6 | ug/L | | | 04/04/18 14:48 | 5 |
| 4-Methyl-2-pentanone | 3.2 | U | 25 | 3.2 | ug/L | | | 04/04/18 14:48 | 5 |
| **Acetone** | **11** | **J B** | 25 | 5.4 | ug/L | | | 04/04/18 14:48 | 5 |
| **Benzene** | **24** | | 5.0 | 0.45 | ug/L | | | 04/04/18 14:48 | 5 |
| Bromodichloromethane | 0.75 | U | 5.0 | 0.75 | ug/L | | | 04/04/18 14:48 | 5 |
| Bromoform | 0.90 | U | 5.0 | 0.90 | ug/L | | | 04/04/18 14:48 | 5 |
| Bromomethane | 0.90 | U | 5.0 | 0.90 | ug/L | | | 04/04/18 14:48 | 5 |
| Carbon disulfide | 1.1 | U | 5.0 | 1.1 | ug/L | | | 04/04/18 14:48 | 5 |
| Carbon tetrachloride | 1.7 | U | 5.0 | 1.7 | ug/L | | | 04/04/18 14:48 | 5 |
| **Chlorobenzene** | **140** | | 5.0 | 1.2 | ug/L | | | 04/04/18 14:48 | 5 |
| **Chloroethane** | **920** | | 5.0 | 1.9 | ug/L | | | 04/04/18 14:48 | 5 |
| Chloroform | 1.1 | U | 5.0 | 1.1 | ug/L | | | 04/04/18 14:48 | 5 |
| Chloromethane | 1.1 | U | 5.0 | 1.1 | ug/L | | | 04/04/18 14:48 | 5 |
| cis-1,2-Dichloroethene | 1.3 | U | 5.0 | 1.3 | ug/L | | | 04/04/18 14:48 | 5 |
| cis-1,3-Dichloropropene | 0.80 | U | 5.0 | 0.80 | ug/L | | | 04/04/18 14:48 | 5 |
| Dibromochloromethane | 1.1 | U | 5.0 | 1.1 | ug/L | | | 04/04/18 14:48 | 5 |
| Ethylbenzene | 1.5 | U | 5.0 | 1.5 | ug/L | | | 04/04/18 14:48 | 5 |
| **Methylene Chloride** | **1.9** | **J** | 5.0 | 1.1 | ug/L | | | 04/04/18 14:48 | 5 |
| Styrene | 0.85 | U | 5.0 | 0.85 | ug/L | | | 04/04/18 14:48 | 5 |
| Tetrachloroethene | 0.60 | U | 5.0 | 0.60 | ug/L | | | 04/04/18 14:48 | 5 |
| **Toluene** | **6.3** | | 5.0 | 1.3 | ug/L | | | 04/04/18 14:48 | 5 |
| trans-1,2-Dichloroethene | 0.90 | U | 5.0 | 0.90 | ug/L | | | 04/04/18 14:48 | 5 |
| trans-1,3-Dichloropropene | 0.95 | U | 5.0 | 0.95 | ug/L | | | 04/04/18 14:48 | 5 |
| Trichloroethene | 1.1 | U | 5.0 | 1.1 | ug/L | | | 04/04/18 14:48 | 5 |
| Vinyl chloride | 0.30 | U | 5.0 | 0.30 | ug/L | | | 04/04/18 14:48 | 5 |
| Xylenes, Total | 1.4 | U | 10 | 1.4 | ug/L | | | 04/04/18 14:48 | 5 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Ethyl ether* | *29* | *J N* | *ug/L* | | *1.61* | *60-29-7* | | *04/04/18 14:48* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *113* | | *48 - 130* | | *04/04/18 14:48* | *5* |
| *Bromofluorobenzene* | *106* | | *71 - 131* | | *04/04/18 14:48* | *5* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *04/04/18 14:48* | *5* |
| *Dibromofluoromethane (Surr)* | *114* | | *80 - 120* | | *04/04/18 14:48* | *5* |

## Client Sample ID: MW-71

**Date Collected: 03/29/18 09:50**
**Date Received: 03/29/18 11:10**

## Lab Sample ID: 460-152888-5

**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 | | | 04/04/18 14:22 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/04/18 14:22 | 1 |
| 1,1,2-Trichloroethane | 0.080 | U | 1.0 | 0.080 | ug/L | | | 04/04/18 14:22 | 1 |
| **1,1-Dichloroethane** | **0.87** | **J** | 1.0 | 0.24 | ug/L | | | 04/04/18 14:22 | 1 |
| 1,1-Dichloroethene | 0.34 | U | 1.0 | 0.34 | ug/L | | | 04/04/18 14:22 | 1 |
| 1,2-Dichloroethane | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/04/18 14:22 | 1 |
| 1,2-Dichloropropane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 14:22 | 1 |
| 1,4-Dioxane | 8.7 | U | 50 | 8.7 | ug/L | | | 04/04/18 14:22 | 1 |
| 2-Butanone | 2.2 | U | 5.0 | 2.2 | ug/L | | | 04/04/18 14:22 | 1 |
| 2-Hexanone | 0.72 | U | 5.0 | 0.72 | ug/L | | | 04/04/18 14:22 | 1 |
| 4-Methyl-2-pentanone | 0.63 | U | 5.0 | 0.63 | ug/L | | | 04/04/18 14:22 | 1 |
| **Acetone** | **1.8** | **J B** | 5.0 | 1.1 | ug/L | | | 04/04/18 14:22 | 1 |
| **Benzene** | **4.2** | | 1.0 | 0.090 | ug/L | | | 04/04/18 14:22 | 1 |
| Bromodichloromethane | 0.15 | U | 1.0 | 0.15 | ug/L | | | 04/04/18 14:22 | 1 |
| Bromoform | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 14:22 | 1 |
| Bromomethane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 14:22 | 1 |
| Carbon disulfide | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 14:22 | 1 |
| Carbon tetrachloride | 0.33 | U | 1.0 | 0.33 | ug/L | | | 04/04/18 14:22 | 1 |
| **Chlorobenzene** | **66** | | 1.0 | 0.24 | ug/L | | | 04/04/18 14:22 | 1 |
| **Chloroethane** | **1.3** | | 1.0 | 0.37 | ug/L | | | 04/04/18 14:22 | 1 |
| Chloroform | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 14:22 | 1 |
| Chloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 14:22 | 1 |
| cis-1,2-Dichloroethene | 0.26 | U | 1.0 | 0.26 | ug/L | | | 04/04/18 14:22 | 1 |
| cis-1,3-Dichloropropene | 0.16 | U | 1.0 | 0.16 | ug/L | | | 04/04/18 14:22 | 1 |
| Dibromochloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 14:22 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 04/04/18 14:22 | 1 |
| **Methylene Chloride** | **1.2** | | 1.0 | 0.21 | ug/L | | | 04/04/18 14:22 | 1 |
| Styrene | 0.17 | U | 1.0 | 0.17 | ug/L | | | 04/04/18 14:22 | 1 |
| Tetrachloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 04/04/18 14:22 | 1 |
| **Toluene** | **0.29** | **J** | 1.0 | 0.25 | ug/L | | | 04/04/18 14:22 | 1 |
| trans-1,2-Dichloroethene | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 14:22 | 1 |
| trans-1,3-Dichloropropene | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/04/18 14:22 | 1 |
| Trichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 14:22 | 1 |
| Vinyl chloride | 0.060 | U | 1.0 | 0.060 | ug/L | | | 04/04/18 14:22 | 1 |
| Xylenes, Total | 0.28 | U | 2.0 | 0.28 | ug/L | | | 04/04/18 14:22 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Ethyl ether* | *12* | *J N* | *ug/L* | | *1.61* | *60-29-7* | | *04/04/18 14:22* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *109* | | *48 - 130* | | *04/04/18 14:22* | *1* |
| *Bromofluorobenzene* | *108* | | *71 - 131* | | *04/04/18 14:22* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* | | *04/04/18 14:22* | *1* |
| *Dibromofluoromethane (Surr)* | *114* | | *80 - 120* | | *04/04/18 14:22* | *1* |

# Surrogate Summary

Client: ECM, Inc.
Project/Site: 1192 SAGWM 2018

TestAmerica Job ID: 460-152888-1

## Method: 624 - Volatile Organic Compounds (GC/MS)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | DCA | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (48-130) | (71-131) | (80-120) | (80-120) |
| 460-152888-1 | TB | 115 | 106 | 97 | 115 |
| 460-152888-2 | FB | 114 | 107 | 98 | 116 |
| 460-152888-3 | MW-36 | 113 | 106 | 96 | 115 |
| 460-152888-4 | MW-31 | 113 | 106 | 96 | 114 |
| 460-152888-5 | MW-71 | 109 | 108 | 98 | 114 |
| LCS 460-508038/4 | Lab Control Sample | 105 | 109 | 97 | 111 |
| LCS 460-508329/4 | Lab Control Sample | 107 | 112 | 98 | 112 |
| LCSD 460-508038/5 | Lab Control Sample Dup | 105 | 111 | 98 | 111 |
| LCSD 460-508329/5 | Lab Control Sample Dup | 106 | 111 | 98 | 111 |
| MB 460-508038/8 | Method Blank | 106 | 106 | 97 | 111 |
| MB 460-508329/8 | Method Blank | 108 | 107 | 98 | 110 |

**Surrogate Legend**

DCA = 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 460-508038/8**
**Matrix: Water**
**Analysis Batch: 508038**

**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 | | | 04/03/18 13:18 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/03/18 13:18 | 1 |
| 1,1,2-Trichloroethane | 0.080 | U | 1.0 | 0.080 | ug/L | | | 04/03/18 13:18 | 1 |
| 1,1-Dichloroethane | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/03/18 13:18 | 1 |
| 1,1-Dichloroethene | 0.34 | U | 1.0 | 0.34 | ug/L | | | 04/03/18 13:18 | 1 |
| 1,2-Dichloroethane | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/03/18 13:18 | 1 |
| 1,2-Dichloropropane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 13:18 | 1 |
| 1,4-Dioxane | 8.7 | U | 50 | 8.7 | ug/L | | | 04/03/18 13:18 | 1 |
| 2-Butanone | 2.2 | U | 5.0 | 2.2 | ug/L | | | 04/03/18 13:18 | 1 |
| 2-Hexanone | 0.72 | U | 5.0 | 0.72 | ug/L | | | 04/03/18 13:18 | 1 |
| 4-Methyl-2-pentanone | 0.63 | U | 5.0 | 0.63 | ug/L | | | 04/03/18 13:18 | 1 |
| Acetone | 1.49 | J | 5.0 | 1.1 | ug/L | | | 04/03/18 13:18 | 1 |
| Benzene | 0.090 | U | 1.0 | 0.090 | ug/L | | | 04/03/18 13:18 | 1 |
| Bromodichloromethane | 0.15 | U | 1.0 | 0.15 | ug/L | | | 04/03/18 13:18 | 1 |
| Bromoform | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 13:18 | 1 |
| Bromomethane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 13:18 | 1 |
| Carbon disulfide | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 13:18 | 1 |
| Carbon tetrachloride | 0.33 | U | 1.0 | 0.33 | ug/L | | | 04/03/18 13:18 | 1 |
| Chlorobenzene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/03/18 13:18 | 1 |
| Chloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 04/03/18 13:18 | 1 |
| Chloroform | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 13:18 | 1 |
| Chloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 13:18 | 1 |
| cis-1,2-Dichloroethene | 0.26 | U | 1.0 | 0.26 | ug/L | | | 04/03/18 13:18 | 1 |
| cis-1,3-Dichloropropene | 0.16 | U | 1.0 | 0.16 | ug/L | | | 04/03/18 13:18 | 1 |
| Dibromochloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 13:18 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 04/03/18 13:18 | 1 |
| Methylene Chloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 04/03/18 13:18 | 1 |
| Styrene | 0.17 | U | 1.0 | 0.17 | ug/L | | | 04/03/18 13:18 | 1 |
| Tetrachloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 04/03/18 13:18 | 1 |
| Toluene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/03/18 13:18 | 1 |
| trans-1,2-Dichloroethene | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/03/18 13:18 | 1 |
| trans-1,3-Dichloropropene | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/03/18 13:18 | 1 |
| Trichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/03/18 13:18 | 1 |
| Vinyl chloride | 0.060 | U | 1.0 | 0.060 | ug/L | | | 04/03/18 13:18 | 1 |
| Xylenes, Total | 0.28 | U | 2.0 | 0.28 | ug/L | | | 04/03/18 13:18 | 1 |

| *Tentatively Identified Compound* | *MB Est. Result* | *MB Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *04/03/18 13:18* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *106* | | *48 - 130* | | *04/03/18 13:18* | *1* |
| *Bromofluorobenzene* | *106* | | *71 - 131* | | *04/03/18 13:18* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *04/03/18 13:18* | *1* |
| *Dibromofluoromethane (Surr)* | *111* | | *80 - 120* | | *04/03/18 13:18* | *1* |

## Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 460-508038/4**
**Matrix: Water**
**Analysis Batch: 508038**

**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 | 20.8 | | ug/L | | 104 | 52 - 162 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.6 | | ug/L | | 88 | 46 - 147 |
| 1,1,2-Trichloroethane | 20.0 | 18.2 | | ug/L | | 91 | 52 - 150 |
| 1,1-Dichloroethane | 20.0 | 19.1 | | ug/L | | 95 | 59 - 155 |
| 1,1-Dichloroethene | 20.0 | 18.7 | | ug/L | | 93 | 0 - 234 |
| 1,2-Dichloroethane | 20.0 | 20.0 | | ug/L | | 100 | 49 - 155 |
| 1,2-Dichloropropane | 20.0 | 19.4 | | ug/L | | 97 | 0 - 210 |
| 1,4-Dioxane | 400 | 393 | | ug/L | | 98 | 71 - 150 |
| 2-Butanone | 100 | 105 | | ug/L | | 105 | 57 - 144 |
| 2-Hexanone | 100 | 113 | | ug/L | | 113 | 60 - 137 |
| 4-Methyl-2-pentanone | 100 | 112 | | ug/L | | 112 | 73 - 124 |
| Acetone | 100 | 80.5 | | ug/L | | 80 | 48 - 143 |
| Benzene | 20.0 | 18.6 | | ug/L | | 93 | 37 - 151 |
| Bromodichloromethane | 20.0 | 21.3 | | ug/L | | 106 | 35 - 155 |
| Bromoform | 20.0 | 21.5 | | ug/L | | 108 | 45 - 169 |
| Bromomethane | 20.0 | 19.0 | | ug/L | | 95 | 0 - 242 |
| Carbon disulfide | 20.0 | 17.5 | | ug/L | | 88 | 51 - 144 |
| Carbon tetrachloride | 20.0 | 22.5 | | ug/L | | 112 | 70 - 140 |
| Chlorobenzene | 20.0 | 18.9 | | ug/L | | 94 | 37 - 160 |
| Chloroethane | 20.0 | 19.7 | | ug/L | | 99 | 14 - 230 |
| Chloroform | 20.0 | 19.8 | | ug/L | | 99 | 51 - 138 |
| Chloromethane | 20.0 | 16.1 | | ug/L | | 80 | 0 - 273 |
| cis-1,2-Dichloroethene | 20.0 | 20.0 | | ug/L | | 100 | 80 - 120 |
| cis-1,3-Dichloropropene | 20.0 | 19.5 | | ug/L | | 97 | 0 - 227 |
| Dibromochloromethane | 20.0 | 20.8 | | ug/L | | 104 | 53 - 149 |
| Ethylbenzene | 20.0 | 19.6 | | ug/L | | 98 | 37 - 162 |
| Methylene Chloride | 20.0 | 18.9 | | ug/L | | 95 | 0 - 221 |
| Styrene | 20.0 | 20.9 | | ug/L | | 105 | 80 - 126 |
| Tetrachloroethene | 20.0 | 20.1 | | ug/L | | 100 | 78 - 121 |
| Toluene | 20.0 | 18.7 | | ug/L | | 94 | 78 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 19.7 | | ug/L | | 98 | 54 - 156 |
| trans-1,3-Dichloropropene | 20.0 | 19.6 | | ug/L | | 98 | 17 - 183 |
| Trichloroethene | 20.0 | 18.8 | | ug/L | | 94 | 71 - 157 |
| Vinyl chloride | 20.0 | 17.2 | | ug/L | | 86 | 0 - 251 |
| Xylenes, Total | 40.0 | 40.8 | | ug/L | | 102 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *48 - 130* |
| *Bromofluorobenzene* | *109* | | *71 - 131* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *111* | | *80 - 120* |

**Lab Sample ID: LCSD 460-508038/5**
**Matrix: Water**
**Analysis Batch: 508038**

**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 | 21.0 | | ug/L | | 105 | 52 - 162 | 1 | 30 |

## Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 460-508038/5**
**Matrix: Water**
**Analysis Batch: 508038**

**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 | 17.3 | | ug/L | | 87 | 46 - 147 | 1 | 30 |
| 1,1,2-Trichloroethane | | | 20.0 | 18.9 | | ug/L | | 94 | 52 - 150 | 4 | 30 |
| 1,1-Dichloroethane | | | 20.0 | 19.9 | | ug/L | | 100 | 59 - 155 | 4 | 30 |
| 1,1-Dichloroethene | | | 20.0 | 19.4 | | ug/L | | 97 | 0 - 234 | 4 | 30 |
| 1,2-Dichloroethane | | | 20.0 | 20.1 | | ug/L | | 100 | 49 - 155 | 0 | 30 |
| 1,2-Dichloropropane | | | 20.0 | 19.6 | | ug/L | | 98 | 0 - 210 | 1 | 30 |
| 1,4-Dioxane | | | 400 | 373 | | ug/L | | 93 | 71 - 150 | 5 | 30 |
| 2-Butanone | | | 100 | 107 | | ug/L | | 107 | 57 - 144 | 2 | 30 |
| 2-Hexanone | | | 100 | 116 | | ug/L | | 116 | 60 - 137 | 2 | 30 |
| 4-Methyl-2-pentanone | | | 100 | 111 | | ug/L | | 111 | 73 - 124 | 0 | 30 |
| Acetone | | | 100 | 81.7 | | ug/L | | 82 | 48 - 143 | 2 | 30 |
| Benzene | | | 20.0 | 18.8 | | ug/L | | 94 | 37 - 151 | 1 | 30 |
| Bromodichloromethane | | | 20.0 | 21.9 | | ug/L | | 109 | 35 - 155 | 3 | 30 |
| Bromoform | | | 20.0 | 20.9 | | ug/L | | 104 | 45 - 169 | 3 | 30 |
| Bromomethane | | | 20.0 | 19.2 | | ug/L | | 96 | 0 - 242 | 1 | 30 |
| Carbon disulfide | | | 20.0 | 17.8 | | ug/L | | 89 | 51 - 144 | 2 | 30 |
| Carbon tetrachloride | | | 20.0 | 23.0 | | ug/L | | 115 | 70 - 140 | 2 | 30 |
| Chlorobenzene | | | 20.0 | 19.2 | | ug/L | | 96 | 37 - 160 | 2 | 30 |
| Chloroethane | | | 20.0 | 18.6 | | ug/L | | 93 | 14 - 230 | 6 | 30 |
| Chloroform | | | 20.0 | 20.3 | | ug/L | | 101 | 51 - 138 | 2 | 30 |
| Chloromethane | | | 20.0 | 16.8 | | ug/L | | 84 | 0 - 273 | 4 | 30 |
| cis-1,2-Dichloroethene | | | 20.0 | 20.4 | | ug/L | | 102 | 80 - 120 | 2 | 30 |
| cis-1,3-Dichloropropene | | | 20.0 | 19.5 | | ug/L | | 97 | 0 - 227 | 0 | 30 |
| Dibromochloromethane | | | 20.0 | 21.0 | | ug/L | | 105 | 53 - 149 | 1 | 30 |
| Ethylbenzene | | | 20.0 | 20.1 | | ug/L | | 101 | 37 - 162 | 3 | 30 |
| Methylene Chloride | | | 20.0 | 19.0 | | ug/L | | 95 | 0 - 221 | 0 | 30 |
| Styrene | | | 20.0 | 21.4 | | ug/L | | 107 | 80 - 126 | 2 | 30 |
| Tetrachloroethene | | | 20.0 | 20.1 | | ug/L | | 101 | 78 - 121 | 0 | 30 |
| Toluene | | | 20.0 | 19.1 | | ug/L | | 95 | 78 - 120 | 2 | 30 |
| trans-1,2-Dichloroethene | | | 20.0 | 20.7 | | ug/L | | 103 | 54 - 156 | 5 | 30 |
| trans-1,3-Dichloropropene | | | 20.0 | 19.4 | | ug/L | | 97 | 17 - 183 | 1 | 30 |
| Trichloroethene | | | 20.0 | 19.4 | | ug/L | | 97 | 71 - 157 | 3 | 30 |
| Vinyl chloride | | | 20.0 | 18.4 | | ug/L | | 92 | 0 - 251 | 7 | 30 |
| Xylenes, Total | | | 40.0 | 41.9 | | ug/L | | 105 | 80 - 120 | 3 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *48 - 130* |
| *Bromofluorobenzene* | *111* | | *71 - 131* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *111* | | *80 - 120* |

**Lab Sample ID: MB 460-508329/8**
**Matrix: Water**
**Analysis Batch: 508329**

**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 | | | 04/04/18 11:57 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/04/18 11:57 | 1 |

## Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 460-508329/8**
**Matrix: Water**
**Analysis Batch: 508329**

**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 | | | 04/04/18 11:57 | 1 |
| 1,1-Dichloroethane | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/04/18 11:57 | 1 |
| 1,1-Dichloroethene | 0.34 | U | 1.0 | 0.34 | ug/L | | | 04/04/18 11:57 | 1 |
| 1,2-Dichloroethane | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/04/18 11:57 | 1 |
| 1,2-Dichloropropane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 11:57 | 1 |
| 1,4-Dioxane | 8.7 | U | 50 | 8.7 | ug/L | | | 04/04/18 11:57 | 1 |
| 2-Butanone | 2.2 | U | 5.0 | 2.2 | ug/L | | | 04/04/18 11:57 | 1 |
| 2-Hexanone | 0.72 | U | 5.0 | 0.72 | ug/L | | | 04/04/18 11:57 | 1 |
| 4-Methyl-2-pentanone | 0.63 | U | 5.0 | 0.63 | ug/L | | | 04/04/18 11:57 | 1 |
| Acetone | 1.57 | J | 5.0 | 1.1 | ug/L | | | 04/04/18 11:57 | 1 |
| Benzene | 0.090 | U | 1.0 | 0.090 | ug/L | | | 04/04/18 11:57 | 1 |
| Bromodichloromethane | 0.15 | U | 1.0 | 0.15 | ug/L | | | 04/04/18 11:57 | 1 |
| Bromoform | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 11:57 | 1 |
| Bromomethane | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 11:57 | 1 |
| Carbon disulfide | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 11:57 | 1 |
| Carbon tetrachloride | 0.33 | U | 1.0 | 0.33 | ug/L | | | 04/04/18 11:57 | 1 |
| Chlorobenzene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 04/04/18 11:57 | 1 |
| Chloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 04/04/18 11:57 | 1 |
| Chloroform | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 11:57 | 1 |
| Chloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 11:57 | 1 |
| cis-1,2-Dichloroethene | 0.26 | U | 1.0 | 0.26 | ug/L | | | 04/04/18 11:57 | 1 |
| cis-1,3-Dichloropropene | 0.16 | U | 1.0 | 0.16 | ug/L | | | 04/04/18 11:57 | 1 |
| Dibromochloromethane | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 11:57 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 04/04/18 11:57 | 1 |
| Methylene Chloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 04/04/18 11:57 | 1 |
| Styrene | 0.17 | U | 1.0 | 0.17 | ug/L | | | 04/04/18 11:57 | 1 |
| Tetrachloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 04/04/18 11:57 | 1 |
| Toluene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 04/04/18 11:57 | 1 |
| trans-1,2-Dichloroethene | 0.18 | U | 1.0 | 0.18 | ug/L | | | 04/04/18 11:57 | 1 |
| trans-1,3-Dichloropropene | 0.19 | U | 1.0 | 0.19 | ug/L | | | 04/04/18 11:57 | 1 |
| Trichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 04/04/18 11:57 | 1 |
| Vinyl chloride | 0.060 | U | 1.0 | 0.060 | ug/L | | | 04/04/18 11:57 | 1 |
| Xylenes, Total | 0.28 | U | 2.0 | 0.28 | ug/L | | | 04/04/18 11:57 | 1 |

| *Tentatively Identified Compound* | *MB Est. Result* | *MB Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *04/04/18 11:57* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *108* | | *48 - 130* | | *04/04/18 11:57* | *1* |
| *Bromofluorobenzene* | *107* | | *71 - 131* | | *04/04/18 11:57* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* | | *04/04/18 11:57* | *1* |
| *Dibromofluoromethane (Surr)* | *110* | | *80 - 120* | | *04/04/18 11:57* | *1* |

## Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 460-508329/4**
**Matrix: Water**
**Analysis Batch: 508329**

**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 | 20.6 | | ug/L | | 103 | 52 - 162 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.1 | | ug/L | | 86 | 46 - 147 |
| 1,1,2-Trichloroethane | 20.0 | 17.8 | | ug/L | | 89 | 52 - 150 |
| 1,1-Dichloroethane | 20.0 | 19.0 | | ug/L | | 95 | 59 - 155 |
| 1,1-Dichloroethene | 20.0 | 19.2 | | ug/L | | 96 | 0 - 234 |
| 1,2-Dichloroethane | 20.0 | 19.5 | | ug/L | | 97 | 49 - 155 |
| 1,2-Dichloropropane | 20.0 | 19.1 | | ug/L | | 96 | 0 - 210 |
| 1,4-Dioxane | 400 | 373 | | ug/L | | 93 | 71 - 150 |
| 2-Butanone | 100 | 101 | | ug/L | | 101 | 57 - 144 |
| 2-Hexanone | 100 | 109 | | ug/L | | 109 | 60 - 137 |
| 4-Methyl-2-pentanone | 100 | 108 | | ug/L | | 108 | 73 - 124 |
| Acetone | 100 | 77.2 | | ug/L | | 77 | 48 - 143 |
| Benzene | 20.0 | 18.5 | | ug/L | | 92 | 37 - 151 |
| Bromodichloromethane | 20.0 | 20.8 | | ug/L | | 104 | 35 - 155 |
| Bromoform | 20.0 | 19.7 | | ug/L | | 99 | 45 - 169 |
| Bromomethane | 20.0 | 18.5 | | ug/L | | 92 | 0 - 242 |
| Carbon disulfide | 20.0 | 16.8 | | ug/L | | 84 | 51 - 144 |
| Carbon tetrachloride | 20.0 | 22.2 | | ug/L | | 111 | 70 - 140 |
| Chlorobenzene | 20.0 | 18.8 | | ug/L | | 94 | 37 - 160 |
| Chloroethane | 20.0 | 21.7 | | ug/L | | 109 | 14 - 230 |
| Chloroform | 20.0 | 19.7 | | ug/L | | 98 | 51 - 138 |
| Chloromethane | 20.0 | 16.7 | | ug/L | | 84 | 0 - 273 |
| cis-1,2-Dichloroethene | 20.0 | 20.0 | | ug/L | | 100 | 80 - 120 |
| cis-1,3-Dichloropropene | 20.0 | 18.8 | | ug/L | | 94 | 0 - 227 |
| Dibromochloromethane | 20.0 | 19.9 | | ug/L | | 100 | 53 - 149 |
| Ethylbenzene | 20.0 | 19.6 | | ug/L | | 98 | 37 - 162 |
| Methylene Chloride | 20.0 | 18.7 | | ug/L | | 94 | 0 - 221 |
| Styrene | 20.0 | 20.6 | | ug/L | | 103 | 80 - 126 |
| Tetrachloroethene | 20.0 | 19.6 | | ug/L | | 98 | 78 - 121 |
| Toluene | 20.0 | 18.5 | | ug/L | | 92 | 78 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 18.2 | | ug/L | | 91 | 54 - 156 |
| trans-1,3-Dichloropropene | 20.0 | 19.3 | | ug/L | | 96 | 17 - 183 |
| Trichloroethene | 20.0 | 19.3 | | ug/L | | 97 | 71 - 157 |
| Vinyl chloride | 20.0 | 18.2 | | ug/L | | 91 | 0 - 251 |
| Xylenes, Total | 40.0 | 40.5 | | ug/L | | 101 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *107* | | *48 - 130* |
| *Bromofluorobenzene* | *112* | | *71 - 131* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *112* | | *80 - 120* |

**Lab Sample ID: LCSD 460-508329/5**
**Matrix: Water**
**Analysis Batch: 508329**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 19.4 | | ug/L | | 97 | 52 - 162 | 6 | 30 |

## Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 460-508329/5**
**Matrix: Water**
**Analysis Batch: 508329**

**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 | 16.4 | | ug/L | | 82 | 46 - 147 | 4 | 30 |
| 1,1,2-Trichloroethane | | | 20.0 | 17.8 | | ug/L | | 89 | 52 - 150 | 0 | 30 |
| 1,1-Dichloroethane | | | 20.0 | 17.7 | | ug/L | | 88 | 59 - 155 | 7 | 30 |
| 1,1-Dichloroethene | | | 20.0 | 17.6 | | ug/L | | 88 | 0 - 234 | 9 | 30 |
| 1,2-Dichloroethane | | | 20.0 | 19.5 | | ug/L | | 97 | 49 - 155 | 0 | 30 |
| 1,2-Dichloropropane | | | 20.0 | 18.4 | | ug/L | | 92 | 0 - 210 | 4 | 30 |
| 1,4-Dioxane | | | 400 | 380 | | ug/L | | 95 | 71 - 150 | 2 | 30 |
| 2-Butanone | | | 100 | 100 | | ug/L | | 100 | 57 - 144 | 0 | 30 |
| 2-Hexanone | | | 100 | 110 | | ug/L | | 110 | 60 - 137 | 1 | 30 |
| 4-Methyl-2-pentanone | | | 100 | 107 | | ug/L | | 107 | 73 - 124 | 1 | 30 |
| Acetone | | | 100 | 75.4 | | ug/L | | 75 | 48 - 143 | 2 | 30 |
| Benzene | | | 20.0 | 17.7 | | ug/L | | 88 | 37 - 151 | 4 | 30 |
| Bromodichloromethane | | | 20.0 | 19.9 | | ug/L | | 100 | 35 - 155 | 4 | 30 |
| Bromoform | | | 20.0 | 19.3 | | ug/L | | 96 | 45 - 169 | 2 | 30 |
| Bromomethane | | | 20.0 | 17.8 | | ug/L | | 89 | 0 - 242 | 4 | 30 |
| Carbon disulfide | | | 20.0 | 15.2 | | ug/L | | 76 | 51 - 144 | 10 | 30 |
| Carbon tetrachloride | | | 20.0 | 20.4 | | ug/L | | 102 | 70 - 140 | 8 | 30 |
| Chlorobenzene | | | 20.0 | 18.1 | | ug/L | | 90 | 37 - 160 | 4 | 30 |
| Chloroethane | | | 20.0 | 18.6 | | ug/L | | 93 | 14 - 230 | 15 | 30 |
| Chloroform | | | 20.0 | 19.0 | | ug/L | | 95 | 51 - 138 | 4 | 30 |
| Chloromethane | | | 20.0 | 15.3 | | ug/L | | 77 | 0 - 273 | 8 | 30 |
| cis-1,2-Dichloroethene | | | 20.0 | 19.0 | | ug/L | | 95 | 80 - 120 | 5 | 30 |
| cis-1,3-Dichloropropene | | | 20.0 | 18.7 | | ug/L | | 93 | 0 - 227 | 1 | 30 |
| Dibromochloromethane | | | 20.0 | 19.4 | | ug/L | | 97 | 53 - 149 | 3 | 30 |
| Ethylbenzene | | | 20.0 | 18.5 | | ug/L | | 92 | 37 - 162 | 6 | 30 |
| Methylene Chloride | | | 20.0 | 17.8 | | ug/L | | 89 | 0 - 221 | 5 | 30 |
| Styrene | | | 20.0 | 19.7 | | ug/L | | 98 | 80 - 126 | 5 | 30 |
| Tetrachloroethene | | | 20.0 | 18.9 | | ug/L | | 95 | 78 - 121 | 4 | 30 |
| Toluene | | | 20.0 | 17.8 | | ug/L | | 89 | 78 - 120 | 4 | 30 |
| trans-1,2-Dichloroethene | | | 20.0 | 18.4 | | ug/L | | 92 | 54 - 156 | 1 | 30 |
| trans-1,3-Dichloropropene | | | 20.0 | 18.7 | | ug/L | | 94 | 17 - 183 | 3 | 30 |
| Trichloroethene | | | 20.0 | 17.9 | | ug/L | | 90 | 71 - 157 | 8 | 30 |
| Vinyl chloride | | | 20.0 | 17.1 | | ug/L | | 85 | 0 - 251 | 6 | 30 |
| Xylenes, Total | | | 40.0 | 38.1 | | ug/L | | 95 | 80 - 120 | 6 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *106* | | *48 - 130* |
| *Bromofluorobenzene* | *111* | | *71 - 131* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *111* | | *80 - 120* |

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |
| B | Compound was found in the blank and sample. |
| 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 | 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 SAGWM 2018

TestAmerica Job ID: 460-152888-1

## GC/MS VOA

### Analysis Batch: 508038

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 460-152888-1 | TB | Total/NA | Water | 624 | |
| 460-152888-2 | FB | Total/NA | Water | 624 | |
| 460-152888-3 | MW-36 | Total/NA | Water | 624 | |
| MB 460-508038/8 | Method Blank | Total/NA | Water | 624 | |
| LCS 460-508038/4 | Lab Control Sample | Total/NA | Water | 624 | |
| LCSD 460-508038/5 | Lab Control Sample Dup | Total/NA | Water | 624 | |

### Analysis Batch: 508329

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 460-152888-4 | MW-31 | Total/NA | Water | 624 | |
| 460-152888-5 | MW-71 | Total/NA | Water | 624 | |
| MB 460-508329/8 | Method Blank | Total/NA | Water | 624 | |
| LCS 460-508329/4 | Lab Control Sample | Total/NA | Water | 624 | |
| LCSD 460-508329/5 | Lab Control Sample Dup | Total/NA | Water | 624 | |

# Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192 SAGWM 2018

TestAmerica Job ID: 460-152888-1

## Client Sample ID: TB
**Lab Sample ID: 460-152888-1**
**Date Collected: 03/29/18 00:00**
**Matrix: Water**
**Date Received: 03/29/18 11:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 624 | | 1 | 508038 | 04/03/18 23:14 | VBP | TAL EDI |

## Client Sample ID: FB
**Lab Sample ID: 460-152888-2**
**Date Collected: 03/29/18 08:35**
**Matrix: Water**
**Date Received: 03/29/18 11:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 624 | | 1 | 508038 | 04/03/18 23:40 | VBP | TAL EDI |

## Client Sample ID: MW-36
**Lab Sample ID: 460-152888-3**
**Date Collected: 03/29/18 08:40**
**Matrix: Water**
**Date Received: 03/29/18 11:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 624 | | 1 | 508038 | 04/04/18 05:53 | VBP | TAL EDI |

## Client Sample ID: MW-31
**Lab Sample ID: 460-152888-4**
**Date Collected: 03/29/18 09:25**
**Matrix: Water**
**Date Received: 03/29/18 11:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 624 | | 5 | 508329 | 04/04/18 14:48 | DAS | TAL EDI |

## Client Sample ID: MW-71
**Lab Sample ID: 460-152888-5**
**Date Collected: 03/29/18 09:50**
**Matrix: Water**
**Date Received: 03/29/18 11:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 624 | | 1 | 508329 | 04/04/18 14:22 | DAS | 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 SAGWM 2018

TestAmerica Job ID: 460-152888-1

## Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| 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 | 4-Methyl-2-pentanone |
| 624 | | Water | Acetone |
| 624 | | Water | Carbon disulfide |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Method 624

## Volatile Organic Compounds (GC/MS) by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-152888-1

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 # |
|---|---|---|---|---|---|
| TB | 460-152888-1 | 115 | 115 | 97 | 106 |
| FB | 460-152888-2 | 116 | 114 | 98 | 107 |
| MW-36 | 460-152888-3 | 115 | 113 | 96 | 106 |
| MW-31 | 460-152888-4 | 114 | 113 | 96 | 106 |
| MW-71 | 460-152888-5 | 114 | 109 | 98 | 108 |
| | MB 460-508038/8 | 111 | 106 | 97 | 106 |
| | MB 460-508329/8 | 110 | 108 | 98 | 107 |
| | LCS 460-508038/4 | 111 | 105 | 97 | 109 |
| | LCS 460-508329/4 | 112 | 107 | 98 | 112 |
| | LCSD 460-508038/5 | 111 | 105 | 98 | 111 |
| | LCSD 460-508329/5 | 111 | 106 | 98 | 111 |

| | 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.: 460-152888-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E83095.D

Lab ID: LCS 460-508038/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 20.8 | 104 | 52-162 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.6 | 88 | 46-147 | |
| 1,1,2-Trichloroethane | 20.0 | 18.2 | 91 | 52-150 | |
| 1,1-Dichloroethane | 20.0 | 19.1 | 95 | 59-155 | |
| 1,1-Dichloroethene | 20.0 | 18.7 | 93 | 0-234 | |
| 1,2-Dichloroethane | 20.0 | 20.0 | 100 | 49-155 | |
| 1,2-Dichloropropane | 20.0 | 19.4 | 97 | 0-210 | |
| 1,4-Dioxane | 400 | 393 | 98 | 71-150 | |
| 2-Butanone | 100 | 105 | 105 | 57-144 | |
| 2-Hexanone | 100 | 113 | 113 | 60-137 | |
| 4-Methyl-2-pentanone | 100 | 112 | 112 | 73-124 | |
| Acetone | 100 | 80.5 | 80 | 48-143 | |
| Benzene | 20.0 | 18.6 | 93 | 37-151 | |
| Bromodichloromethane | 20.0 | 21.3 | 106 | 35-155 | |
| Bromoform | 20.0 | 21.5 | 108 | 45-169 | |
| Bromomethane | 20.0 | 19.0 | 95 | 0-242 | |
| Carbon disulfide | 20.0 | 17.5 | 88 | 51-144 | |
| Carbon tetrachloride | 20.0 | 22.5 | 112 | 70-140 | |
| Chlorobenzene | 20.0 | 18.9 | 94 | 37-160 | |
| Chloroethane | 20.0 | 19.7 | 99 | 14-230 | |
| Chloroform | 20.0 | 19.8 | 99 | 51-138 | |
| Chloromethane | 20.0 | 16.1 | 80 | 0-273 | |
| cis-1,2-Dichloroethene | 20.0 | 20.0 | 100 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 19.5 | 97 | 0-227 | |
| Dibromochloromethane | 20.0 | 20.8 | 104 | 53-149 | |
| Ethylbenzene | 20.0 | 19.6 | 98 | 37-162 | |
| Methylene Chloride | 20.0 | 18.9 | 95 | 0-221 | |
| Styrene | 20.0 | 20.9 | 105 | 80-126 | |
| Tetrachloroethene | 20.0 | 20.1 | 100 | 78-121 | |
| Toluene | 20.0 | 18.7 | 94 | 78-120 | |
| trans-1,2-Dichloroethene | 20.0 | 19.7 | 98 | 54-156 | |
| trans-1,3-Dichloropropene | 20.0 | 19.6 | 98 | 17-183 | |
| Trichloroethene | 20.0 | 18.8 | 94 | 71-157 | |
| Vinyl chloride | 20.0 | 17.2 | 86 | 0-251 | |
| Xylenes, Total | 40.0 | 40.8 | 102 | 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.: 460-152888-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E83146.D

Lab ID: LCS 460-508329/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 20.6 | 103 | 52-162 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.1 | 86 | 46-147 | |
| 1,1,2-Trichloroethane | 20.0 | 17.8 | 89 | 52-150 | |
| 1,1-Dichloroethane | 20.0 | 19.0 | 95 | 59-155 | |
| 1,1-Dichloroethene | 20.0 | 19.2 | 96 | 0-234 | |
| 1,2-Dichloroethane | 20.0 | 19.5 | 97 | 49-155 | |
| 1,2-Dichloropropane | 20.0 | 19.1 | 96 | 0-210 | |
| 1,4-Dioxane | 400 | 373 | 93 | 71-150 | |
| 2-Butanone | 100 | 101 | 101 | 57-144 | |
| 2-Hexanone | 100 | 109 | 109 | 60-137 | |
| 4-Methyl-2-pentanone | 100 | 108 | 108 | 73-124 | |
| Acetone | 100 | 77.2 | 77 | 48-143 | |
| Benzene | 20.0 | 18.5 | 92 | 37-151 | |
| Bromodichloromethane | 20.0 | 20.8 | 104 | 35-155 | |
| Bromoform | 20.0 | 19.7 | 99 | 45-169 | |
| Bromomethane | 20.0 | 18.5 | 92 | 0-242 | |
| Carbon disulfide | 20.0 | 16.8 | 84 | 51-144 | |
| Carbon tetrachloride | 20.0 | 22.2 | 111 | 70-140 | |
| Chlorobenzene | 20.0 | 18.8 | 94 | 37-160 | |
| Chloroethane | 20.0 | 21.7 | 109 | 14-230 | |
| Chloroform | 20.0 | 19.7 | 98 | 51-138 | |
| Chloromethane | 20.0 | 16.7 | 84 | 0-273 | |
| cis-1,2-Dichloroethene | 20.0 | 20.0 | 100 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 18.8 | 94 | 0-227 | |
| Dibromochloromethane | 20.0 | 19.9 | 100 | 53-149 | |
| Ethylbenzene | 20.0 | 19.6 | 98 | 37-162 | |
| Methylene Chloride | 20.0 | 18.7 | 94 | 0-221 | |
| Styrene | 20.0 | 20.6 | 103 | 80-126 | |
| Tetrachloroethene | 20.0 | 19.6 | 98 | 78-121 | |
| Toluene | 20.0 | 18.5 | 92 | 78-120 | |
| trans-1,2-Dichloroethene | 20.0 | 18.2 | 91 | 54-156 | |
| trans-1,3-Dichloropropene | 20.0 | 19.3 | 96 | 17-183 | |
| Trichloroethene | 20.0 | 19.3 | 97 | 71-157 | |
| Vinyl chloride | 20.0 | 18.2 | 91 | 0-251 | |
| Xylenes, Total | 40.0 | 40.5 | 101 | 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.: 460-152888-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E83096.D

Lab ID: LCSD 460-508038/5 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 | 21.0 | 105 | 1 | 30 | 52-162 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.3 | 87 | 1 | 30 | 46-147 | |
| 1,1,2-Trichloroethane | 20.0 | 18.9 | 94 | 4 | 30 | 52-150 | |
| 1,1-Dichloroethane | 20.0 | 19.9 | 100 | 4 | 30 | 59-155 | |
| 1,1-Dichloroethene | 20.0 | 19.4 | 97 | 4 | 30 | 0-234 | |
| 1,2-Dichloroethane | 20.0 | 20.1 | 100 | 0 | 30 | 49-155 | |
| 1,2-Dichloropropane | 20.0 | 19.6 | 98 | 1 | 30 | 0-210 | |
| 1,4-Dioxane | 400 | 373 | 93 | 5 | 30 | 71-150 | |
| 2-Butanone | 100 | 107 | 107 | 2 | 30 | 57-144 | |
| 2-Hexanone | 100 | 116 | 116 | 2 | 30 | 60-137 | |
| 4-Methyl-2-pentanone | 100 | 111 | 111 | 0 | 30 | 73-124 | |
| Acetone | 100 | 81.7 | 82 | 2 | 30 | 48-143 | |
| Benzene | 20.0 | 18.8 | 94 | 1 | 30 | 37-151 | |
| Bromodichloromethane | 20.0 | 21.9 | 109 | 3 | 30 | 35-155 | |
| Bromoform | 20.0 | 20.9 | 104 | 3 | 30 | 45-169 | |
| Bromomethane | 20.0 | 19.2 | 96 | 1 | 30 | 0-242 | |
| Carbon disulfide | 20.0 | 17.8 | 89 | 2 | 30 | 51-144 | |
| Carbon tetrachloride | 20.0 | 23.0 | 115 | 2 | 30 | 70-140 | |
| Chlorobenzene | 20.0 | 19.2 | 96 | 2 | 30 | 37-160 | |
| Chloroethane | 20.0 | 18.6 | 93 | 6 | 30 | 14-230 | |
| Chloroform | 20.0 | 20.3 | 101 | 2 | 30 | 51-138 | |
| Chloromethane | 20.0 | 16.8 | 84 | 4 | 30 | 0-273 | |
| cis-1,2-Dichloroethene | 20.0 | 20.4 | 102 | 2 | 30 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 19.5 | 97 | 0 | 30 | 0-227 | |
| Dibromochloromethane | 20.0 | 21.0 | 105 | 1 | 30 | 53-149 | |
| Ethylbenzene | 20.0 | 20.1 | 101 | 3 | 30 | 37-162 | |
| Methylene Chloride | 20.0 | 19.0 | 95 | 0 | 30 | 0-221 | |
| Styrene | 20.0 | 21.4 | 107 | 2 | 30 | 80-126 | |
| Tetrachloroethene | 20.0 | 20.1 | 101 | 0 | 30 | 78-121 | |
| Toluene | 20.0 | 19.1 | 95 | 2 | 30 | 78-120 | |
| trans-1,2-Dichloroethene | 20.0 | 20.7 | 103 | 5 | 30 | 54-156 | |
| trans-1,3-Dichloropropene | 20.0 | 19.4 | 97 | 1 | 30 | 17-183 | |
| Trichloroethene | 20.0 | 19.4 | 97 | 3 | 30 | 71-157 | |
| Vinyl chloride | 20.0 | 18.4 | 92 | 7 | 30 | 0-251 | |
| Xylenes, Total | 40.0 | 41.9 | 105 | 3 | 30 | 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.: 460-152888-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E83147.D

Lab ID: LCSD 460-508329/5 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 19.4 | 97 | 6 | 30 | 52-162 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 16.4 | 82 | 4 | 30 | 46-147 | |
| 1,1,2-Trichloroethane | 20.0 | 17.8 | 89 | 0 | 30 | 52-150 | |
| 1,1-Dichloroethane | 20.0 | 17.7 | 88 | 7 | 30 | 59-155 | |
| 1,1-Dichloroethene | 20.0 | 17.6 | 88 | 9 | 30 | 0-234 | |
| 1,2-Dichloroethane | 20.0 | 19.5 | 97 | 0 | 30 | 49-155 | |
| 1,2-Dichloropropane | 20.0 | 18.4 | 92 | 4 | 30 | 0-210 | |
| 1,4-Dioxane | 400 | 380 | 95 | 2 | 30 | 71-150 | |
| 2-Butanone | 100 | 100 | 100 | 0 | 30 | 57-144 | |
| 2-Hexanone | 100 | 110 | 110 | 1 | 30 | 60-137 | |
| 4-Methyl-2-pentanone | 100 | 107 | 107 | 1 | 30 | 73-124 | |
| Acetone | 100 | 75.4 | 75 | 2 | 30 | 48-143 | |
| Benzene | 20.0 | 17.7 | 88 | 4 | 30 | 37-151 | |
| Bromodichloromethane | 20.0 | 19.9 | 100 | 4 | 30 | 35-155 | |
| Bromoform | 20.0 | 19.3 | 96 | 2 | 30 | 45-169 | |
| Bromomethane | 20.0 | 17.8 | 89 | 4 | 30 | 0-242 | |
| Carbon disulfide | 20.0 | 15.2 | 76 | 10 | 30 | 51-144 | |
| Carbon tetrachloride | 20.0 | 20.4 | 102 | 8 | 30 | 70-140 | |
| Chlorobenzene | 20.0 | 18.1 | 90 | 4 | 30 | 37-160 | |
| Chloroethane | 20.0 | 18.6 | 93 | 15 | 30 | 14-230 | |
| Chloroform | 20.0 | 19.0 | 95 | 4 | 30 | 51-138 | |
| Chloromethane | 20.0 | 15.3 | 77 | 8 | 30 | 0-273 | |
| cis-1,2-Dichloroethene | 20.0 | 19.0 | 95 | 5 | 30 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 18.7 | 93 | 1 | 30 | 0-227 | |
| Dibromochloromethane | 20.0 | 19.4 | 97 | 3 | 30 | 53-149 | |
| Ethylbenzene | 20.0 | 18.5 | 92 | 6 | 30 | 37-162 | |
| Methylene Chloride | 20.0 | 17.8 | 89 | 5 | 30 | 0-221 | |
| Styrene | 20.0 | 19.7 | 98 | 5 | 30 | 80-126 | |
| Tetrachloroethene | 20.0 | 18.9 | 95 | 4 | 30 | 78-121 | |
| Toluene | 20.0 | 17.8 | 89 | 4 | 30 | 78-120 | |
| trans-1,2-Dichloroethene | 20.0 | 18.4 | 92 | 1 | 30 | 54-156 | |
| trans-1,3-Dichloropropene | 20.0 | 18.7 | 94 | 3 | 30 | 17-183 | |
| Trichloroethene | 20.0 | 17.9 | 90 | 8 | 30 | 71-157 | |
| Vinyl chloride | 20.0 | 17.1 | 85 | 6 | 30 | 0-251 | |
| Xylenes, Total | 40.0 | 38.1 | 95 | 6 | 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.: 460-152888-1

SDG No.:

Lab File ID: E83099.D Lab Sample ID: MB 460-508038/8

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

Instrument ID: CVOAMS5 Date Analyzed: 04/03/2018 13:18

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 460-508038/4 | E83095.D | 04/03/2018 11:31 |
| | LCSD 460-508038/5 | E83096.D | 04/03/2018 11:58 |
| TB | 460-152888-1 | E83121.D | 04/03/2018 23:14 |
| FB | 460-152888-2 | E83122.D | 04/03/2018 23:40 |
| MW-36 | 460-152888-3 | E83136.D | 04/04/2018 05:53 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab File ID: E83150.D Lab Sample ID: MB 460-508329/8

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

Instrument ID: CVOAMS5 Date Analyzed: 04/04/2018 11:57

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 460-508329/4 | E83146.D | 04/04/2018 10:10 |
| | LCSD 460-508329/5 | E83147.D | 04/04/2018 10:37 |
| MW-71 | 460-152888-5 | E83154.D | 04/04/2018 14:22 |
| MW-31 | 460-152888-4 | E83155.D | 04/04/2018 14:48 |

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

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab File ID: E82367.D BFB Injection Date: 03/17/2018

Instrument ID: CVOAMS5 BFB Injection Time: 04:11

Analysis Batch No.: 504243

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 16.5 | |
| 75 | 30.0 - 60.0 % of mass 95 | 45.5 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.7 | |
| 173 | Less than 2.0 % of mass 174 | 0.3 | (0.3) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 83.5 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.2 | (7.4) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 81.5 | (97.7) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.4 | (6.7) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | STD8 460-504243/2 | E82368.D | 03/17/2018 | 04:53 |
| | STD5 460-504243/5 | E82371.D | 03/17/2018 | 06:13 |
| | STD20 460-504243/6 | E82372.D | 03/17/2018 | 06:39 |
| | STD50 460-504243/7 | E82373.D | 03/17/2018 | 07:06 |
| | STD200 460-504243/8 | E82374.D | 03/17/2018 | 07:33 |
| | STD500 460-504243/9 | E82375.D | 03/17/2018 | 07:59 |
| | STD1 460-504243/14 | E82380.D | 03/17/2018 | 12:52 |

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

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab File ID: E83092.D BFB Injection Date: 04/03/2018

Instrument ID: CVOAMS5 BFB Injection Time: 10:23

Analysis Batch No.: 508038

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 15.1 | |
| 75 | 30.0 - 60.0 % of mass 95 | 44.6 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 7.2 | |
| 173 | Less than 2.0 % of mass 174 | 0.5 | (0.6) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 92.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.6 | (7.1) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 90.4 | (97.3) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.9 | (6.5) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-508038/3 | E83094.D | 04/03/2018 | 11:05 |
| | LCS 460-508038/4 | E83095.D | 04/03/2018 | 11:31 |
| | LCSD 460-508038/5 | E83096.D | 04/03/2018 | 11:58 |
| | MB 460-508038/8 | E83099.D | 04/03/2018 | 13:18 |
| TB | 460-152888-1 | E83121.D | 04/03/2018 | 23:14 |
| FB | 460-152888-2 | E83122.D | 04/03/2018 | 23:40 |
| MW-36 | 460-152888-3 | E83136.D | 04/04/2018 | 05:53 |

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

Lab Name: TestAmerica Edison  Job No.: 460-152888-1

SDG No.:

Lab File ID: E83143.D  BFB Injection Date: 04/04/2018

Instrument ID: CVOAMS5  BFB Injection Time: 08:56

Analysis Batch No.: 508329

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 15.1 | |
| 75 | 30.0 - 60.0 % of mass 95 | 44.1 | |
| 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 | 0.6 | (0.7) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 86.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.2 | (7.2) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 83.4 | (96.0) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.9 | (7.1) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-508329/3 | E83145.D | 04/04/2018 | 09:43 |
| | LCS 460-508329/4 | E83146.D | 04/04/2018 | 10:10 |
| | LCSD 460-508329/5 | E83147.D | 04/04/2018 | 10:37 |
| | MB 460-508329/8 | E83150.D | 04/04/2018 | 11:57 |
| MW-71 | 460-152888-5 | E83154.D | 04/04/2018 | 14:22 |
| MW-31 | 460-152888-4 | E83155.D | 04/04/2018 | 14:48 |

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

Lab Name: TestAmerica Edison  Job No.: 460-152888-1

SDG No.:

Sample No.: CCVIS 460-508038/3  Date Analyzed: 04/03/2018 11:05

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

Lab File ID (Standard): E83094.D  Heated Purge: (Y/N) N

Calibration ID: 67065

| | | TBAd9 | | BUT | | FB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 186356 | 2.28 | 225669 | 3.40 | 428138 | 4.01 |
| UPPER LIMIT | | 372712 | 2.78 | 451338 | 3.90 | 856276 | 4.51 |
| LOWER LIMIT | | 93178 | 1.78 | 112835 | 2.90 | 214069 | 3.51 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-508038/4 | | 192007 | 2.28 | 229371 | 3.40 | 432770 | 4.01 |
| LCSD 460-508038/5 | | 200935 | 2.28 | 232787 | 3.40 | 431294 | 4.01 |
| MB 460-508038/8 | | 184251 | 2.27 | 221108 | 3.40 | 419842 | 4.01 |
| 460-152888-1 | TB | 185318 | 2.28 | 220449 | 3.40 | 399808 | 4.01 |
| 460-152888-2 | FB | 181832 | 2.28 | 219531 | 3.40 | 399329 | 4.01 |
| 460-152888-3 | MW-36 | 185752 | 2.27 | 218205 | 3.40 | 391292 | 4.01 |

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.: 460-152888-1

SDG No.:

Sample No.: CCVIS 460-508038/3  Date Analyzed: 04/03/2018 11:05

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

Lab File ID (Standard): E83094.D  Heated Purge: (Y/N) N

Calibration ID: 67065

| | | DXE | | CBNZd5 | | DCBd4 | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 26241 | 4.93 | 365648 | 7.54 | 202232 | 11.11 |
| UPPER LIMIT | | 52482 | 5.43 | 731296 | 8.04 | 404464 | 11.61 |
| LOWER LIMIT | | 13121 | 4.43 | 182824 | 7.04 | 101116 | 10.61 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-508038/4 | | 26976 | 4.93 | 367561 | 7.54 | 202378 | 11.11 |
| LCSD 460-508038/5 | | 28552 | 4.93 | 366802 | 7.54 | 205649 | 11.11 |
| MB 460-508038/8 | | 24396 | 4.93 | 353477 | 7.54 | 190655 | 11.11 |
| 460-152888-1 | TB | 23688 | 4.93 | 343534 | 7.54 | 186354 | 11.11 |
| 460-152888-2 | FB | 22780 | 4.93 | 338757 | 7.54 | 184690 | 11.11 |
| 460-152888-3 | MW-36 | 23620 | 4.93 | 337010 | 7.54 | 182995 | 11.11 |

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.: 460-152888-1

SDG No.:

Sample No.: CCVIS 460-508329/3  Date Analyzed: 04/04/2018 09:43

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

Lab File ID (Standard): E83145.D  Heated Purge: (Y/N) N

Calibration ID: 67065

| | | TBAd9 | | BUT | | FB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 198393 | 2.28 | 233114 | 3.40 | 434904 | 4.01 |
| UPPER LIMIT | | 396786 | 2.78 | 466228 | 3.90 | 869808 | 4.51 |
| LOWER LIMIT | | 99197 | 1.78 | 116557 | 2.90 | 217452 | 3.51 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-508329/4 | | 207501 | 2.28 | 242102 | 3.40 | 440560 | 4.01 |
| LCSD 460-508329/5 | | 215606 | 2.28 | 244714 | 3.40 | 441354 | 4.01 |
| MB 460-508329/8 | | 201468 | 2.27 | 231126 | 3.40 | 424540 | 4.01 |
| 460-152888-5 | MW-71 | 182816 | 2.27 | 209722 | 3.40 | 403481 | 4.01 |
| 460-152888-4 | MW-31 | 189691 | 2.28 | 219634 | 3.40 | 401945 | 4.01 |

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.: 460-152888-1

SDG No.:

Sample No.: CCVIS 460-508329/3  Date Analyzed: 04/04/2018 09:43

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

Lab File ID (Standard): E83145.D  Heated Purge: (Y/N) N

Calibration ID: 67065

| | | DXE | | CBNZd5 | | DCBd4 | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 27633 | 4.93 | 372917 | 7.54 | 204783 | 11.11 |
| UPPER LIMIT | | 55266 | 5.43 | 745834 | 8.04 | 409566 | 11.61 |
| LOWER LIMIT | | 13817 | 4.43 | 186459 | 7.04 | 102392 | 10.61 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-508329/4 | | 28921 | 4.93 | 374821 | 7.54 | 209266 | 11.11 |
| LCSD 460-508329/5 | | 29076 | 4.93 | 376178 | 7.54 | 210407 | 11.11 |
| MB 460-508329/8 | | 25984 | 4.93 | 356080 | 7.54 | 195120 | 11.11 |
| 460-152888-5 | MW-71 | 22830 | 4.93 | 344956 | 7.54 | 190480 | 11.11 |
| 460-152888-4 | MW-31 | 24800 | 4.93 | 347376 | 7.54 | 187236 | 11.11 |

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.: 460-152888-1

SDG No.:

Client Sample ID: TB | Lab Sample ID: 460-152888-1

Matrix: Water | Lab File ID: E83121.D

Analysis Method: 624 | Date Collected: 03/29/2018 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/03/2018 23:14

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.: 508038 | 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 | 0.63 | U | 5.0 | 0.63 |
| 67-64-1 | Acetone | 3.0 | J B | 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 | 0.57 | 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.: 460-152888-1

SDG No.:

Client Sample ID: TB  Lab Sample ID: 460-152888-1

Matrix: Water  Lab File ID: E83121.D

Analysis Method: 624  Date Collected: 03/29/2018 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 23:14

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.: 508038  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 115 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 106 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 115 | | 80-120 |

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

Lab Name: TestAmerica Edison  Job No.: 460-152888-1

SDG No.:

Client Sample ID: TB  Lab Sample ID: 460-152888-1

Matrix: Water  Lab File ID: E83121.D

Analysis Method: 624  Date Collected: 03/29/2018 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 23:14

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.: 508038  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\20180403-69754.b\E83121.D
Lims ID: 460-152888-A-1
Client ID: TB
Sample Type: Client
Inject. Date: 03-Apr-2018 23:14:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-152888-A-1
Misc. Info.: 460-0069754-030
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 04-Apr-2018 09:24:20 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: parekhv Date: 04-Apr-2018 09:24:20

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 23 Methylene Chloride | 84 | 2.077 | 2.077 | 0.000 | 88 | 1261 | 0.5738 | |
| 24 Acetone | 58 | 2.118 | 2.118 | 0.000 | 88 | 695 | 3.03 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 97 | 185318 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 100910 | 57.6 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 220449 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 121360 | 57.4 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 399808 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 98 | 23688 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.616 | 5.615 | 0.001 | 100 | 422216 | 48.3 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 343534 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 95 | 135795 | 52.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 186354 | 50.0 | |

## Reagents:

8260SURR250_00169 Amount Added: 1.00 Units: uL Run Reagent
8260ISNEW_00119 Amount Added: 1.00 Units: uL Run Reagent

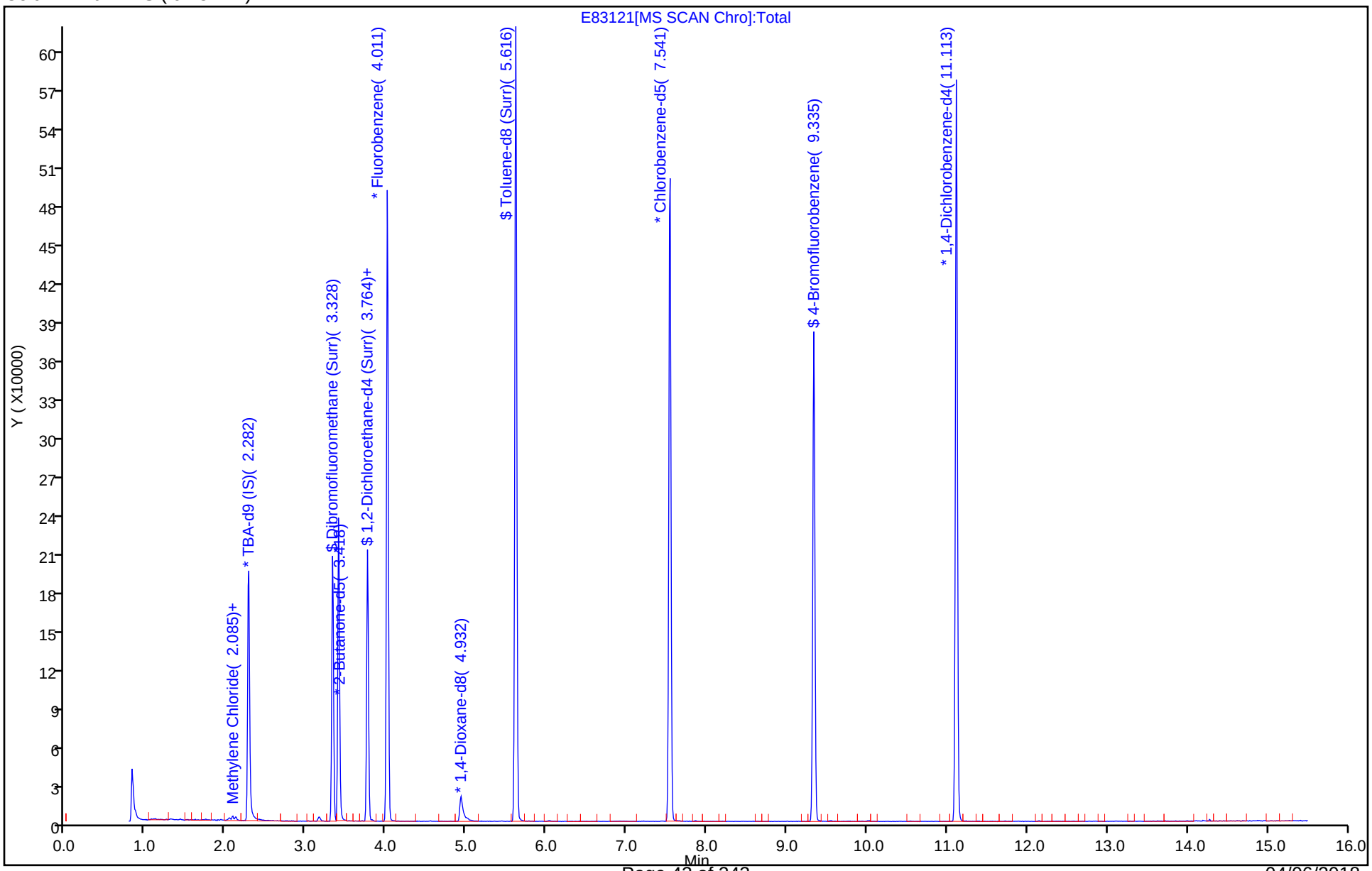
Report Date: 04-Apr-2018 09:24:20 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83121.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 03-Apr-2018 23:14:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | 460-152888-A-1 | Lab Sample ID: | 460-152888-1 | Worklist Smp#: | 30 |
| Client ID: | TB | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 29 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

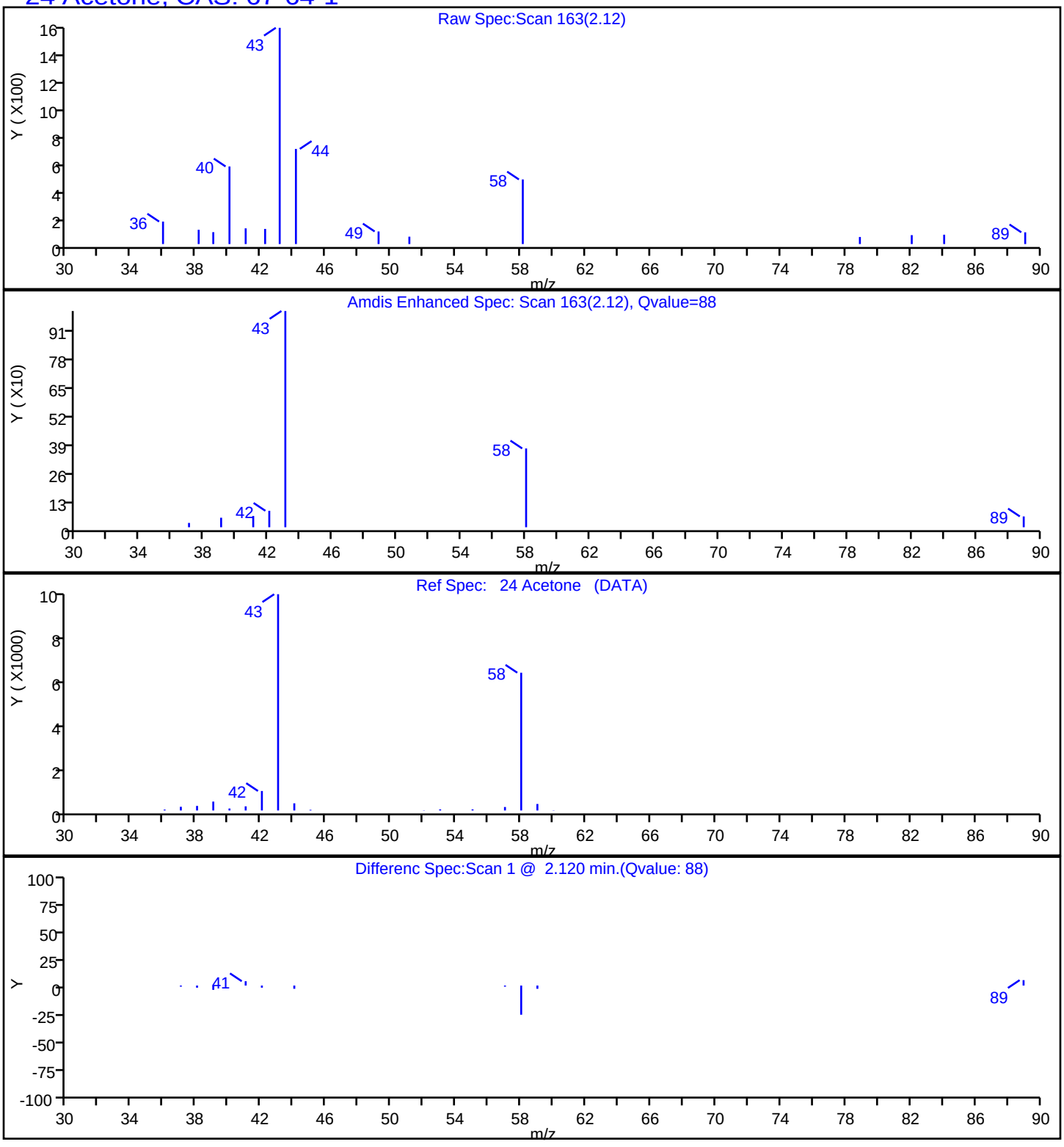
Column: Rtx-VMS ( 0.18 mm)



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83121.D

| | | | |
|---|---|---|---|
| Injection Date: | 03-Apr-2018 23:14:30 | Instrument ID: | CVOAMS5 |
| Lims ID: | 460-152888-A-1 | Lab Sample ID: | 460-152888-1 |
| Client ID: | TB | | |
| Operator ID: | | ALS Bottle#: | 29 Worklist Smp#: 30 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN |

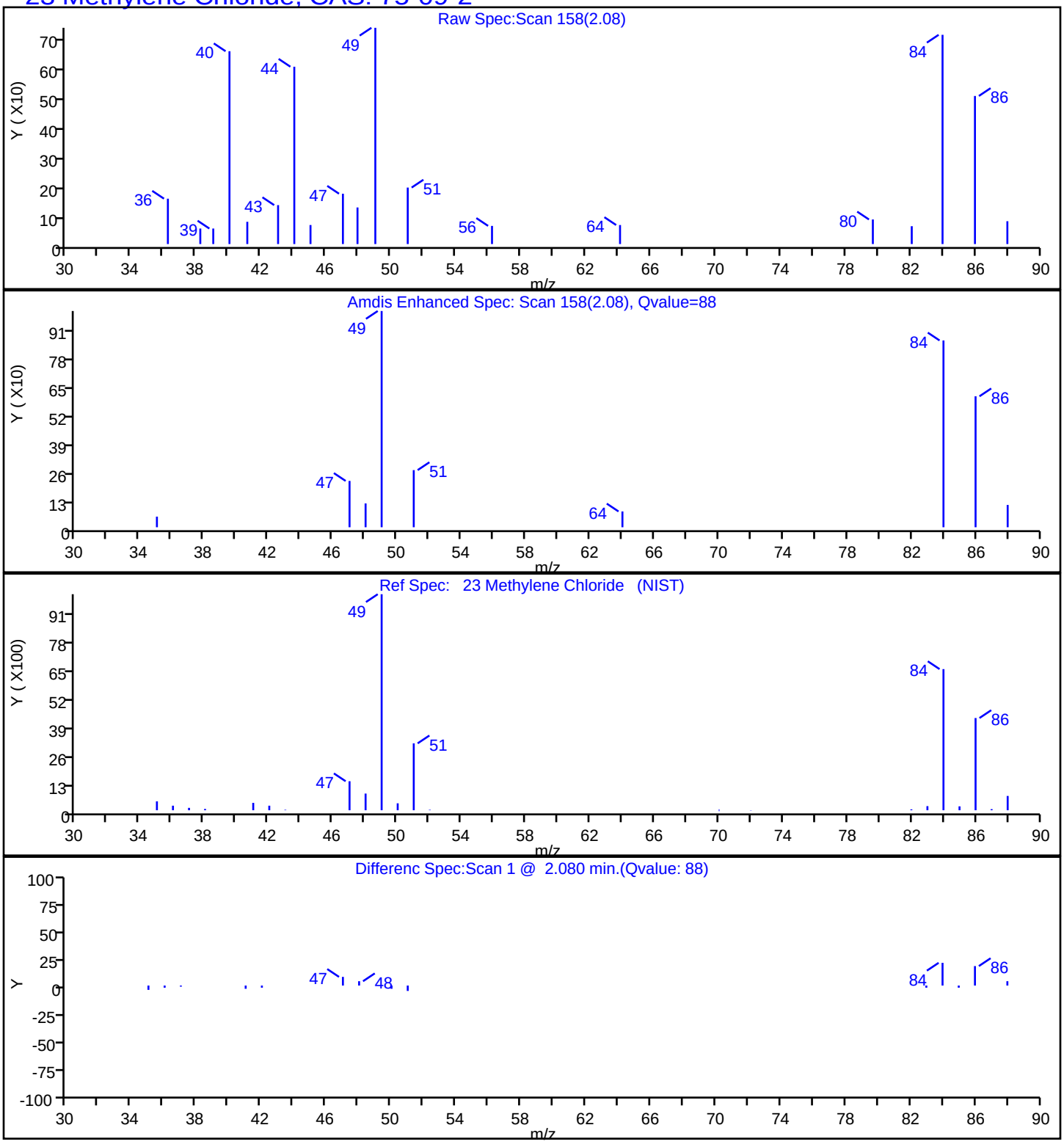
## 24 Acetone, CAS: 67-64-1



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83121.D
Injection Date: 03-Apr-2018 23:14:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-A-1 Lab Sample ID: 460-152888-1
Client ID: TB
Operator ID: ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 23 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: FB | Lab Sample ID: 460-152888-2

Matrix: Water | Lab File ID: E83122.D

Analysis Method: 624 | Date Collected: 03/29/2018 08:35

Sample wt/vol: 5(mL) | Date Analyzed: 04/03/2018 23:40

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.: 508038 | 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 | 0.63 | U | 5.0 | 0.63 |
| 67-64-1 | Acetone | 3.8 | J B | 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 | 2.2 | | 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.: 460-152888-1

SDG No.:

Client Sample ID: FB  Lab Sample ID: 460-152888-2

Matrix: Water  Lab File ID: E83122.D

Analysis Method: 624  Date Collected: 03/29/2018 08:35

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 23:40

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.: 508038  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 114 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 107 | | 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.: 460-152888-1

SDG No.:

Client Sample ID: FB  Lab Sample ID: 460-152888-2

Matrix: Water  Lab File ID: E83122.D

Analysis Method: 624  Date Collected: 03/29/2018 08:35

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 23:40

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.: 508038  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\20180403-69754.b\E83122.D
Lims ID: 460-152888-A-2
Client ID: FB
Sample Type: Client
Inject. Date: 03-Apr-2018 23:40:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-152888-A-2
Misc. Info.: 460-0069754-031
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 05-Apr-2018 15:07:24 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: xuyvo Date: 05-Apr-2018 15:07:24

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 23 Methylene Chloride | 84 | 2.085 | 2.077 | 0.008 | 84 | 4762 | 2.17 | |
| 24 Acetone | 58 | 2.118 | 2.118 | 0.000 | 88 | 878 | 3.84 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 97 | 181832 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 101164 | 57.8 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 219531 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 120164 | 56.9 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 399329 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 97 | 22780 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 420607 | 48.8 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 338757 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 94 | 135255 | 53.3 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 184690 | 50.0 | |

## Reagents:

8260SURR250_00169 Amount Added: 1.00 Units: uL Run Reagent
8260ISNEW_00119 Amount Added: 1.00 Units: uL Run Reagent

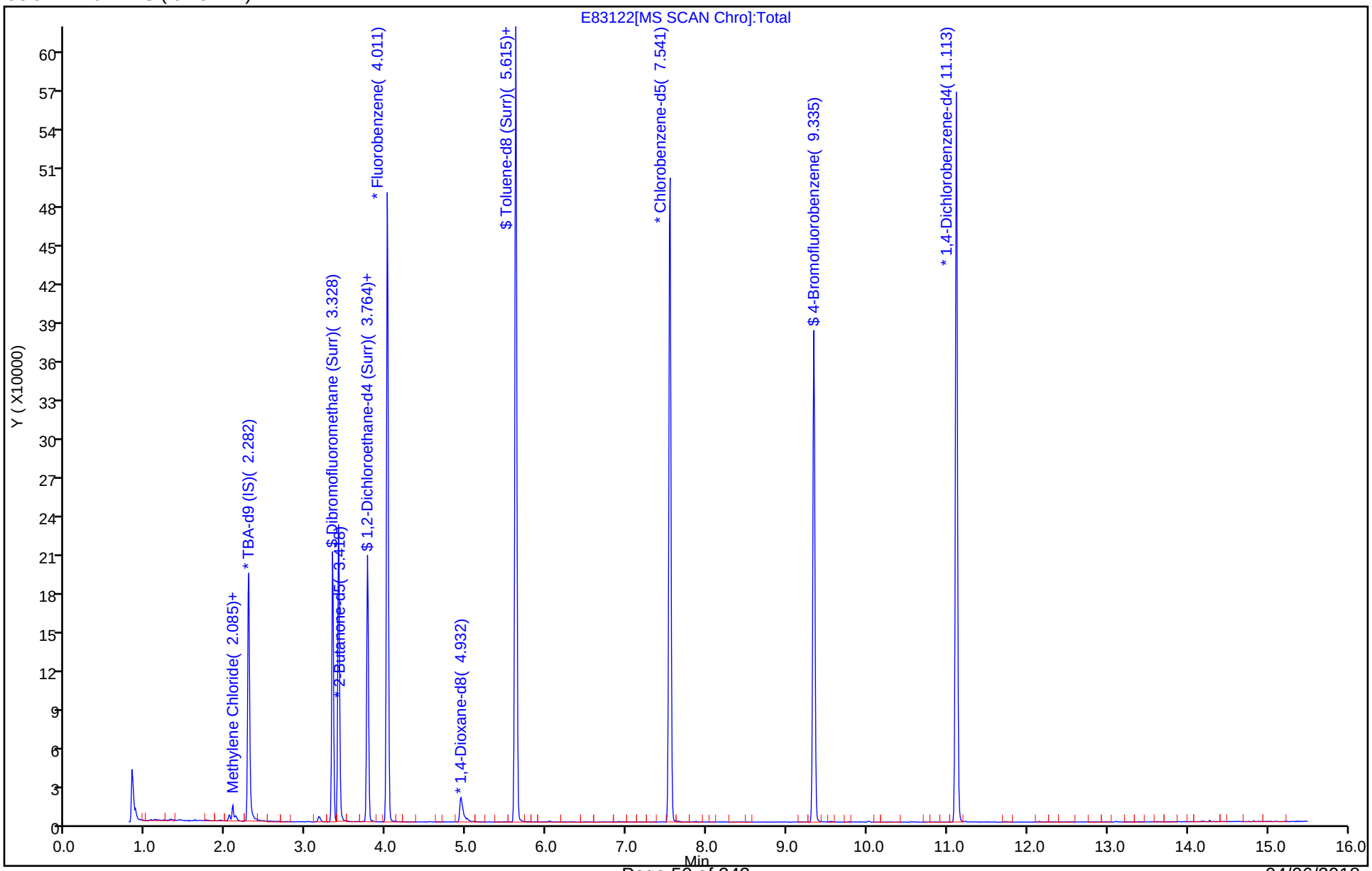
Report Date: 05-Apr-2018 15:07:25 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83122.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 03-Apr-2018 23:40:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | 460-152888-A-2 | Lab Sample ID: | 460-152888-2 | Worklist Smp#: | 31 |
| Client ID: | FB | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 30 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



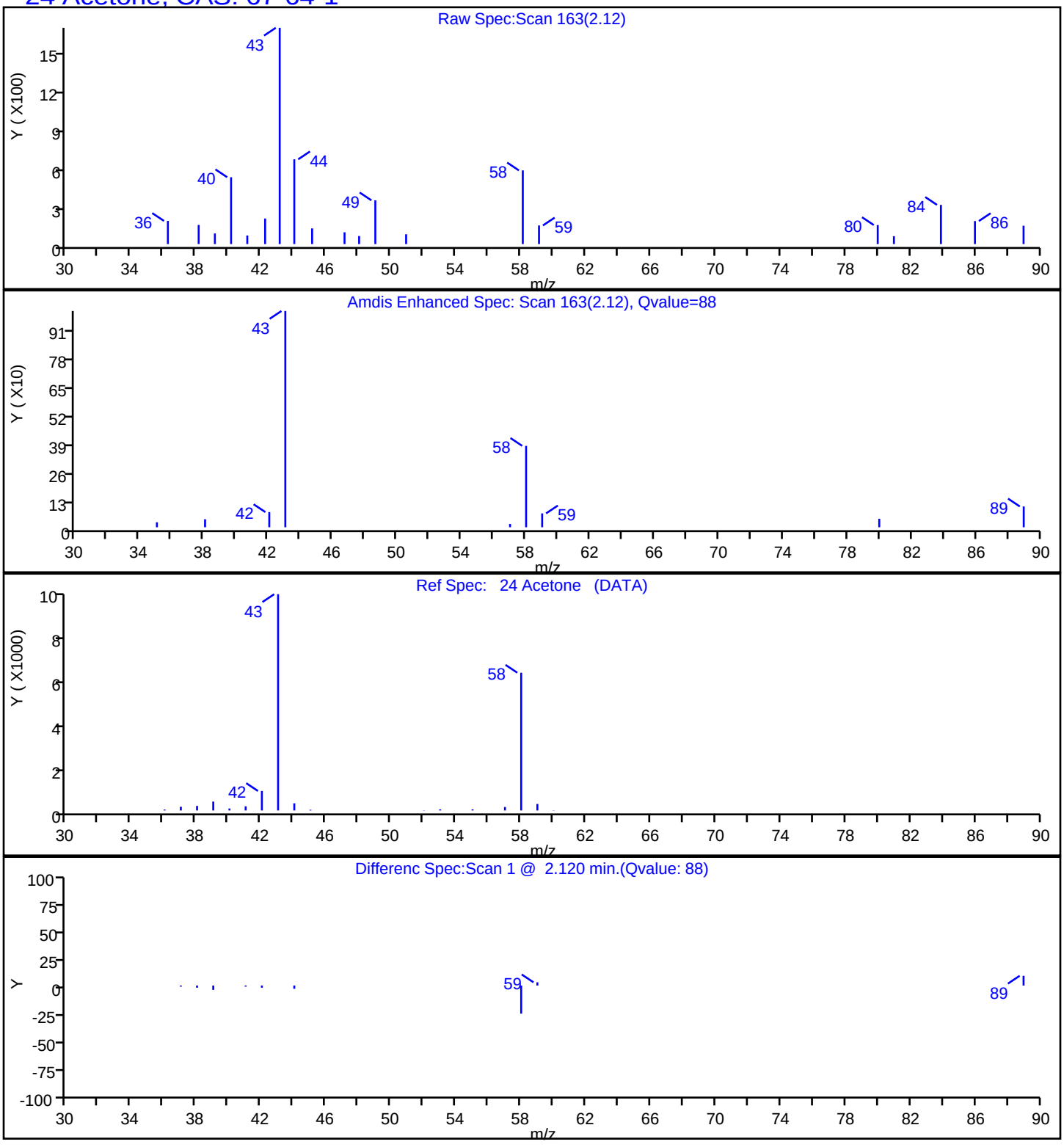
Report Date: 05-Apr-2018 15:07:25 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83122.D

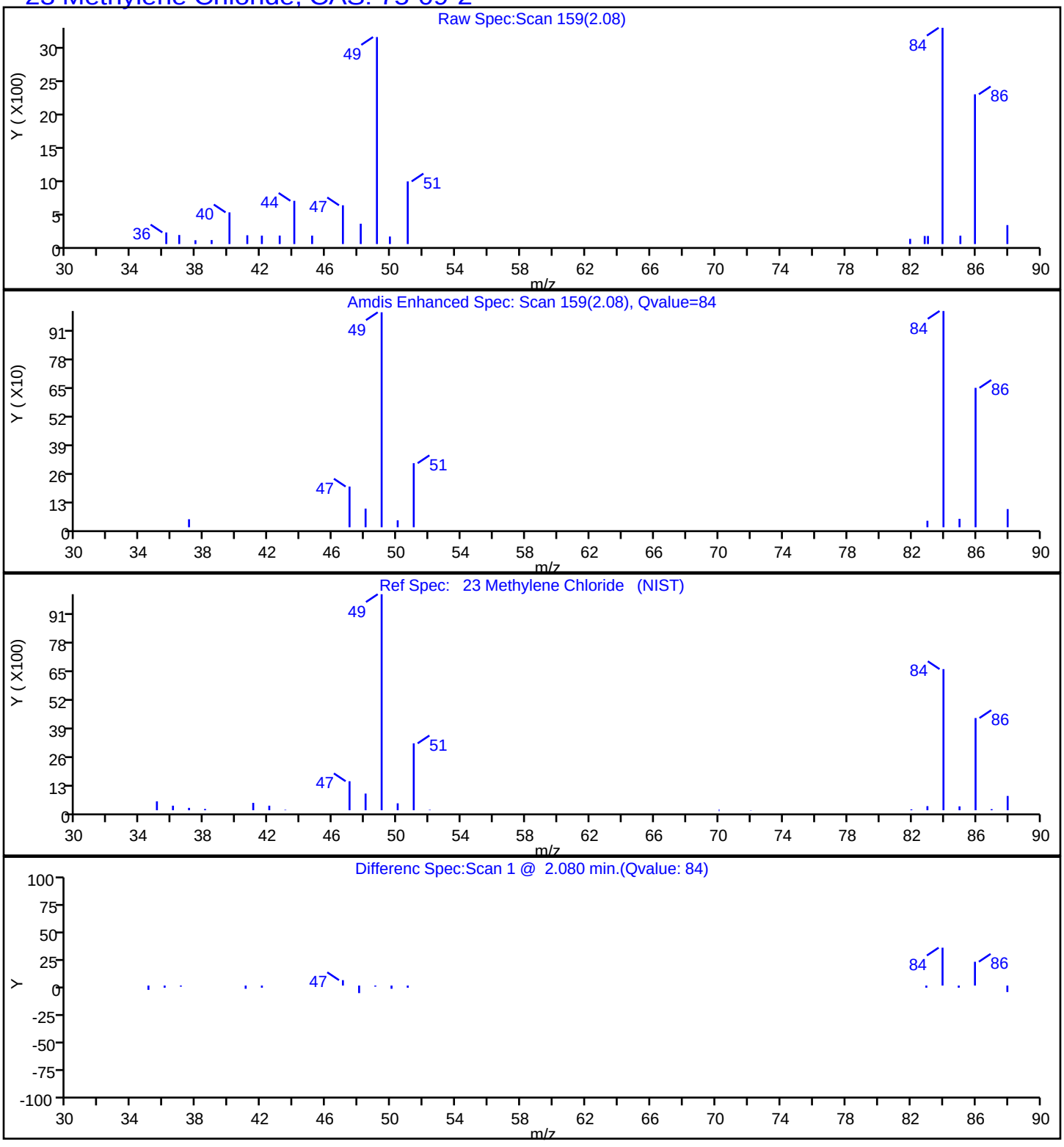
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 03-Apr-2018 23:40:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-A-2 | Lab Sample ID: | 460-152888-2 | | |
| Client ID: | FB | | | | |
| Operator ID: | | ALS Bottle#: | 30 | Worklist Smp#: | 31 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 24 Acetone, CAS: 67-64-1



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83122.D
Injection Date: 03-Apr-2018 23:40:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-A-2 Lab Sample ID: 460-152888-2
Client ID: FB
Operator ID: ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 23 Methylene Chloride, CAS: 75-09-2



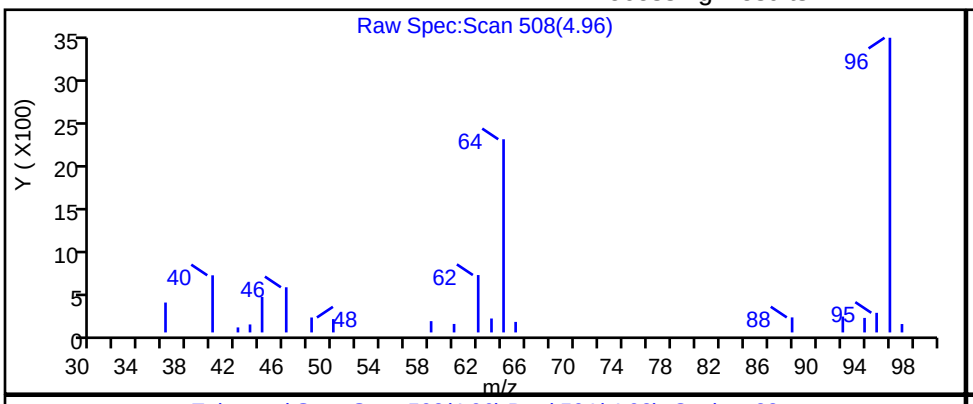
User Disabled Compound Report

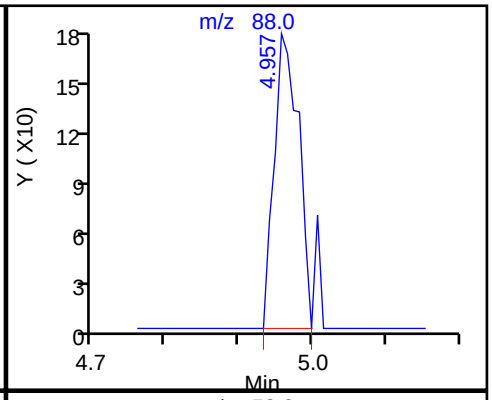
TestAmerica Edison

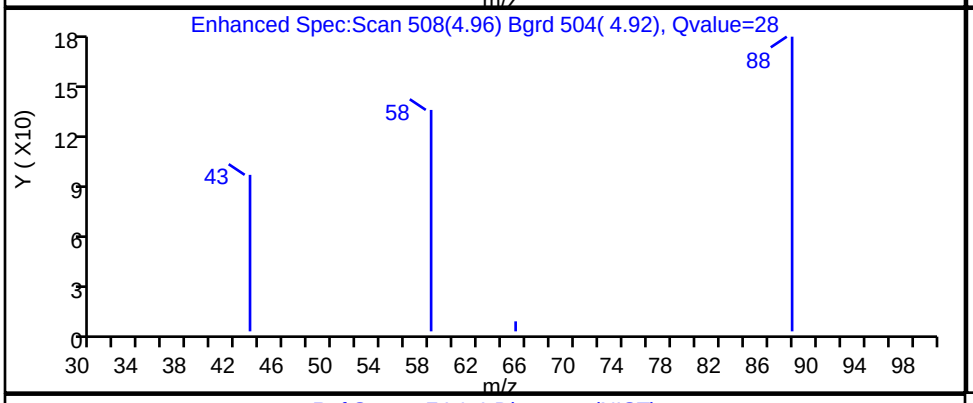
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83122.D | | | | |
| Injection Date: | 03-Apr-2018 23:40:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-A-2 | Lab Sample ID: | 460-152888-2 | | |
| Client ID: | FB | | | | |
| Operator ID: | | ALS Bottle#: | 30 | Worklist Smp#: | 31 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

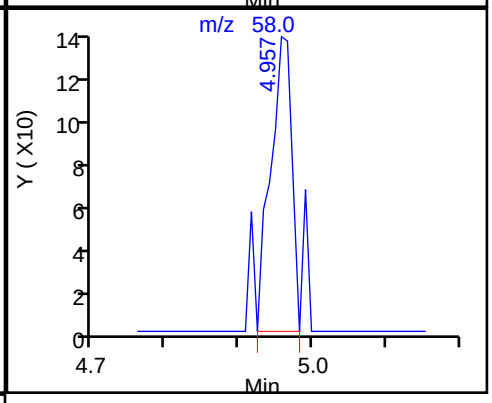
## 74 1,4-Dioxane, CAS: 123-91-1

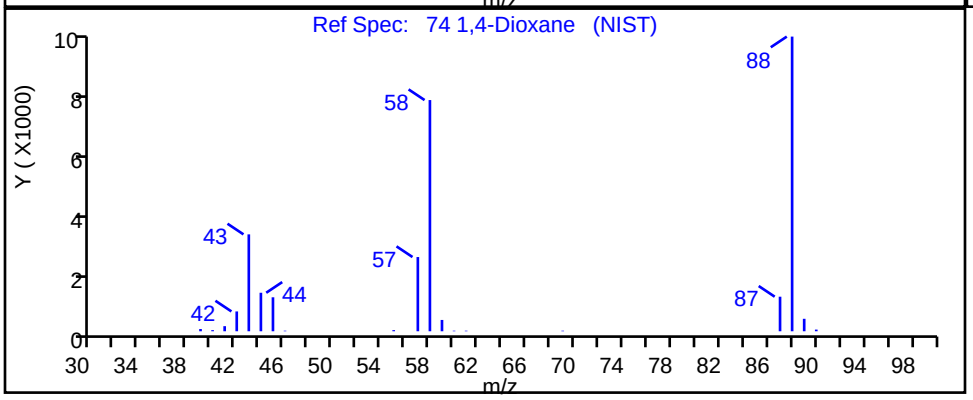
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.96 | 88.00 | 409 | 14.225103 |
| 4.96 | 58.00 | 267 | |

Reviewer: xuyvo, 05-Apr-2018 15:07:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-152888-3

Matrix: Water | Lab File ID: E83136.D

Analysis Method: 624 | Date Collected: 03/29/2018 08:40

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 05:53

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.: 508038 | 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 | 0.63 | U | 5.0 | 0.63 |
| 67-64-1 | Acetone | 6.0 | B | 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 | 0.72 | 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.: 460-152888-1

SDG No.:

Client Sample ID: MW-36  Lab Sample ID: 460-152888-3

Matrix: Water  Lab File ID: E83136.D

Analysis Method: 624  Date Collected: 03/29/2018 08:40

Sample wt/vol: 5(mL)  Date Analyzed: 04/04/2018 05:53

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.: 508038  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 113 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 106 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 115 | | 80-120 |

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

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-152888-3

Matrix: Water | Lab File ID: E83136.D

Analysis Method: 624 | Date Collected: 03/29/2018 08:40

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 05:53

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.: 508038 | 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\20180403-69754.b\E83136.D
Lims ID: 460-152888-A-3
Client ID: MW-36
Sample Type: Client
Inject. Date: 04-Apr-2018 05:53:30 ALS Bottle#: 44 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-152888-A-3
Misc. Info.: 460-0069754-045
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 05-Apr-2018 15:07:42 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: parekhv Date: 04-Apr-2018 09:36:10

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 23 Methylene Chloride | 84 | 2.085 | 2.077 | 0.008 | 84 | 1540 | 0.7161 | |
| 24 Acetone | 58 | 2.118 | 2.118 | 0.000 | 88 | 1357 | 5.97 | |
| * 29 TBA-d9 (IS) | 65 | 2.274 | 2.282 | -0.008 | 99 | 185752 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 97 | 98267 | 57.3 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 218205 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 117174 | 56.6 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 391292 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 98 | 23620 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.616 | 5.615 | 0.001 | 100 | 411306 | 48.0 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 337010 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 95 | 133631 | 52.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 182995 | 50.0 | |

## Reagents:

8260SURR250_00169 Amount Added: 1.00 Units: uL Run Reagent
8260ISNEW_00119 Amount Added: 1.00 Units: uL Run Reagent

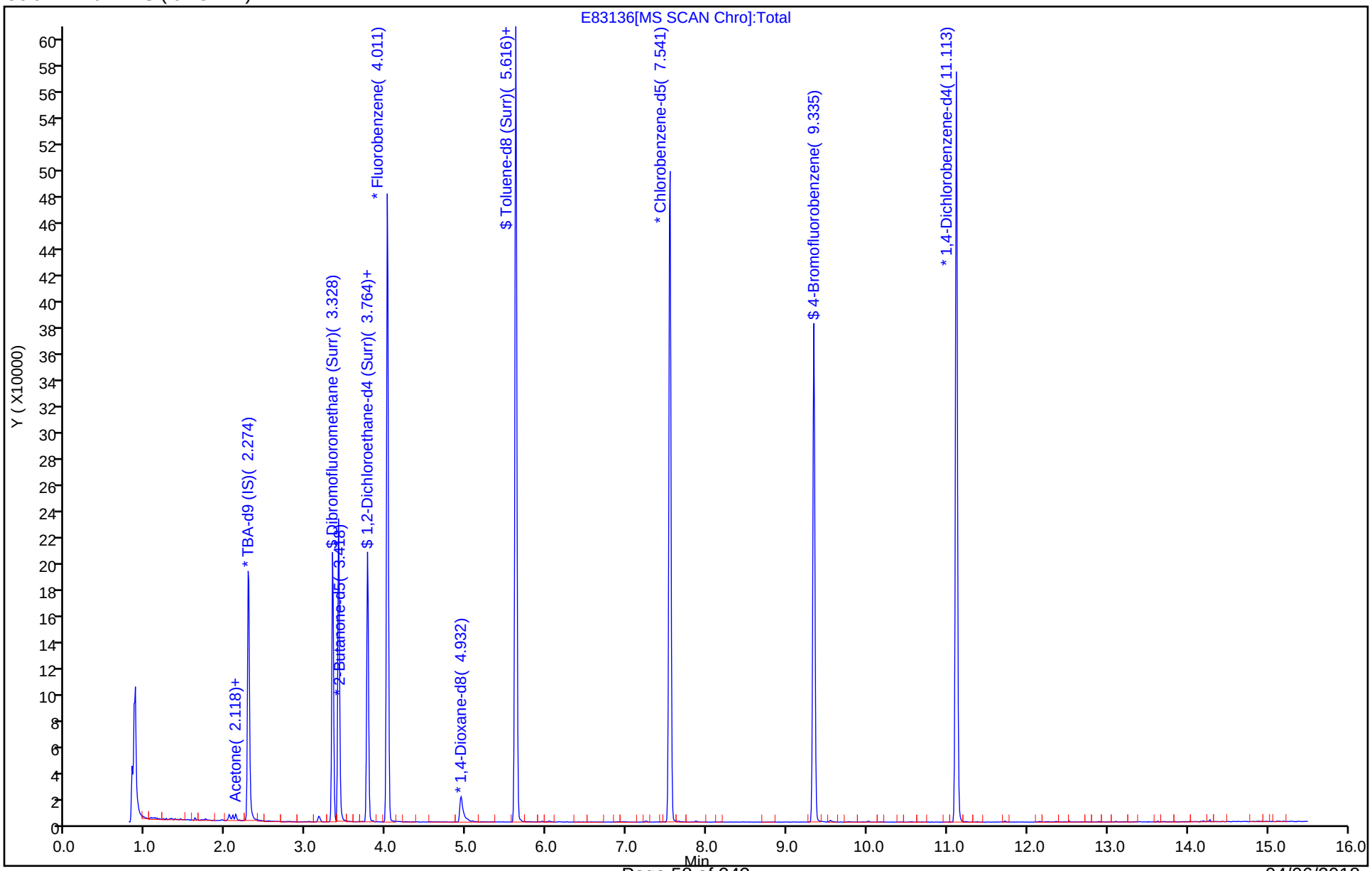
Report Date: 05-Apr-2018 15:07:43 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83136.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 05:53:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | 460-152888-A-3 | Lab Sample ID: | 460-152888-3 | Worklist Smp#: | 45 |
| Client ID: | MW-36 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 44 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



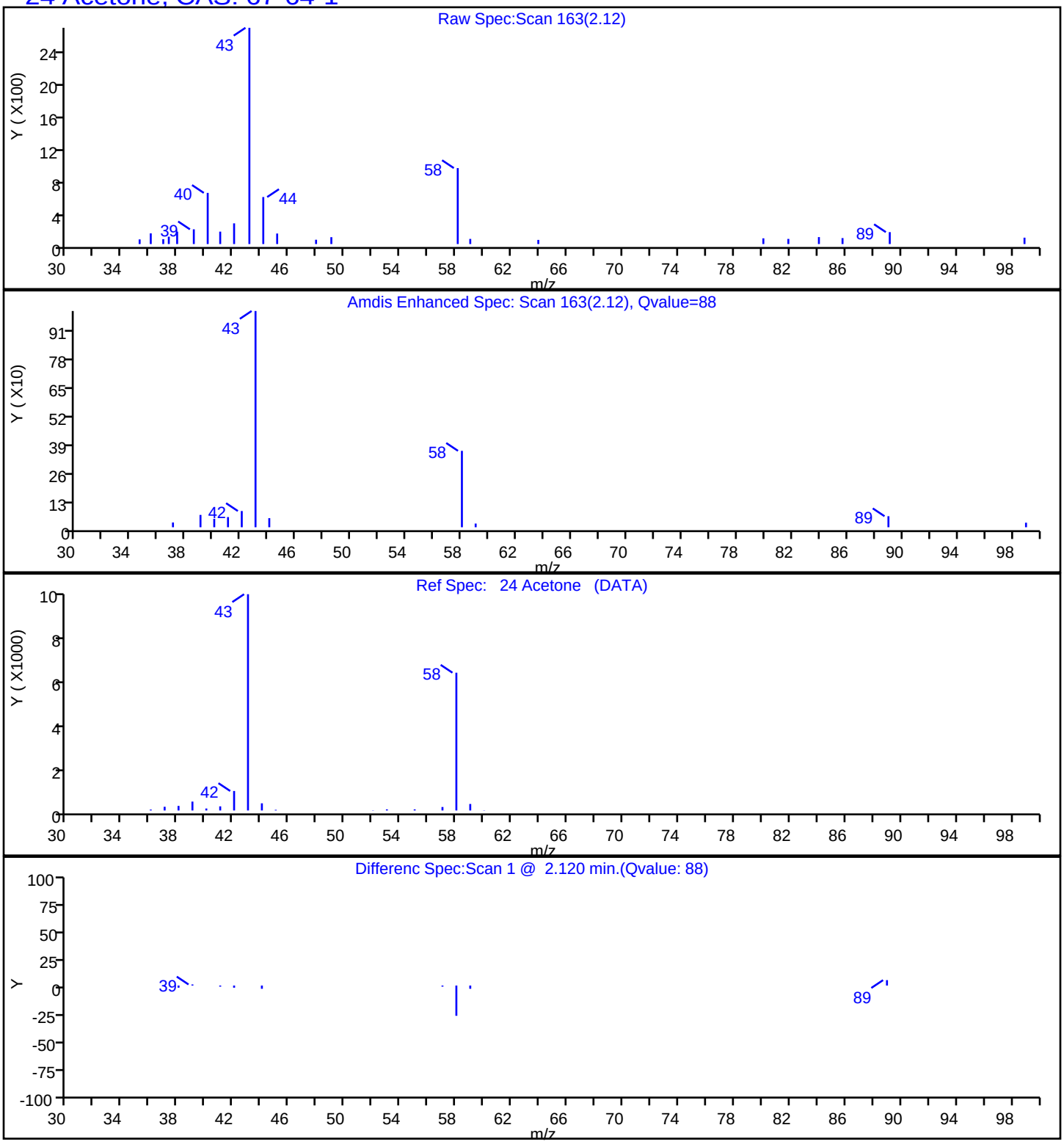
Report Date: 05-Apr-2018 15:07:43 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83136.D

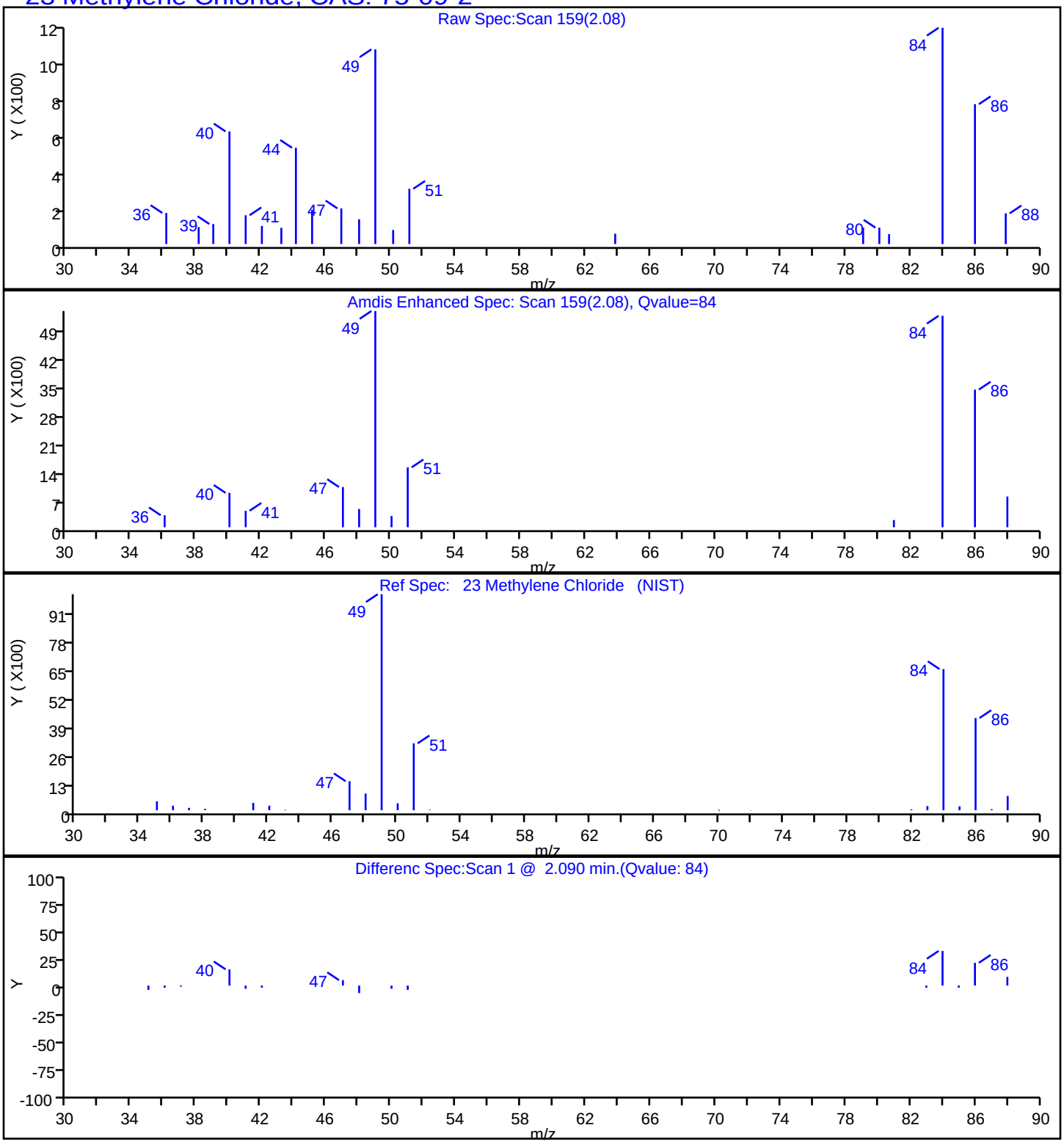
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 05:53:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-A-3 | Lab Sample ID: | 460-152888-3 | | |
| Client ID: | MW-36 | | | | |
| Operator ID: | | ALS Bottle#: | 44 | Worklist Smp#: | 45 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 24 Acetone, CAS: 67-64-1



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83136.D
Injection Date: 04-Apr-2018 05:53:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-A-3 Lab Sample ID: 460-152888-3
Client ID: MW-36
Operator ID: ALS Bottle#: 44 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 23 Methylene Chloride, CAS: 75-09-2



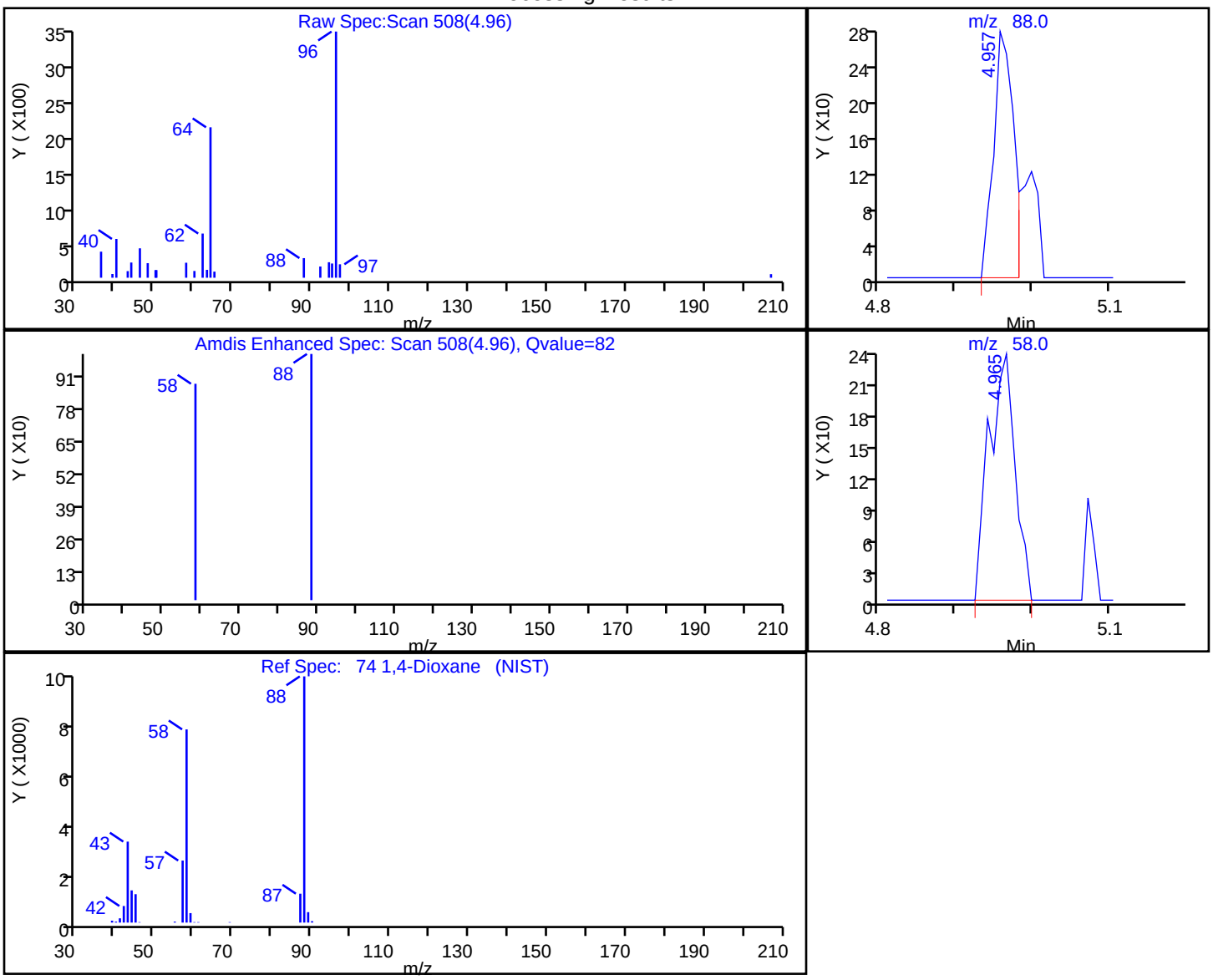
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83136.D | | | | |
| Injection Date: | 04-Apr-2018 05:53:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-A-3 | Lab Sample ID: | 460-152888-3 | | |
| Client ID: | MW-36 | | | | |
| Operator ID: | | ALS Bottle#: | 44 | Worklist Smp#: | 45 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.96 | 88.00 | 505 | 16.939373 |
| 4.97 | 58.00 | 560 | |

Reviewer: xuyvo, 05-Apr-2018 15:07:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-152888-4

Matrix: Water | Lab File ID: E83155.D

Analysis Method: 624 | Date Collected: 03/29/2018 09:25

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 14:48

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 508329 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.4 | U | 5.0 | 1.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.95 | U | 5.0 | 0.95 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.40 | U | 5.0 | 0.40 |
| 75-34-3 | 1,1-Dichloroethane | 1.2 | U | 5.0 | 1.2 |
| 75-35-4 | 1,1-Dichloroethene | 1.7 | U | 5.0 | 1.7 |
| 107-06-2 | 1,2-Dichloroethane | 1.3 | U | 5.0 | 1.3 |
| 78-87-5 | 1,2-Dichloropropane | 0.90 | U | 5.0 | 0.90 |
| 123-91-1 | 1,4-Dioxane | 44 | U | 250 | 44 |
| 78-93-3 | 2-Butanone | 11 | U | 25 | 11 |
| 591-78-6 | 2-Hexanone | 3.6 | U | 25 | 3.6 |
| 108-10-1 | 4-Methyl-2-pentanone | 3.2 | U | 25 | 3.2 |
| 67-64-1 | Acetone | 11 | J B | 25 | 5.4 |
| 71-43-2 | Benzene | 24 | | 5.0 | 0.45 |
| 75-27-4 | Bromodichloromethane | 0.75 | U | 5.0 | 0.75 |
| 75-25-2 | Bromoform | 0.90 | U | 5.0 | 0.90 |
| 74-83-9 | Bromomethane | 0.90 | U | 5.0 | 0.90 |
| 75-15-0 | Carbon disulfide | 1.1 | U | 5.0 | 1.1 |
| 56-23-5 | Carbon tetrachloride | 1.7 | U | 5.0 | 1.7 |
| 108-90-7 | Chlorobenzene | 140 | | 5.0 | 1.2 |
| 75-00-3 | Chloroethane | 920 | | 5.0 | 1.9 |
| 67-66-3 | Chloroform | 1.1 | U | 5.0 | 1.1 |
| 74-87-3 | Chloromethane | 1.1 | U | 5.0 | 1.1 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.3 | U | 5.0 | 1.3 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.80 | U | 5.0 | 0.80 |
| 124-48-1 | Dibromochloromethane | 1.1 | U | 5.0 | 1.1 |
| 100-41-4 | Ethylbenzene | 1.5 | U | 5.0 | 1.5 |
| 75-09-2 | Methylene Chloride | 1.9 | J | 5.0 | 1.1 |
| 100-42-5 | Styrene | 0.85 | U | 5.0 | 0.85 |
| 127-18-4 | Tetrachloroethene | 0.60 | U | 5.0 | 0.60 |
| 108-88-3 | Toluene | 6.3 | | 5.0 | 1.3 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.90 | U | 5.0 | 0.90 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.95 | U | 5.0 | 0.95 |
| 79-01-6 | Trichloroethene | 1.1 | U | 5.0 | 1.1 |
| 75-01-4 | Vinyl chloride | 0.30 | U | 5.0 | 0.30 |
| 1330-20-7 | Xylenes, Total | 1.4 | U | 10 | 1.4 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Client Sample ID: MW-31 Lab Sample ID: 460-152888-4

Matrix: Water Lab File ID: E83155.D

Analysis Method: 624 Date Collected: 03/29/2018 09:25

Sample wt/vol: 5(mL) Date Analyzed: 04/04/2018 14:48

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 508329 Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 113 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 106 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 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.: 460-152888-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-152888-4

Matrix: Water | Lab File ID: E83155.D

Analysis Method: 624 | Date Collected: 03/29/2018 09:25

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 14:48

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 508329 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 29

| CAS NO. | COMPOUND NAME | RT | RESULT | Q | MATCH QUALITY |
|---|---|---|---|---|---|
| 60-29-7 | Ethyl ether | 1.61 | 29 | J N | 90% |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D
Lims ID: 460-152888-B-4
Client ID: MW-31
Sample Type: Client
Inject. Date: 04-Apr-2018 14:48:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 460-152888-B-6
Misc. Info.: 460-0069809-013
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 05-Apr-2018 15:05:05 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: parekhv Date: 04-Apr-2018 15:47:27

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 7 Chloroethane | 64 | 1.352 | 1.344 | 0.008 | 99 | 126549 | 183.7 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 89 | 822 | 0.3721 | |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 90 | 506 | 2.21 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 98 | 189691 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 100465 | 57.0 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 219634 | 250.0 | |
| 54 Benzene | 78 | 3.649 | 3.649 | 0.000 | 95 | 46225 | 4.81 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 97 | 119993 | 56.4 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 100 | 401945 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 98 | 24800 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 424459 | 48.0 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 95 | 13023 | 1.26 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 86 | 347376 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 191346 | 28.3 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 0 | 137822 | 53.0 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 187236 | 50.0 | |

## Reagents:

8260SURR250_00169 Amount Added: 1.00 Units: uL Run Reagent
8260ISNEW_00119 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D | | | | |
| Lims ID: | 460-152888-B-4 | | | | |
| Client ID: | MW-31 | | | | |
| Sample Type: | Client | | | | |
| Inject. Date: | 04-Apr-2018 14:48:30 | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | | |
| Sample Info: | 460-152888-B-6 | | | | |
| Misc. Info.: | 460-0069809-013 | | | | |
| Operator ID: | | Instrument ID: | CVOAMS5 | | |
| Method: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m | | | | |
| Limit Group: | VOA 624 ICAL | | | | |
| Last Update: | 05-Apr-2018 15:05:05 | Calib Date: | 17-Mar-2018 12:52:30 | | |
| 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: | XAWRK025 | | | | |
| First Level Reviewer: parekhv | | Date: | 04-Apr-2018 15:47:27 | | |

Tentative Identified Compound Results

| RT | Area | Amount ug/l | Quant Cpnd | Qual | Lib Entry | Molecular Formula | Mol. Weight | Flags |
|---|---|---|---|---|---|---|---|---|
| 60-29-7 Ethyl ether | | | | | | | | |
| 1.608 | 92516 | 5.90 | 61 | 90 | 824 | C4H10O | 74 | |

Quantitation Compounds

| Compound | RT | Area | Amount ug/l |
|---|---|---|---|
| * 61 Fluorobenzene | 4.011 | 784550 | 50.0 |

## QC Flag Legend

Processing Flags

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

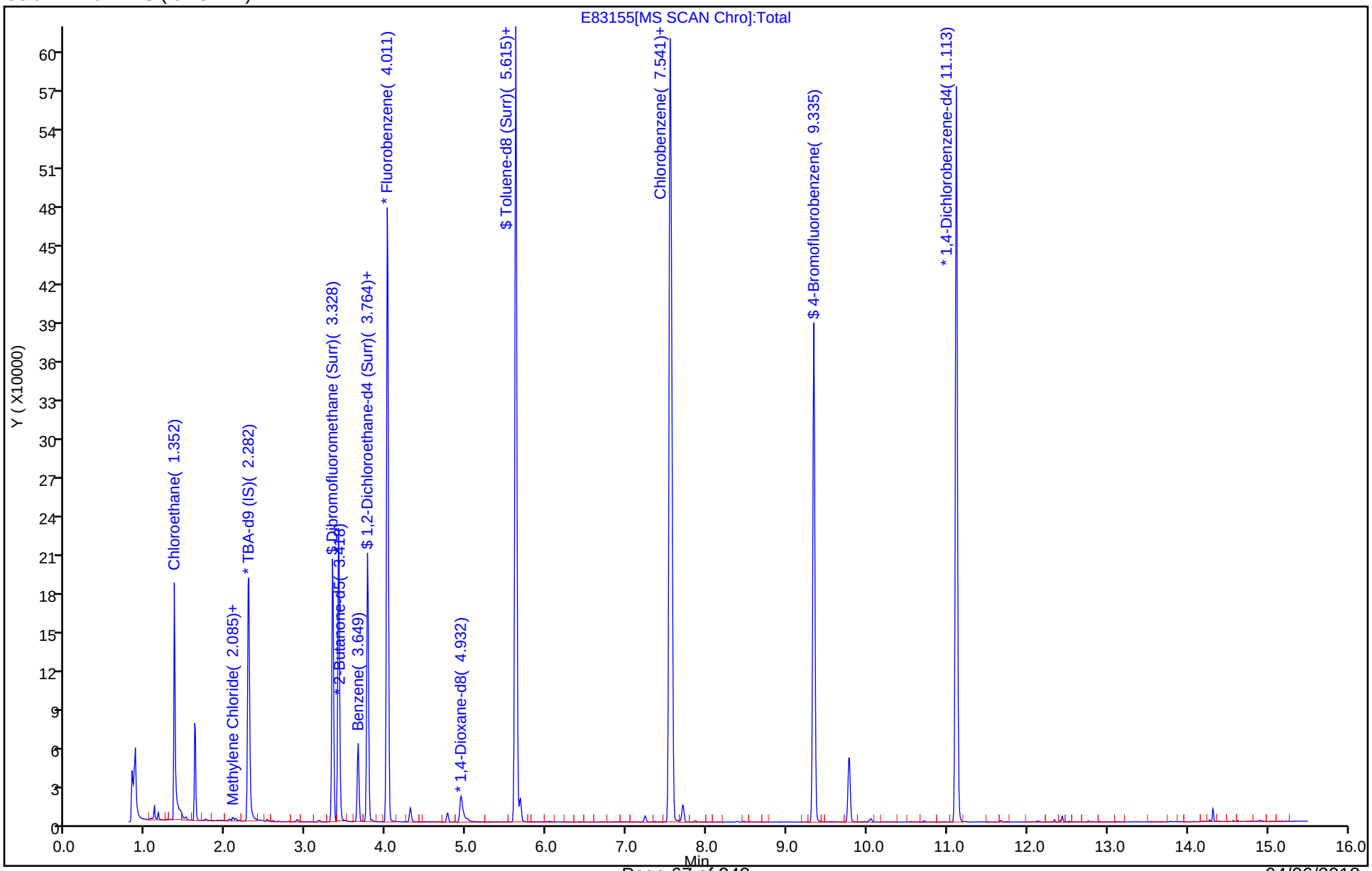
Report Date: 05-Apr-2018 15:05:05 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:48:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | 460-152888-B-4 | Lab Sample ID: | 460-152888-4 | Worklist Smp#: | 13 |
| Client ID: | MW-31 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | ALS Bottle#: | 12 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

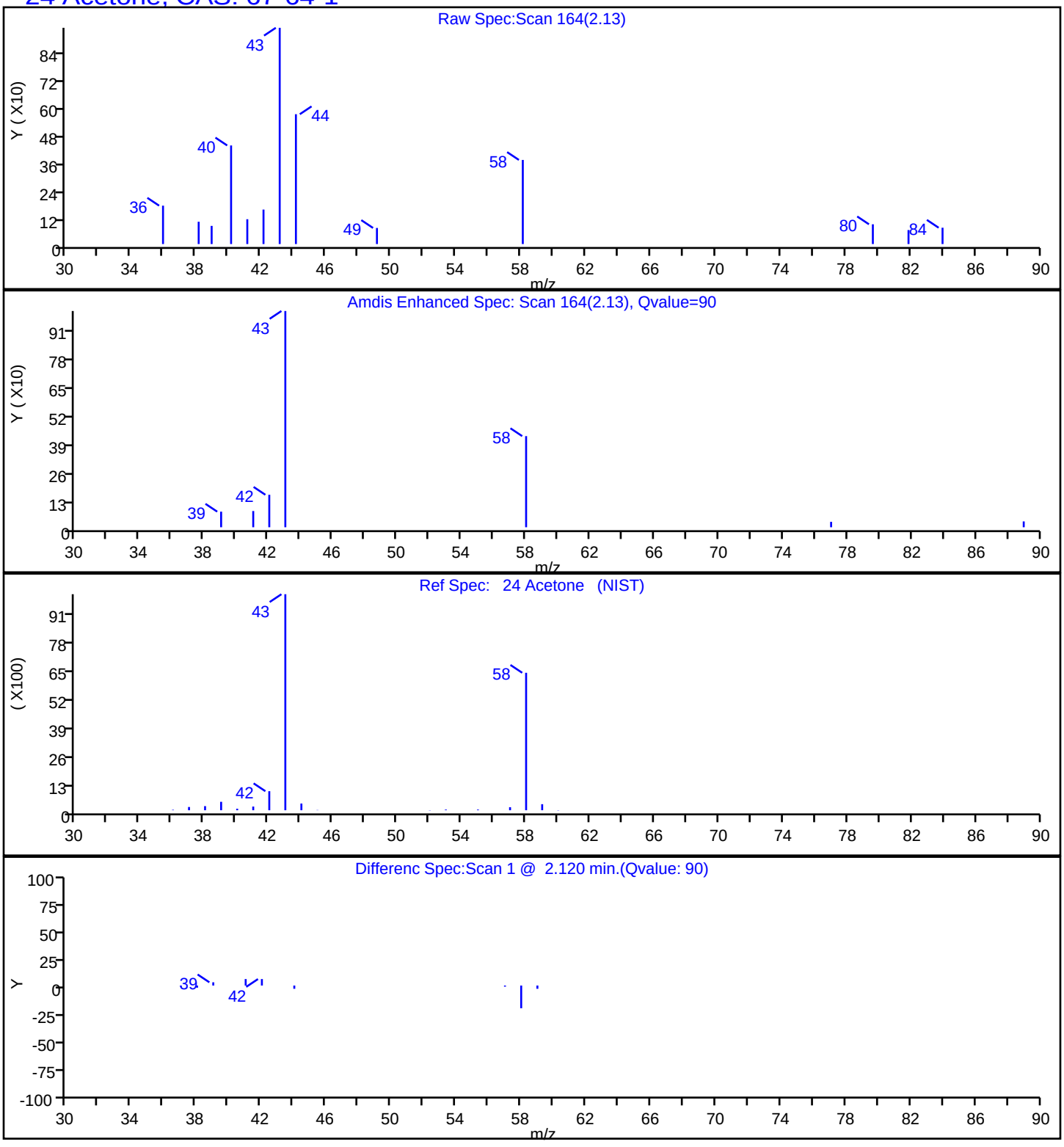
Column: Rtx-VMS ( 0.18 mm)



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D

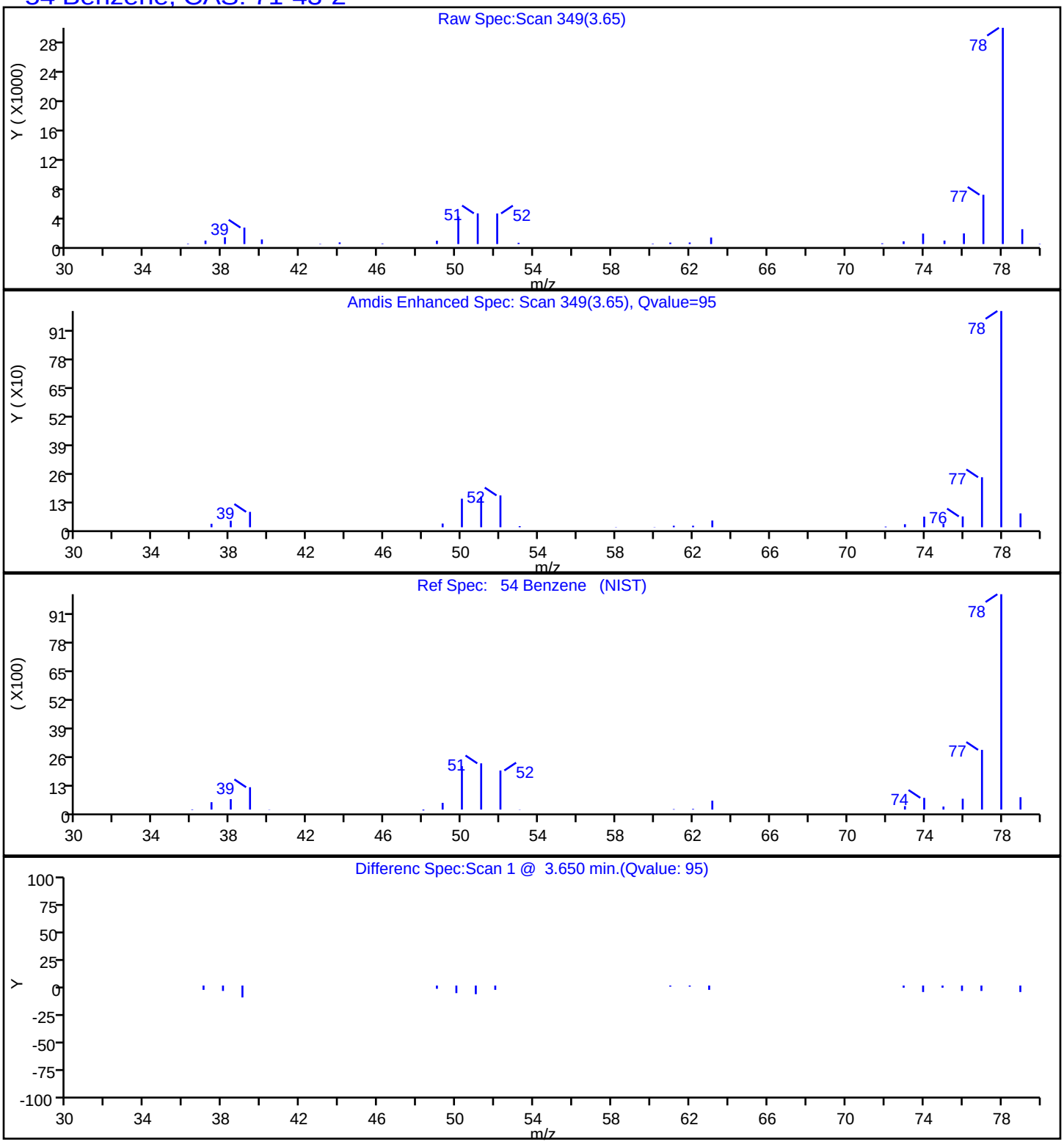
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:48:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-4 | Lab Sample ID: | 460-152888-4 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 24 Acetone, CAS: 67-64-1



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D
Injection Date: 04-Apr-2018 14:48:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-B-4 Lab Sample ID: 460-152888-4
Client ID: MW-31
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

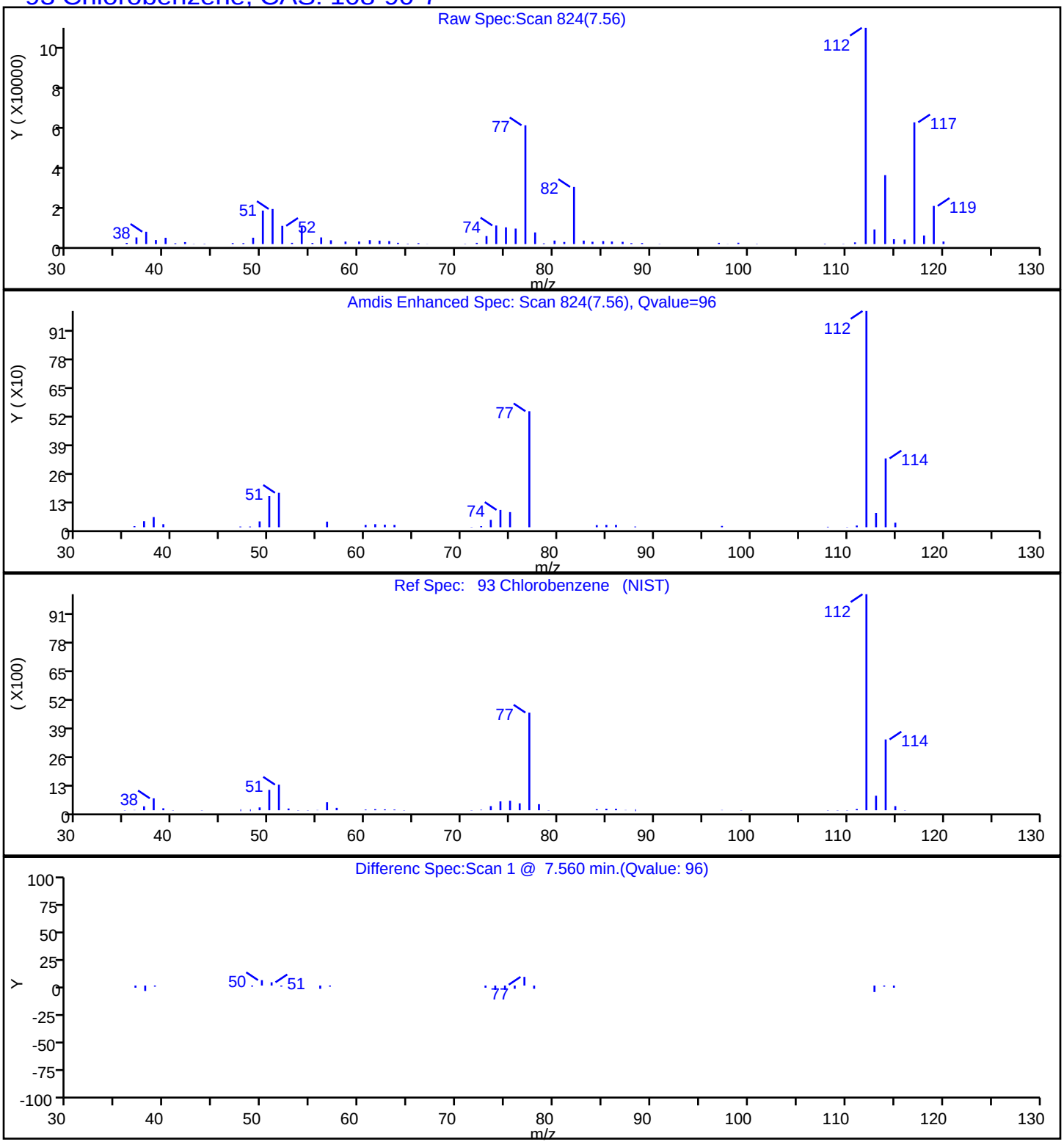
## 54 Benzene, CAS: 71-43-2



TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D | | | | |
| Injection Date: | 04-Apr-2018 14:48:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-4 | Lab Sample ID: | 460-152888-4 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

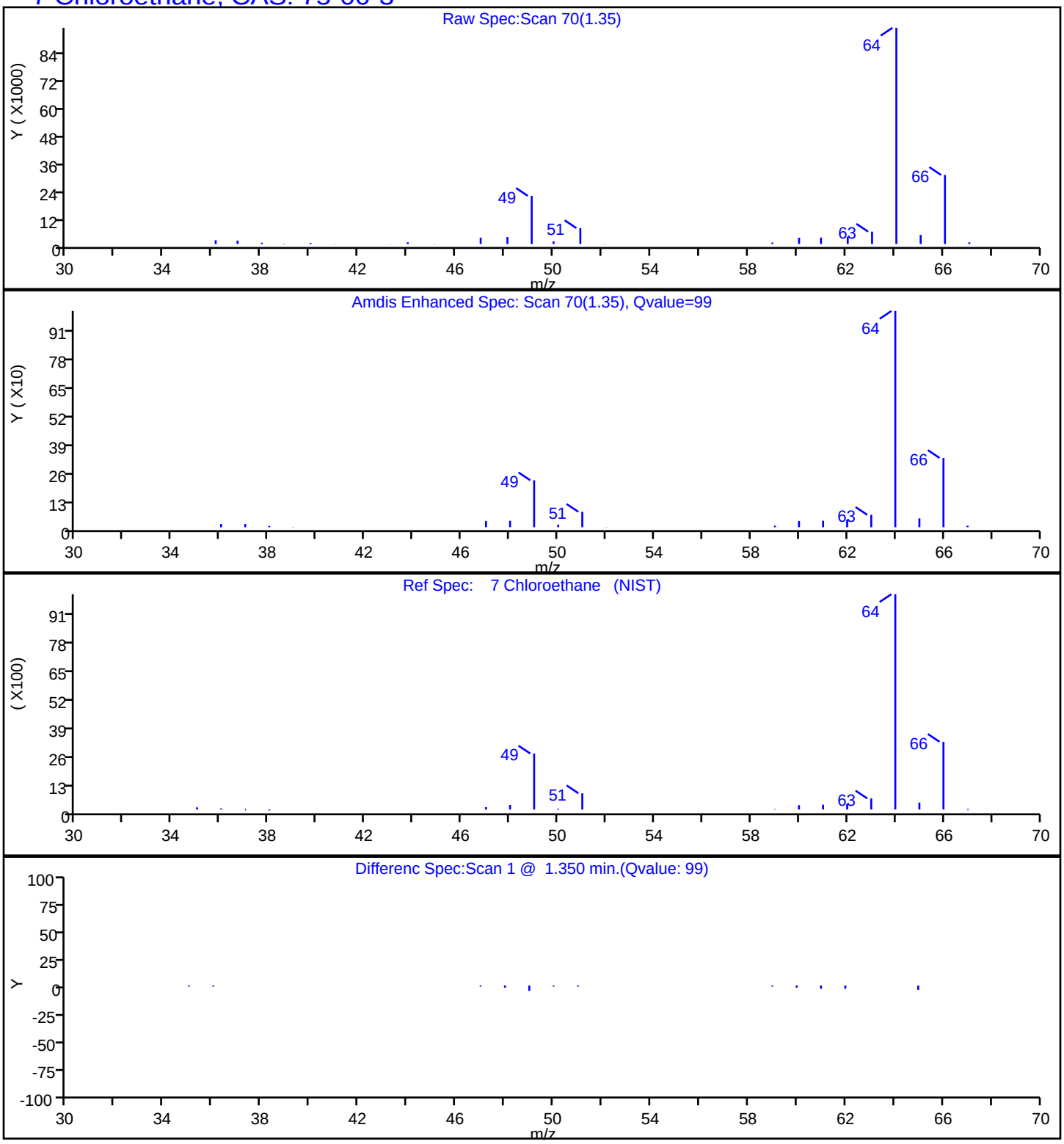
## 93 Chlorobenzene, CAS: 108-90-7



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D

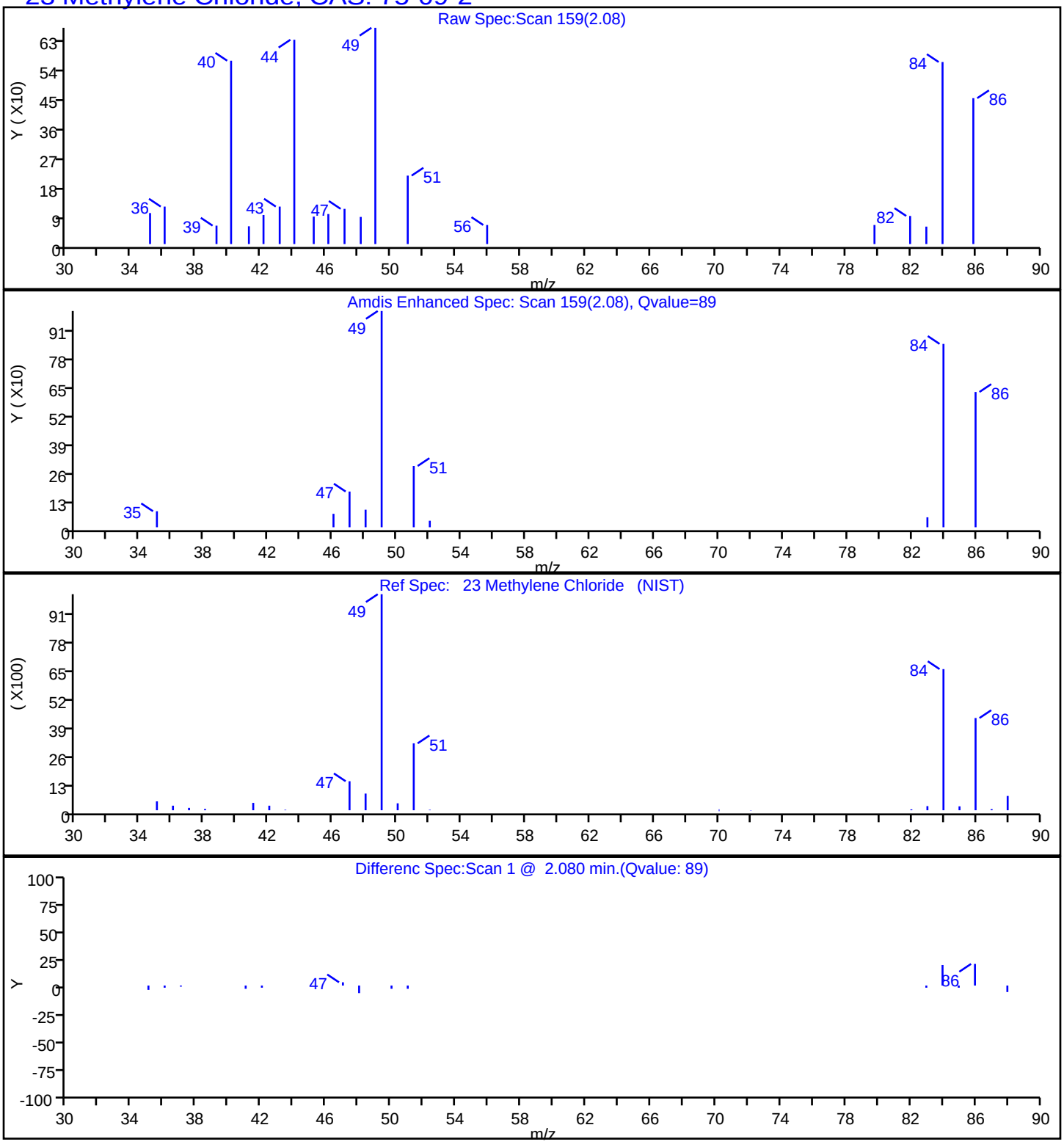
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:48:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-4 | Lab Sample ID: | 460-152888-4 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 7 Chloroethane, CAS: 75-00-3



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D
Injection Date: 04-Apr-2018 14:48:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-B-4 Lab Sample ID: 460-152888-4
Client ID: MW-31
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

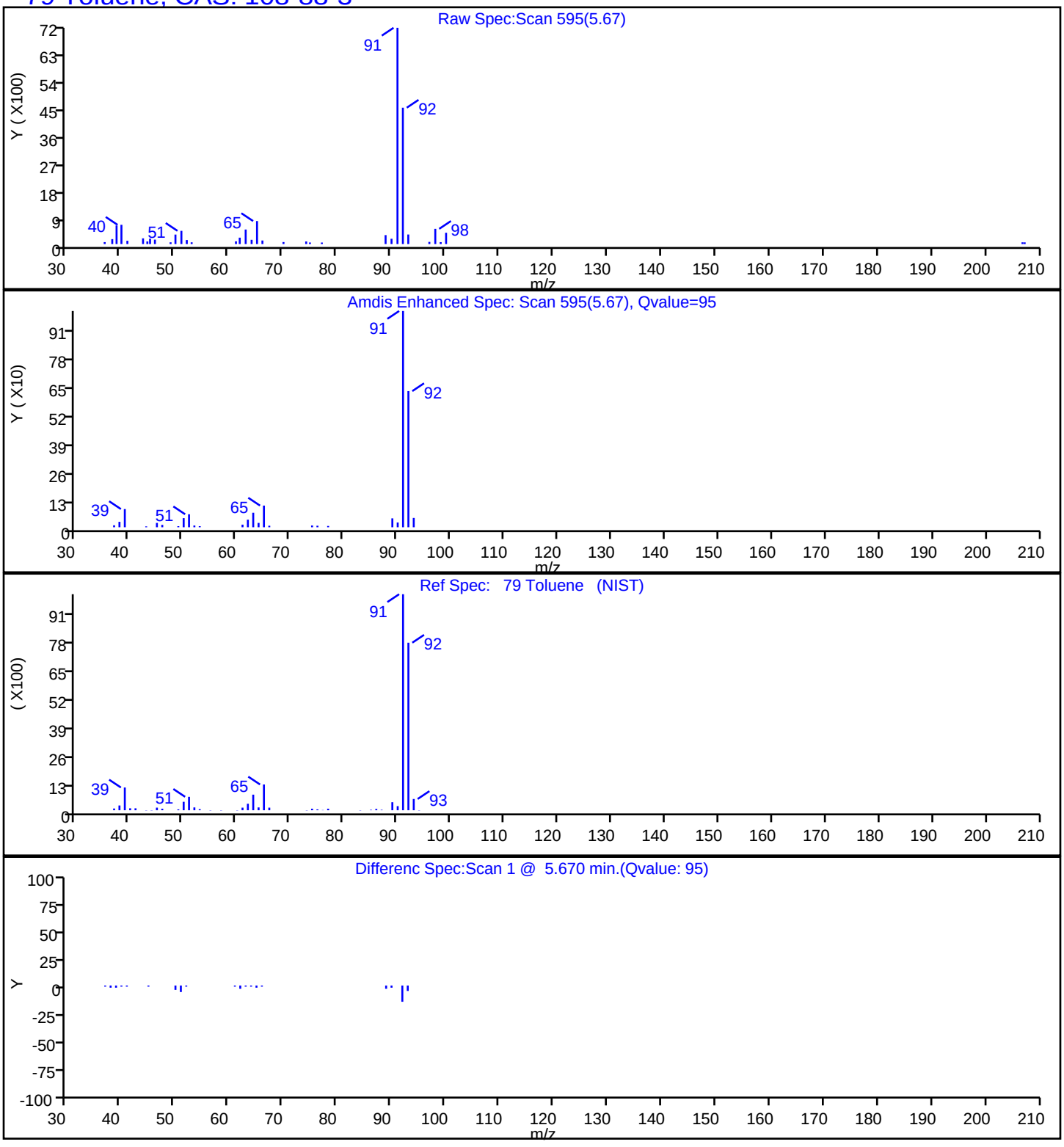
## 23 Methylene Chloride, CAS: 75-09-2



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:48:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-4 | Lab Sample ID: | 460-152888-4 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 79 Toluene, CAS: 108-88-3



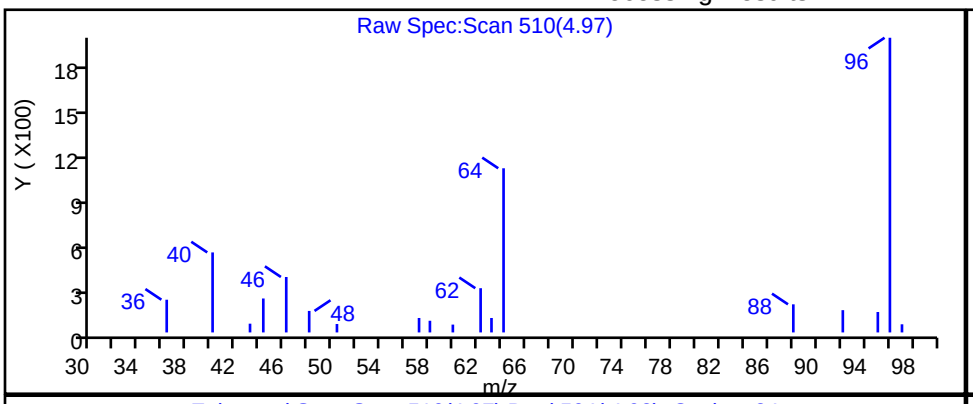
User Disabled Compound Report

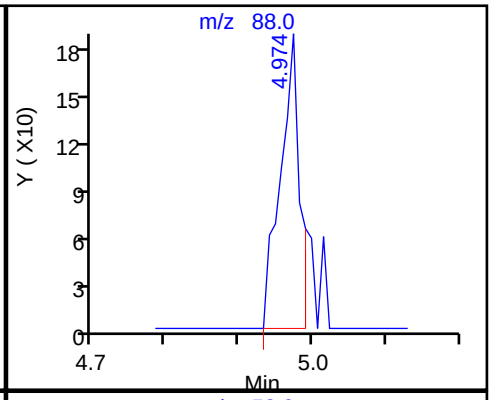
TestAmerica Edison

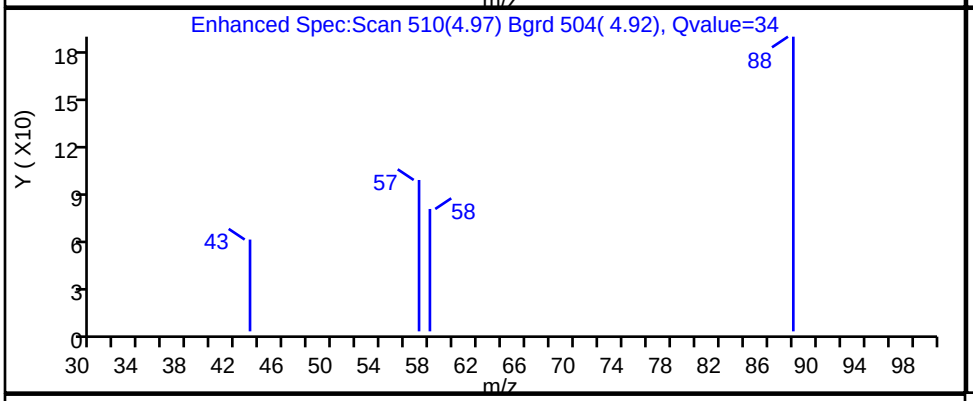
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D | | | | |
| Injection Date: | 04-Apr-2018 14:48:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-4 | Lab Sample ID: | 460-152888-4 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

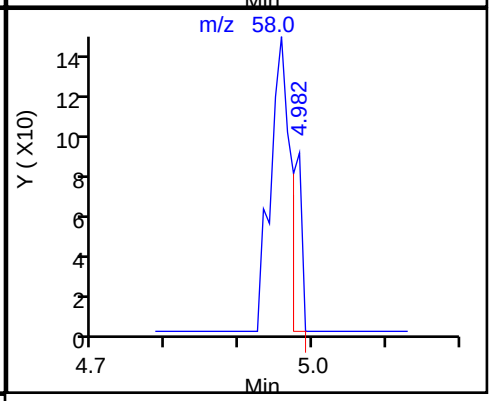
## 74 1,4-Dioxane, CAS: 123-91-1

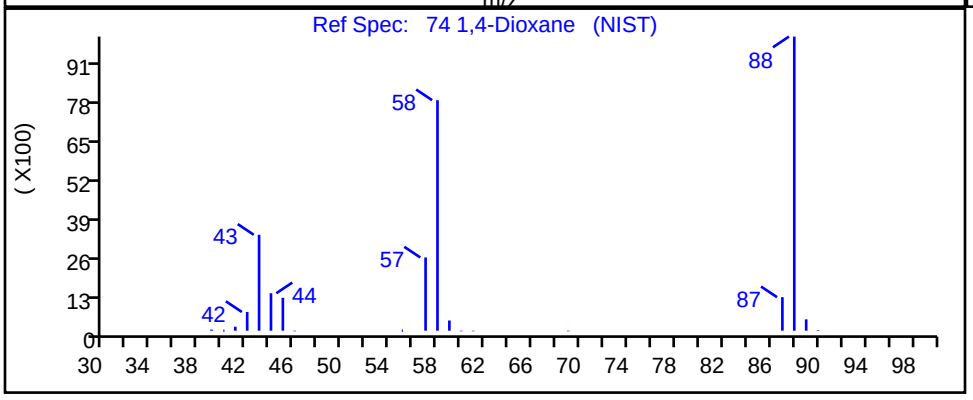
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.97 | 88.00 | 334 | 10.670398 |
| 4.98 | 58.00 | 80 | |

Reviewer: xuyvo, 05-Apr-2018 15:05:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

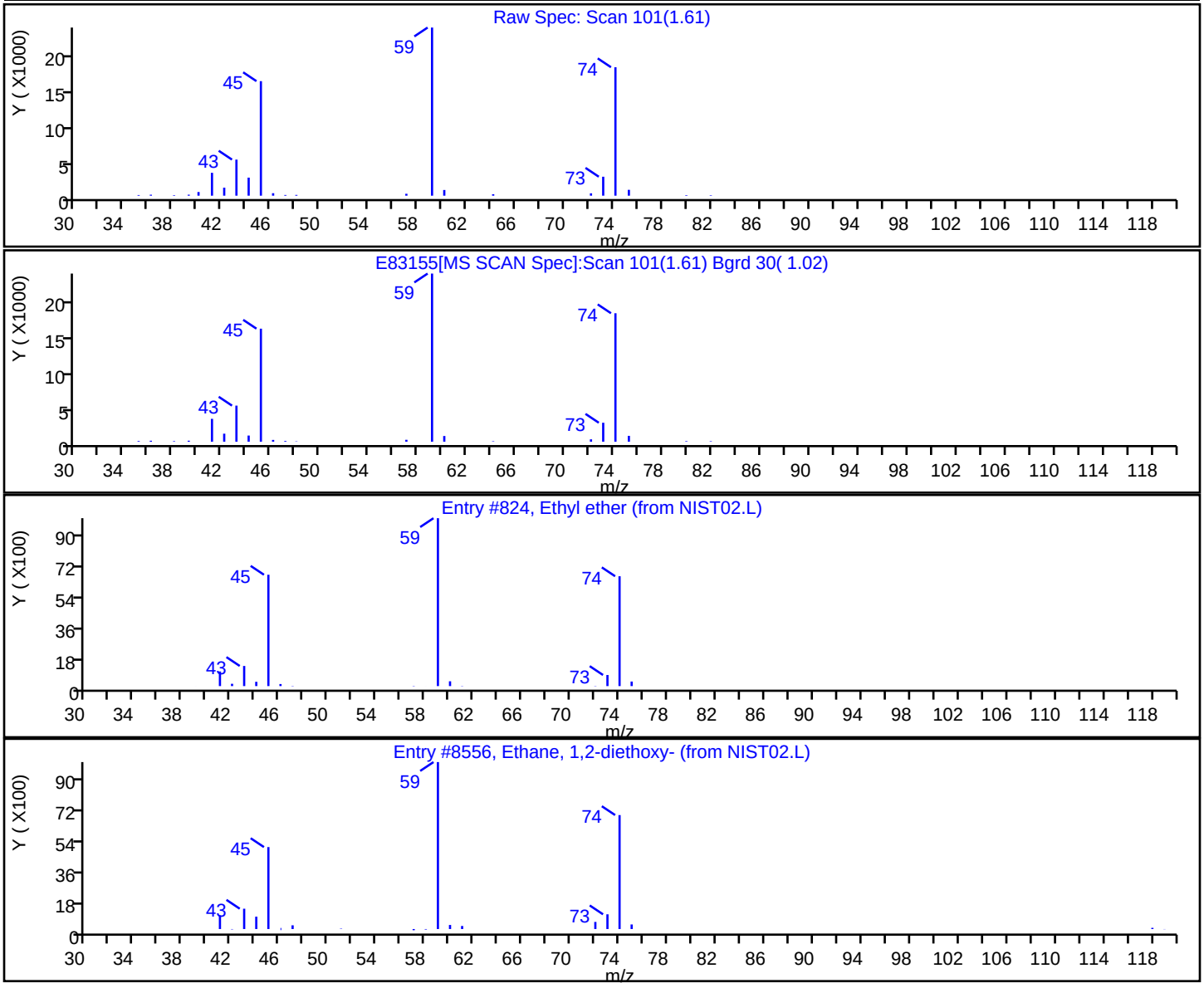
Report Date: 05-Apr-2018 15:05:06 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83155.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:48:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-4 | Lab Sample ID: | 460-152888-4 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 5.0000 | | |
| Method: | 8260W_5 | 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 |
| Ethane, 1,2-diethoxy- | 629-14-1 | NIST02.L | 8556 | C6H14O2 | 118 | 56 |



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-152888-5

Matrix: Water | Lab File ID: E83154.D

Analysis Method: 624 | Date Collected: 03/29/2018 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 14:22

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.: 508329 | 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 | 0.87 | 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 | 0.63 | U | 5.0 | 0.63 |
| 67-64-1 | Acetone | 1.8 | J B | 5.0 | 1.1 |
| 71-43-2 | Benzene | 4.2 | | 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 | 66 | | 1.0 | 0.24 |
| 75-00-3 | Chloroethane | 1.3 | | 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 | 1.2 | | 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 | 0.29 | 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.: 460-152888-1

SDG No.:

Client Sample ID: MW-71 Lab Sample ID: 460-152888-5

Matrix: Water Lab File ID: E83154.D

Analysis Method: 624 Date Collected: 03/29/2018 09:50

Sample wt/vol: 5(mL) Date Analyzed: 04/04/2018 14:22

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.: 508329 Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 109 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 108 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 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.: 460-152888-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-152888-5

Matrix: Water | Lab File ID: E83154.D

Analysis Method: 624 | Date Collected: 03/29/2018 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 14:22

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.: 508329 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 12

| CAS NO. | COMPOUND NAME | RT | RESULT | Q | MATCH QUALITY |
|---|---|---|---|---|---|
| 60-29-7 | Ethyl ether | 1.61 | 12 | J N | 90% |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D
Lims ID: 460-152888-B-5
Client ID: MW-71
Sample Type: Client
Inject. Date: 04-Apr-2018 14:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-152888-B-5
Misc. Info.: 460-0069809-012
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 05-Apr-2018 15:04:56 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: parekhv Date: 04-Apr-2018 15:22:51

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 7 Chloroethane | 64 | 1.353 | 1.344 | 0.008 | 97 | 861 | 1.30 | M |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 87 | 2572 | 1.16 | |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 70 | 398 | 1.82 | |
| * 29 TBA-d9 (IS) | 65 | 2.274 | 2.282 | -0.008 | 98 | 182816 | 1000.0 | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 100 | 3220 | 0.8708 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 100608 | 56.9 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 209722 | 250.0 | |
| 54 Benzene | 78 | 3.649 | 3.649 | 0.000 | 94 | 39911 | 4.18 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 95 | 116319 | 54.5 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 100 | 403481 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 98 | 22830 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 427705 | 48.8 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 90 | 2964 | 0.2886 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 344956 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 440343 | 65.6 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 0 | 139196 | 53.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 190480 | 50.0 | |

## QC Flag Legend

Review Flags
M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

TestAmerica Edison
Tentatively Identified Quantitation Report

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D | | | | |
| Lims ID: | 460-152888-B-5 | | | | |
| Client ID: | MW-71 | | | | |
| Sample Type: | Client | | | | |
| Inject. Date: | 04-Apr-2018 14:22:30 | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Sample Info: | 460-152888-B-5 | | | | |
| Misc. Info.: | 460-0069809-012 | | | | |
| Operator ID: | | Instrument ID: | CVOAMS5 | | |
| Method: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m | | | | |
| Limit Group: | VOA 624 ICAL | | | | |
| Last Update: | 05-Apr-2018 15:04:56 | Calib Date: | 17-Mar-2018 12:52:30 | | |
| 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: | XAWRK025 | | | | |
| First Level Reviewer: parekhv | | Date: | 04-Apr-2018 15:22:51 | | |

Tentative Identified Compound Results

| RT | Area | Amount ug/l | Quant Cpnd | Qual | Lib Entry | Molecular Formula | Mol. Weight | Flags |
|---|---|---|---|---|---|---|---|---|
| 60-29-7 Ethyl ether | | | | | | | | |
| 1.608 | 191367 | 12.2 | 61 | 90 | 824 | C4H10O | 74 | |

Quantitation Compounds

| Compound | RT | Area | Amount ug/l |
|---|---|---|---|
| * 61 Fluorobenzene | 4.011 | 786101 | 50.0 |

## QC Flag Legend

Processing Flags

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

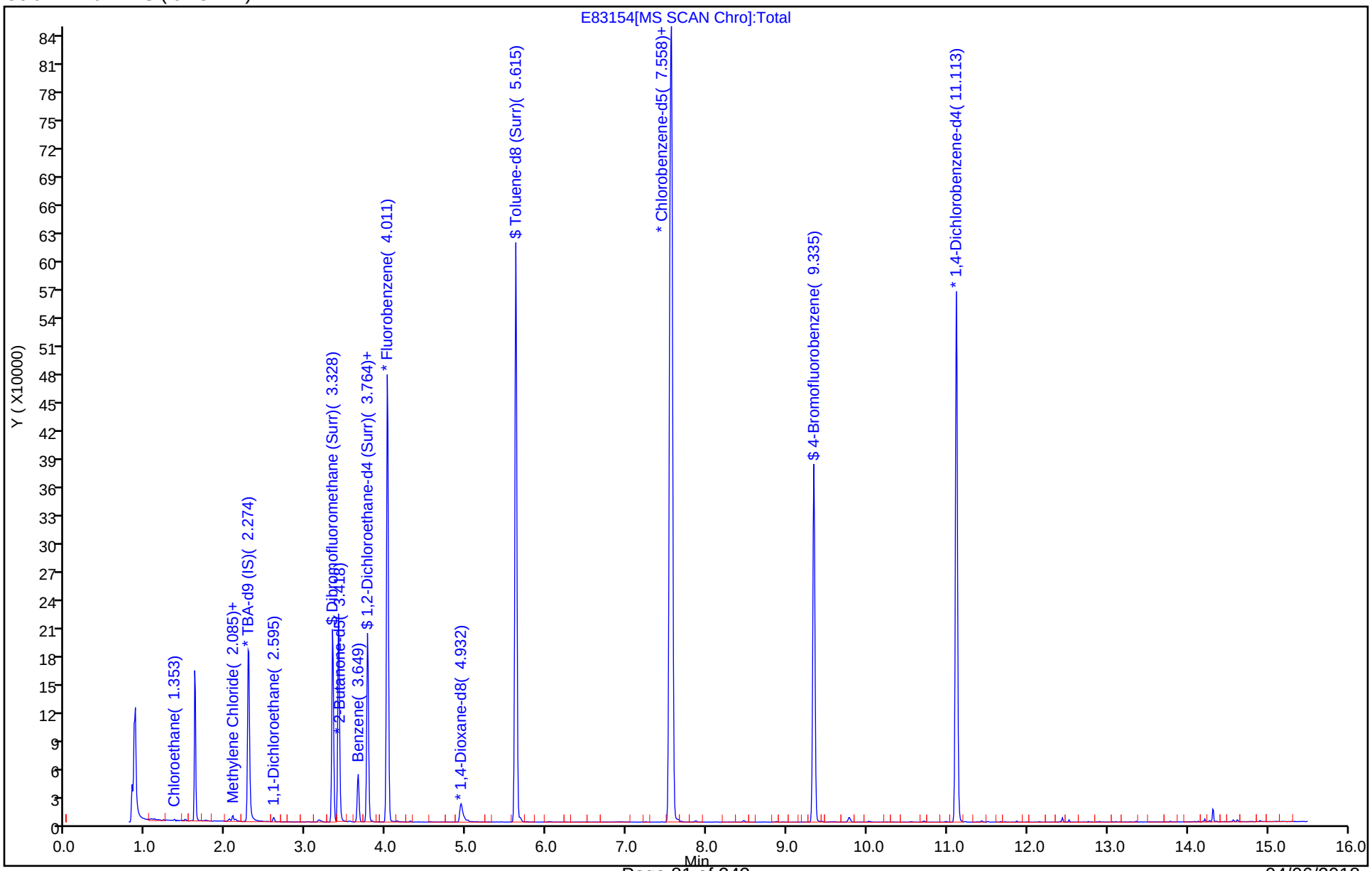
Report Date: 05-Apr-2018 15:04:57 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | Worklist Smp#: | 12 |
| Client ID: | MW-71 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 11 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)

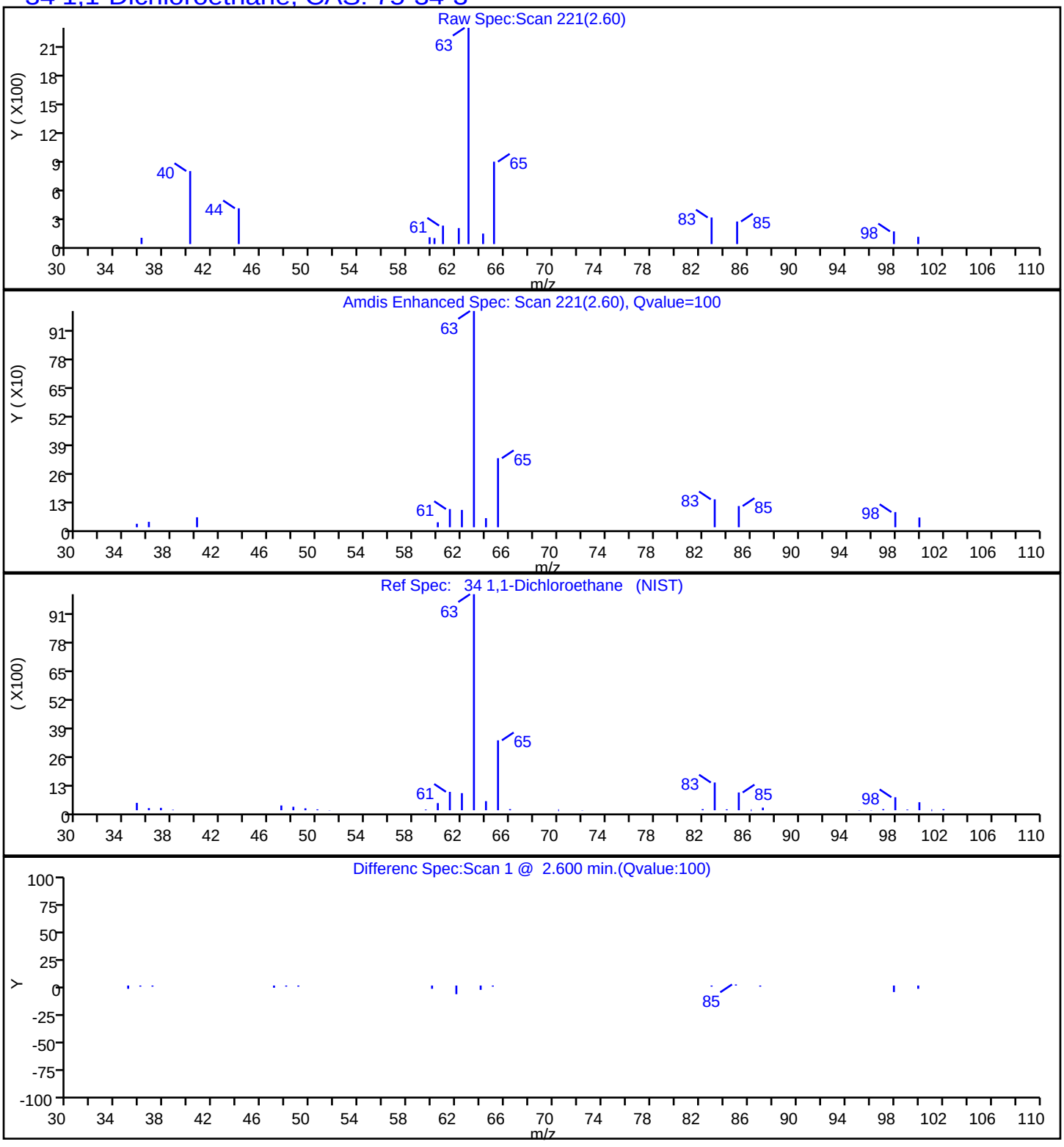


TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

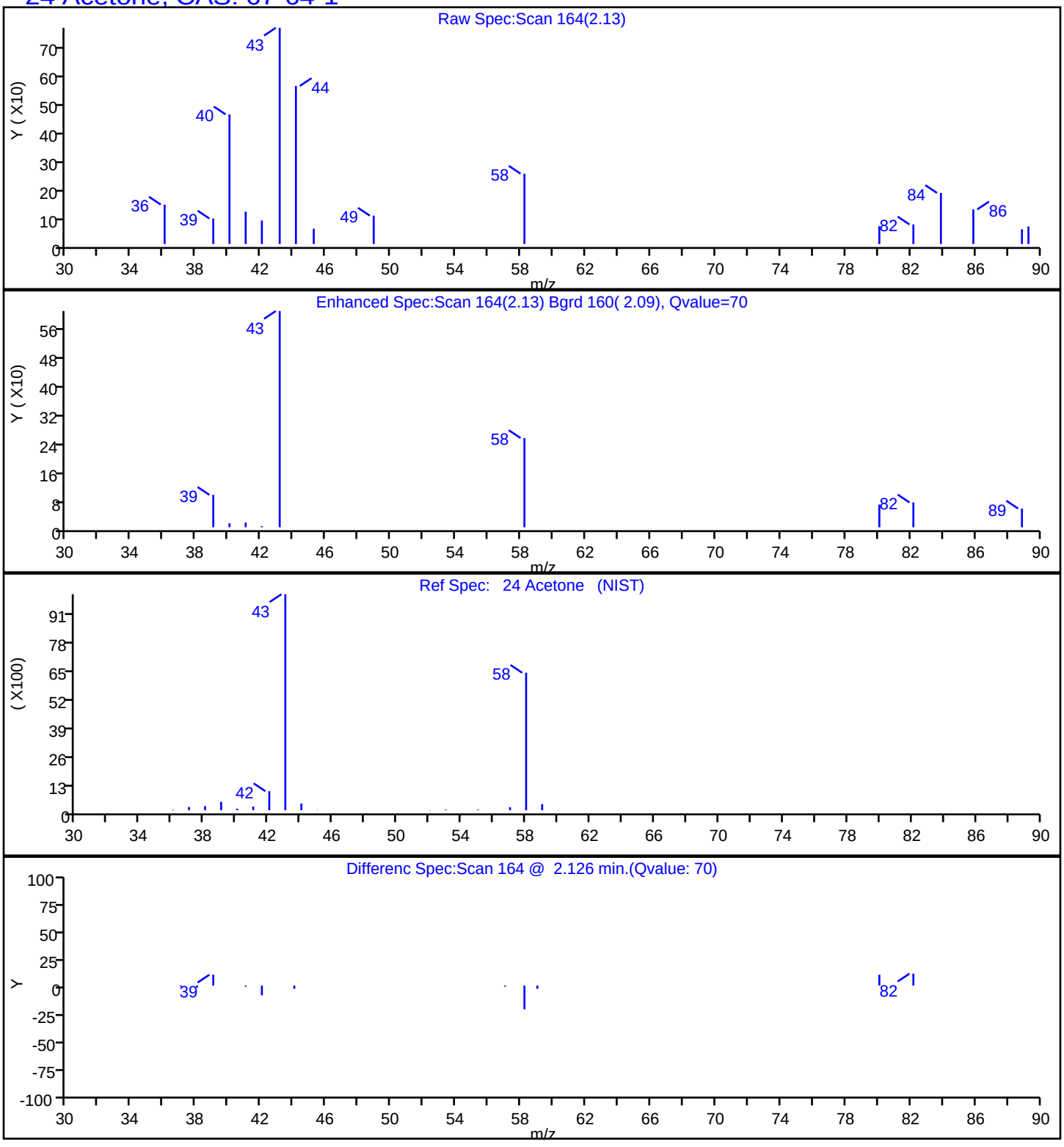
## 34 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Edison

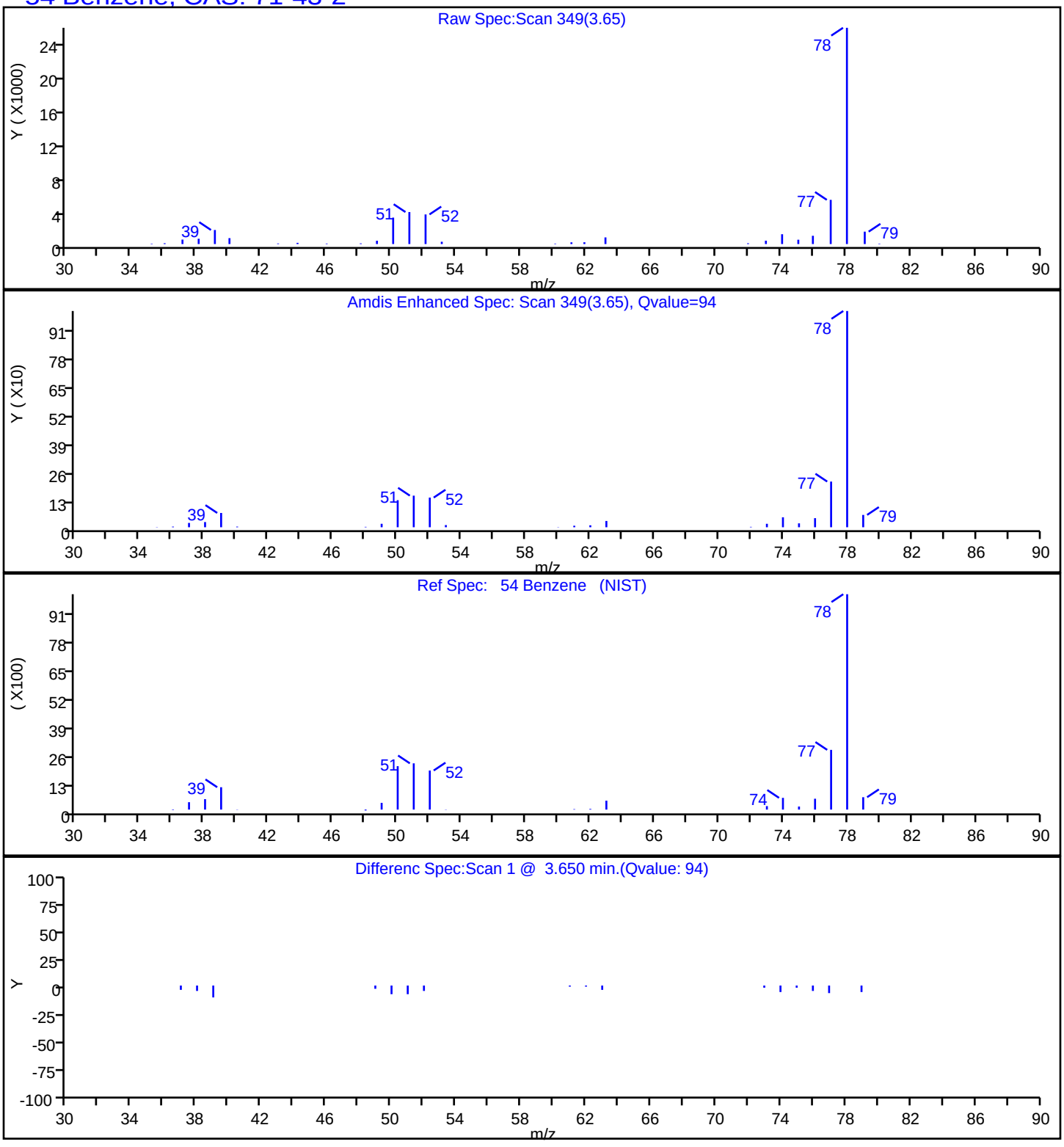
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D | | | | |
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 24 Acetone, CAS: 67-64-1



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D
Injection Date: 04-Apr-2018 14:22:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-B-5 Lab Sample ID: 460-152888-5
Client ID: MW-71
Operator ID: ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 54 Benzene, CAS: 71-43-2



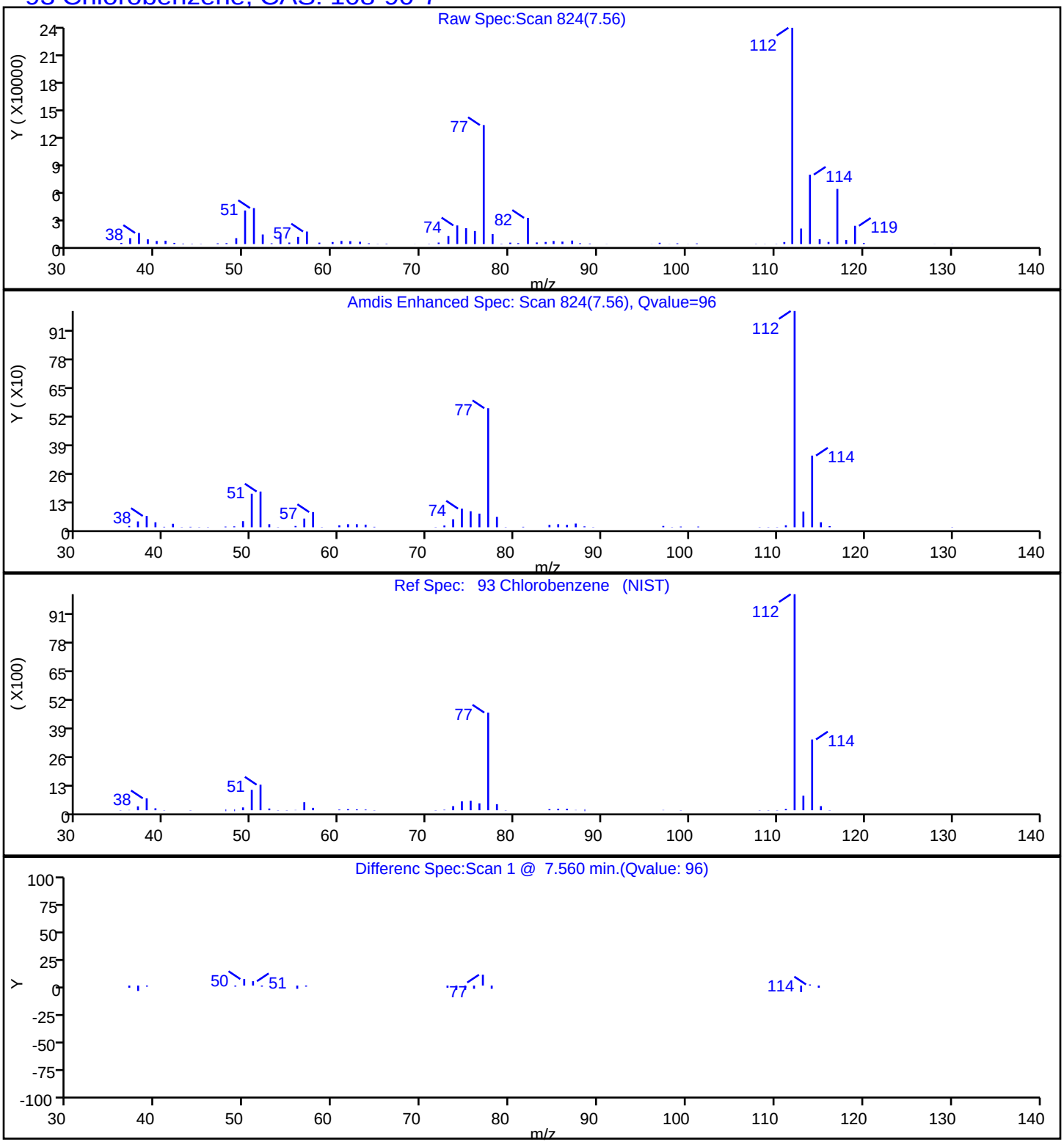
Report Date: 05-Apr-2018 15:04:57 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D

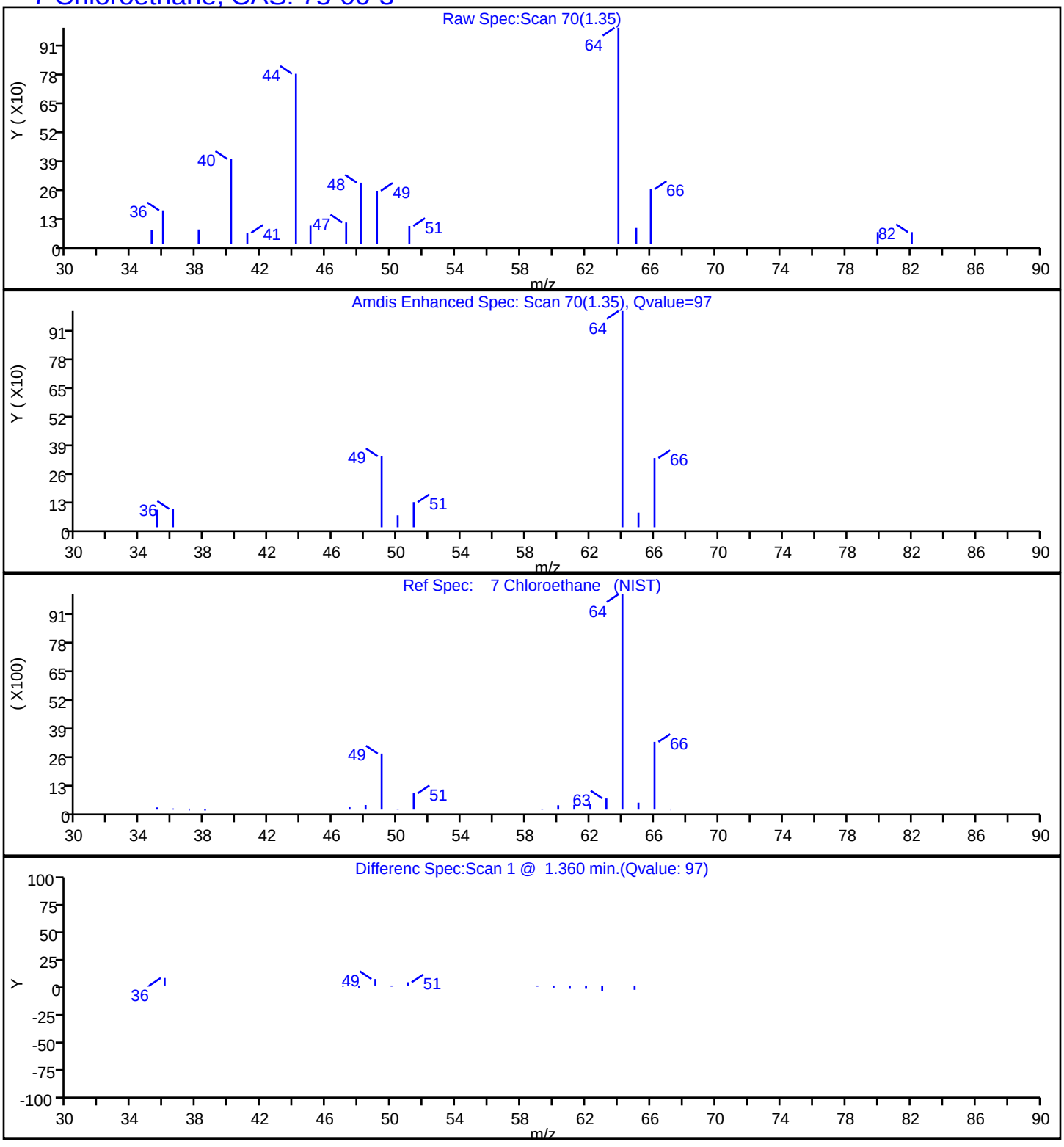
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 93 Chlorobenzene, CAS: 108-90-7



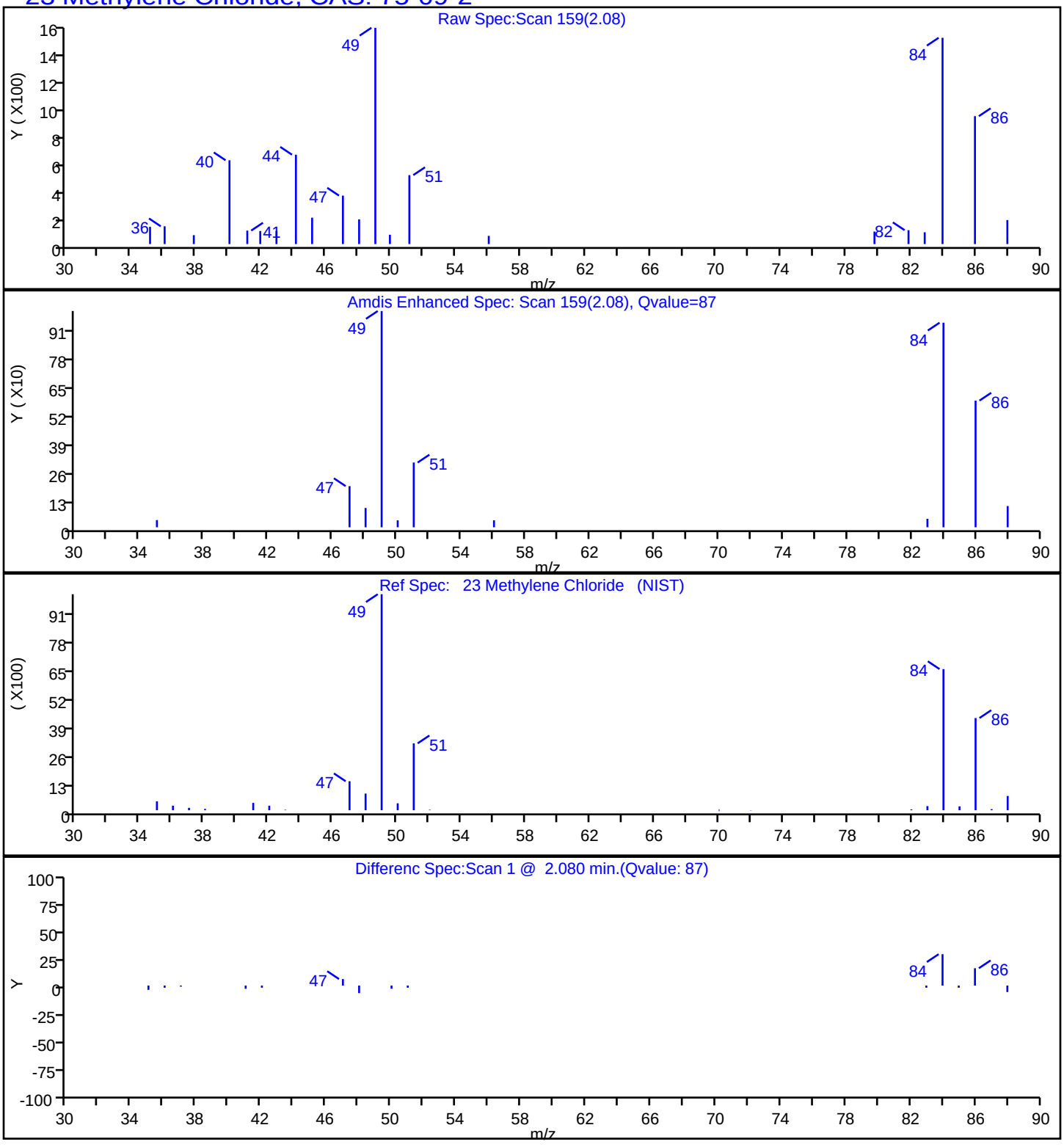
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D
Injection Date: 04-Apr-2018 14:22:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-B-5 Lab Sample ID: 460-152888-5
Client ID: MW-71
Operator ID: ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 7 Chloroethane, CAS: 75-00-3



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D
Injection Date: 04-Apr-2018 14:22:30 Instrument ID: CVOAMS5
Lims ID: 460-152888-B-5 Lab Sample ID: 460-152888-5
Client ID: MW-71
Operator ID: ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

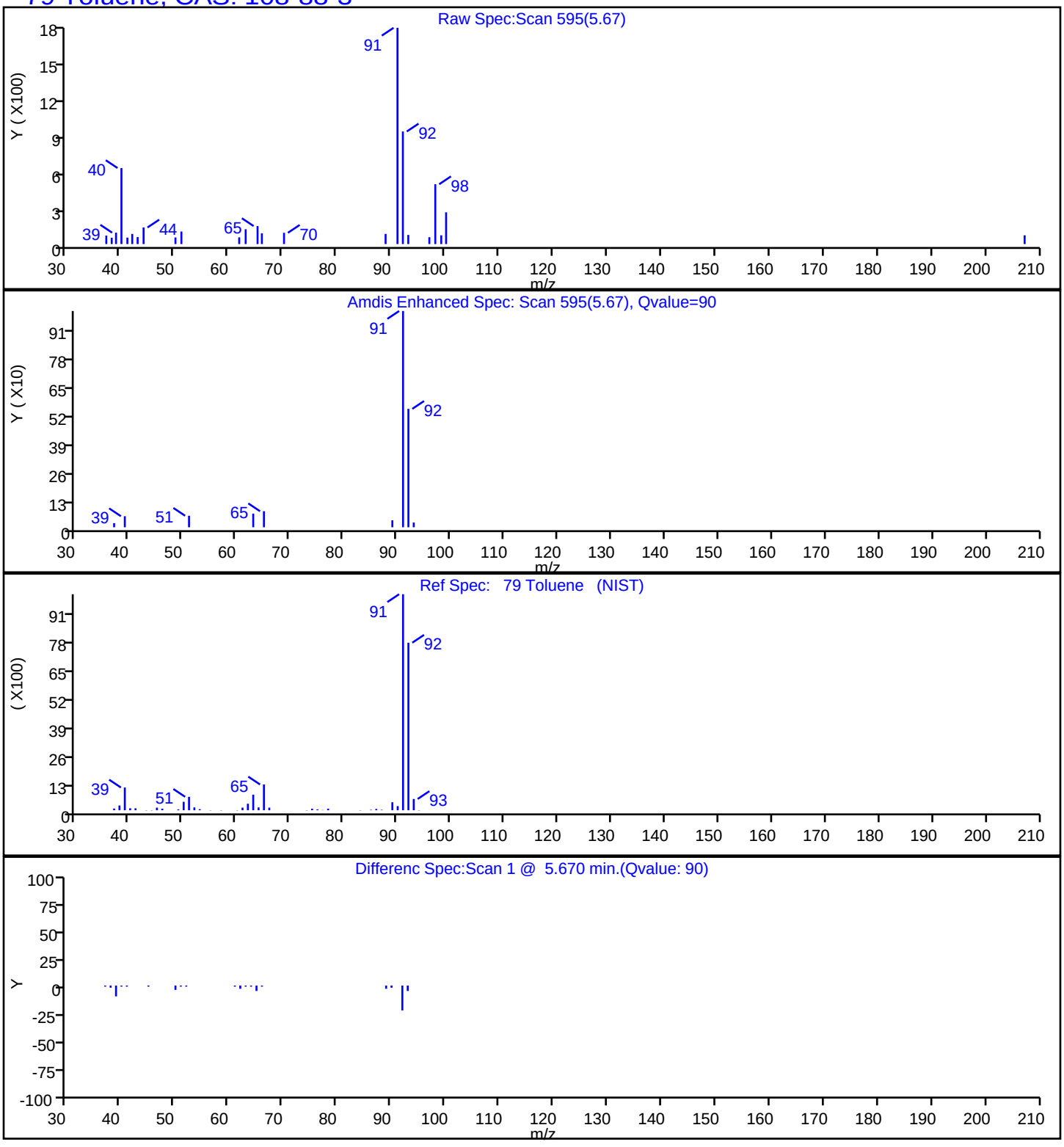
## 23 Methylene Chloride, CAS: 75-09-2



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 79 Toluene, CAS: 108-88-3



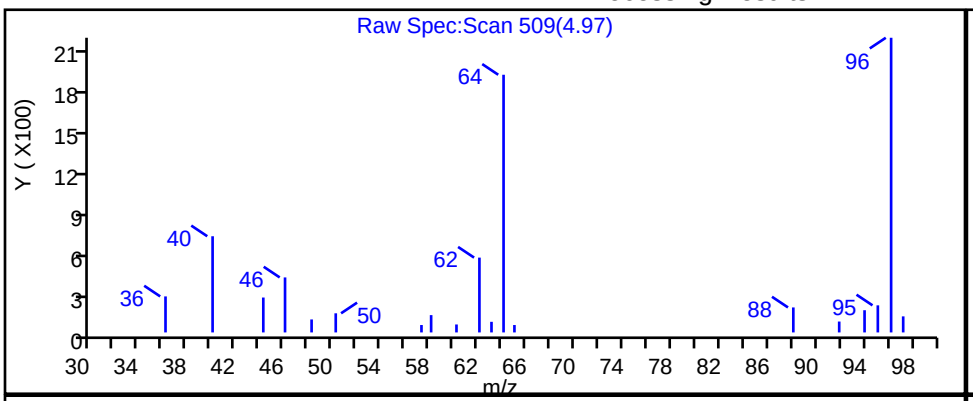
User Disabled Compound Report

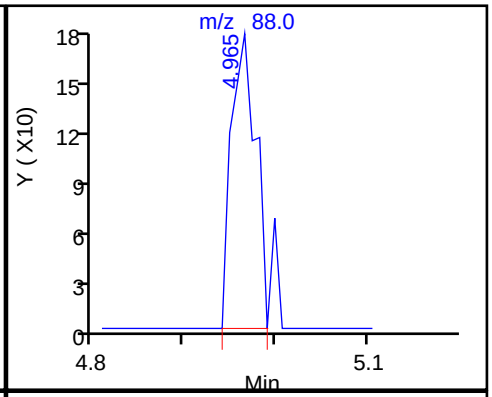
TestAmerica Edison

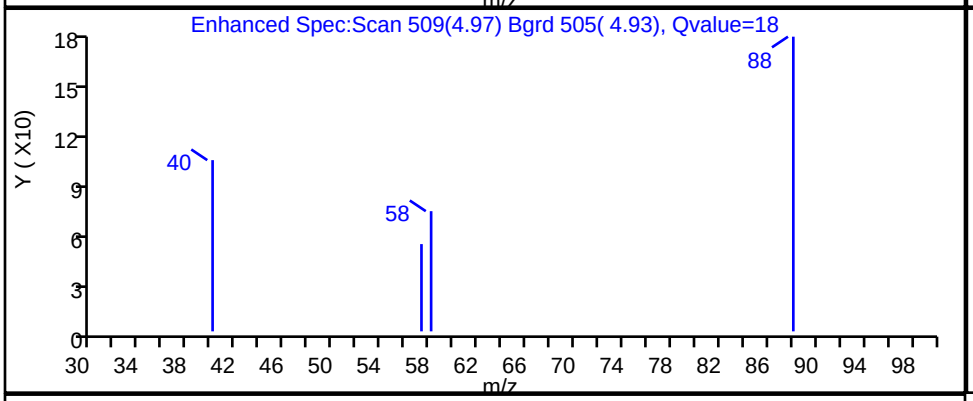
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D | | | | |
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

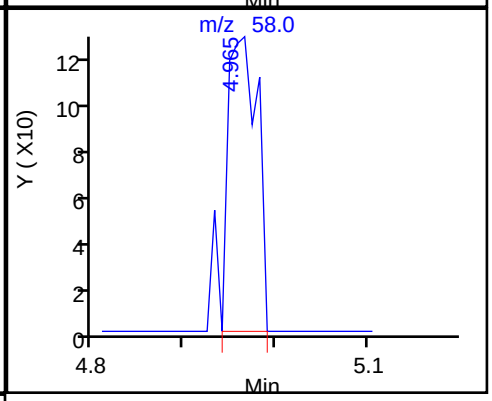
## 74 1,4-Dioxane, CAS: 123-91-1

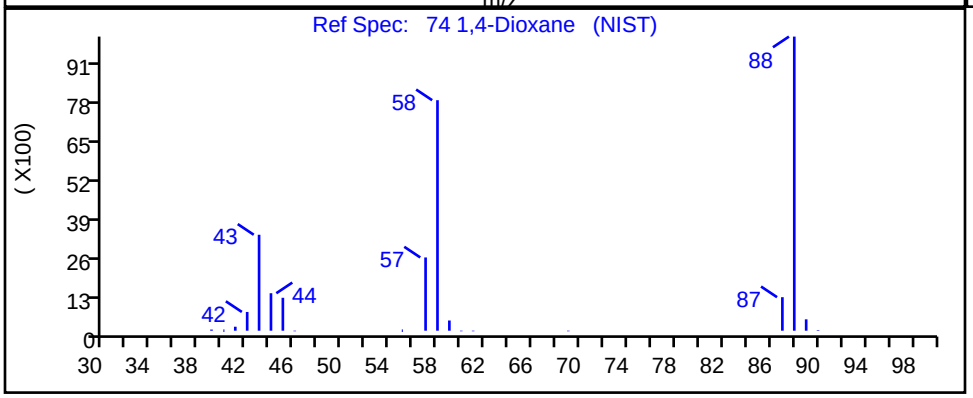
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.97 | 88.00 | 334 | 11.591147 |
| 4.97 | 58.00 | 273 | |

Reviewer: xuyvo, 05-Apr-2018 15:04:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Edison

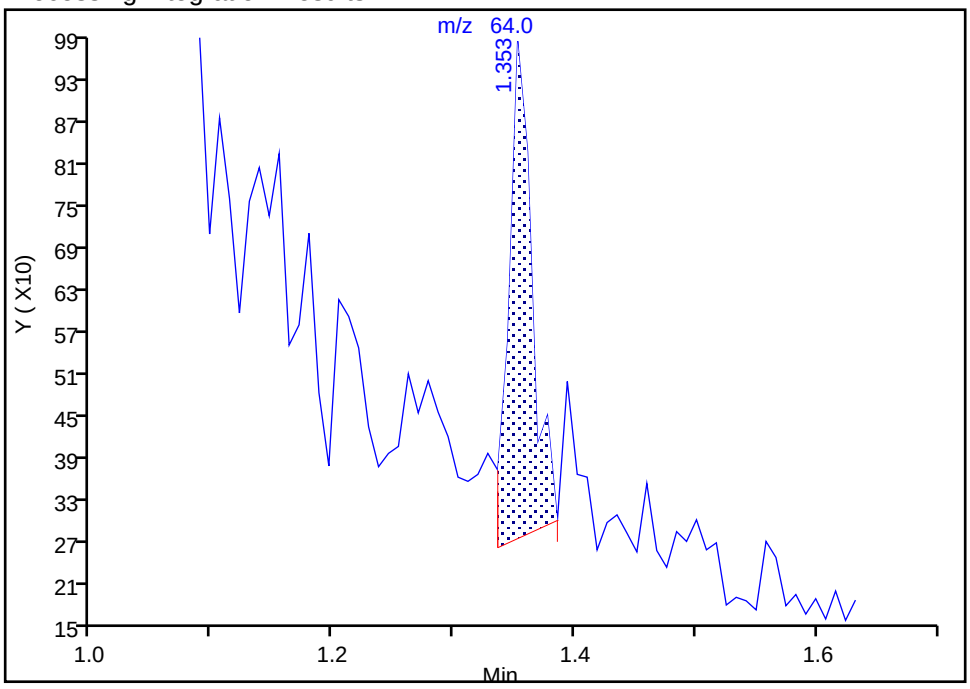
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D | | | | |
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## 7 Chloroethane, CAS: 75-00-3

Signal: 1

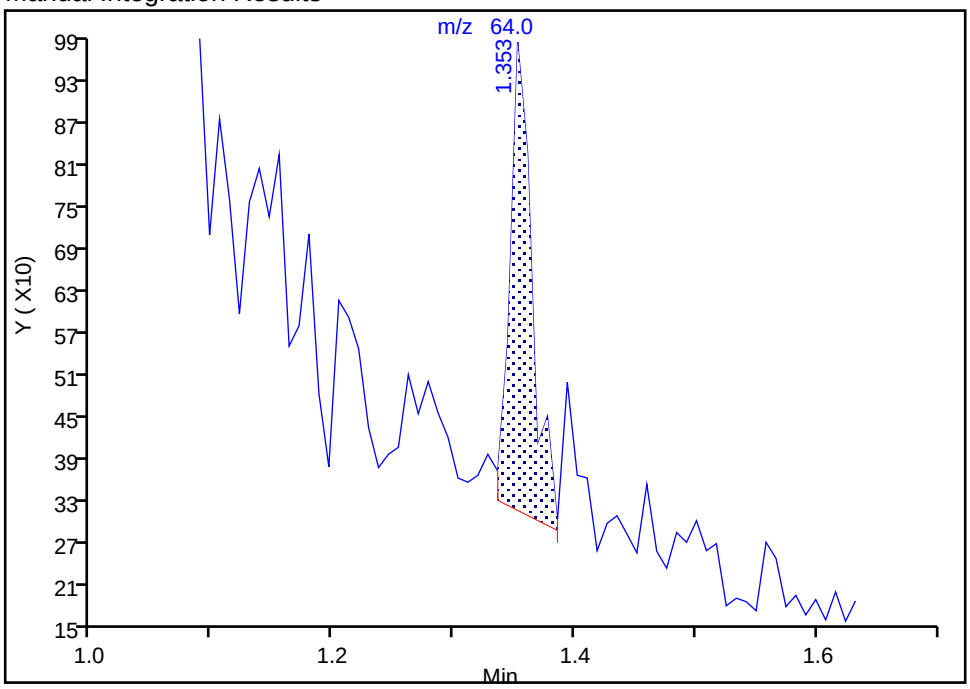
Processing Integration Results

RT: 1.35
Area: 957
Amount: 1.441480
Amount Units: ug/l




Manual Integration Results

RT: 1.35
Area: 861
Amount: 1.296880
Amount Units: ug/l




Reviewer: xuyvo, 05-Apr-2018 14:53:18

Audit Action: Assigned New Baseline Audit Reason: Baseline

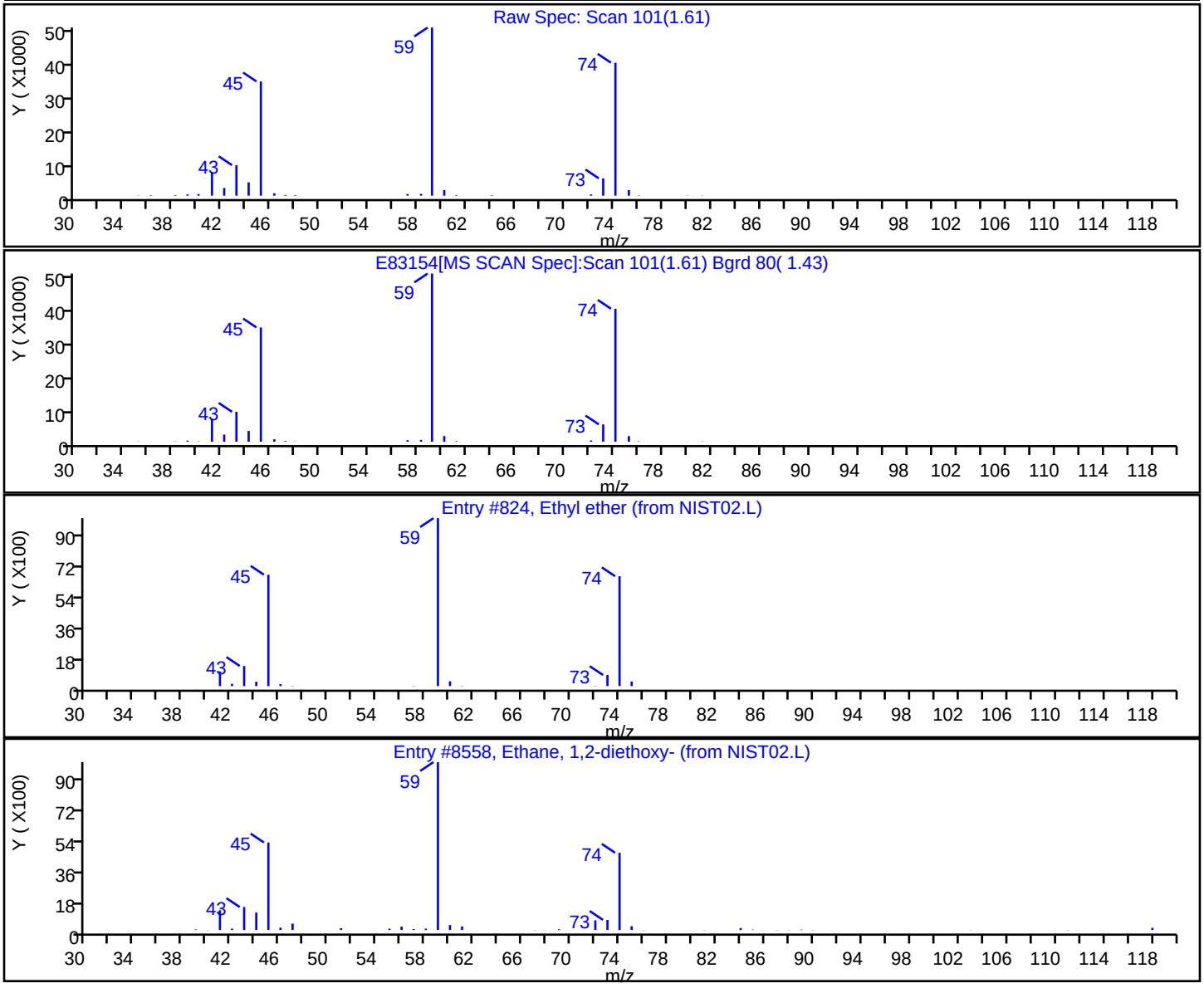
Report Date: 05-Apr-2018 15:04:57 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83154.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 14:22:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | 460-152888-B-5 | Lab Sample ID: | 460-152888-5 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | 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 |
| Ethane, 1,2-diethoxy- | 629-14-1 | NIST02.L | 8558 | C6H14O2 | 118 | 56 |



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

Lab Name: TestAmerica Edison Job No.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8 460-504243/2 | E82368.D |
| Level 2 | STD1 460-504243/14 | E82380.D |
| Level 3 | STD5 460-504243/5 | E82371.D |
| Level 4 | STD20 460-504243/6 | E82372.D |
| Level 5 | STD50 460-504243/7 | E82373.D |
| Level 6 | STD200 460-504243/8 | E82374.D |
| Level 7 | STD500 460-504243/9 | E82375.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorodifluoromethane | +++++<br>0.3258 | 0.2327<br>0.3276 | 0.2576 | 0.2599 | 0.3516 | Ave | | 0.2925 | | | | 16.5 | | 35.0 | | | |
| Vinyl chloride | +++++<br>0.3030 | 0.2695<br>0.2932 | 0.2813 | 0.2813 | 0.3463 | Ave | | 0.2958 | | | | 9.2 | | 35.0 | | | |
| Butadiene | +++++<br>0.2783 | 0.2167<br>0.2628 | 0.2385 | 0.2462 | 0.3161 | Ave | | 0.2598 | | | | 13.3 | | 35.0 | | | |
| Chloromethane | +++++<br>0.3930 | 0.4406<br>0.3772 | 0.3732 | 0.3654 | 0.4546 | Ave | | 0.4007 | | | | 9.4 | | 35.0 | | | |
| Bromomethane | +++++<br>4.7480 | 4.1761<br>5.5021 | 4.2014 | 3.7651 | 4.9031 | Ave | | 4.5493 | | | | 13.7 | | 35.0 | | | |
| Chloroethane | +++++<br>3.3961 | 3.6693<br>3.3636 | 3.7838 | 3.4640 | 4.1125 | Ave | | 3.6315 | | | | 7.9 | | 35.0 | | | |
| n-Pentane | +++++<br>0.2428 | 0.2517<br>0.2224 | 0.2258 | 0.1973 | 0.2512 | Ave | | 0.2319 | | | | 9.1 | | 35.0 | | | |
| Trichlorofluoromethane | +++++<br>0.3075 | 0.2398<br>0.2983 | 0.2792 | 0.2528 | 0.3078 | Ave | | 0.2809 | | | | 10.3 | | 35.0 | | | |
| Isoprene | +++++<br>0.3127 | 0.3228<br>0.2769 | 0.2795 | 0.2837 | 0.3166 | Ave | | 0.2987 | | | | 7.0 | | 35.0 | | | |
| Ethyl ether | +++++<br>0.1808 | 0.2305<br>0.1580 | 0.2021 | 0.2033 | 0.2029 | Ave | | 0.1963 | | | | 12.5 | | 35.0 | | | |
| Ethanol | +++++<br>0.0526 | 0.1435<br>0.0474 | 0.1251 | 0.1268 | 0.0575 | LinF | | 0.0483 | | | | | | | 0.9910 | | 0.9900 |
| 1,1-Dichloroethene | +++++<br>0.2050 | 0.2669<br>0.1934 | 0.2079 | 0.2025 | 0.2107 | Ave | | 0.2144 | | | | 12.3 | | 35.0 | | | |
| Carbon disulfide | +++++<br>0.6498 | 1.0516<br>0.6034 | 0.5958 | 0.6047 | 0.6479 | Ave | | 0.6922 | | | | 25.7 | | 35.0 | | | |
| Freon TF | +++++<br>0.1931 | 0.2381<br>0.1788 | 0.1902 | 0.1889 | 0.2050 | Ave | | 0.1990 | | | | 10.5 | | 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Iodomethane | +++++<br>0.1794 | 0.2286<br>0.1887 | 0.0862 | 0.1010 | 0.1573 | Ave | | 0.1569 | | | | 34.7 | | 35.0 | | | |
| Acrolein | +++++<br>1.5031 | 1.3957<br>1.4438 | 1.5181 | 1.4718 | 1.4061 | Ave | | 1.4564 | | | | 3.4 | | 35.0 | | | |
| Allyl chloride | +++++<br>0.1142 | 0.1352<br>0.1073 | 0.1148 | 0.1176 | 0.1227 | Ave | | 0.1186 | | | | 8.0 | | 35.0 | | | |
| Isopropanol | +++++<br>0.6580 | 0.8790<br>0.6116 | 0.7093 | 0.6982 | 0.6908 | Ave | | 0.7078 | | | | 12.9 | | 35.0 | | | |
| Methylene Chloride | +++++<br>0.2499 | 0.3354<br>0.2359 | 0.2812 | 0.2759 | 0.2706 | Ave | | 0.2748 | | | | 12.5 | | 35.0 | | | |
| Acetone | +++++<br>0.2479 | 0.3463<br>0.2070 | 0.2550 | 0.2427 | 0.2624 | Ave | | 0.2602 | | | | 17.8 | | 35.0 | | | |
| trans-1,2-Dichloroethene | +++++<br>0.2436 | 0.3339<br>0.2355 | 0.2612 | 0.2601 | 0.2600 | Ave | | 0.2657 | | | | 13.2 | | 35.0 | | | |
| Methyl acetate | +++++<br>2.2023 | 2.4708<br>1.8766 | 2.4234 | 2.4216 | 2.5453 | Ave | | 2.3234 | | | | 10.6 | | 35.0 | | | |
| Hexane | +++++<br>2.5048 | 2.6354<br>2.4025 | 2.5818 | 2.5533 | 2.8486 | Ave | | 2.5877 | | | | 5.8 | | 35.0 | | | |
| MTBE | +++++<br>0.7273 | 0.8156<br>0.6755 | 0.6857 | 0.7470 | 0.7627 | Ave | | 0.7356 | | | | 7.0 | | 35.0 | | | |
| TBA | +++++<br>1.1470 | 1.4199<br>1.1551 | 1.1127 | 1.1089 | 1.1441 | Ave | | 1.1813 | | | | 10.0 | | 35.0 | | | |
| Acetonitrile | +++++<br>1.6432 | 1.8987<br>1.4952 | 1.8881 | 1.8429 | 1.9040 | Ave | | 1.7787 | | | | 9.6 | | 35.0 | | | |
| DIPE | +++++<br>0.8183 | 0.8625<br>0.7267 | 0.7410 | 0.8175 | 0.8558 | Ave | | 0.8036 | | | | 7.1 | | 35.0 | | | |
| 1,1-Dichloroethane | +++++<br>0.4267 | 0.5263<br>0.4165 | 0.4612 | 0.4606 | 0.4582 | Ave | | 0.4582 | | | | 8.4 | | 35.0 | | | |
| Acrylonitrile | 0.1219<br>0.1062 | 0.1200<br>0.0939 | 0.1085 | 0.1168 | 0.1155 | Ave | | 0.1118 | | | | 8.7 | | 35.0 | | | |
| Vinyl acetate | +++++<br>0.4315 | 0.3237<br>0.4298 | 0.4287 | 0.4791 | 0.4597 | Ave | | 0.4254 | | | | 12.7 | | 35.0 | | | |
| cis-1,2-Dichloroethene | +++++<br>0.2812 | 0.3570<br>0.2875 | 0.2873 | 0.2903 | 0.2961 | Ave | | 0.2999 | | | | 9.5 | | 35.0 | | | |
| 2,2-Dichloropropane | +++++<br>0.3165 | 0.3066<br>0.3039 | 0.2809 | 0.3012 | 0.3162 | Ave | | 0.3042 | | | | 4.3 | | 35.0 | | | |
| Cyclohexane | +++++<br>0.3881 | 0.3869<br>0.3511 | 0.3274 | 0.3734 | 0.4039 | Ave | | 0.3718 | | | | 7.5 | | 35.0 | | | |
| Bromochloromethane | +++++<br>0.1240 | 0.1696<br>0.1183 | 0.1328 | 0.1368 | 0.1318 | Ave | | 0.1356 | | | | 13.2 | | 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Chloroform | +++++<br>0.4080 | 0.5116<br>0.4065 | 0.4287 | 0.4360 | 0.4365 | Ave | | 0.4379 | | | | 8.8 | | 35.0 | | | |
| Carbon tetrachloride | +++++<br>0.2229 | 0.2363<br>0.2266 | 0.1948 | 0.2013 | 0.2164 | Ave | | 0.2164 | | | | 7.3 | | 35.0 | | | |
| Ethyl acetate | +++++<br>0.2857 | 0.3557<br>0.2681 | 0.2854 | 0.2902 | 0.3002 | Ave | | 0.2976 | | | | 10.2 | | 35.0 | | | |
| Tetrahydrofuran | +++++<br>0.8951 | 1.0484<br>0.8124 | 0.8791 | 0.9432 | 0.9715 | Ave | | 0.9250 | | | | 8.8 | | 35.0 | | | |
| 1,1,1-Trichloroethane | +++++<br>0.3287 | 0.3518<br>0.3175 | 0.3139 | 0.3249 | 0.3327 | Ave | | 0.3282 | | | | 4.1 | | 35.0 | | | |
| 1,1-Dichloropropene | +++++<br>0.3158 | 0.4489<br>0.2935 | 0.3374 | 0.3373 | 0.3385 | Ave | | 0.3452 | | | | 15.6 | | 35.0 | | | |
| 2-Butanone | +++++<br>0.3270 | 0.3844<br>0.3017 | 0.3240 | 0.3185 | 0.3371 | Ave | | 0.3321 | | | | 8.5 | | 35.0 | | | |
| n-Heptane | +++++<br>0.1256 | 0.1164<br>0.1130 | 0.1043 | 0.1183 | 0.1321 | Ave | | 0.1183 | | | | 8.2 | | 35.0 | | | |
| Benzene | +++++<br>1.2909 | 1.6081<br>1.1709 | 1.4004 | 1.4145 | 1.4186 | Ave | | 1.3839 | | | | 10.6 | | 35.0 | | | |
| 1,2-Dichloroethane | +++++<br>0.3022 | 0.4197<br>0.2920 | 0.3265 | 0.3260 | 0.3262 | Ave | | 0.3321 | | | | 13.6 | | 35.0 | | | |
| Isopropyl acetate | +++++<br>0.4969 | 0.4711<br>0.4660 | 0.3990 | 0.4510 | 0.4837 | Ave | | 0.4613 | | | | 7.4 | | 35.0 | | | |
| Methylcyclohexane | +++++<br>0.3737 | 0.3718<br>0.3455 | 0.3189 | 0.3520 | 0.3863 | Ave | | 0.3580 | | | | 6.8 | | 35.0 | | | |
| Trichloroethene | +++++<br>0.2452 | 0.3854<br>0.2303 | 0.2855 | 0.2655 | 0.2597 | Ave | | 0.2786 | | | | 19.9 | | 35.0 | | | |
| n-Butanol | +++++<br>0.3431 | 0.3114<br>0.3297 | 0.2495 | 0.2750 | 0.3159 | Ave | | 0.3041 | | | | 11.6 | | 35.0 | | | |
| Dibromomethane | +++++<br>0.1547 | 0.1715<br>0.1444 | 0.1571 | 0.1605 | 0.1622 | Ave | | 0.1584 | | | | 5.6 | | 35.0 | | | |
| 1,2-Dichloropropane | +++++<br>0.2644 | 0.2816<br>0.2518 | 0.2562 | 0.2665 | 0.2762 | Ave | | 0.2661 | | | | 4.3 | | 35.0 | | | |
| Ethyl acrylate | +++++<br>0.3698 | 0.2923<br>0.3375 | 0.2620 | 0.3222 | 0.3554 | Ave | | 0.3232 | | | | 12.5 | | 35.0 | | | |
| Bromodichloromethane | +++++<br>0.2826 | 0.2809<br>0.2836 | 0.2517 | 0.2603 | 0.2774 | Ave | | 0.2727 | | | | 4.9 | | 35.0 | | | |
| Methyl methacrylate | +++++<br>0.0892 | 0.0754<br>0.0842 | 0.0685 | 0.0795 | 0.0861 | Ave | | 0.0805 | | | | 9.5 | | 35.0 | | | |
| 1,4-Dioxane | +++++<br>1.1698 | 1.4799<br>1.1505 | 1.3043 | 1.2274 | 1.2411 | Ave | | 1.2622 | | | | 9.5 | | 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| 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 | | | | | | | | |
| Propyl acetate | +++++ 0.3944 | 0.3734 0.3723 | 0.3048 | 0.3455 | 0.3808 | Ave | | 0.3619 | | | | 8.9 | | 35.0 | | | |
| 2-Chloroethyl vinyl ether | +++++ 0.1728 | 0.1121 0.1713 | 0.1005 | 0.1348 | 0.1578 | Ave | | 0.1416 | | | | 21.7 | | 35.0 | | | |
| cis-1,3-Dichloropropene | +++++ 0.5135 | 0.4536 0.5097 | 0.4208 | 0.4797 | 0.5253 | Ave | | 0.4838 | | | | 8.4 | | 35.0 | | | |
| Toluene | +++++ 1.3950 | 1.7774 1.2917 | 1.4686 | 1.4982 | 1.5011 | Ave | | 1.4886 | | | | 10.9 | | 35.0 | | | |
| Epichlorohydrin | 0.1484 0.1608 | 0.1642 0.1630 | 0.1494 | 0.1618 | 0.1549 | Ave | | 0.1575 | | | | 4.2 | | 35.0 | | | |
| Tetrachloroethene | +++++ 0.3240 | 0.4329 0.3160 | 0.3324 | 0.3298 | 0.3341 | Ave | | 0.3449 | | | | 12.7 | | 35.0 | | | |
| 4-Methyl-2-pentanone | +++++ 2.0896 | 2.0023 1.7919 | 1.8776 | 2.1511 | 2.2753 | Ave | | 2.0313 | | | | 8.8 | | 35.0 | | | |
| trans-1,3-Dichloropropene | +++++ 0.4618 | 0.4259 0.4483 | 0.3839 | 0.4315 | 0.4681 | Ave | | 0.4366 | | | | 7.0 | | 35.0 | | | |
| 1,1,2-Trichloroethane | +++++ 0.2645 | 0.2839 0.2561 | 0.2648 | 0.2697 | 0.2763 | Ave | | 0.2692 | | | | 3.6 | | 35.0 | | | |
| Dibromochloromethane | +++++ 0.2712 | 0.2242 0.2886 | 0.1890 | 0.2109 | 0.2442 | Ave | | 0.2380 | | | | 15.7 | | 35.0 | | | |
| 1,3-Dichloropropane | +++++ 0.5429 | 0.6000 0.5271 | 0.5275 | 0.5572 | 0.5717 | Ave | | 0.5544 | | | | 5.1 | | 35.0 | | | |
| 1,2-Dibromoethane | +++++ 0.3133 | 0.3415 0.3085 | 0.2966 | 0.3033 | 0.3178 | Ave | | 0.3135 | | | | 5.0 | | 35.0 | | | |
| Butyl acetate | +++++ 0.5264 | 0.3775 0.5127 | 0.3248 | 0.4121 | 0.5037 | Ave | | 0.4428 | | | | 18.8 | | 35.0 | | | |
| 2-Hexanone | +++++ 1.5217 | 1.2562 1.3847 | 1.1839 | 1.4748 | 1.5856 | Ave | | 1.4012 | | | | 11.2 | | 35.0 | | | |
| Chlorobenzene | +++++ 0.9086 | 1.1621 0.8653 | 0.9518 | 0.9765 | 0.9754 | Ave | | 0.9733 | | | | 10.5 | | 35.0 | | | |
| Ethylbenzene | +++++ 0.4919 | 0.5301 0.4589 | 0.4876 | 0.5152 | 0.5288 | Ave | | 0.5021 | | | | 5.5 | | 35.0 | | | |
| 1,1,1,2-Tetrachloroethane | +++++ 0.2800 | 0.2586 0.2810 | 0.2386 | 0.2483 | 0.2711 | Ave | | 0.2629 | | | | 6.6 | | 35.0 | | | |
| m-Xylene & p-Xylene | +++++ 0.6103 | 0.6094 0.5750 | 0.5328 | 0.6063 | 0.6406 | Ave | | 0.5957 | | | | 6.2 | | 35.0 | | | |
| o-Xylene | +++++ 0.5967 | 0.5238 0.5682 | 0.4629 | 0.5791 | 0.6207 | Ave | | 0.5586 | | | | 10.2 | | 35.0 | | | |
| Bromoform | +++++ 0.3017 | 0.1975 0.3542 | 0.1719 | 0.1957 | 0.2359 | Ave | | 0.2428 | | | | 29.2 | | 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| 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 | +++++ 1.0149 | 0.7975 0.9418 | 0.7753 | 0.9946 | 1.0639 | Ave | | 0.9313 | | | | 12.8 | | 35.0 | | | |
| n-Butyl acrylate | +++++ 0.2799 | 0.1534 0.2743 | 0.1490 | 0.2076 | 0.2549 | Ave | | 0.2198 | | | | 26.8 | | 35.0 | | | |
| Isopropylbenzene | +++++ 1.4664 | 1.2475 1.3711 | 1.2375 | 1.4839 | 1.5477 | Ave | | 1.3924 | | | | 9.3 | | 35.0 | | | |
| Amyl acetate | +++++ 1.0978 | 0.6590 1.0726 | 0.6587 | 0.8835 | 1.0338 | Ave | | 0.9009 | | | | 22.4 | | 35.0 | | | |
| Bromobenzene | +++++ 0.7293 | 0.8781 0.7344 | 0.6996 | 0.7359 | 0.7505 | Ave | | 0.7546 | | | | 8.3 | | 35.0 | | | |
| N-Propylbenzene | +++++ 3.1773 | 3.4287 3.0155 | 2.9489 | 3.3122 | 3.3475 | Ave | | 3.2050 | | | | 6.0 | | 35.0 | | | |
| 1,1,2,2-Tetrachloroethane | +++++ 0.7885 | 0.8222 0.7836 | 0.7343 | 0.7870 | 0.8037 | Ave | | 0.7866 | | | | 3.7 | | 35.0 | | | |
| 2-Chlorotoluene | +++++ 2.1805 | 2.4095 2.0622 | 2.1253 | 2.3600 | 2.3577 | Ave | | 2.2492 | | | | 6.4 | | 35.0 | | | |
| 1,2,3-Trichloropropane | +++++ 0.2349 | 0.2586 0.2370 | 0.2303 | 0.2337 | 0.2396 | Ave | | 0.2390 | | | | 4.2 | | 35.0 | | | |
| 1,3,5-Trimethylbenzene | +++++ 2.2435 | 2.0337 2.1661 | 1.8819 | 2.3030 | 2.3609 | Ave | | 2.1648 | | | | 8.3 | | 35.0 | | | |
| 4-Chlorotoluene | +++++ 2.0675 | 2.0895 2.0105 | 1.9577 | 2.1834 | 2.1910 | Ave | | 2.0833 | | | | 4.5 | | 35.0 | | | |
| tert-Butylbenzene | +++++ 1.8551 | 1.6117 1.7946 | 1.3848 | 1.8026 | 1.9367 | Ave | | 1.7309 | | | | 11.6 | | 35.0 | | | |
| Butyl Methacrylate | +++++ 0.9042 | 0.4284 0.8549 | 0.4813 | 0.7046 | 0.8491 | Ave | | 0.7038 | | | | 29.1 | | 35.0 | | | |
| 1,2,4-Trimethylbenzene | +++++ 2.3285 | 1.9252 2.1711 | 2.0561 | 2.5030 | 2.5126 | Ave | | 2.2494 | | | | 10.7 | | 35.0 | | | |
| sec-Butylbenzene | +++++ 2.6731 | 2.4394 2.5283 | 2.2629 | 2.6891 | 2.8351 | Ave | | 2.5713 | | | | 7.9 | | 35.0 | | | |
| 1,3-Dichlorobenzene | +++++ 1.3216 | 1.6284 1.2552 | 1.3143 | 1.4207 | 1.4183 | Ave | | 1.3931 | | | | 9.5 | | 35.0 | | | |
| p-Isopropyltoluene | +++++ 2.2621 | 1.7647 2.0981 | 1.7737 | 2.2700 | 2.4240 | Ave | | 2.0988 | | | | 13.1 | | 35.0 | | | |
| 1,4-Dichlorobenzene | +++++ 1.3714 | 1.8094 1.3109 | 1.4266 | 1.4647 | 1.4418 | Ave | | 1.4708 | | | | 11.9 | | 35.0 | | | |
| 1,2,3-Trimethylbenzene | +++++ 2.5642 | 2.3336 2.3437 | 2.1557 | 2.5488 | 2.6675 | Ave | | 2.4356 | | | | 7.8 | | 35.0 | | | |
| Benzyl chloride | +++++ 0.2741 | 0.1337 0.2781 | 0.1394 | 0.1906 | 0.2297 | Ave | | 0.2076 | | | | 30.7 | | 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| n-Butylbenzene | +++++<br>1.0719 | 0.9651<br>0.9903 | 0.9370 | 1.0933 | 1.1561 | Ave | | 1.0356 | | | | 8.2 | | 35.0 | | | |
| 1,2-Dichlorobenzene | +++++<br>1.3044 | 1.5507<br>1.2247 | 1.3124 | 1.4128 | 1.3904 | Ave | | 1.3659 | | | | 8.3 | | 35.0 | | | |
| 1,2-Dibromo-3-Chloropropane | +++++<br>0.1436 | 0.0981<br>0.1580 | 0.0966 | 0.1055 | 0.1245 | Ave | | 0.1210 | | | | 21.1 | | 35.0 | | | |
| 1,2,4-Trichlorobenzene | +++++<br>0.7896 | 0.9194<br>0.6969 | 0.6939 | 0.7851 | 0.8320 | Ave | | 0.7861 | | | | 10.8 | | 35.0 | | | |
| Hexachlorobutadiene | +++++<br>0.2317 | 0.3375<br>0.2005 | 0.2364 | 0.2457 | 0.2568 | Ave | | 0.2514 | | | | 18.4 | | 35.0 | | | |
| Naphthalene | +++++<br>1.9276 | 1.7586<br>1.7994 | 1.3605 | 1.8152 | 2.0111 | Ave | | 1.7787 | | | | 12.7 | | 35.0 | | | |
| 1,2,3-Trichlorobenzene | +++++<br>0.6997 | 0.8106<br>0.6545 | 0.6549 | 0.7255 | 0.7350 | Ave | | 0.7134 | | | | 8.2 | | 35.0 | | | |
| Dibromofluoromethane (Surr) | 0.2331<br>0.2119 | 0.2177<br>0.2049 | 0.2226 | 0.2262 | 0.2174 | Ave | | 0.2191 | | | | 4.2 | | 35.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.2785<br>0.2567 | 0.2596<br>0.2505 | 0.2687 | 0.2722 | 0.2653 | Ave | | 0.2645 | | | | 3.6 | | 35.0 | | | |
| Toluene-d8 (Surr) | 1.3104<br>1.2592 | 1.2461<br>1.2739 | 1.2548 | 1.2882 | 1.2681 | Ave | | 1.2715 | | | | 1.7 | | 35.0 | | | |
| Bromofluorobenzene | 0.3572<br>0.3779 | 0.3694<br>0.3869 | 0.3694 | 0.3791 | 0.3823 | Ave | | 0.3746 | | | | 2.7 | | 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8 460-504243/2 | E82368.D |
| Level 2 | STD1 460-504243/14 | E82380.D |
| Level 3 | STD5 460-504243/5 | E82371.D |
| Level 4 | STD20 460-504243/6 | E82372.D |
| Level 5 | STD50 460-504243/7 | E82373.D |
| Level 6 | STD200 460-504243/8 | E82374.D |
| Level 7 | STD500 460-504243/9 | E82375.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 | +++++ 758596 | 2593 1974415 | 13883 | 56594 | 198692 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Vinyl chloride | FB | Ave | +++++ 705608 | 3004 1767247 | 15160 | 61253 | 195664 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Butadiene | FB | Ave | +++++ 648074 | 2415 1583623 | 12854 | 53613 | 178583 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Chloromethane | FB | Ave | +++++ 915281 | 4910 2273086 | 20115 | 79556 | 256886 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Bromomethane | TBAd 9 | Ave | +++++ 248324 | 1030 746612 | 4729 | 17518 | 58259 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Chloroethane | TBAd 9 | Ave | +++++ 177619 | 905 456426 | 4259 | 16117 | 48865 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| n-Pentane | BUT | Ave | +++++ 130155 | 637 299343 | 2810 | 10119 | 32582 | +++++ 400 | 2.00 1000 | 10.0 | 40.0 | 100 |
| Trichlorofluoromethane | FB | Ave | +++++ 716124 | 2673 1797699 | 15049 | 55040 | 173931 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Isoprene | FB | Ave | +++++ 728200 | 3598 1668645 | 15064 | 61766 | 178895 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Ethyl ether | FB | Ave | +++++ 420944 | 2569 952242 | 10892 | 44274 | 114667 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Ethanol | TBAd 9 | LinF | +++++ 109945 | 1416 257146 | 5634 | 23607 | 27336 | +++++ 8000 | 40.0 20000 | 200 | 800 | 2000 |
| 1,1-Dichloroethene | FB | Ave | +++++ 477284 | 2975 1165799 | 11208 | 44090 | 119056 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Carbon disulfide | FB | Ave | +++++ 1513187 | 11720 3636422 | 32116 | 131682 | 366064 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Freon TF | FB | Ave | +++++ 449630 | 2653 1077479 | 10253 | 41127 | 115806 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Iodomethane | FB | Ave | +++++ 417855 | 2548 1137100 | 4645 | 22000 | 88892 | +++++ 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Acrolein | TBAd 9 | Ave | +++++<br>78614 | 1377<br>156734 | 6835 | 13696 | 33414 | +++++<br>200 | 4.00<br>400 | 20.0 | 40.0 | 100 |
| Allyl chloride | FB | Ave | +++++<br>265949 | 1507<br>646357 | 6190 | 25615 | 69308 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropanol | TBAd 9 | Ave | +++++<br>344154 | 2168<br>829886 | 7984 | 32484 | 82082 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Methylene Chloride | FB | Ave | +++++<br>581880 | 3738<br>1421798 | 15157 | 60083 | 152875 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acetone | BUT | Ave | +++++<br>332307 | 2191<br>696532 | 7931 | 31119 | 85087 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| trans-1,2-Dichloroethene | FB | Ave | +++++<br>567341 | 3721<br>1419302 | 14077 | 56645 | 146914 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methyl acetate | TBAd 9 | Ave | +++++<br>575913 | 3047<br>1273262 | 13639 | 56336 | 151221 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Hexane | TBAd 9 | Ave | +++++<br>131002 | 650<br>326013 | 2906 | 11880 | 33848 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| MTBE | FB | Ave | +++++<br>1693716 | 9090<br>4070735 | 36958 | 162652 | 430938 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| TBA | TBAd 9 | Ave | +++++<br>599893 | 3502<br>1567422 | 12524 | 51594 | 135947 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Acetonitrile | TBAd 9 | Ave | +++++<br>859427 | 4683<br>2028929 | 21252 | 85744 | 226232 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| DIPE | FB | Ave | +++++<br>1905514 | 9612<br>4379211 | 39941 | 178021 | 483556 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloroethane | FB | Ave | +++++<br>993714 | 5865<br>2509986 | 24859 | 100287 | 258897 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acrylonitrile | FB | Ave | 2571<br>2473843 | 13378<br>5657119 | 58456 | 254360 | 652397 | 2.00<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Vinyl acetate | BUT | Ave | +++++<br>231326 | 819<br>578386 | 5334 | 24569 | 59634 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| cis-1,2-Dichloroethene | FB | Ave | +++++<br>654896 | 3979<br>1732464 | 15485 | 63203 | 167288 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2,2-Dichloropropane | FB | Ave | +++++<br>737132 | 3417<br>1831467 | 15141 | 65591 | 178645 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Cyclohexane | FB | Ave | +++++<br>903807 | 4312<br>2115759 | 17648 | 81300 | 228193 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromochloromethane | FB | Ave | +++++<br>288683 | 1890<br>713054 | 7160 | 29798 | 74491 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Chloroform | FB | Ave | +++++<br>950229 | 5702<br>2449931 | 23110 | 94928 | 246655 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Carbon tetrachloride | FB | Ave | +++++<br>519016 | 2633<br>1365837 | 10500 | 43830 | 122282 | +++++<br>200 | 1.00<br>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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| 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 |
| Ethyl acetate | BUT | Ave | +++++ 153148 | 900 360831 | 3551 | 14884 | 38945 | +++++ 400 | 2.00 1000 | 10.0 | 40.0 | 100 |
| Tetrahydrofuran | BUT | Ave | +++++ 479875 | 2653 1093305 | 10938 | 48369 | 126022 | +++++ 400 | 2.00 1000 | 10.0 | 40.0 | 100 |
| 1,1,1-Trichloroethane | FB | Ave | +++++ 765397 | 3921 1913334 | 16917 | 70755 | 187964 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloropropene | FB | Ave | +++++ 735336 | 5003 1768637 | 18187 | 73437 | 191290 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| 2-Butanone | BUT | Ave | +++++ 438256 | 2432 1015078 | 10079 | 40837 | 109332 | +++++ 1000 | 5.00 2500 | 25.0 | 100 | 250 |
| n-Heptane | FB | Ave | +++++ 292463 | 1297 680803 | 5624 | 25761 | 74614 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Benzene | CBNZ d5 | Ave | +++++ 2354208 | 13867 5472965 | 58015 | 241838 | 620390 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichloroethane | FB | Ave | +++++ 703796 | 4677 1759831 | 17600 | 70995 | 184314 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Isopropyl acetate | FB | Ave | +++++ 1157170 | 5250 2808634 | 21508 | 98195 | 273300 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Methylcyclohexane | FB | Ave | +++++ 870346 | 4144 2081877 | 17189 | 76649 | 218255 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Trichloroethene | FB | Ave | +++++ 571077 | 4295 1387775 | 15391 | 57805 | 146731 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| n-Butanol | TBAd 9 | Ave | +++++ 448587 | 1920 1118416 | 7020 | 31991 | 93854 | +++++ 5000 | 25.0 12500 | 125 | 500 | 1250 |
| Dibromomethane | FB | Ave | +++++ 360253 | 1911 870481 | 8469 | 34944 | 91648 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichloropropane | FB | Ave | +++++ 615638 | 3138 1517320 | 13811 | 58039 | 156038 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Ethyl acrylate | FB | Ave | +++++ 861203 | 3258 2034219 | 14121 | 70152 | 200812 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Bromodichloromethane | FB | Ave | +++++ 658041 | 3130 1709304 | 13565 | 56678 | 156735 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Methyl methacrylate | FB | Ave | +++++ 415578 | 1681 1015235 | 7380 | 34629 | 97299 | +++++ 400 | 2.00 1000 | 10.0 | 40.0 | 100 |
| 1,4-Dioxane | DXE | Ave | +++++ 169397 | 2456 425734 | 3875 | 15397 | 42099 | +++++ 4000 | 50.0 10000 | 100 | 400 | 1000 |
| Propyl acetate | FB | Ave | +++++ 918551 | 4161 2243857 | 16429 | 75240 | 215183 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| 2-Chloroethyl vinyl ether | FB | Ave | +++++ 402493 | 1249 1032555 | 5419 | 29352 | 89187 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| cis-1,3-Dichloropropene | CBNZ d5 | Ave | +++++ 936465 | 3912 2382211 | 17434 | 82005 | 229707 | +++++ 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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Toluene | CBNZ d5 | Ave | +++++<br>2544043 | 15327<br>6037450 | 60838 | 256141 | 656433 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Epichlorohydrin | BUT | Ave | 900<br>861936 | 4155<br>2194094 | 18592 | 82984 | 200942 | 5.00<br>4000 | 20.0<br>10000 | 100 | 400 | 1000 |
| Tetrachloroethene | CBNZ d5 | Ave | +++++<br>590983 | 3733<br>1476920 | 13771 | 56377 | 146092 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Methyl-2-pentanone | BUT | Ave | +++++<br>2800608 | 12667<br>6028834 | 58406 | 275772 | 737868 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| trans-1,3-Dichloropropene | CBNZ d5 | Ave | +++++<br>842262 | 3673<br>2095316 | 15903 | 73769 | 204708 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,2-Trichloroethane | CBNZ d5 | Ave | +++++<br>482380 | 2448<br>1196946 | 10968 | 46104 | 120837 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dibromochloromethane | CBNZ d5 | Ave | +++++<br>494520 | 1933<br>1349061 | 7831 | 36060 | 106770 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3-Dichloropropane | CBNZ d5 | Ave | +++++<br>990195 | 5174<br>2463607 | 21854 | 95263 | 249993 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dibromoethane | CBNZ d5 | Ave | +++++<br>571438 | 2945<br>1442143 | 12288 | 51861 | 138957 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Butyl acetate | CBNZ d5 | Ave | +++++<br>960100 | 3255<br>2396206 | 13455 | 70449 | 220258 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Hexanone | BUT | Ave | +++++<br>2039449 | 7947<br>4658959 | 36828 | 189064 | 514205 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Chlorobenzene | CBNZ d5 | Ave | +++++<br>1657086 | 10021<br>4044690 | 39431 | 166946 | 426549 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethylbenzene | CBNZ d5 | Ave | +++++<br>897127 | 4571<br>2145149 | 20201 | 88085 | 231265 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,1,2-Tetrachloroethane | CBNZ d5 | Ave | +++++<br>510653 | 2230<br>1313392 | 9885 | 42443 | 118535 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| m-Xylene & p-Xylene | CBNZ d5 | Ave | +++++<br>1112979 | 5255<br>2687815 | 22071 | 103650 | 280129 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| o-Xylene | CBNZ d5 | Ave | +++++<br>1088309 | 4517<br>2655961 | 19177 | 99005 | 271423 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromoform | DCBd 4 | Ave | +++++<br>294497 | 898<br>860565 | 3808 | 17671 | 55233 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Styrene | CBNZ d5 | Ave | +++++<br>1850862 | 6877<br>4401938 | 32118 | 170052 | 465277 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Butyl acrylate | CBNZ d5 | Ave | +++++<br>510447 | 1323<br>1282090 | 6171 | 35492 | 111472 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropylbenzene | CBNZ d5 | Ave | +++++<br>2674424 | 10758<br>6408513 | 51265 | 253693 | 676843 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Amyl acetate | DCBd 4 | Ave | +++++<br>1071640 | 2997<br>2606022 | 14591 | 79771 | 242023 | +++++<br>200 | 1.00<br>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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Bromobenzene | DCBd 4 | Ave | +++++<br>711958 | 3993<br>1784312 | 15496 | 66445 | 175702 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| N-Propylbenzene | DCBd 4 | Ave | +++++<br>3101629 | 15592<br>7326231 | 65318 | 299049 | 783705 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,2,2-Tetrachloroethane | DCBd 4 | Ave | +++++<br>769736 | 3739<br>1903698 | 16265 | 71055 | 188160 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Chlorotoluene | DCBd 4 | Ave | +++++<br>2128591 | 10957<br>5010287 | 47075 | 213083 | 551971 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trichloropropane | DCBd 4 | Ave | +++++<br>229264 | 1176<br>575769 | 5102 | 21104 | 56085 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3,5-Trimethylbenzene | DCBd 4 | Ave | +++++<br>2190064 | 9248<br>5262576 | 41683 | 207935 | 552725 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Chlorotoluene | DCBd 4 | Ave | +++++<br>2018243 | 9502<br>4884507 | 43364 | 197133 | 512947 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| tert-Butylbenzene | DCBd 4 | Ave | +++++<br>1810946 | 7329<br>4359967 | 30673 | 162753 | 453419 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Butyl Methacrylate | DCBd 4 | Ave | +++++<br>882678 | 1948<br>2077064 | 10661 | 63620 | 198778 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4-Trimethylbenzene | DCBd 4 | Ave | +++++<br>2273064 | 8755<br>5274884 | 45543 | 225988 | 588237 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| sec-Butylbenzene | DCBd 4 | Ave | +++++<br>2609392 | 11093<br>6142587 | 50123 | 242793 | 663746 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1290069 | 7405<br>3049557 | 29112 | 128276 | 332044 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| p-Isopropyltoluene | DCBd 4 | Ave | +++++<br>2208235 | 8025<br>5097532 | 39288 | 204953 | 567502 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,4-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1338757 | 8228<br>3184841 | 31599 | 132247 | 337544 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trimethylbenzene | DCBd 4 | Ave | +++++<br>2503073 | 10612<br>5694206 | 47748 | 230127 | 624491 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Benzyl chloride | DCBd 4 | Ave | +++++<br>267586 | 608<br>675730 | 3087 | 17208 | 53775 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Butylbenzene | DCBd 4 | Ave | +++++<br>1046405 | 4389<br>2405880 | 20755 | 98708 | 270657 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1273367 | 7052<br>2975552 | 29069 | 127563 | 325507 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | DCBd 4 | Ave | +++++<br>140226 | 446<br>383767 | 2139 | 9528 | 29139 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4-Trichlorobenzene | DCBd 4 | Ave | +++++<br>770828 | 4181<br>1693170 | 15369 | 70885 | 194772 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Hexachlorobutadiene | DCBd 4 | Ave | +++++<br>226135 | 1535<br>487019 | 5237 | 22188 | 60109 | +++++<br>200 | 1.00<br>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.: 460-152888-1 Analy Batch No.: 504243

SDG No.:

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

Calibration Start Date: 03/17/2018 04:53 Calibration End Date: 03/17/2018 12:52 Calibration ID: 67065

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Naphthalene | DCBd 4 | Ave | +++++<br>1881647 | 7997<br>4371818 | 30134 | 163893 | 470833 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trichlorobenzene | DCBd 4 | Ave | +++++<br>683011 | 3686<br>1590200 | 14505 | 65504 | 172070 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dibromofluoromethane (Surr) | FB | Ave | 122887<br>123359 | 121307<br>123486 | 120000 | 123122 | 122829 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 146824<br>149424 | 144638<br>150966 | 144851 | 148166 | 149903 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBNZ d5 | Ave | 526718<br>574111 | 537268<br>595406 | 519839 | 550593 | 554537 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| Bromofluorobenzene | CBNZ d5 | Ave | 143598<br>172295 | 159278<br>180823 | 153009 | 162025 | 167200 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Mar-2018 04:53:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0068911-002
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 21-Mar-2018 10:41:09 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: baronm Date: 19-Mar-2018 17:07:40

| 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 | 2.274 | 2.282 | -0.008 | 97 | 217072 | 1000.0 | 1000.0 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 99 | 2571 | 2.00 | 2.18 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.327 | 0.001 | 98 | 122887 | 50.0 | 53.2 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 303332 | 250.0 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 146824 | 50.0 | 52.6 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 527214 | 50.0 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 96 | 27788 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.616 | 5.615 | 0.001 | 99 | 526718 | 50.0 | 51.5 | |
| 80 Epichlorohydrin | 57 | 5.714 | 5.706 | 0.008 | 26 | 900 | 5.00 | 4.71 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 85 | 401966 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 90 | 143598 | 50.0 | 47.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 95 | 206142 | 50.0 | 50.0 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00245 | Amount Added: | 0.00 | Units: uL | |
| Ethanol mix_00013 | Amount Added: | 0.00 | Units: uL | |
| MIX 2 Hi_00068 | Amount Added: | 0.00 | Units: uL | |
| MIX I Hi_00087 | Amount Added: | 0.00 | Units: uL | |
| ACROLEIN W_00074 | Amount Added: | 0.00 | Units: uL | |
| ACRY/EPIH MIX_00046 | Amount Added: | 2.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

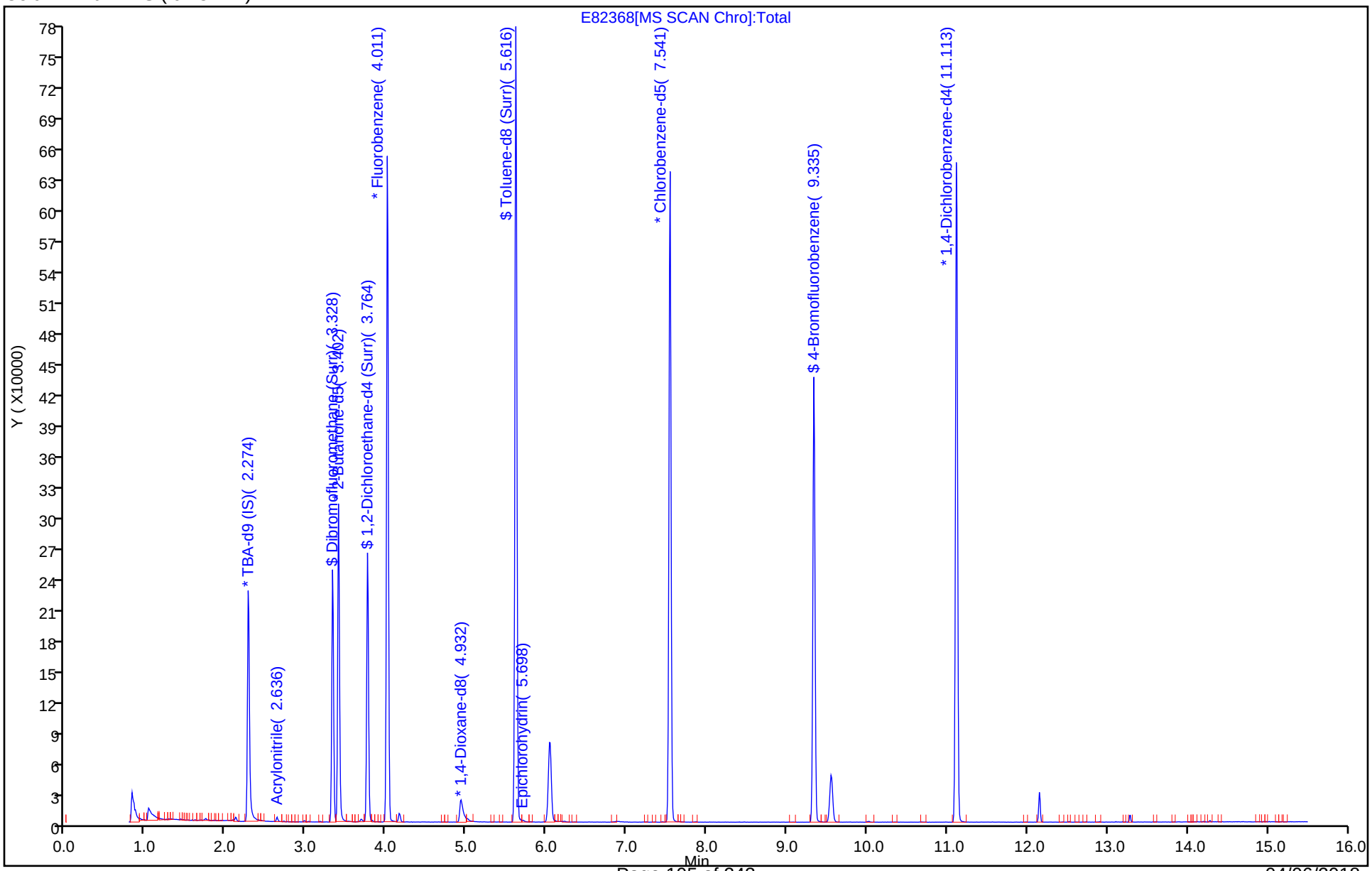
Report Date: 21-Mar-2018 10:41:16 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 17-Mar-2018 04:53:30 | 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 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



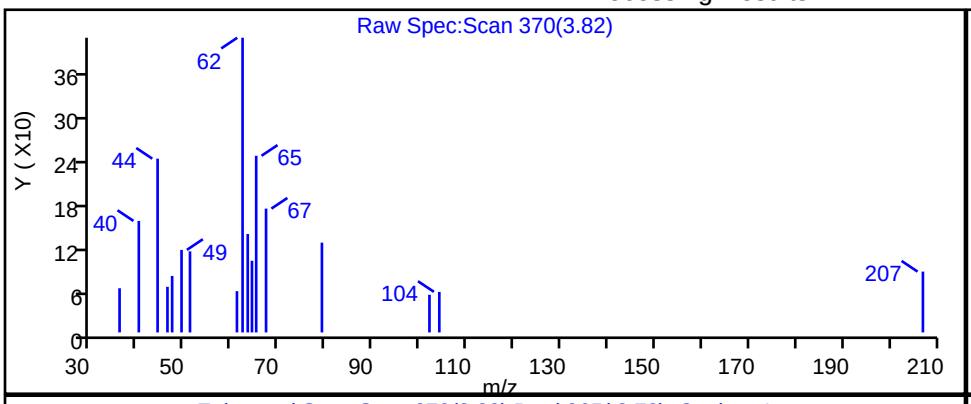
User Disabled Compound Report

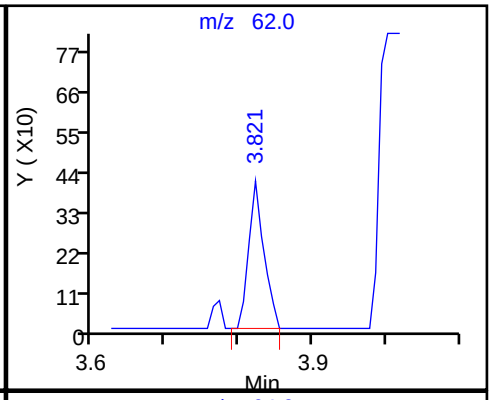
TestAmerica Edison

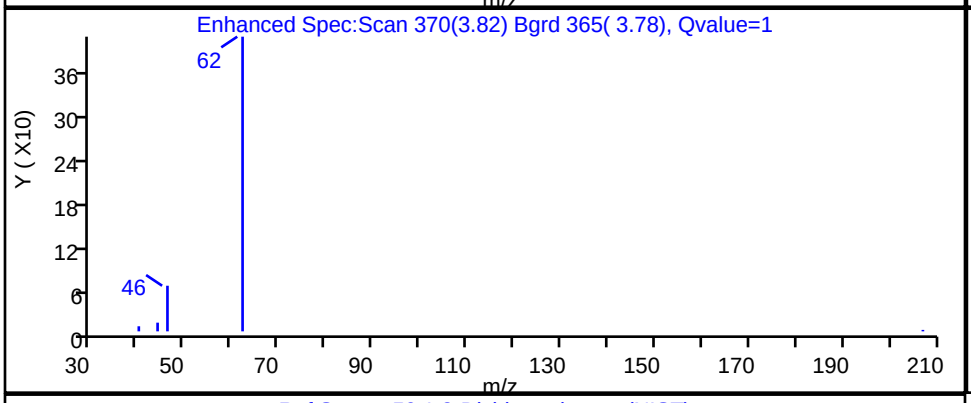
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

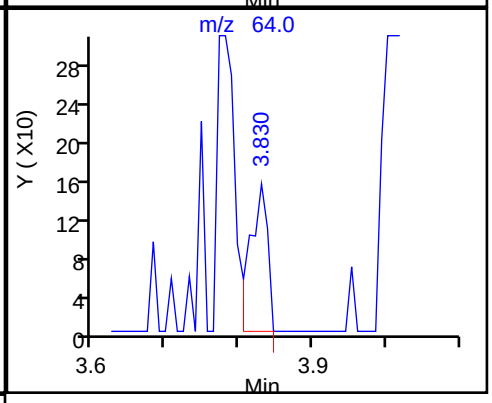
## 59 1,2-Dichloroethane, CAS: 107-06-2

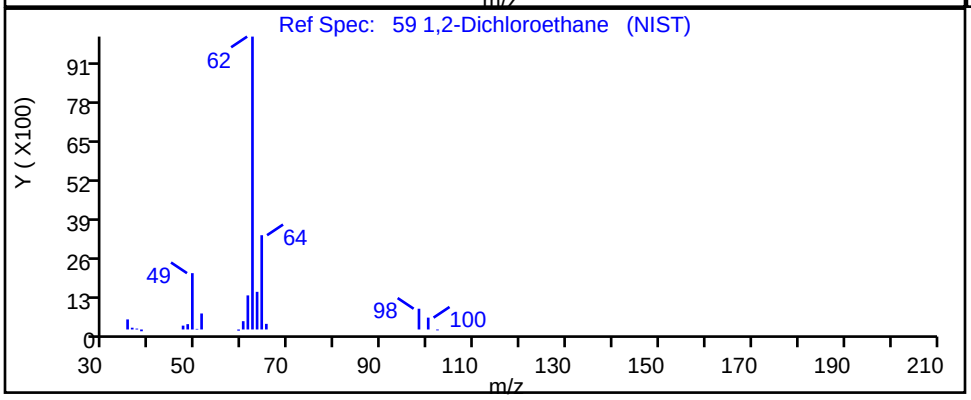
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.82 | 62.00 | 592 | 0.169053 |
| 3.83 | 64.00 | 253 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

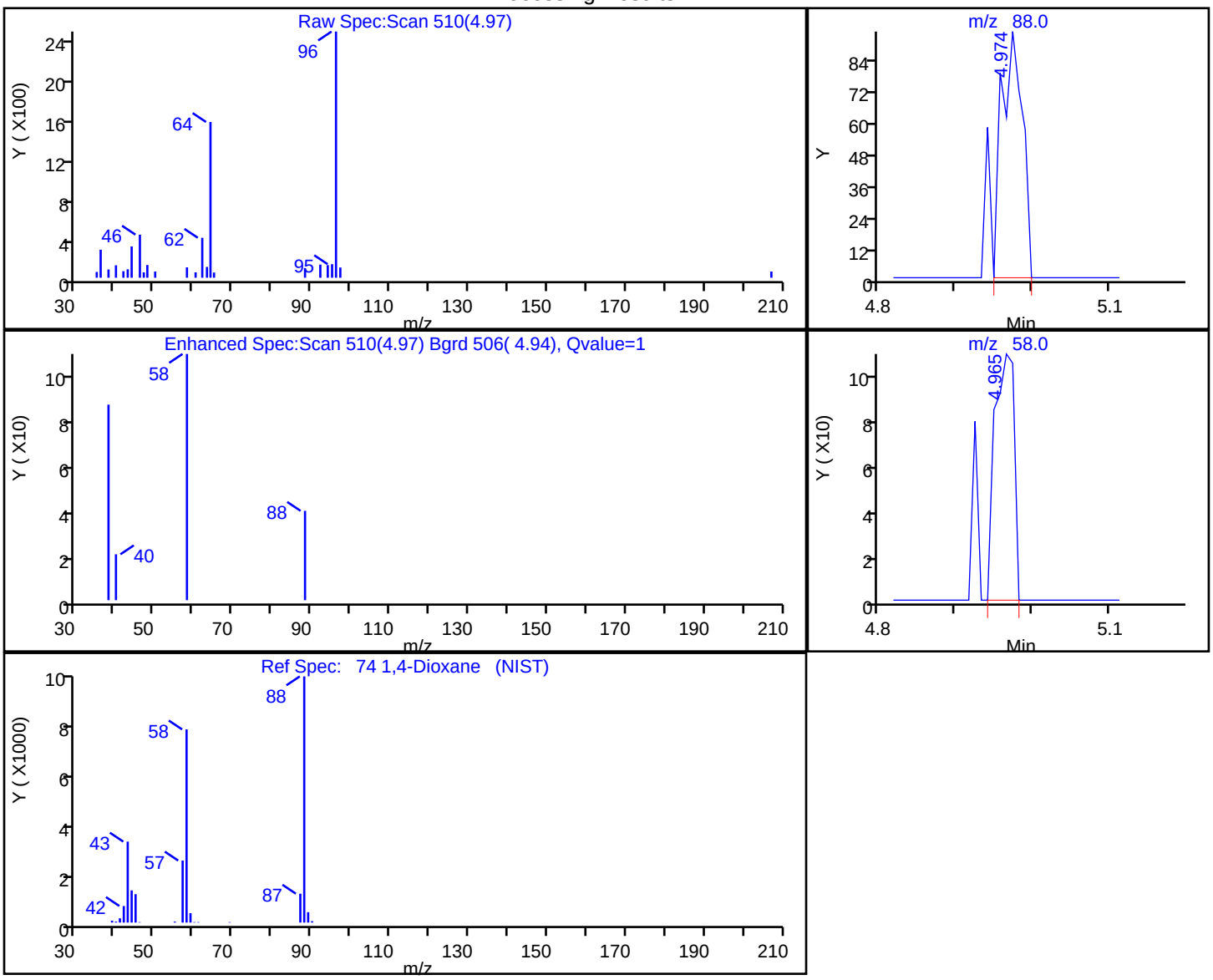
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.97 | 88.00 | 180 | 5.251660 |
| 4.97 | 58.00 | 187 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

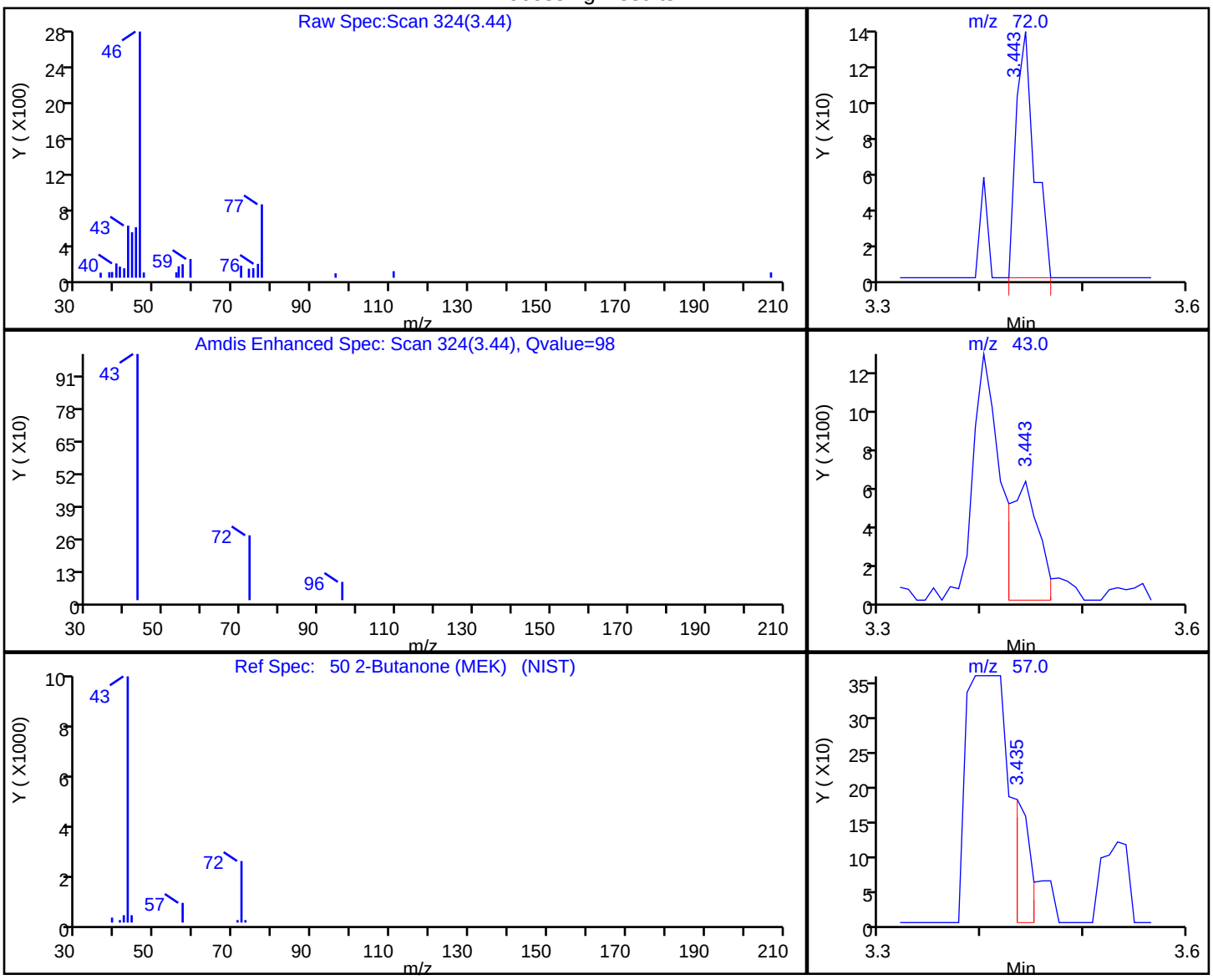
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 50 2-Butanone (MEK), CAS: 78-93-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.44 | 72.00 | 170 | 0.421845 |
| 3.44 | 43.00 | 1177 | |
| 3.43 | 57.00 | 192 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

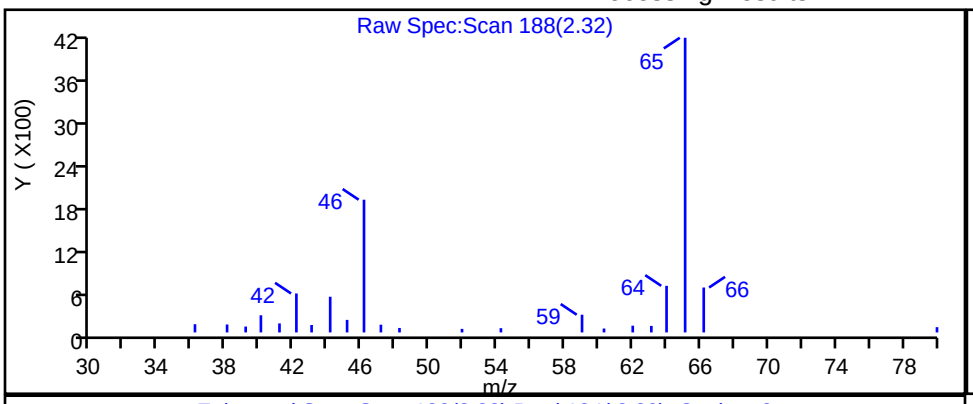
User Disabled Compound Report

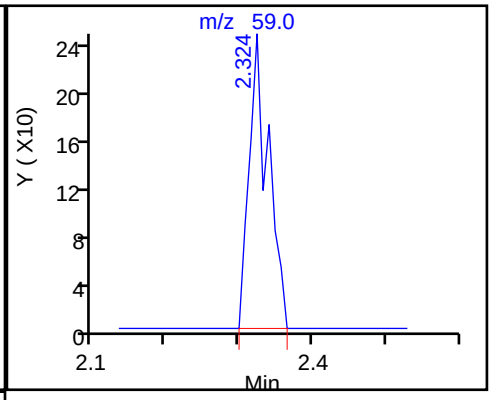
TestAmerica Edison

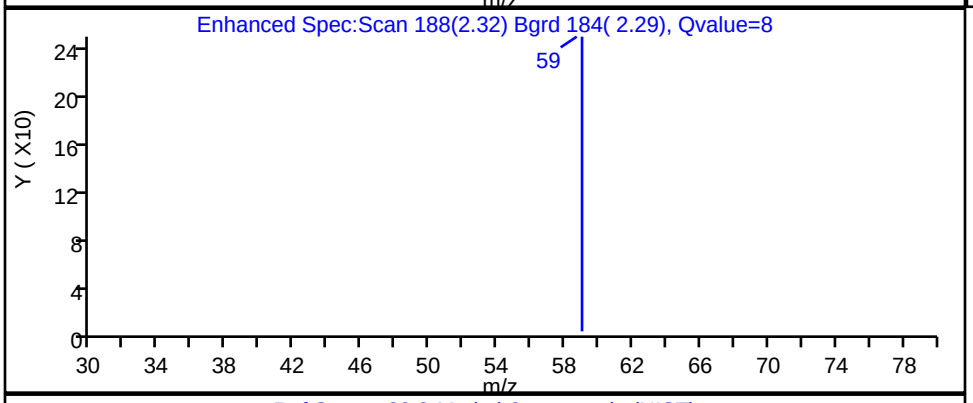
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

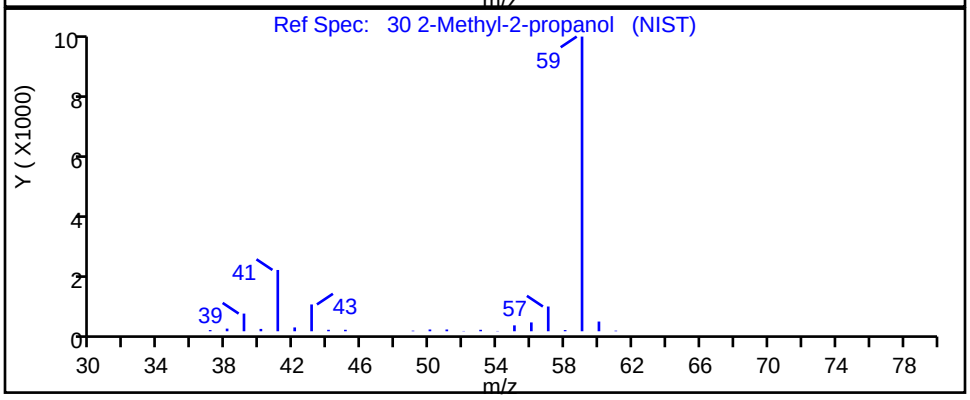
## 30 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.32 | 59.00 | 456 | 1.778325 |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

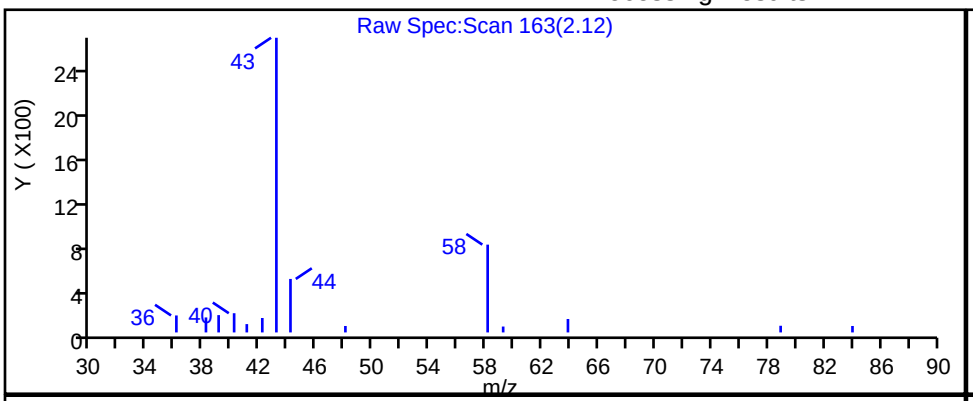
User Disabled Compound Report

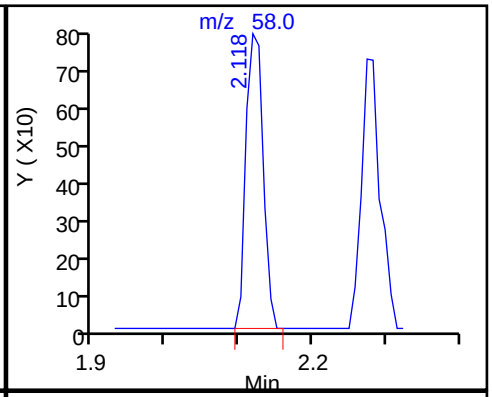
TestAmerica Edison

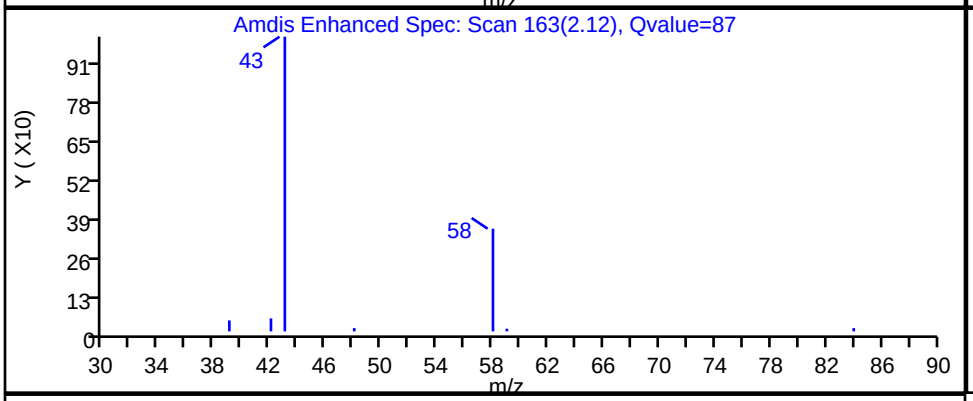
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

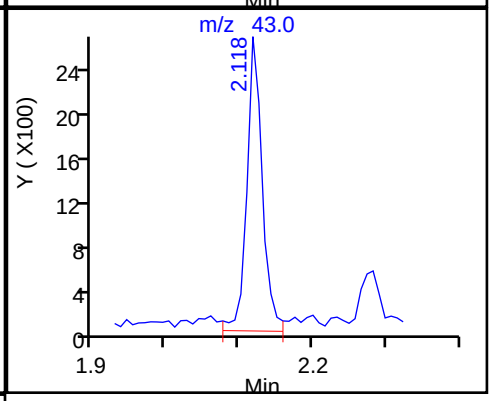
## 24 Acetone, CAS: 67-64-1

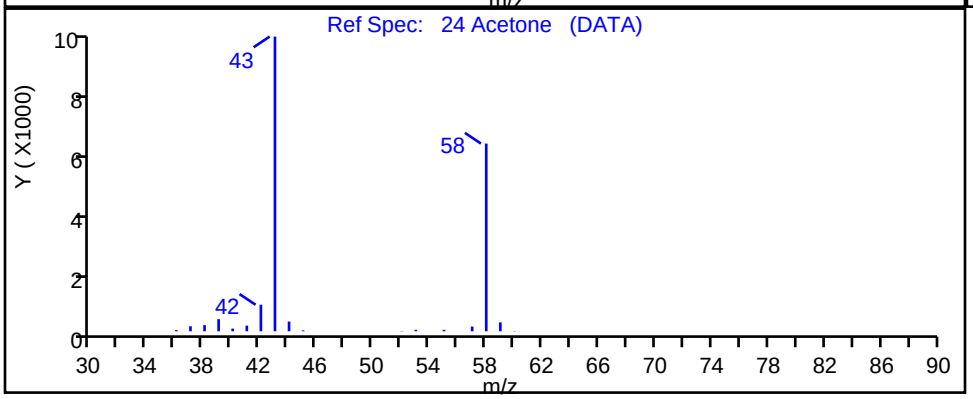
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.12 | 58.00 | 1298 | 3.949412 |
| 2.12 | 43.00 | 3874 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

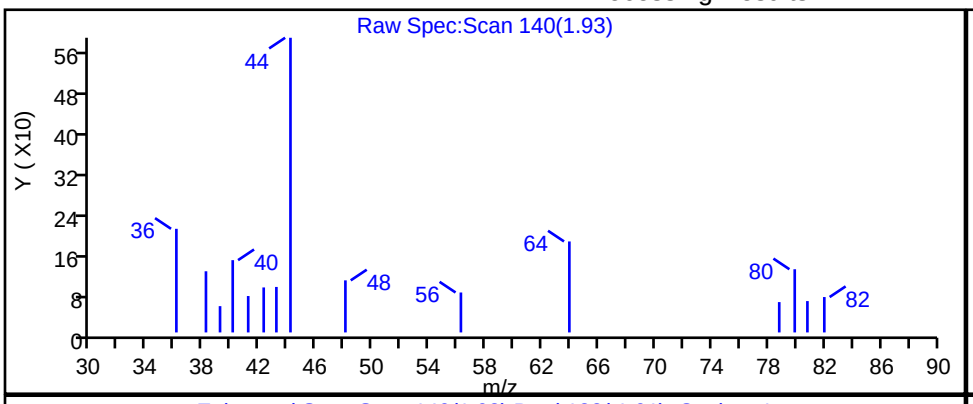
User Disabled Compound Report

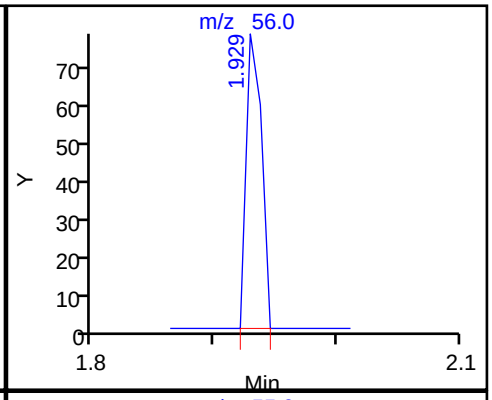
TestAmerica Edison

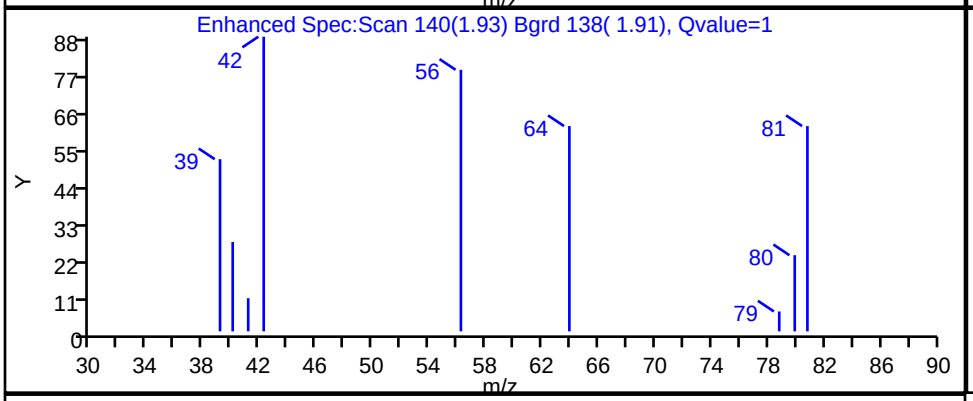
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

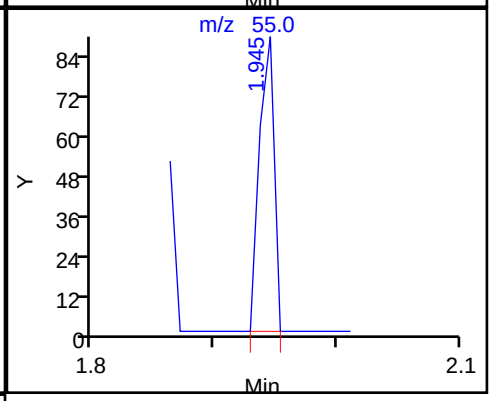
## 20 Acrolein, CAS: 107-02-8

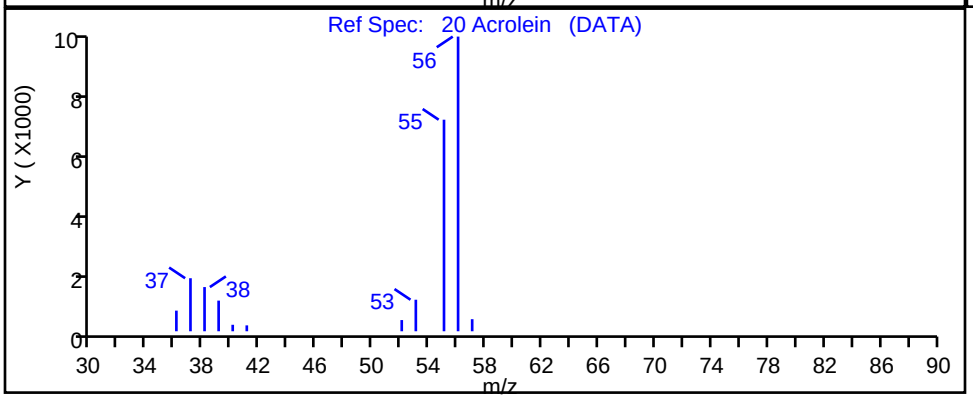
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.93 | 56.00 | 69 | 0.218251 |
| 1.95 | 55.00 | 76 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

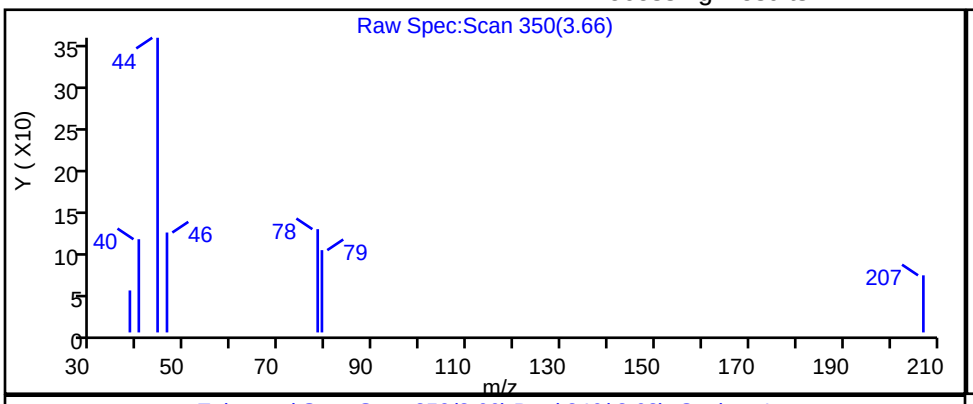
User Disabled Compound Report

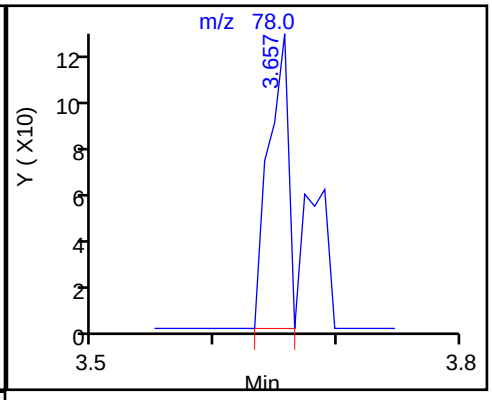
TestAmerica Edison

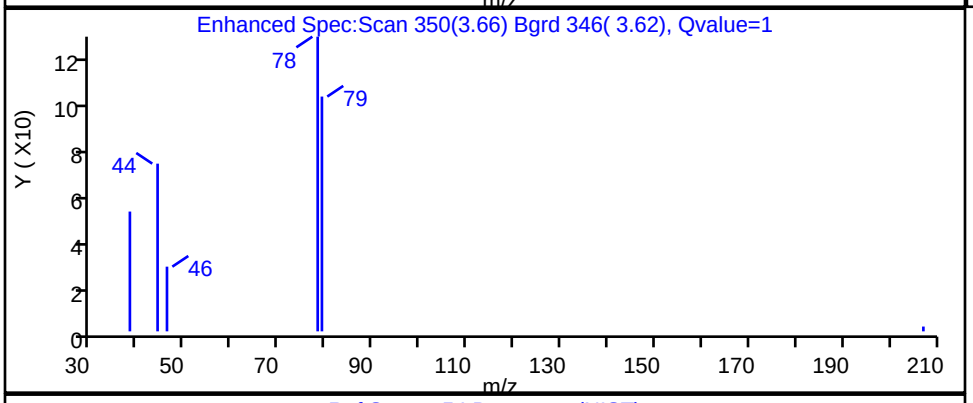
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

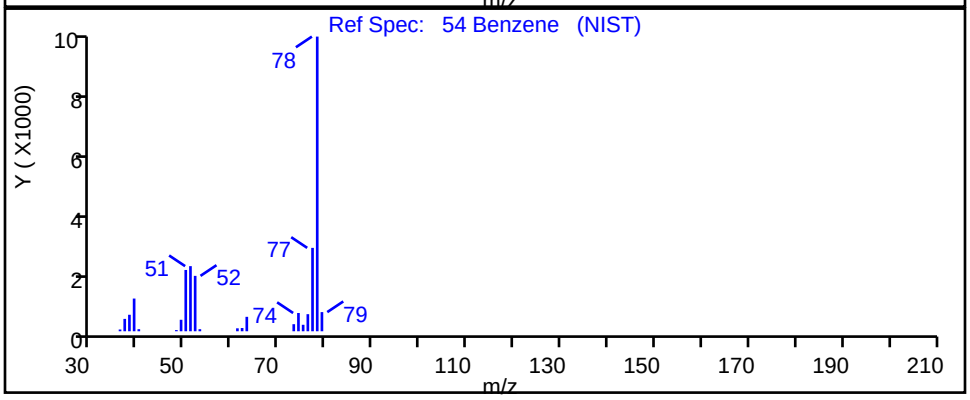
## 54 Benzene, CAS: 71-43-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.66 | 78.00 | 138 | 0.012404 |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

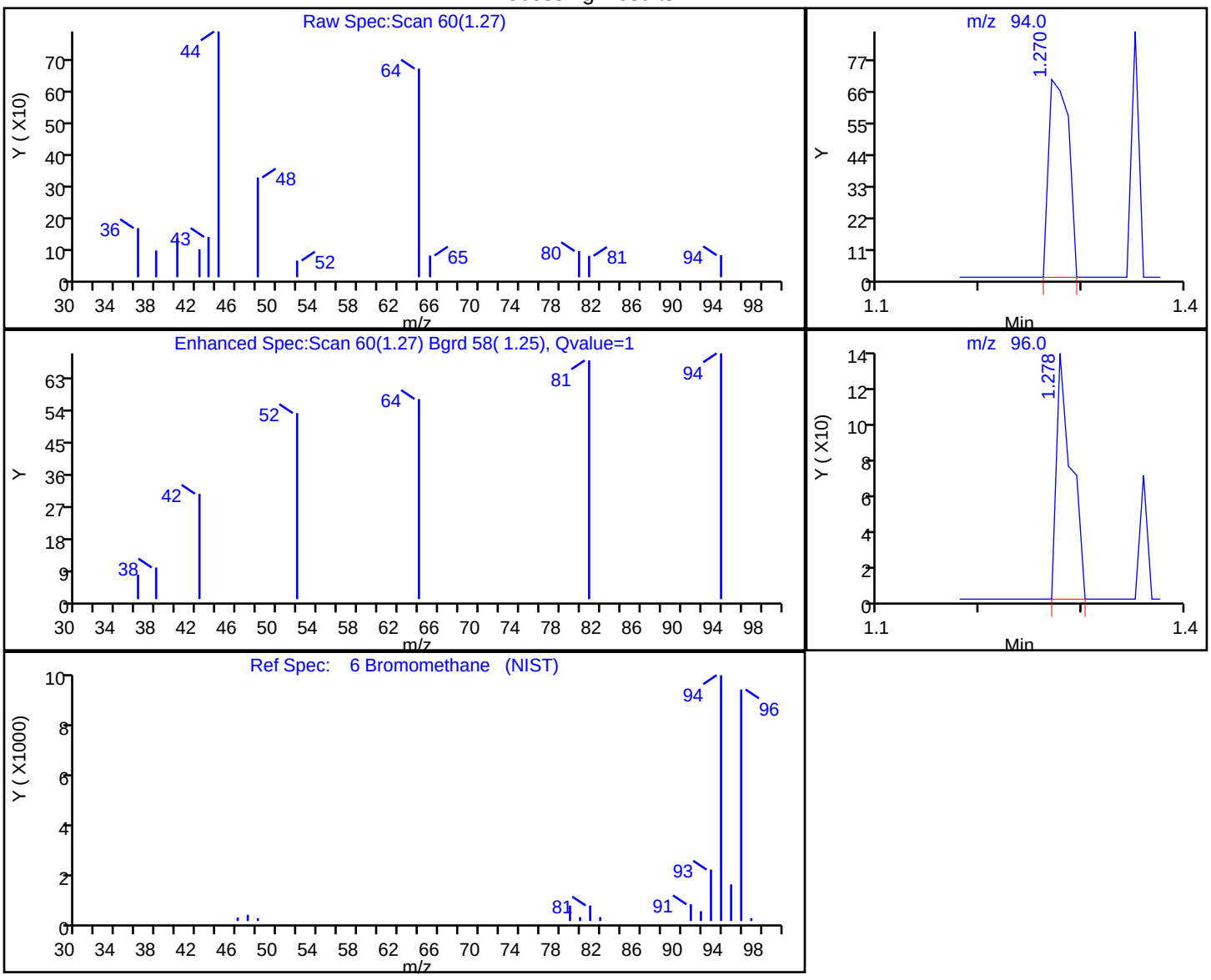
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 6 Bromomethane, CAS: 74-83-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.27 | 94.00 | 95 | 0.102138 |
| 1.28 | 96.00 | 136 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

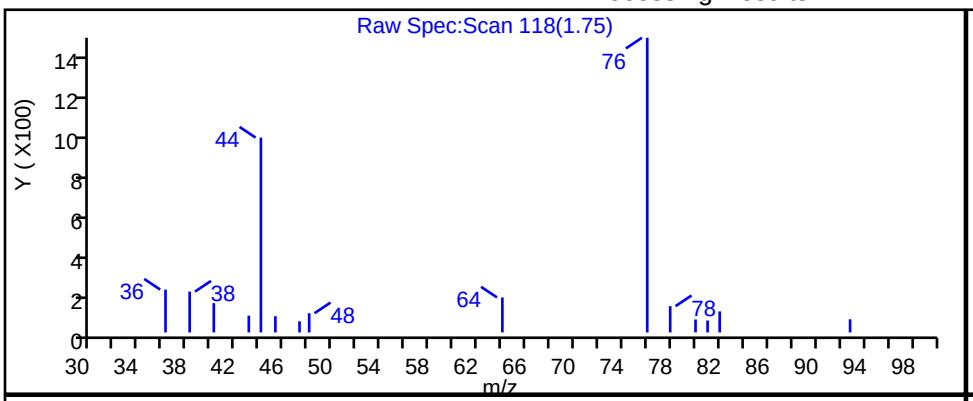
User Disabled Compound Report

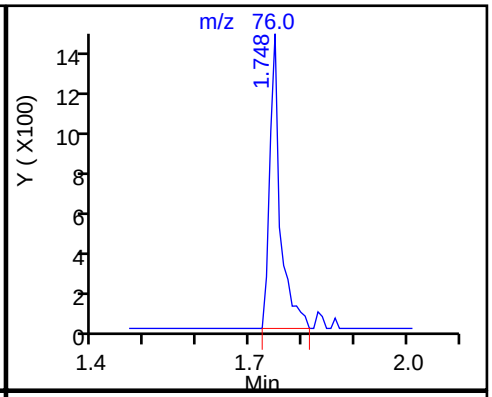
TestAmerica Edison

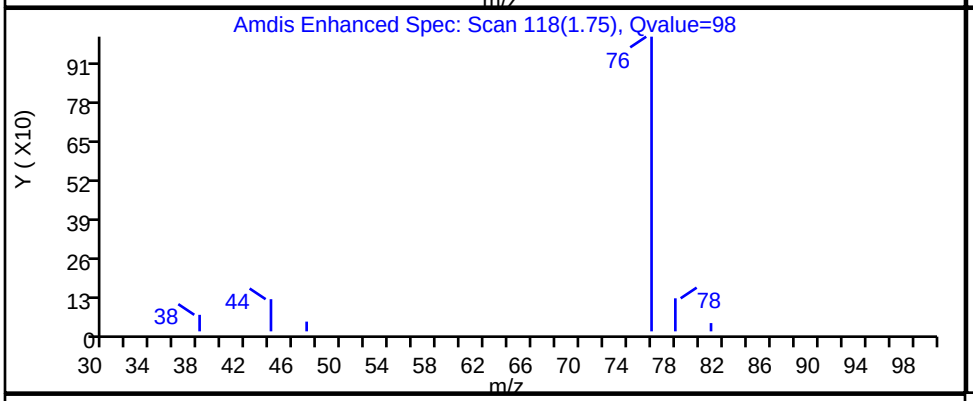
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

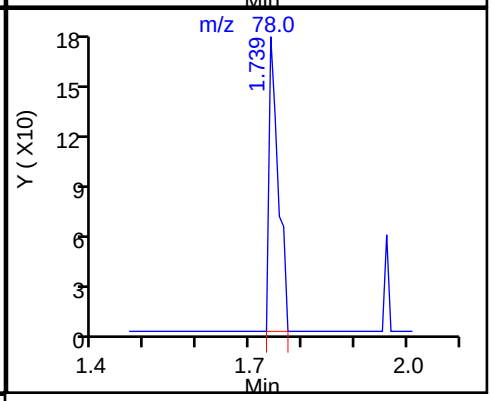
## 17 Carbon disulfide, CAS: 75-15-0

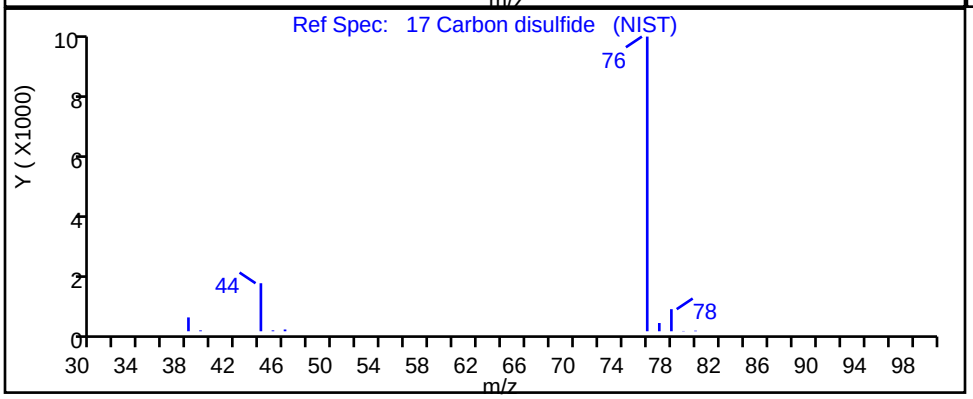
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.75 | 76.00 | 2027 | -0.458720 |
| 1.74 | 78.00 | 217 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

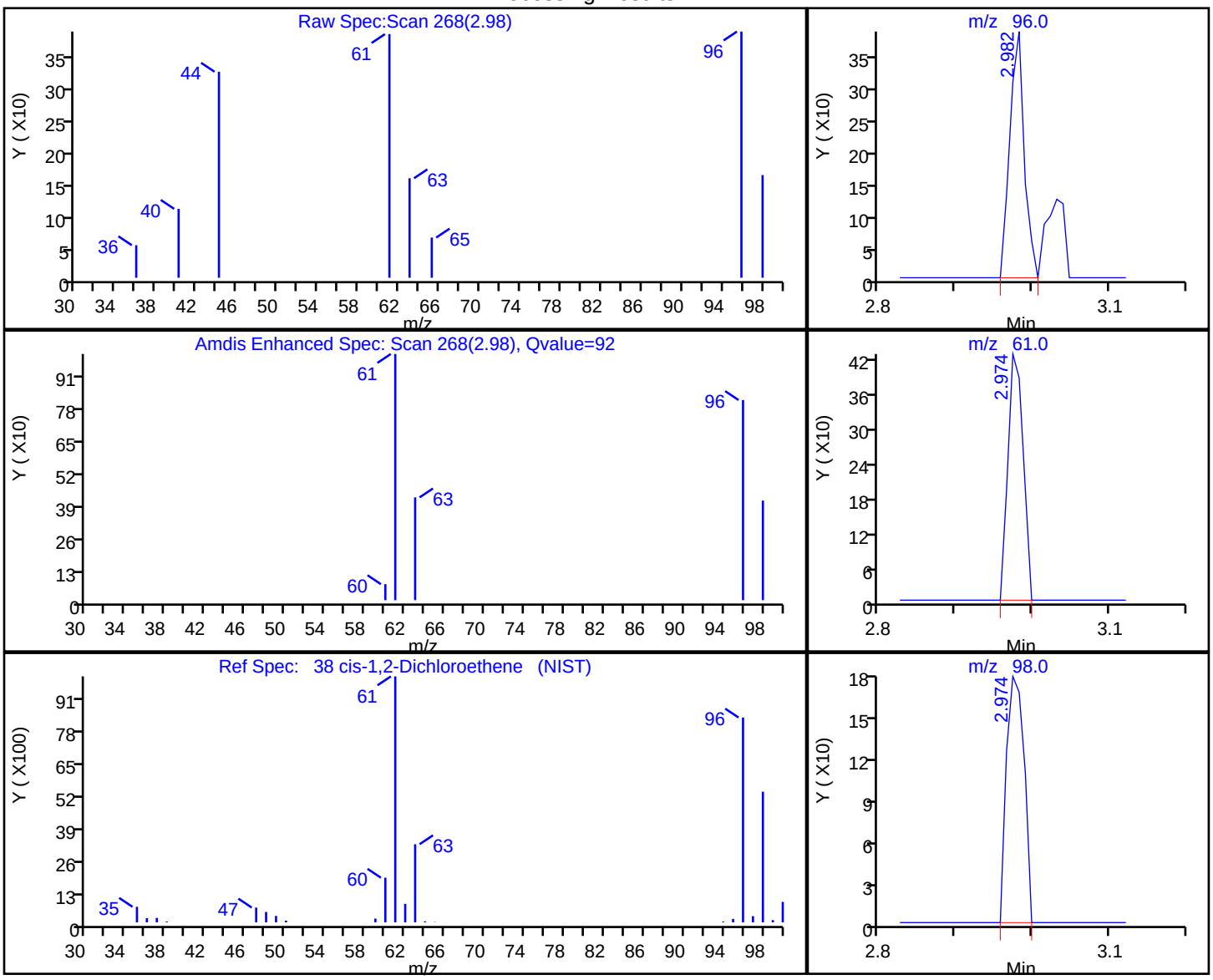
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.98 | 96.00 | 507 | 0.160336 |
| 2.97 | 61.00 | 584 | |
| 2.97 | 98.00 | 275 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

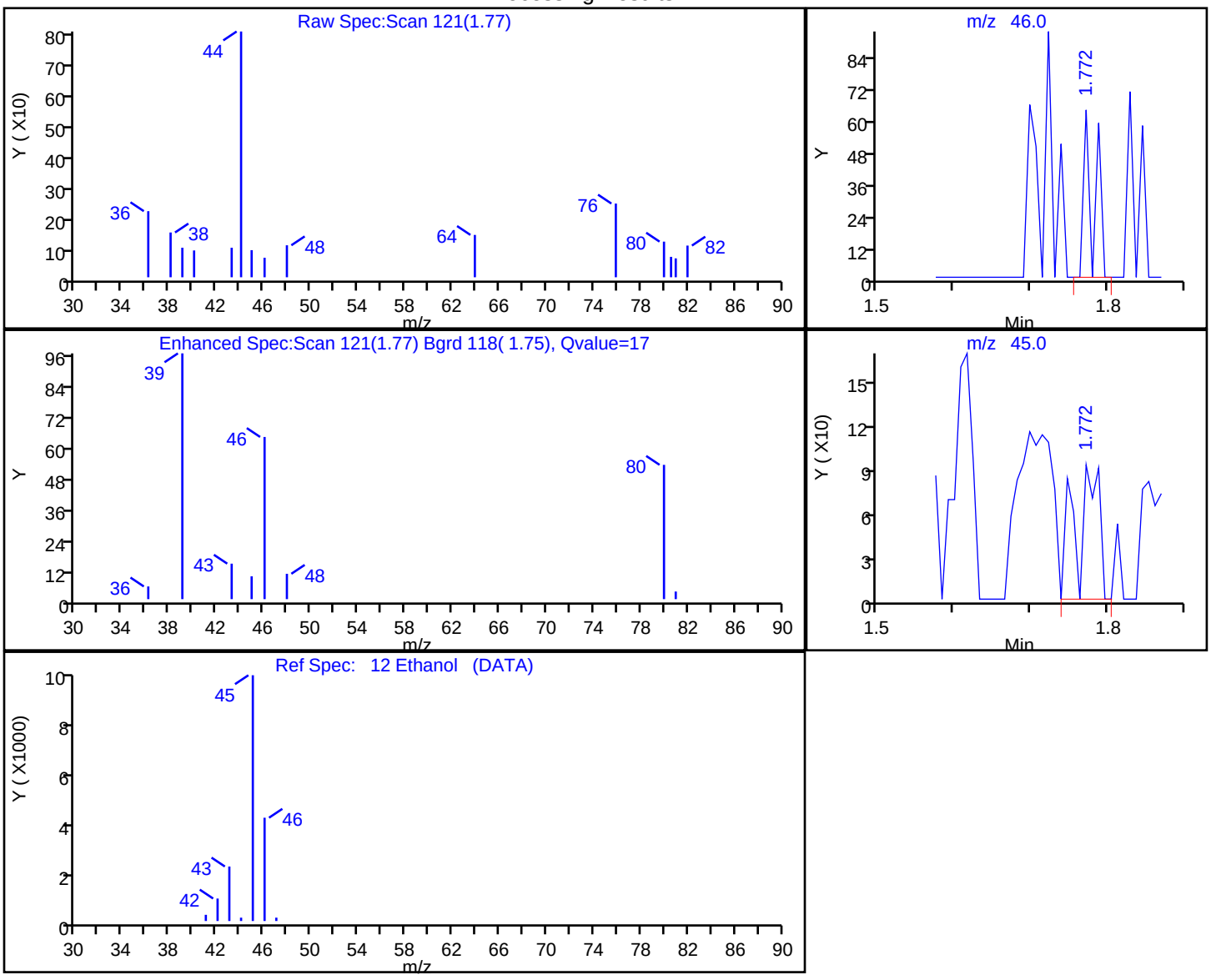
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 12 Ethanol, CAS: 64-17-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.77 | 46.00 | 61 | 3.049245 |
| 1.77 | 45.00 | 188 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

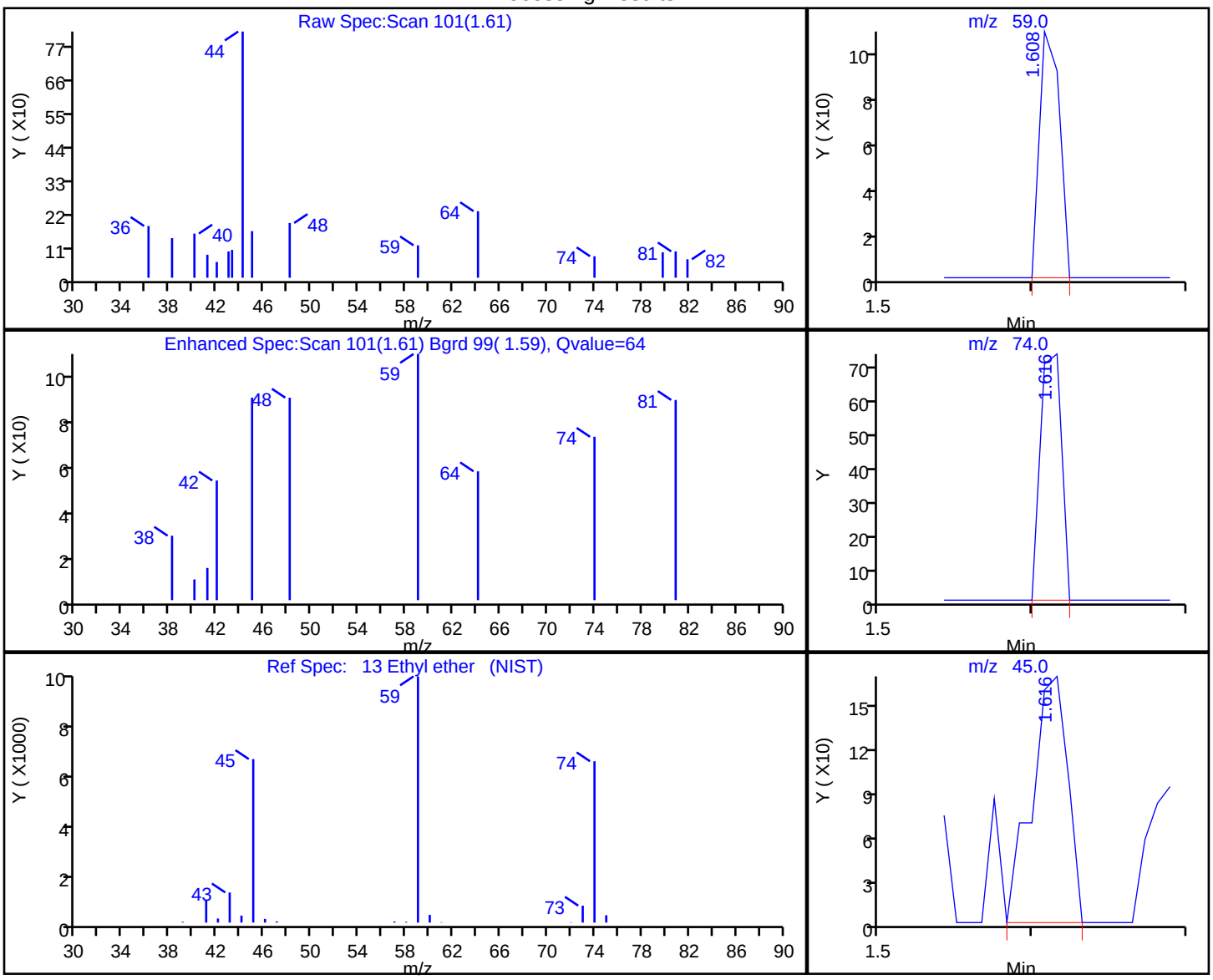
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 13 Ethyl ether, CAS: 60-29-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.61 | 59.00 | 97 | 0.046871 |
| 1.62 | 74.00 | 72 | |
| 1.62 | 45.00 | 266 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

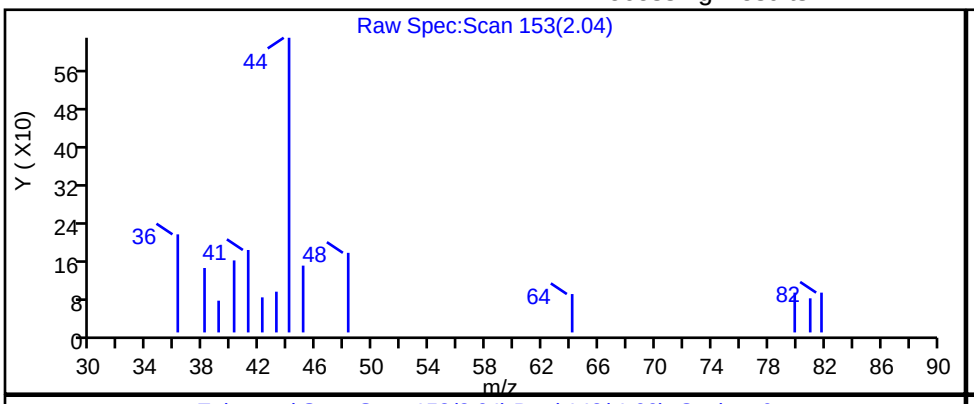
User Disabled Compound Report

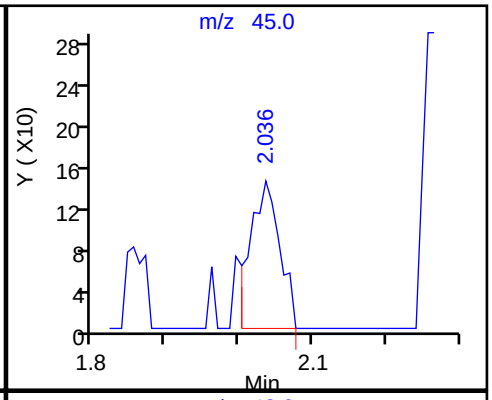
TestAmerica Edison

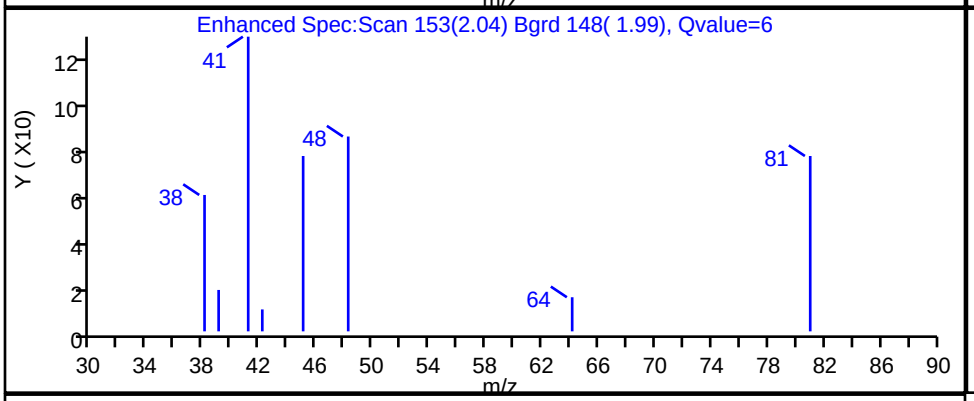
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

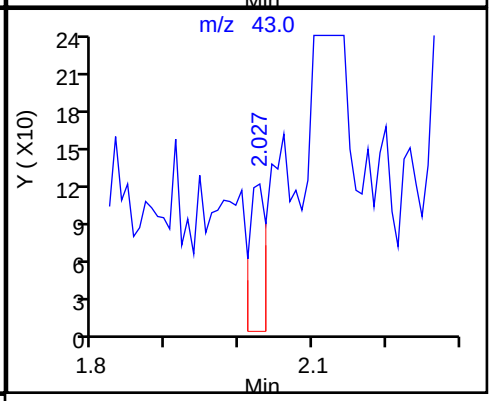
## 22 Isopropyl alcohol, CAS: 67-63-0

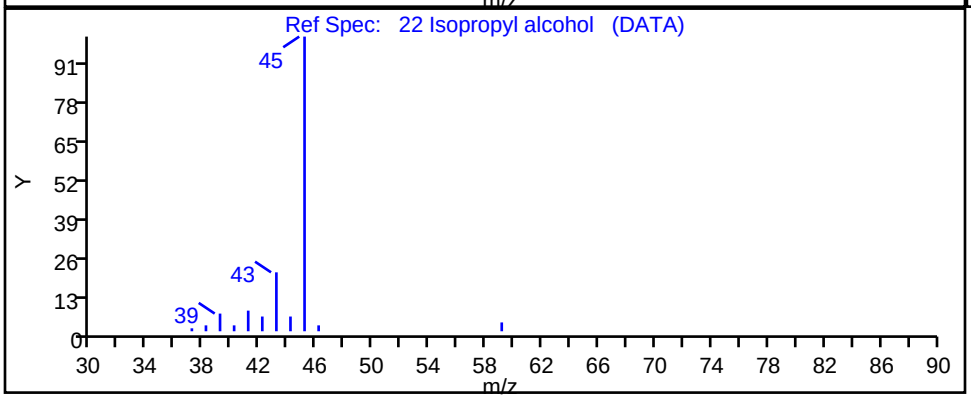
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.04 | 45.00 | 397 | 2.583852 |
| 2.03 | 43.00 | 186 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

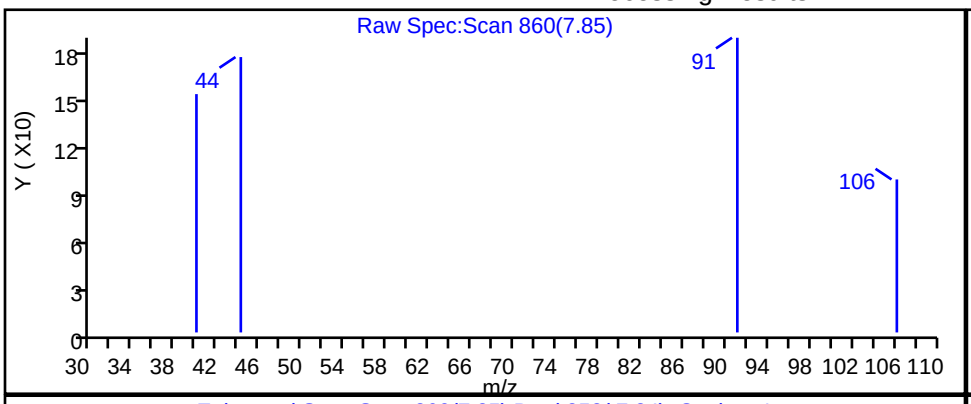
User Disabled Compound Report

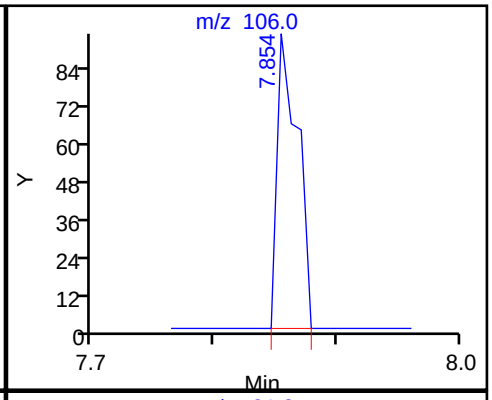
TestAmerica Edison

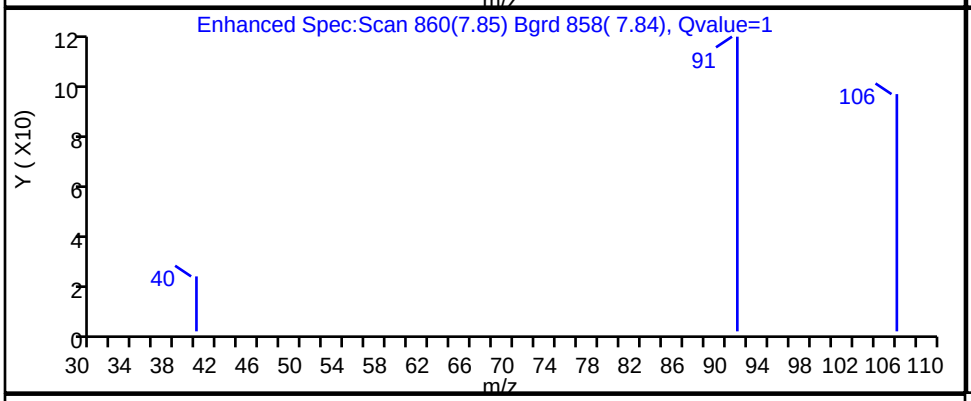
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

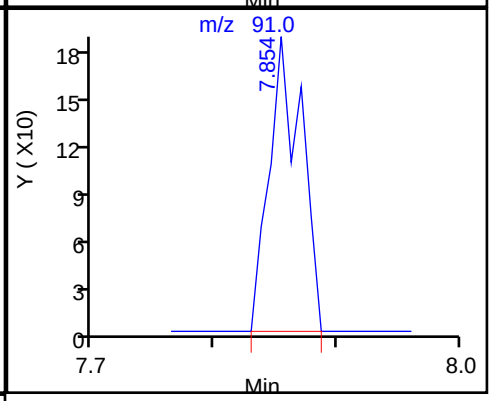
## 96 m-Xylene & p-Xylene, CAS: 179601-23-1

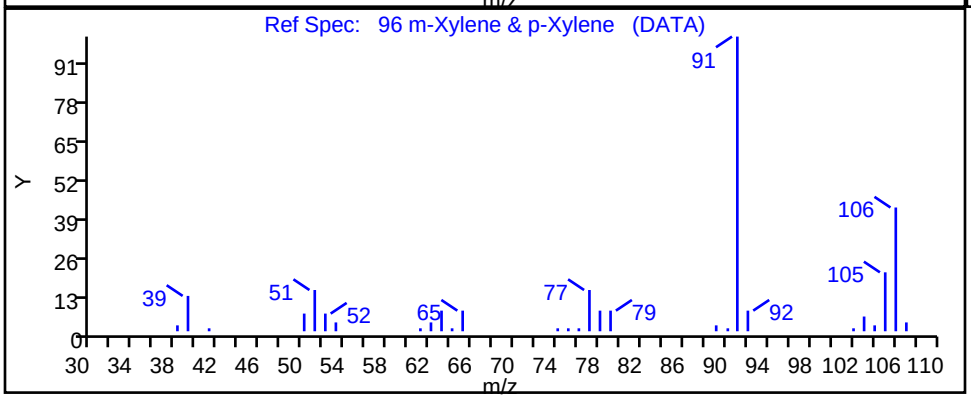
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.85 | 106.00 | 111 | 0.023177 |
| 7.85 | 91.00 | 336 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

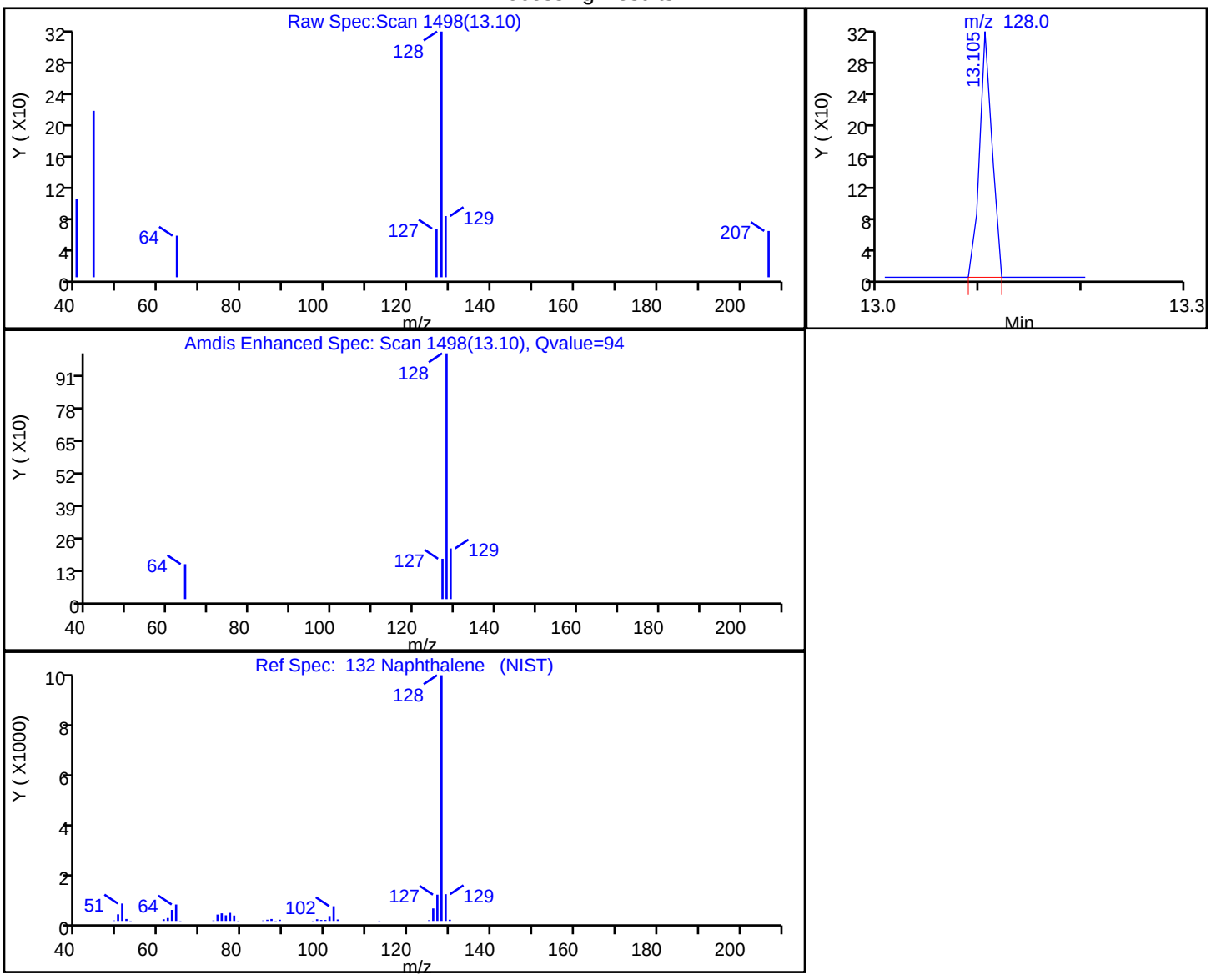
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 132 Naphthalene, CAS: 91-20-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 13.10 | 128.00 | 265 | 0.036136 |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

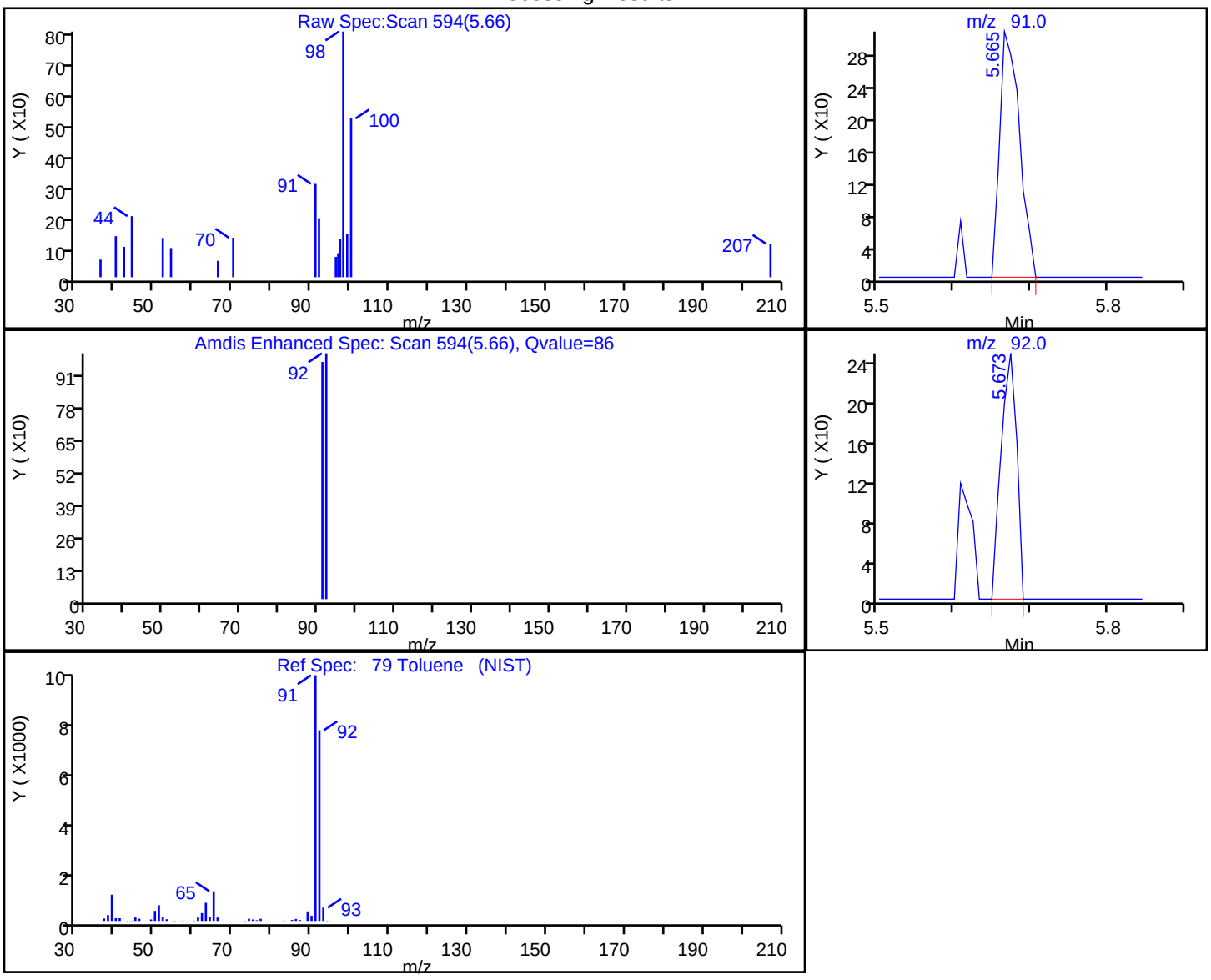
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 79 Toluene, CAS: 108-88-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.66 | 91.00 | 552 | 0.046124 |
| 5.67 | 92.00 | 346 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

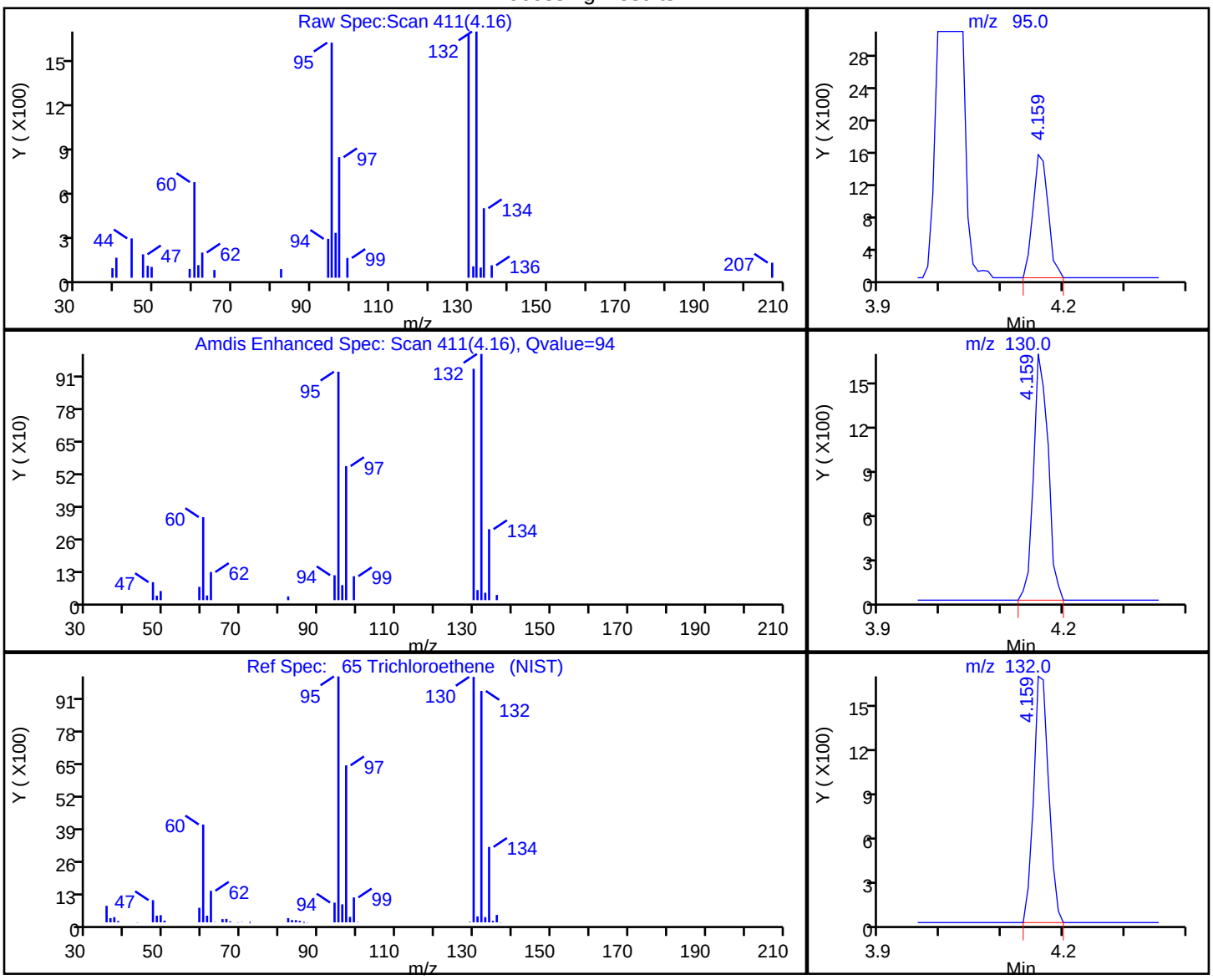
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82368.D
Injection Date: 17-Mar-2018 04:53:30 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 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 65 Trichloroethene, CAS: 79-01-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.16 | 95.00 | 2663 | 0.906518 |
| 4.16 | 130.00 | 2651 | |
| 4.16 | 132.00 | 2777 | |

Reviewer: delpolitov, 21-Mar-2018 09:54:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82371.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Mar-2018 06:13:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0068911-005
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 21-Mar-2018 10:40:39 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: tupayachia Date: 17-Mar-2018 11:20:39

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.924 | 0.924 | 0.000 | 85 | 4653 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 98 | 13883 | 5.00 | 4.40 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 98 | 15160 | 5.00 | 4.75 | |
| 4 Butadiene | 54 | 1.105 | 1.105 | 0.000 | 90 | 12854 | 5.00 | 4.59 | |
| 5 Chloromethane | 50 | 1.105 | 1.105 | 0.000 | 78 | 20115 | 5.00 | 4.66 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 99 | 4729 | 5.00 | 4.62 | M |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 98 | 4259 | 5.00 | 5.21 | |
| 8 Pentane | 72 | 1.426 | 1.418 | 0.008 | 95 | 2810 | 10.0 | 9.74 | |
| 9 Trichlorofluoromethane | 101 | 1.426 | 1.426 | 0.000 | 98 | 15049 | 5.00 | 4.97 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 18112 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 95 | 15064 | 5.00 | 4.68 | |
| 13 Ethyl ether | 59 | 1.616 | 1.616 | 0.000 | 94 | 10892 | 5.00 | 5.15 | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 99 | 11208 | 5.00 | 4.85 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 86 | 13480 | NC | NC | |
| 12 Ethanol | 46 | 1.714 | 1.723 | -0.009 | 98 | 5634 | 200.0 | 518.3 | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 100 | 32116 | 5.00 | 4.30 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.747 | 0.000 | 95 | 10253 | 5.00 | 4.78 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 4645 | 5.00 | 2.75 | M |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 96 | 26167 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 94 | 6835 | 20.0 | 20.8 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 93 | 6190 | 5.00 | 4.84 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 99 | 7984 | 50.0 | 50.1 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 88 | 15157 | 5.00 | 5.12 | M |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 89 | 7931 | 25.0 | 24.5 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 93 | 14077 | 5.00 | 4.91 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 99 | 13639 | 25.0 | 26.1 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 84 | 2906 | 5.00 | 4.99 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 91 | 36958 | 5.00 | 4.66 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 97 | 225118 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 98 | 12524 | 50.0 | 47.1 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.430 | 2.430 | 0.000 | 99 | 21252 | 50.0 | 53.1 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 95 | 39941 | 5.00 | 4.61 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.579 | 2.579 | 0.000 | 88 | 10917 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 99 | 24859 | 5.00 | 5.03 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 94 | 58456 | 50.0 | 48.5 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 90 | 35943 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 5334 | 10.0 | 10.1 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.982 | 2.974 | 0.008 | 99 | 15485 | 5.00 | 4.79 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 97 | 15141 | 5.00 | 4.62 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 89 | 17648 | 5.00 | 4.40 | |
| 41 Chlorobromomethane | 128 | 3.122 | 3.130 | -0.008 | 91 | 7160 | 5.00 | 4.90 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 100 | 23110 | 5.00 | 4.90 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 97 | 10500 | 5.00 | 4.50 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 59 | 12042 | NC | NC | |
| 45 Ethyl acetate | 70 | 3.303 | 3.303 | 0.000 | 99 | 3551 | 10.0 | 9.59 | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 95 | 10938 | 10.0 | 9.50 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.327 | 3.327 | 0.000 | 97 | 120000 | 50.0 | 50.8 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 96 | 16917 | 5.00 | 4.78 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 311063 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 98 | 10079 | 25.0 | 24.4 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 74 | 18187 | 5.00 | 4.89 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 99 | 24195 | NC | NC | |
| 53 n-Heptane | 57 | 3.624 | 3.632 | -0.008 | 89 | 5624 | 5.00 | 4.41 | |
| 54 Benzene | 78 | 3.648 | 3.648 | 0.000 | 95 | 58015 | 5.00 | 5.06 | |
| 55 Propionitrile | 54 | 3.690 | 3.690 | 0.000 | 95 | 22953 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 90 | 67126 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 95 | 144851 | 50.0 | 50.8 | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 95 | 33993 | NC | NC | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 96 | 17600 | 5.00 | 4.92 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 97 | 11508 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 90 | 7358 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 539011 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 99 | 21508 | 5.00 | 4.33 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 94 | 17189 | 5.00 | 4.45 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 98 | 15391 | 5.00 | 5.12 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.422 | -0.008 | 94 | 24384 | NC | NC | |
| 68 n-Butanol | 56 | 4.545 | 4.545 | 0.000 | 90 | 7020 | 125.0 | 102.5 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 98 | 8469 | 5.00 | 4.96 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 90 | 13811 | 5.00 | 4.81 | |
| 71 Ethyl acrylate | 55 | 4.726 | 4.727 | -0.001 | 98 | 14121 | 5.00 | 4.05 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 13565 | 5.00 | 4.61 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 84 | 29709 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.940 | 4.941 | 0.000 | 89 | 7380 | 10.0 | 8.51 | |
| 74 1,4-Dioxane | 88 | 4.965 | 4.965 | 0.000 | 91 | 3875 | 100.0 | 103.3 | M |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 97 | 16429 | 5.00 | 4.21 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 96 | 5419 | 5.00 | 3.55 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 91 | 17434 | 5.00 | 4.35 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 519839 | 50.0 | 49.3 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 60838 | 5.00 | 4.93 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 99 | 18592 | 100.0 | 94.9 | |
| 81 2-Nitropropane | 41 | 5.961 | 5.953 | 0.008 | 96 | 3239 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 96 | 13771 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 83 4-Methyl-2-pentanone (MIBK | 43 | 6.167 | 6.167 | 0.000 | 96 | 58406 | 25.0 | 23.1 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.183 | 6.183 | 0.000 | 96 | 15903 | 5.00 | 4.40 | |
| 85 1,1,2-Trichloroethane | 83 | 6.372 | 6.372 | 0.000 | 95 | 10968 | 5.00 | 4.92 | |
| 86 Ethyl methacrylate | 69 | 6.446 | 6.447 | -0.001 | 89 | 13314 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 97 | 7831 | 5.00 | 3.97 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 21854 | 5.00 | 4.76 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 97 | 12288 | 5.00 | 4.73 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 96 | 13455 | 5.00 | 3.67 | |
| 91 2-Hexanone | 43 | 7.253 | 7.253 | 0.000 | 94 | 36828 | 25.0 | 21.1 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 86 | 414264 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 95 | 39431 | 5.00 | 4.89 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 98 | 20201 | 5.00 | 4.86 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 93 | 9885 | 5.00 | 4.54 | |
| 96 m-Xylene & p-Xylene | 106 | 7.862 | 7.862 | 0.000 | 95 | 22071 | 5.00 | 4.47 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 19177 | 5.00 | 4.14 | |
| 98 Bromoform | 173 | 8.520 | 8.520 | 0.000 | 94 | 3808 | 5.00 | 3.54 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 96 | 32118 | 5.00 | 4.16 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 96 | 6171 | 5.00 | 3.39 | |
| 101 Isopropylbenzene | 105 | 8.948 | 8.948 | 0.000 | 95 | 51265 | 5.00 | 4.44 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 96 | 14591 | 5.00 | 3.66 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 90 | 153009 | 50.0 | 49.3 | |
| 104 Bromobenzene | 156 | 9.450 | 9.450 | 0.000 | 98 | 15496 | 5.00 | 4.64 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 99 | 65318 | 5.00 | 4.60 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.738 | 9.738 | 0.000 | 98 | 16265 | 5.00 | 4.67 | |
| 107 2-Chlorotoluene | 91 | 9.780 | 9.780 | 0.000 | 96 | 47075 | 5.00 | 4.72 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 97 | 53379 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | -0.001 | 97 | 5102 | 5.00 | 4.82 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 41683 | 5.00 | 4.35 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.002 | 10.010 | -0.008 | 61 | 3089 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.051 | 10.043 | 0.008 | 97 | 43364 | 5.00 | 4.70 | |
| 113 tert-Butylbenzene | 119 | 10.421 | 10.421 | 0.000 | 95 | 30673 | 5.00 | 4.00 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 92 | 10661 | 5.00 | 3.42 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.553 | 10.553 | 0.000 | 97 | 45543 | 5.00 | 4.57 | |
| 116 sec-Butylbenzene | 105 | 10.718 | 10.718 | 0.000 | 99 | 50123 | 5.00 | 4.40 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 97 | 29112 | 5.00 | 4.72 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 39288 | 5.00 | 4.23 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 96 | 221500 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.137 | 11.137 | 0.000 | 95 | 31599 | 5.00 | 4.85 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 47748 | 5.00 | 4.43 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 94 | 48313 | NC | NC | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 92 | 22059 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 96 | 3087 | 5.00 | 3.36 | |
| 125 n-Butylbenzene | 92 | 11.565 | 11.574 | -0.009 | 98 | 20755 | 5.00 | 4.52 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 96 | 29069 | 5.00 | 4.80 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 97 | 31643 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 92 | 2139 | 5.00 | 3.99 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 97 | 18666 | NC | NC | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 64 | 5237 | 5.00 | 4.70 | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 15369 | 5.00 | 4.41 | |
| 132 Naphthalene | 128 | 13.104 | 13.104 | 0.000 | 99 | 30134 | 5.00 | 3.82 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 14505 | 5.00 | 4.59 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 10.0 | 9.70 | |

| 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 | 8.75 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 10.0 | 8.62 | |
| S 137 Total BTEX | 1 | | | | 0 | | 25.0 | 23.5 | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

## Reagents:

| | | | | | |
|---|---|---|---|---|---|
| GAS Hi_00245 | Amount Added: | 1.00 | Units: uL | | |
| MIX 2 Hi_00068 | Amount Added: | 1.00 | Units: uL | | |
| MIX I Hi_00087 | Amount Added: | 1.00 | Units: uL | | |
| Ethanol mix_00013 | Amount Added: | 1.00 | Units: uL | | |
| ACROLEIN W_00074 | Amount Added: | 4.00 | Units: uL | | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent | |

Report Date: 21-Mar-2018 10:40:44 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82371.D

Injection Date: 17-Mar-2018 06:13:30 Instrument ID: CVOAMS5 Operator ID:

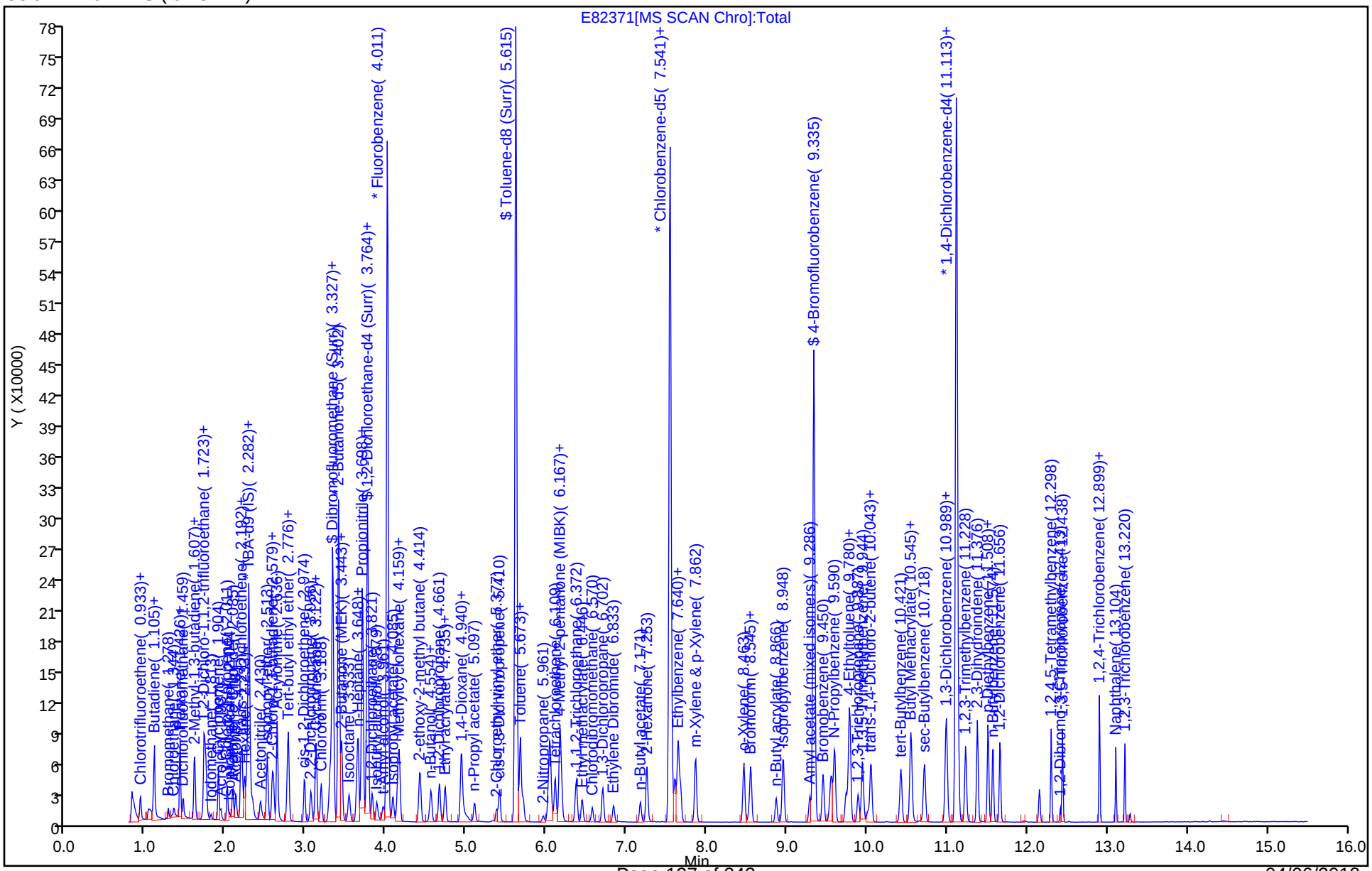
Lims ID: STD5 Worklist Smp#: 5

Client ID:

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

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm)






04/06/2018

Manual Integration/User Assign Peak Report

TestAmerica Edison

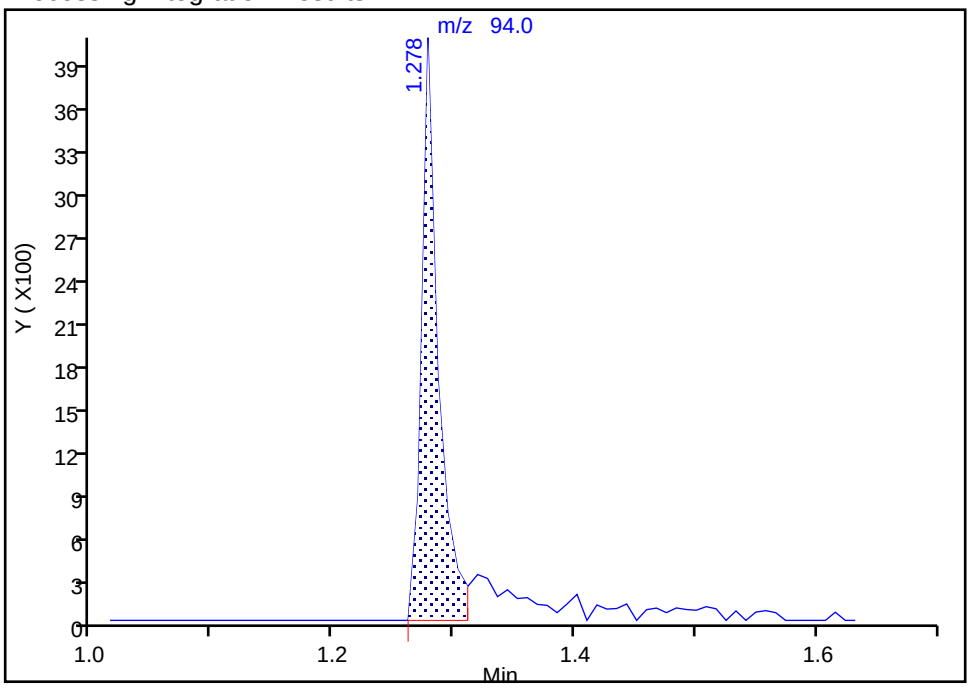
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82371.D
Injection Date: 17-Mar-2018 06:13:30 Instrument ID: CVOAMS5
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 6 Bromomethane, CAS: 74-83-9

Signal: 1

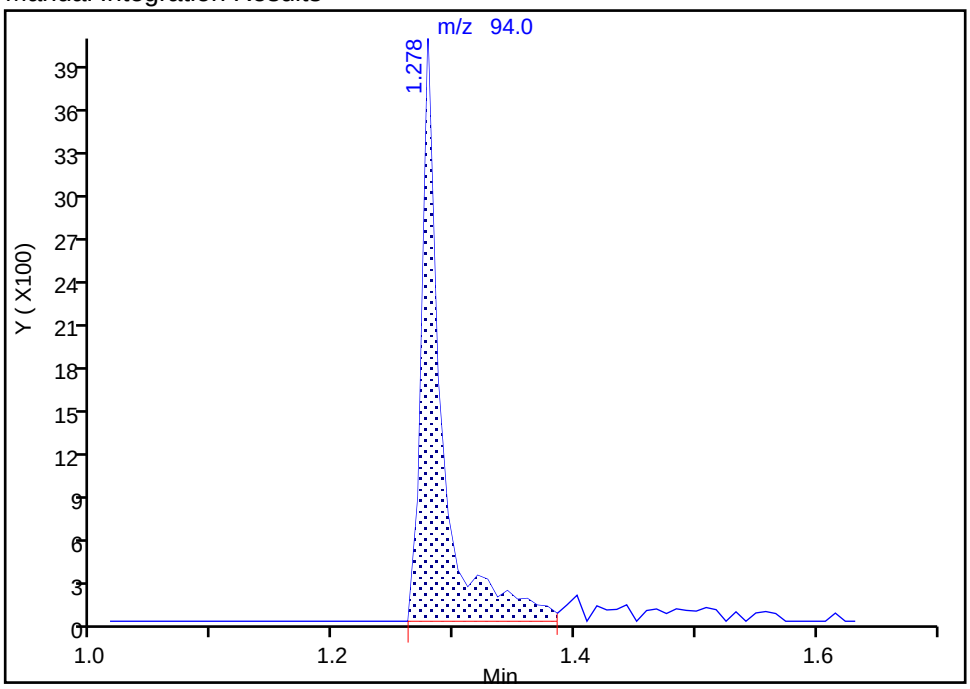
Processing Integration Results

RT: 1.28
Area: 3951
Amount: 4.096029
Amount Units: ug/l




Manual Integration Results

RT: 1.28
Area: 4729
Amount: 4.617613
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 09:54:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

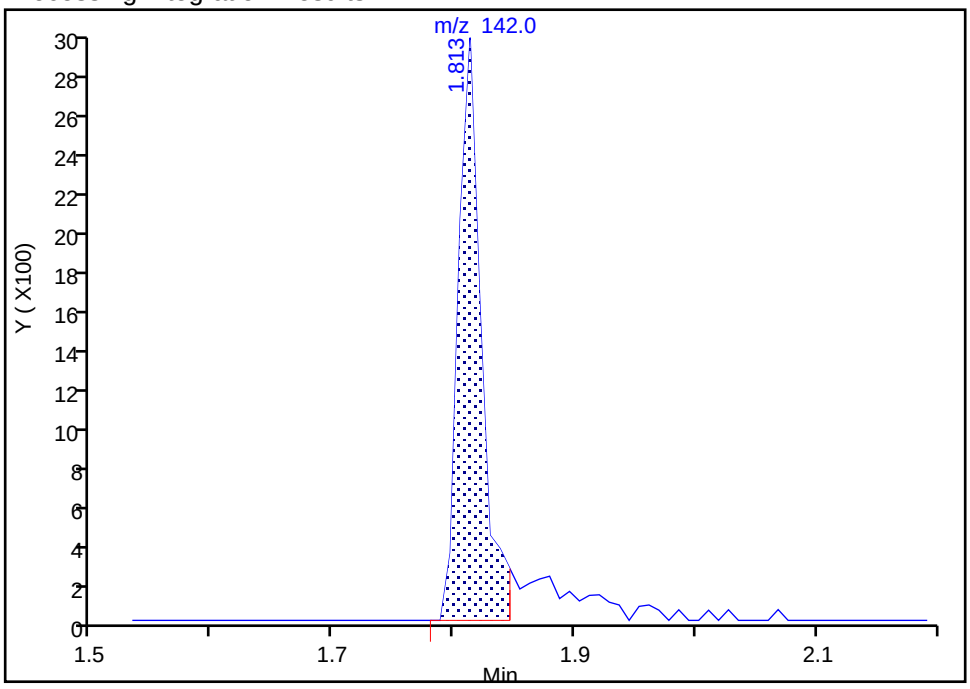
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82371.D
Injection Date: 17-Mar-2018 06:13:30 Instrument ID: CVOAMS5
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 18 Iodomethane, CAS: 74-88-4

Signal: 1

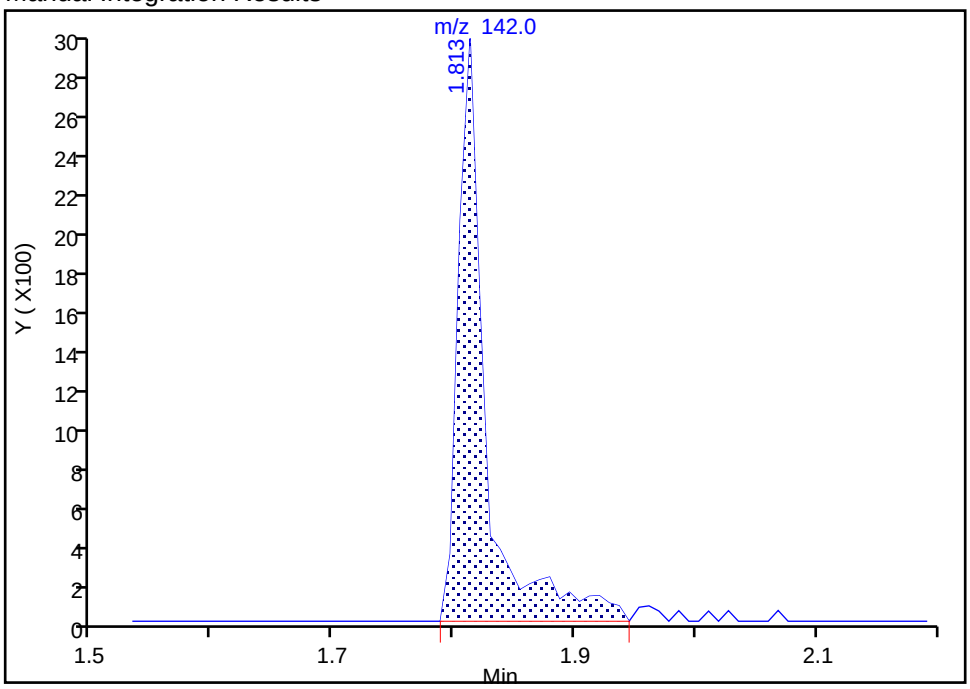
Processing Integration Results

RT: 1.81
Area: 3883
Amount: 2.439103
Amount Units: ug/l




Manual Integration Results

RT: 1.81
Area: 4645
Amount: 2.746573
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 09:55:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

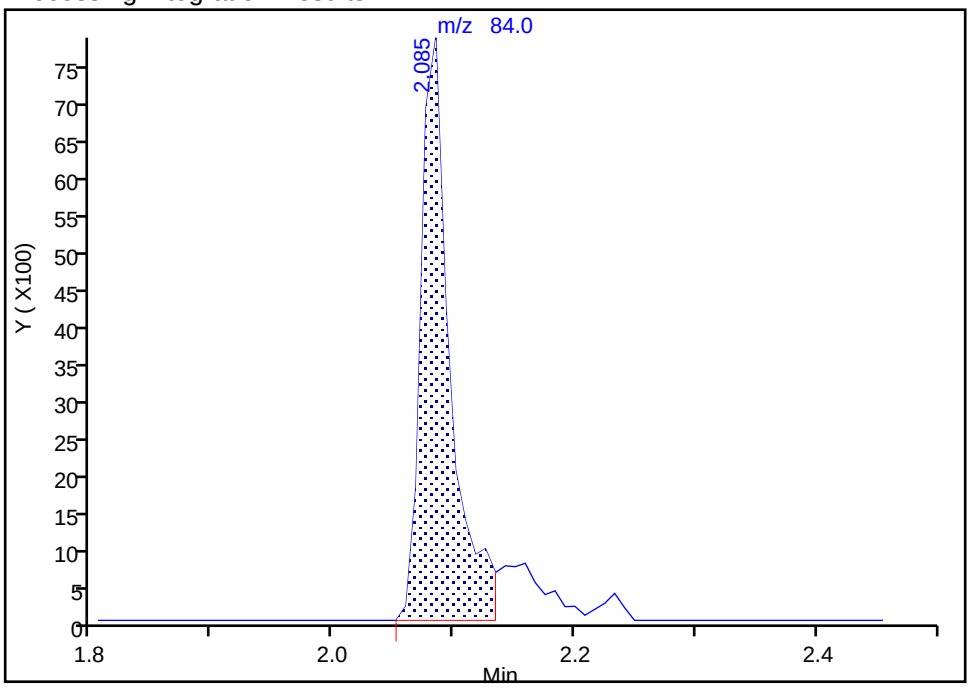
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82371.D
Injection Date: 17-Mar-2018 06:13:30 Instrument ID: CVOAMS5
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 23 Methylene Chloride, CAS: 75-09-2

Signal: 1

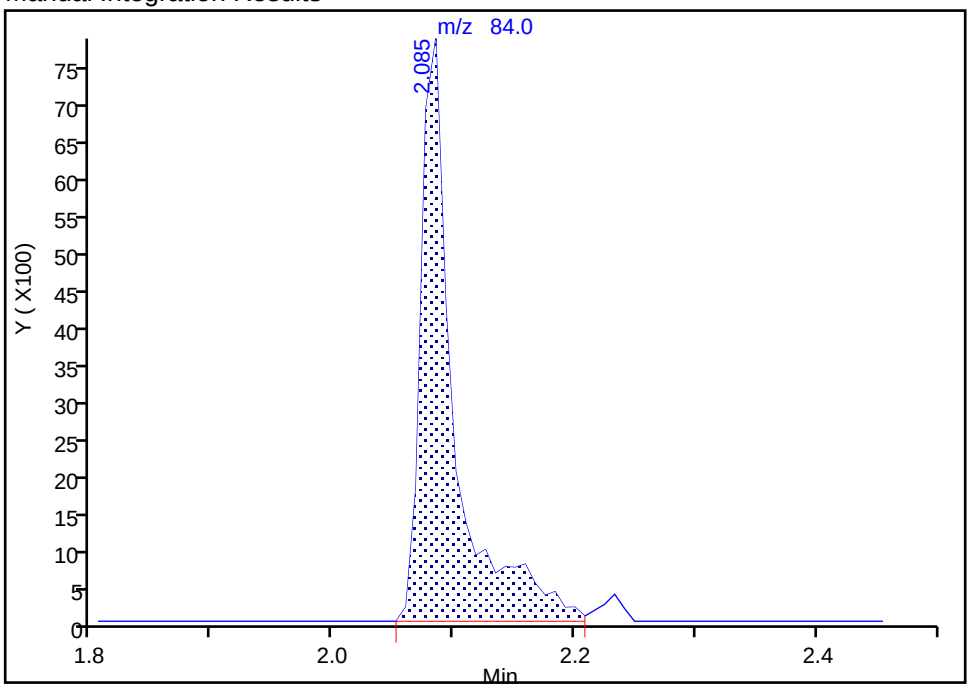
Processing Integration Results

RT: 2.08
Area: 13225
Amount: 4.707187
Amount Units: ug/l




Manual Integration Results

RT: 2.08
Area: 15157
Amount: 5.116183
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 09:55:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

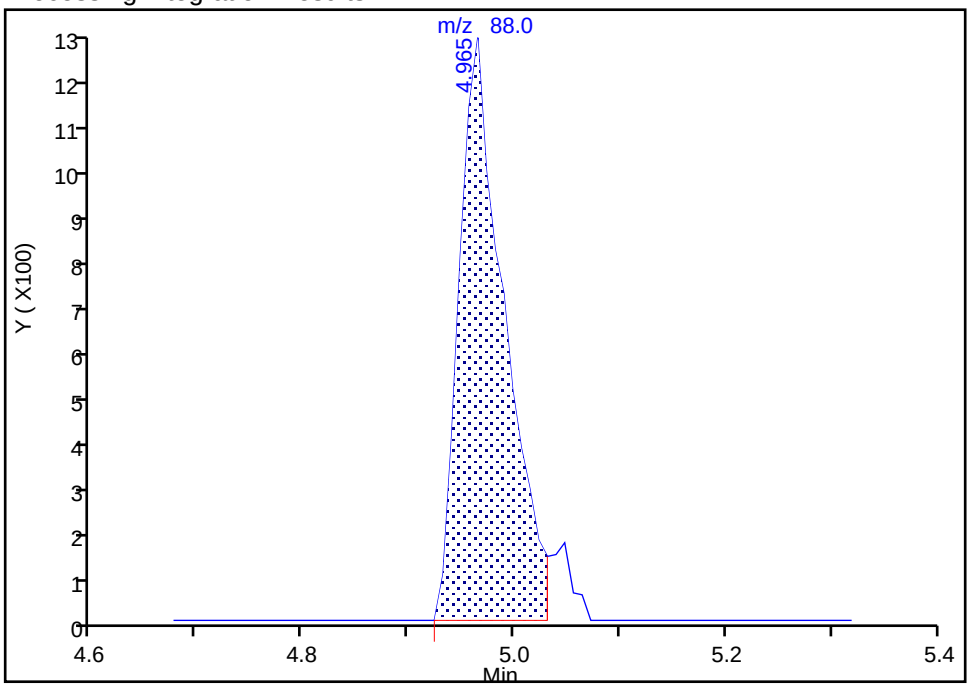
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82371.D
Injection Date: 17-Mar-2018 06:13:30 Instrument ID: CVOAMS5
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

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

Signal: 1

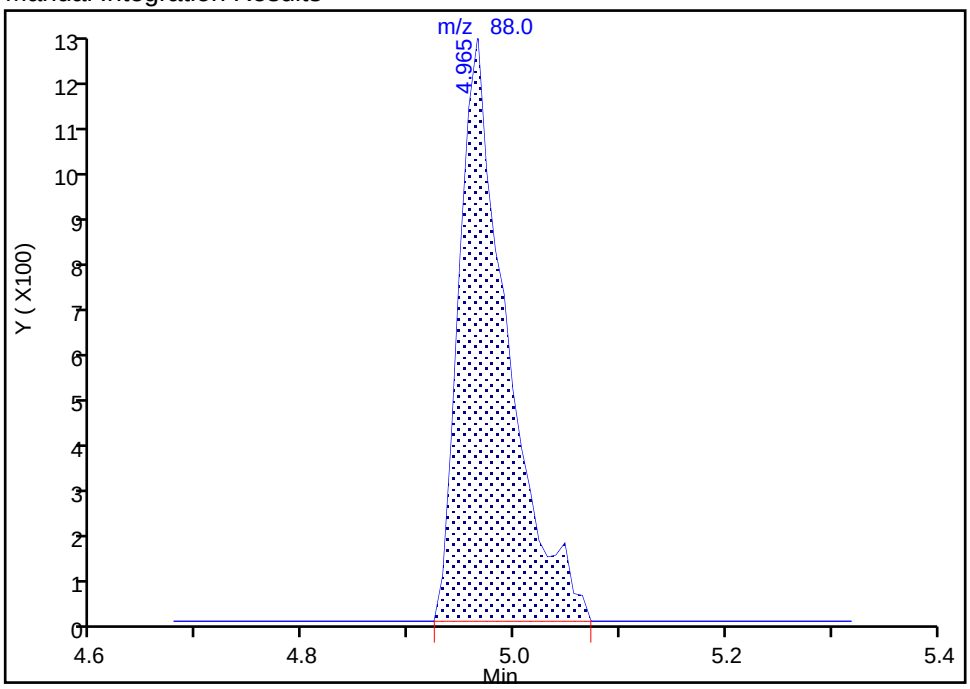
Processing Integration Results

RT: 4.97
Area: 3671
Amount: 100.1792
Amount Units: ug/l




Manual Integration Results

RT: 4.97
Area: 3875
Amount: 103.3403
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 09:58:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82372.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 17-Mar-2018 06:39:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0068911-006
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 21-Mar-2018 10:40:32 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: delpolitov Date: 21-Mar-2018 10:40:31

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.924 | 0.924 | 0.000 | 86 | 18707 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 88 | 56594 | 20.0 | 17.8 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 97 | 61253 | 20.0 | 19.0 | |
| 4 Butadiene | 54 | 1.105 | 1.105 | 0.000 | 89 | 53613 | 20.0 | 19.0 | |
| 5 Chloromethane | 50 | 1.105 | 1.105 | 0.000 | 75 | 79556 | 20.0 | 18.2 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 98 | 17518 | 20.0 | 16.6 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 99 | 16117 | 20.0 | 19.1 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 92 | 10119 | 40.0 | 34.0 | |
| 9 Trichlorofluoromethane | 101 | 1.426 | 1.426 | 0.000 | 84 | 55040 | 20.0 | 18.0 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 62 | 68525 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 96 | 61766 | 20.0 | 19.0 | |
| 13 Ethyl ether | 59 | 1.616 | 1.616 | 0.000 | 94 | 44274 | 20.0 | 20.7 | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 97 | 44090 | 20.0 | 18.9 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 80 | 51913 | NC | NC | |
| 12 Ethanol | 46 | 1.723 | 1.723 | 0.000 | 39 | 23607 | 800.0 | 2101.6 | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 97 | 131682 | 20.0 | 17.5 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.747 | 0.000 | 61 | 41127 | 20.0 | 19.0 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 95 | 22000 | 20.0 | 12.9 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 107597 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 36 | 13696 | 40.0 | 40.4 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 92 | 25615 | 20.0 | 19.8 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 56 | 32484 | 200.0 | 197.3 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 77 | 60083 | 20.0 | 20.1 | |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 82 | 31119 | 100.0 | 93.3 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 80 | 56645 | 20.0 | 19.6 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 99 | 56336 | 100.0 | 104.2 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 66 | 11880 | 20.0 | 19.7 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 71 | 162652 | 20.0 | 20.3 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 88 | 232639 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 14 | 51594 | 200.0 | 187.7 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.430 | 2.430 | 0.000 | 100 | 85744 | 200.0 | 207.2 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 95 | 178021 | 20.0 | 20.3 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.579 | 2.579 | 0.000 | 87 | 47893 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 92 | 100287 | 20.0 | 20.1 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 254360 | 200.0 | 208.9 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 85 | 165472 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 24569 | 40.0 | 45.0 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 98 | 63203 | 20.0 | 19.4 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 95 | 65591 | 20.0 | 19.8 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 76 | 81300 | 20.0 | 20.1 | |
| 41 Chlorobromomethane | 128 | 3.130 | 3.130 | 0.000 | 88 | 29798 | 20.0 | 20.2 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 87 | 94928 | 20.0 | 19.9 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 74 | 43830 | 20.0 | 18.6 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 58 | 54022 | NC | NC | |
| 45 Ethyl acetate | 70 | 3.303 | 3.303 | 0.000 | 98 | 14884 | 40.0 | 39.0 | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 69 | 48369 | 40.0 | 40.8 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.327 | 3.327 | 0.000 | 96 | 123122 | 50.0 | 51.6 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 54 | 70755 | 20.0 | 19.8 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 320500 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 92 | 40837 | 100.0 | 95.9 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 63 | 73437 | 20.0 | 19.5 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 99 | 107301 | NC | NC | |
| 53 n-Heptane | 57 | 3.632 | 3.632 | 0.000 | 66 | 25761 | 20.0 | 20.0 | |
| 54 Benzene | 78 | 3.648 | 3.648 | 0.000 | 94 | 241838 | 20.0 | 20.4 | |
| 55 Propionitrile | 54 | 3.690 | 3.690 | 0.000 | 49 | 95747 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 86 | 288767 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 82 | 148166 | 50.0 | 51.5 | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 75 | 155479 | NC | NC | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 69 | 70995 | 20.0 | 19.6 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 95 | 52235 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 84 | 34449 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 544374 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 97 | 98195 | 20.0 | 19.6 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 85 | 76649 | 20.0 | 19.7 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 98 | 57805 | 20.0 | 19.1 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.422 | 4.422 | 0.000 | 97 | 118494 | NC | NC | |
| 68 n-Butanol | 56 | 4.545 | 4.545 | 0.000 | 89 | 31991 | 500.0 | 452.2 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 97 | 34944 | 20.0 | 20.3 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 92 | 58039 | 20.0 | 20.0 | |
| 71 Ethyl acrylate | 55 | 4.727 | 4.727 | 0.000 | 90 | 70152 | 20.0 | 19.9 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 89 | 56678 | 20.0 | 19.1 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 43 | 31362 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.941 | 4.941 | 0.000 | 87 | 34629 | 40.0 | 39.5 | |
| 74 1,4-Dioxane | 88 | 4.965 | 4.965 | 0.000 | 94 | 15397 | 400.0 | 389.0 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 97 | 75240 | 20.0 | 19.1 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 97 | 29352 | 20.0 | 19.0 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 86 | 82005 | 20.0 | 19.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 550593 | 50.0 | 50.7 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 79 | 256141 | 20.0 | 20.1 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 96 | 82984 | 400.0 | 411.0 | |
| 81 2-Nitropropane | 41 | 5.953 | 5.953 | 0.000 | 96 | 14317 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 96 | 56377 | 20.0 | 19.1 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 4-Methyl-2-pentanone (MIBK | 43 | 6.167 | 6.167 | 0.000 | 93 | 275772 | 100.0 | 105.9 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.183 | 6.183 | 0.000 | 95 | 73769 | 20.0 | 19.8 | |
| 85 1,1,2-Trichloroethane | 83 | 6.372 | 6.372 | 0.000 | 95 | 46104 | 20.0 | 20.0 | |
| 86 Ethyl methacrylate | 69 | 6.447 | 6.447 | 0.000 | 81 | 68862 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 96 | 36060 | 20.0 | 17.7 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 91 | 95263 | 20.0 | 20.1 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 98 | 51861 | 20.0 | 19.4 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 97 | 70449 | 20.0 | 18.6 | |
| 91 2-Hexanone | 43 | 7.253 | 7.253 | 0.000 | 93 | 189064 | 100.0 | 105.3 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 85 | 427421 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 94 | 166946 | 20.0 | 20.1 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 95 | 88085 | 20.0 | 20.5 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 88 | 42443 | 20.0 | 18.9 | |
| 96 m-Xylene & p-Xylene | 106 | 7.862 | 7.862 | 0.000 | 95 | 103650 | 20.0 | 20.4 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 94 | 99005 | 20.0 | 20.7 | |
| 98 Bromoform | 173 | 8.520 | 8.520 | 0.000 | 67 | 17671 | 20.0 | 16.1 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 97 | 170052 | 20.0 | 21.4 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 97 | 35492 | 20.0 | 18.9 | |
| 101 Isopropylbenzene | 105 | 8.948 | 8.948 | 0.000 | 95 | 253693 | 20.0 | 21.3 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 93 | 79771 | 20.0 | 19.6 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 87 | 162025 | 50.0 | 50.6 | |
| 104 Bromobenzene | 156 | 9.450 | 9.450 | 0.000 | 99 | 66445 | 20.0 | 19.5 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 99 | 299049 | 20.0 | 20.7 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.738 | 9.738 | 0.000 | 97 | 71055 | 20.0 | 20.0 | |
| 107 2-Chlorotoluene | 91 | 9.780 | 9.780 | 0.000 | 90 | 213083 | 20.0 | 21.0 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 92 | 256203 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 96 | 21104 | 20.0 | 19.6 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 90 | 207935 | 20.0 | 21.3 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.010 | 0.000 | 76 | 13970 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.043 | 10.043 | 0.000 | 97 | 197133 | 20.0 | 21.0 | |
| 113 tert-Butylbenzene | 119 | 10.421 | 10.421 | 0.000 | 92 | 162753 | 20.0 | 20.8 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 69 | 63620 | 20.0 | 20.0 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.553 | 10.553 | 0.000 | 97 | 225988 | 20.0 | 22.3 | |
| 116 sec-Butylbenzene | 105 | 10.718 | 10.718 | 0.000 | 99 | 242793 | 20.0 | 20.9 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 96 | 128276 | 20.0 | 20.4 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 94 | 204953 | 20.0 | 21.6 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 95 | 225720 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.137 | 11.137 | 0.000 | 91 | 132247 | 20.0 | 19.9 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 230127 | 20.0 | 20.9 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 91 | 231581 | NC | NC | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 83 | 113006 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 95 | 17208 | 20.0 | 18.4 | |
| 125 n-Butylbenzene | 92 | 11.574 | 11.574 | 0.000 | 80 | 98708 | 20.0 | 21.1 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 95 | 127563 | 20.0 | 20.7 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 97 | 175430 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 92 | 9528 | 20.0 | 17.4 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 96 | 83309 | NC | NC | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 61 | 22188 | 20.0 | 19.5 | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 70885 | 20.0 | 20.0 | |
| 132 Naphthalene | 128 | 13.104 | 13.104 | 0.000 | 99 | 163893 | 20.0 | 20.4 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 94 | 65504 | 20.0 | 20.3 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.9 | |

| 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 | 39.6 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 41.1 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 102.2 | |

## QC Flag Legend

Processing Flags

NC - Not Calibrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00245 | Amount Added: | 2.00 | Units: uL | |
| MIX 2 Hi_00068 | Amount Added: | 2.00 | Units: uL | |
| MIX I Hi_00087 | Amount Added: | 2.00 | Units: uL | |
| Ethanol mix_00013 | Amount Added: | 2.00 | Units: uL | |
| ACROLEIN W_00074 | Amount Added: | 4.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 21-Mar-2018 10:40:36 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82372.D

Injection Date: 17-Mar-2018 06:39:30 Instrument ID: CVOAMS5 Operator ID:

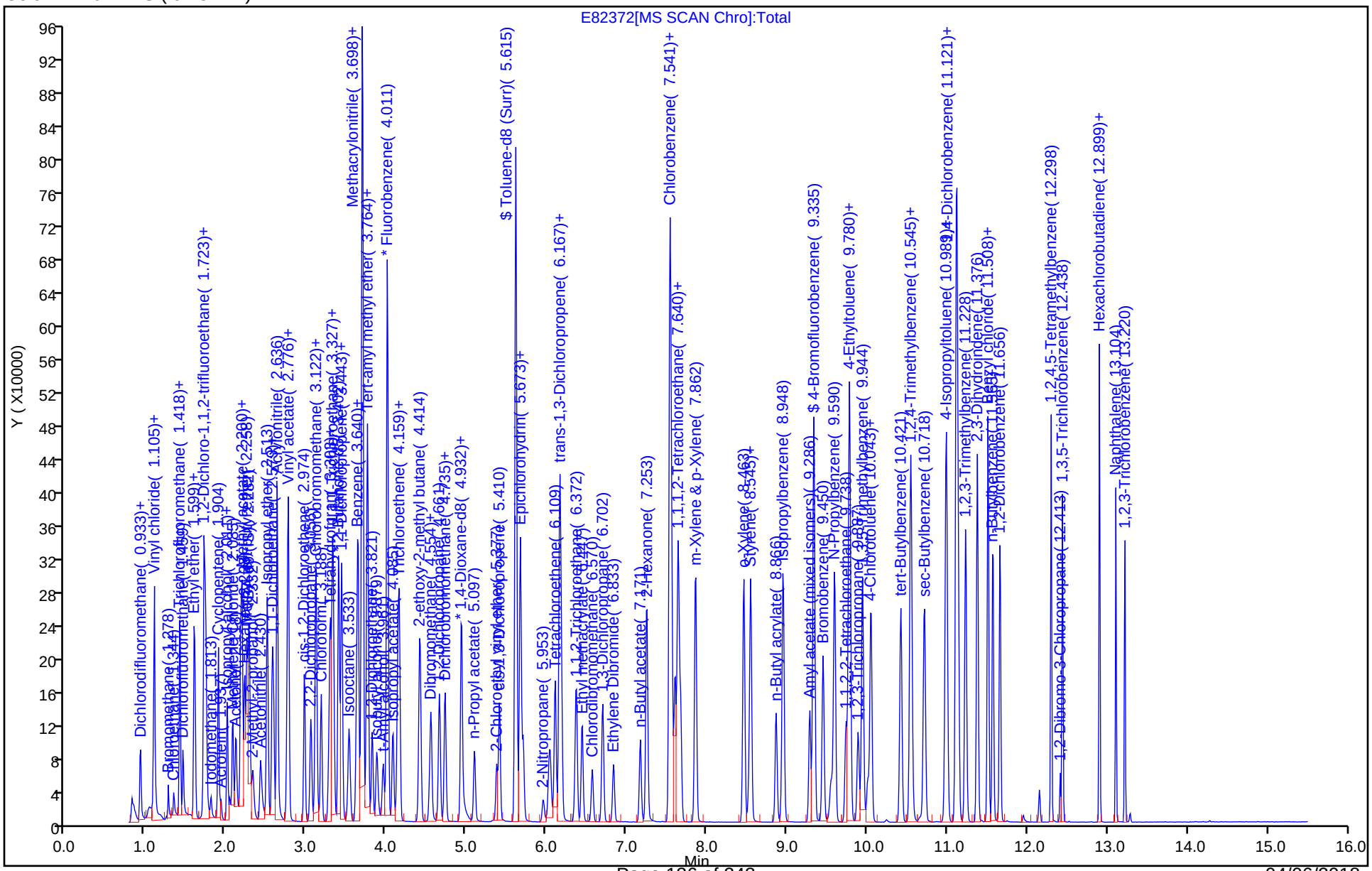
Lims ID: STD20 Worklist Smp#: 6

Client ID:

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

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82373.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Mar-2018 07:06:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0068911-007
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 21-Mar-2018 10:40:47 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: tupayachia Date: 17-Mar-2018 10:45:45

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.924 | 0.924 | 0.000 | 91 | 53980 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 99 | 198692 | 50.0 | 60.1 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 98 | 195664 | 50.0 | 58.5 | |
| 5 Chloromethane | 50 | 1.105 | 1.105 | 0.000 | 82 | 256886 | 50.0 | 56.7 | |
| 4 Butadiene | 54 | 1.105 | 1.105 | 0.000 | 88 | 178583 | 50.0 | 60.8 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 99 | 58259 | 50.0 | 53.9 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 99 | 48865 | 50.0 | 56.6 | |
| 8 Pentane | 72 | 1.426 | 1.418 | 0.008 | 94 | 32582 | 100.0 | 108.3 | |
| 9 Trichlorofluoromethane | 101 | 1.426 | 1.426 | 0.000 | 98 | 173931 | 50.0 | 54.8 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 196859 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 96 | 178895 | 50.0 | 53.0 | |
| 13 Ethyl ether | 59 | 1.607 | 1.616 | -0.009 | 96 | 114667 | 50.0 | 51.7 | |
| 12 Ethanol | 46 | 1.714 | 1.723 | -0.009 | 99 | 27336 | 2000.0 | 2382.3 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 85 | 141114 | NC | NC | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 97 | 119056 | 50.0 | 49.1 | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 98 | 366064 | 50.0 | 46.8 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.747 | 0.000 | 98 | 115806 | 50.0 | 51.5 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 88892 | 50.0 | 50.1 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 305688 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 92 | 33414 | 100.0 | 96.5 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 93 | 69308 | 50.0 | 51.7 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 82082 | 500.0 | 488.0 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 89 | 152875 | 50.0 | 49.2 | |
| 24 Acetone | 58 | 2.118 | 2.126 | -0.008 | 89 | 85087 | 250.0 | 252.1 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.183 | 2.184 | -0.001 | 93 | 146914 | 50.0 | 48.9 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 99 | 151221 | 250.0 | 273.9 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 89 | 33848 | 50.0 | 55.0 | |
| 28 Methyl tert-butyl ether | 73 | 2.257 | 2.258 | -0.001 | 97 | 430938 | 50.0 | 51.8 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 99 | 237643 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 99 | 135947 | 500.0 | 484.3 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.430 | 2.430 | 0.000 | 100 | 226232 | 500.0 | 535.2 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 97 | 483556 | 50.0 | 53.2 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.578 | 2.579 | -0.001 | 89 | 133059 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 100 | 258897 | 50.0 | 50.0 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 652397 | 500.0 | 516.2 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 90 | 453699 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 100 | 59634 | 100.0 | 108.1 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.973 | 2.974 | -0.001 | 99 | 167288 | 50.0 | 49.4 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 98 | 178645 | 50.0 | 52.0 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 89 | 228193 | 50.0 | 54.3 | |
| 41 Chlorobromomethane | 128 | 3.130 | 3.130 | 0.000 | 90 | 74491 | 50.0 | 48.6 | |
| 42 Chloroform | 83 | 3.187 | 3.188 | -0.001 | 100 | 246655 | 50.0 | 49.8 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 99 | 122282 | 50.0 | 50.0 | |
| 45 Ethyl acetate | 70 | 3.294 | 3.303 | -0.009 | 99 | 38945 | 100.0 | 100.9 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 97 | 148179 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 94 | 126022 | 100.0 | 105.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.327 | 3.327 | 0.000 | 97 | 122829 | 50.0 | 49.6 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 98 | 187964 | 50.0 | 50.7 | |
| * 49 2-Butanone-d5 | 46 | 3.401 | 3.402 | -0.001 | 100 | 324300 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 74 | 191290 | 50.0 | 49.0 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 97 | 109332 | 250.0 | 253.8 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 100 | 317038 | NC | NC | |
| 53 n-Heptane | 57 | 3.624 | 3.632 | -0.008 | 92 | 74614 | 50.0 | 55.8 | |
| 54 Benzene | 78 | 3.648 | 3.648 | 0.000 | 95 | 620390 | 50.0 | 51.3 | |
| 55 Propionitrile | 54 | 3.689 | 3.690 | -0.001 | 95 | 252948 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.706 | 3.698 | 0.008 | 90 | 741547 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 98 | 431103 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 95 | 149903 | 50.0 | 50.2 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 97 | 184314 | 50.0 | 49.1 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 95 | 150354 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 94 | 98843 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.010 | 4.011 | -0.001 | 99 | 565043 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.076 | 4.085 | -0.009 | 99 | 273300 | 50.0 | 52.4 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 96 | 218255 | 50.0 | 53.9 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 99 | 146731 | 50.0 | 46.6 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.422 | -0.008 | 99 | 343955 | NC | NC | |
| 68 n-Butanol | 56 | 4.537 | 4.545 | -0.008 | 86 | 93854 | 1250.0 | 1298.7 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 98 | 91648 | 50.0 | 51.2 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 93 | 156038 | 50.0 | 51.9 | |
| 71 Ethyl acrylate | 55 | 4.726 | 4.727 | -0.001 | 98 | 200812 | 50.0 | 55.0 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 156735 | 50.0 | 50.9 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 94 | 33921 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.940 | 4.941 | 0.000 | 89 | 97299 | 100.0 | 107.0 | |
| 74 1,4-Dioxane | 88 | 4.957 | 4.965 | -0.008 | 97 | 42099 | 1000.0 | 983.3 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 98 | 215183 | 50.0 | 52.6 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 97 | 89187 | 50.0 | 55.7 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.409 | 5.410 | -0.001 | 91 | 229707 | 50.0 | 54.3 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 554537 | 50.0 | 49.9 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 656433 | 50.0 | 50.4 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 99 | 200942 | 1000.0 | 983.5 | |
| 81 2-Nitropropane | 41 | 5.961 | 5.953 | 0.008 | 99 | 43508 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 98 | 146092 | 50.0 | 48.4 | |

| 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 | 6.167 | 6.167 | 0.000 | 95 | 737868 | 250.0 | 280.0 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.183 | 6.183 | 0.000 | 98 | 204708 | 50.0 | 53.6 | |
| 85 1,1,2-Trichloroethane | 83 | 6.372 | 6.372 | 0.000 | 96 | 120837 | 50.0 | 51.3 | |
| 86 Ethyl methacrylate | 69 | 6.446 | 6.447 | -0.001 | 88 | 199769 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 106770 | 50.0 | 51.3 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 249993 | 50.0 | 51.6 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 97 | 138957 | 50.0 | 50.7 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 99 | 220258 | 50.0 | 56.9 | |
| 91 2-Hexanone | 43 | 7.253 | 7.253 | 0.000 | 94 | 514205 | 250.0 | 282.9 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 86 | 437313 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.557 | 7.558 | -0.001 | 95 | 426549 | 50.0 | 50.1 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 97 | 231265 | 50.0 | 52.7 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 94 | 118535 | 50.0 | 51.5 | |
| 96 m-Xylene & p-Xylene | 106 | 7.862 | 7.862 | 0.000 | 95 | 280129 | 50.0 | 53.8 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 271423 | 50.0 | 55.6 | |
| 98 Bromoform | 173 | 8.529 | 8.520 | 0.009 | 95 | 55233 | 50.0 | 48.6 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 97 | 465277 | 50.0 | 57.1 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 97 | 111472 | 50.0 | 58.0 | |
| 101 Isopropylbenzene | 105 | 8.956 | 8.948 | 0.008 | 95 | 676843 | 50.0 | 55.6 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 92 | 242023 | 50.0 | 57.4 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 90 | 167200 | 50.0 | 51.0 | |
| 104 Bromobenzene | 156 | 9.450 | 9.450 | 0.000 | 99 | 175702 | 50.0 | 49.7 | |
| 105 N-Propylbenzene | 91 | 9.598 | 9.590 | 0.008 | 99 | 783705 | 50.0 | 52.2 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.738 | 9.738 | 0.000 | 99 | 188160 | 50.0 | 51.1 | |
| 107 2-Chlorotoluene | 91 | 9.779 | 9.780 | -0.001 | 96 | 551971 | 50.0 | 52.4 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 99 | 683494 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.886 | 9.887 | -0.001 | 98 | 56085 | 50.0 | 50.1 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 552725 | 50.0 | 54.5 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.010 | 0.000 | 85 | 39241 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.051 | 10.043 | 0.008 | 97 | 512947 | 50.0 | 52.6 | |
| 113 tert-Butylbenzene | 119 | 10.421 | 10.421 | 0.000 | 95 | 453419 | 50.0 | 55.9 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 91 | 198778 | 50.0 | 60.3 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.553 | 10.553 | 0.000 | 97 | 588237 | 50.0 | 55.8 | |
| 116 sec-Butylbenzene | 105 | 10.718 | 10.718 | 0.000 | 99 | 663746 | 50.0 | 55.1 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 97 | 332044 | 50.0 | 50.9 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 567502 | 50.0 | 57.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.121 | 11.113 | 0.008 | 95 | 234114 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.137 | 11.137 | 0.000 | 95 | 337544 | 50.0 | 49.0 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 624491 | 50.0 | 54.8 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 95 | 624966 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 97 | 53775 | 50.0 | 55.3 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 94 | 303525 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.574 | 11.574 | 0.000 | 98 | 270657 | 50.0 | 55.8 | |
| 126 1,2-Dichlorobenzene | 146 | 11.664 | 11.656 | 0.008 | 98 | 325507 | 50.0 | 50.9 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 488859 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 94 | 29139 | 50.0 | 51.4 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 98 | 218497 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | -0.001 | 94 | 194772 | 50.0 | 52.9 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | -0.001 | 62 | 60109 | 50.0 | 51.1 | |
| 132 Naphthalene | 128 | 13.104 | 13.104 | 0.000 | 100 | 470833 | 50.0 | 56.5 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.219 | 13.220 | -0.001 | 96 | 172070 | 50.0 | 51.5 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 100.0 | 98.3 | |

| 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 | 107.9 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 100.0 | 109.3 | |
| S 137 Total BTEX | 1 | | | | 0 | | 250.0 | 263.7 | |

## QC Flag Legend

Processing Flags

NC - Not Calibrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00245 | Amount Added: | 5.00 | Units: uL | |
| MIX 2 Hi_00068 | Amount Added: | 5.00 | Units: uL | |
| MIX I Hi_00087 | Amount Added: | 5.00 | Units: uL | |
| Ethanol mix_00013 | Amount Added: | 5.00 | Units: uL | |
| ACROLEIN W_00074 | Amount Added: | 10.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

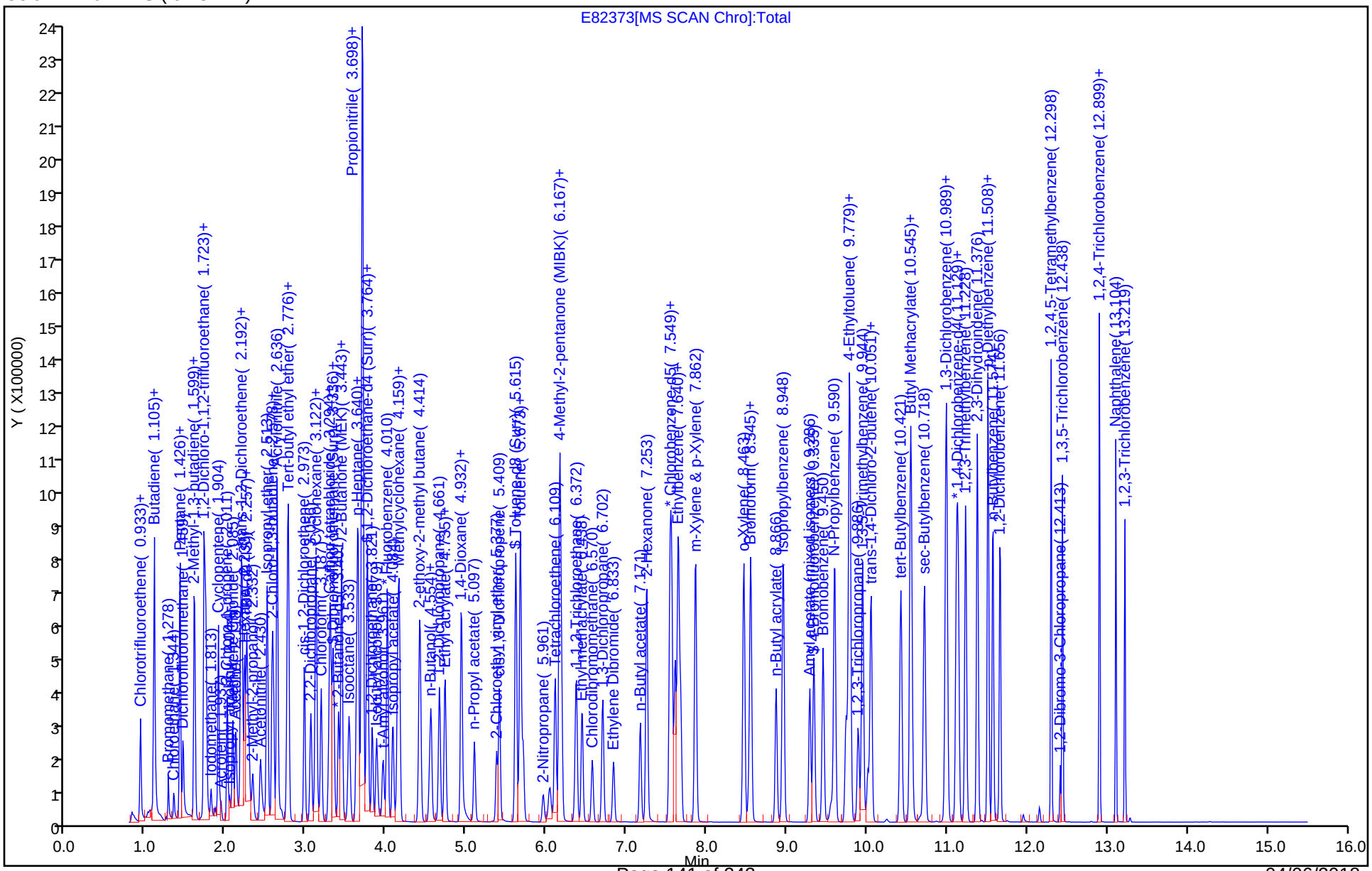
Report Date: 21-Mar-2018 10:40:50 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82373.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 17-Mar-2018 07:06:30 | 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 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82374.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Mar-2018 07:33:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0068911-008
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 21-Mar-2018 10:40:53 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: tupayachia Date: 17-Mar-2018 10:45:27

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.925 | 0.924 | 0.001 | 91 | 228064 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 100 | 758596 | 200.0 | 222.7 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 98 | 705608 | 200.0 | 204.9 | |
| 4 Butadiene | 54 | 1.106 | 1.105 | 0.001 | 88 | 648074 | 200.0 | 214.3 | |
| 5 Chloromethane | 50 | 1.106 | 1.105 | 0.001 | 98 | 915281 | 200.0 | 196.2 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 99 | 248324 | 200.0 | 208.7 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 99 | 177619 | 200.0 | 187.0 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 94 | 130155 | 400.0 | 418.8 | |
| 9 Trichlorofluoromethane | 101 | 1.427 | 1.426 | 0.001 | 98 | 716124 | 200.0 | 218.9 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 708895 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 95 | 728200 | 200.0 | 209.4 | |
| 13 Ethyl ether | 59 | 1.608 | 1.616 | -0.008 | 95 | 420944 | 200.0 | 184.2 | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 98 | 477284 | 200.0 | 191.2 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 88 | 531095 | NC | NC | |
| 12 Ethanol | 46 | 1.715 | 1.723 | -0.008 | 99 | 109945 | 8000.0 | 8707.4 | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 99 | 1513187 | 200.0 | 187.7 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.748 | 1.747 | 0.001 | 98 | 449630 | 200.0 | 194.1 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 417855 | 200.0 | 228.8 | M |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 96 | 1257492 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 94 | 78614 | 200.0 | 206.4 | |
| 21 3-Chloro-1-propene | 76 | 2.019 | 2.011 | 0.008 | 92 | 265949 | 200.0 | 192.5 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 344154 | 2000.0 | 1859.3 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 87 | 581880 | 200.0 | 181.8 | |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 88 | 332307 | 1000.0 | 952.8 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 92 | 567341 | 200.0 | 183.4 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 98 | 575913 | 1000.0 | 947.9 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 91 | 131002 | 200.0 | 193.6 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 97 | 1693716 | 200.0 | 197.7 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 99 | 261505 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 100 | 599893 | 2000.0 | 1942.0 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.431 | 2.430 | 0.001 | 99 | 859427 | 2000.0 | 1847.7 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 97 | 1905514 | 200.0 | 203.6 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.579 | 2.579 | 0.000 | 89 | 557522 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 100 | 993714 | 200.0 | 186.2 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 2473843 | 2000.0 | 1900.0 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 90 | 1814531 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 231326 | 400.0 | 405.7 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 99 | 654896 | 200.0 | 187.6 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 97 | 737132 | 200.0 | 208.1 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 89 | 903807 | 200.0 | 208.8 | |
| 41 Chlorobromomethane | 128 | 3.130 | 3.130 | 0.000 | 91 | 288683 | 200.0 | 182.9 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 100 | 950229 | 200.0 | 186.4 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 99 | 519016 | 200.0 | 206.0 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 61 | 599710 | NC | NC | |
| 45 Ethyl acetate | 70 | 3.303 | 3.303 | 0.000 | 100 | 153148 | 400.0 | 384.0 | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 95 | 479875 | 400.0 | 387.1 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.327 | 0.001 | 97 | 123359 | 50.0 | 48.4 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 97 | 765397 | 200.0 | 200.3 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 335062 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 97 | 438256 | 1000.0 | 984.5 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 91 | 735336 | 200.0 | 182.9 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 100 | 1337624 | NC | NC | |
| 53 n-Heptane | 57 | 3.632 | 3.632 | 0.000 | 88 | 292463 | 200.0 | 212.4 | |
| 54 Benzene | 78 | 3.649 | 3.648 | 0.001 | 95 | 2354208 | 200.0 | 186.6 | |
| 55 Propionitrile | 54 | 3.698 | 3.690 | 0.008 | 96 | 928216 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.714 | 3.698 | 0.016 | 89 | 2663293 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.772 | 3.764 | 0.008 | 94 | 149424 | 50.0 | 48.5 | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 99 | 1783941 | NC | NC | |
| 59 1,2-Dichloroethane | 62 | 3.830 | 3.821 | 0.009 | 97 | 703796 | 200.0 | 182.0 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 95 | 671556 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 97 | 476688 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 582180 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 100 | 1157170 | 200.0 | 215.4 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 95 | 870346 | 200.0 | 208.8 | |
| 65 Trichloroethene | 95 | 4.167 | 4.159 | 0.008 | 99 | 571077 | 200.0 | 176.0 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.422 | 4.422 | 0.000 | 99 | 1442557 | NC | NC | |
| 68 n-Butanol | 56 | 4.546 | 4.545 | 0.001 | 85 | 448587 | 5000.0 | 5641.0 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 98 | 360253 | 200.0 | 195.3 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 93 | 615638 | 200.0 | 198.7 | |
| 71 Ethyl acrylate | 55 | 4.727 | 4.727 | 0.000 | 98 | 861203 | 200.0 | 228.8 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 658041 | 200.0 | 207.2 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 38 | 36201 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.941 | 4.941 | 0.001 | 86 | 415578 | 400.0 | 443.4 | |
| 74 1,4-Dioxane | 88 | 4.965 | 4.965 | 0.000 | 92 | 169397 | 4000.0 | 3707.4 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 98 | 918551 | 200.0 | 218.0 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 97 | 402493 | 200.0 | 244.2 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 936465 | 200.0 | 212.3 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 574111 | 50.0 | 49.5 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 2544043 | 200.0 | 187.4 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 98 | 861936 | 4000.0 | 4083.2 | |
| 81 2-Nitropropane | 41 | 5.961 | 5.953 | 0.008 | 97 | 225582 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 98 | 590983 | 200.0 | 187.9 | |

| 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 | 6.167 | 6.167 | 0.000 | 94 | 2800608 | 1000.0 | 1028.7 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.192 | 6.183 | 0.009 | 98 | 842262 | 200.0 | 211.6 | |
| 85 1,1,2-Trichloroethane | 83 | 6.373 | 6.372 | 0.001 | 97 | 482380 | 200.0 | 196.5 | |
| 86 Ethyl methacrylate | 69 | 6.447 | 6.447 | 0.000 | 88 | 854064 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 494520 | 200.0 | 227.9 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 990195 | 200.0 | 195.9 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 98 | 571438 | 200.0 | 199.9 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 98 | 960100 | 200.0 | 237.8 | |
| 91 2-Hexanone | 43 | 7.253 | 7.253 | 0.000 | 94 | 2039449 | 1000.0 | 1086.0 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 455937 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.566 | 7.558 | 0.008 | 95 | 1657086 | 200.0 | 186.7 | |
| 94 Ethylbenzene | 106 | 7.648 | 7.640 | 0.008 | 97 | 897127 | 200.0 | 195.9 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 96 | 510653 | 200.0 | 213.0 | |
| 96 m-Xylene & p-Xylene | 106 | 7.862 | 7.862 | 0.000 | 95 | 1112979 | 200.0 | 204.9 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 1088309 | 200.0 | 213.7 | |
| 98 Bromoform | 173 | 8.529 | 8.520 | 0.009 | 98 | 294497 | 200.0 | 248.5 | |
| 99 Styrene | 104 | 8.553 | 8.545 | 0.008 | 96 | 1850862 | 200.0 | 217.9 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 97 | 510447 | 200.0 | 254.6 | |
| 101 Isopropylbenzene | 105 | 8.957 | 8.948 | 0.009 | 95 | 2674424 | 200.0 | 210.6 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 92 | 1071640 | 200.0 | 243.7 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 89 | 172295 | 50.0 | 50.4 | |
| 104 Bromobenzene | 156 | 9.459 | 9.450 | 0.009 | 98 | 711958 | 200.0 | 193.3 | |
| 105 N-Propylbenzene | 91 | 9.599 | 9.590 | 0.009 | 100 | 3101629 | 200.0 | 198.3 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.739 | 9.738 | 0.001 | 99 | 769736 | 200.0 | 200.5 | |
| 107 2-Chlorotoluene | 91 | 9.780 | 9.780 | 0.000 | 96 | 2128591 | 200.0 | 193.9 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 97 | 2732441 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.895 | 9.887 | 0.008 | 97 | 229264 | 200.0 | 196.5 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.953 | 9.944 | 0.009 | 94 | 2190064 | 200.0 | 207.3 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.010 | 0.000 | 90 | 173635 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.051 | 10.043 | 0.008 | 97 | 2018243 | 200.0 | 198.5 | |
| 113 tert-Butylbenzene | 119 | 10.422 | 10.421 | 0.001 | 95 | 1810946 | 200.0 | 214.4 | |
| 115 Butyl Methacrylate | 87 | 10.545 | 10.537 | 0.008 | 89 | 882678 | 200.0 | 257.0 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.553 | 10.553 | 0.000 | 97 | 2273064 | 200.0 | 207.0 | |
| 116 sec-Butylbenzene | 105 | 10.718 | 10.718 | 0.000 | 99 | 2609392 | 200.0 | 207.9 | |
| 117 1,3-Dichlorobenzene | 146 | 10.989 | 10.981 | 0.008 | 97 | 1290069 | 200.0 | 189.7 | |
| 118 4-Isopropyltoluene | 119 | 10.998 | 10.989 | 0.009 | 98 | 2208235 | 200.0 | 215.6 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.121 | 11.113 | 0.008 | 94 | 244044 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.146 | 11.137 | 0.009 | 96 | 1338757 | 200.0 | 186.5 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.236 | 11.228 | 0.008 | 0 | 2503073 | 200.0 | 210.6 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 95 | 2470960 | NC | NC | |
| 124 p-Diethylbenzene | 119 | 11.516 | 11.508 | 0.008 | 94 | 1231442 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 98 | 267586 | 200.0 | 264.1 | |
| 125 n-Butylbenzene | 92 | 11.574 | 11.574 | 0.000 | 98 | 1046405 | 200.0 | 207.0 | |
| 126 1,2-Dichlorobenzene | 146 | 11.664 | 11.656 | 0.008 | 97 | 1273367 | 200.0 | 191.0 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 1903756 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 96 | 140226 | 200.0 | 237.4 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 98 | 877423 | NC | NC | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 61 | 226135 | 200.0 | 184.3 | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 770828 | 200.0 | 200.9 | |
| 132 Naphthalene | 128 | 13.105 | 13.104 | 0.000 | 99 | 1881647 | 200.0 | 216.7 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 683011 | 200.0 | 196.2 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 400.0 | 370.9 | |

| 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 | 423.9 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 400.0 | 418.6 | |
| S 137 Total BTEX | 1 | | | | 0 | | 1000.0 | 988.5 | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00245 | Amount Added: | 20.00 | Units: uL | |
| MIX 2 Hi_00068 | Amount Added: | 20.00 | Units: uL | |
| MIX I Hi_00087 | Amount Added: | 20.00 | Units: uL | |
| Ethanol mix_00013 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00074 | Amount Added: | 20.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 21-Mar-2018 10:40:57 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82374.D

Injection Date: 17-Mar-2018 07:33:30 Instrument ID: CVOAMS5 Operator ID:

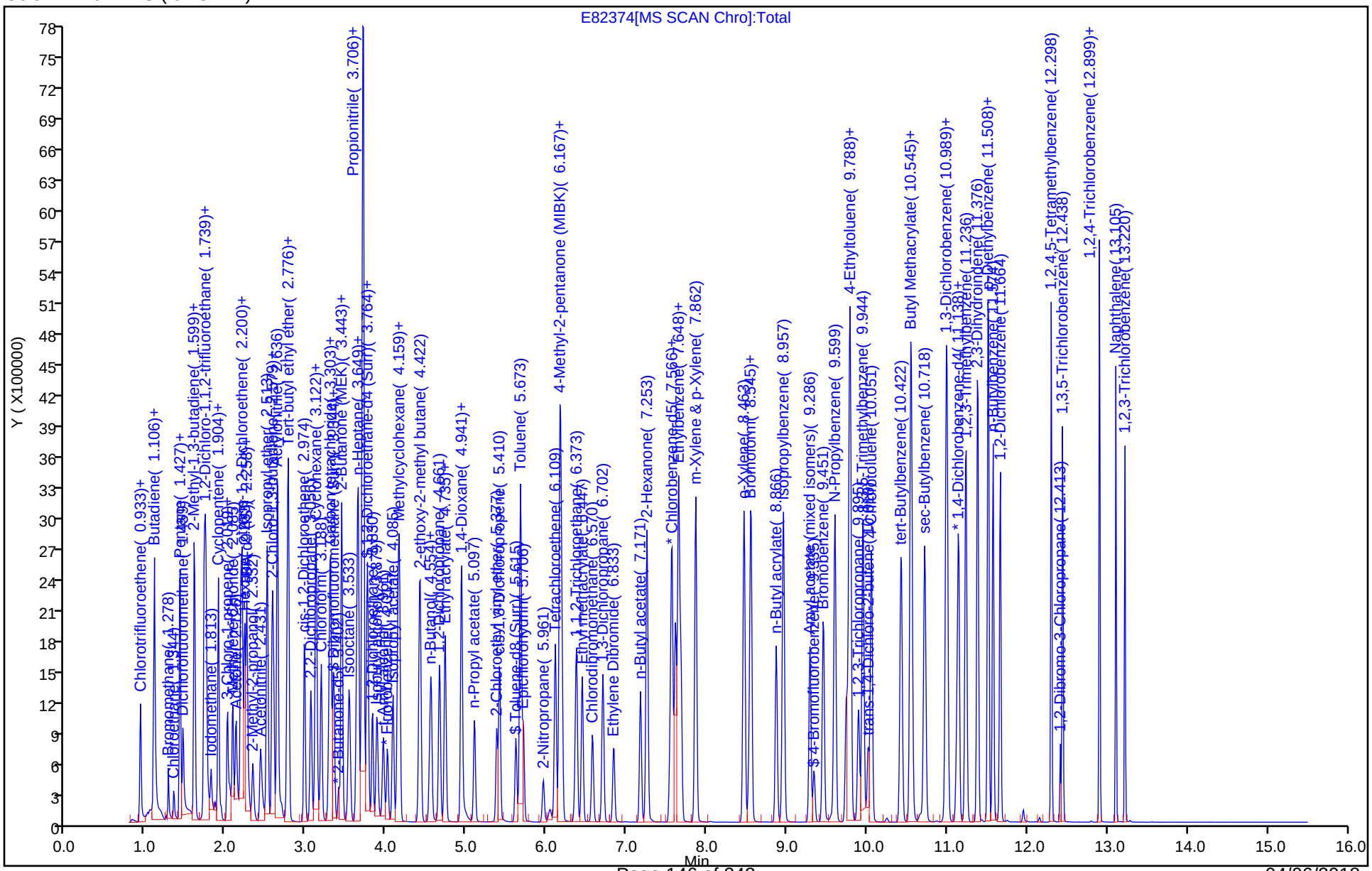
Lims ID: STD200 Worklist Smp#: 8

Client ID:

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

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

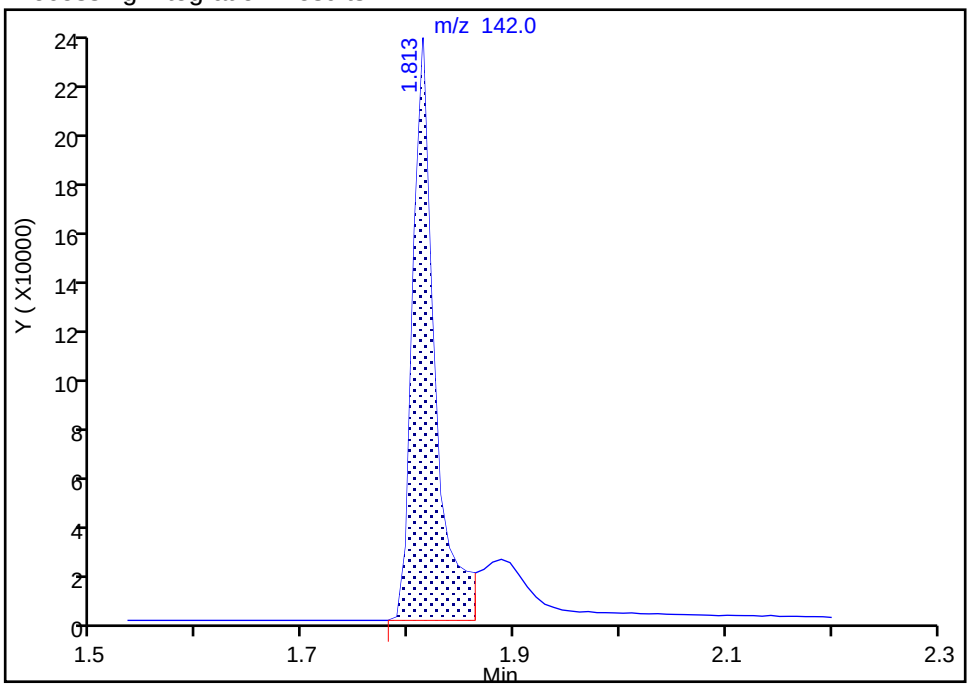
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82374.D
Injection Date: 17-Mar-2018 07:33:30 Instrument ID: CVOAMS5
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 18 Iodomethane, CAS: 74-88-4

Signal: 1

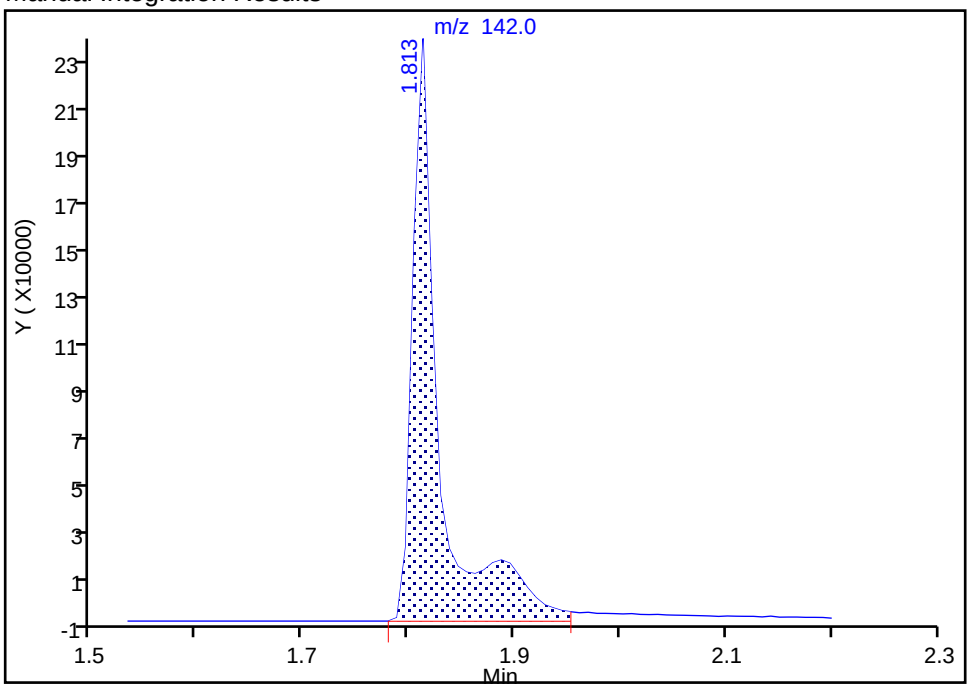
Processing Integration Results

RT: 1.81
Area: 341648
Amount: 199.8407
Amount Units: ug/l




Manual Integration Results

RT: 1.81
Area: 417855
Amount: 228.7554
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 10:00:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82375.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Mar-2018 07:59:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0068911-009
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 21-Mar-2018 10:40:59 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: tupayachia Date: 17-Mar-2018 10:45:09

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.924 | 0.924 | 0.000 | 90 | 563293 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 100 | 1974415 | 500.0 | 560.0 | |
| 3 Vinyl chloride | 62 | 1.089 | 1.097 | -0.008 | 99 | 1767247 | 500.0 | 495.7 | |
| 5 Chloromethane | 50 | 1.105 | 1.105 | 0.000 | 100 | 2273086 | 500.0 | 470.7 | |
| 4 Butadiene | 54 | 1.105 | 1.105 | 0.000 | 88 | 1583623 | 500.0 | 505.8 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 99 | 746612 | 500.0 | 604.7 | M |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 99 | 456426 | 500.0 | 463.1 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 93 | 299343 | 1000.0 | 959.2 | |
| 9 Trichlorofluoromethane | 101 | 1.426 | 1.426 | 0.000 | 98 | 1797699 | 500.0 | 531.0 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 1720845 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 96 | 1668645 | 500.0 | 463.5 | |
| 13 Ethyl ether | 59 | 1.616 | 1.616 | 0.000 | 94 | 952242 | 500.0 | 402.5 | |
| 12 Ethanol | 46 | 1.714 | 1.723 | -0.009 | 100 | 257146 | 20000 | 19623 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.731 | 1.723 | 0.008 | 86 | 1210781 | NC | NC | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 98 | 1165799 | 500.0 | 451.1 | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 98 | 3636422 | 500.0 | 435.9 | M |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.747 | 0.000 | 99 | 1077479 | 500.0 | 449.2 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 1137100 | 500.0 | 601.4 | M |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 3121329 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 95 | 156734 | 400.0 | 396.5 | |
| 21 3-Chloro-1-propene | 76 | 2.019 | 2.011 | 0.008 | 91 | 646357 | 500.0 | 452.0 | |
| 22 Isopropyl alcohol | 45 | 2.052 | 2.044 | 0.008 | 97 | 829886 | 5000.0 | 4320.2 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 86 | 1421798 | 500.0 | 429.2 | M |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 88 | 696532 | 2500.0 | 1988.8 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 93 | 1419302 | 500.0 | 443.1 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 97 | 1273262 | 2500.0 | 2019.3 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 91 | 326013 | 500.0 | 464.2 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 97 | 4070735 | 500.0 | 459.1 | |
| * 29 TBA-d9 (IS) | 65 | 2.291 | 2.282 | 0.008 | 99 | 271392 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.340 | 2.332 | 0.008 | 100 | 1567422 | 5000.0 | 4889.2 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.430 | 2.430 | 0.000 | 100 | 2028929 | 5000.0 | 4203.1 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 96 | 4379211 | 500.0 | 452.1 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.579 | 2.579 | 0.000 | 92 | 1349244 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 99 | 2509986 | 500.0 | 454.4 | |
| 35 Acrylonitrile | 53 | 2.644 | 2.636 | 0.008 | 94 | 5657119 | 5000.0 | 4197.2 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 90 | 4229582 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.784 | 2.776 | 0.008 | 99 | 578386 | 1000.0 | 1010.2 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.982 | 2.974 | 0.008 | 100 | 1732464 | 500.0 | 479.3 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 96 | 1831467 | 500.0 | 499.5 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 87 | 2115759 | 500.0 | 472.1 | |
| 41 Chlorobromomethane | 128 | 3.130 | 3.130 | 0.000 | 86 | 713054 | 500.0 | 436.4 | |
| 42 Chloroform | 83 | 3.196 | 3.188 | 0.008 | 100 | 2449931 | 500.0 | 464.2 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 98 | 1365837 | 500.0 | 523.7 | |
| 45 Ethyl acetate | 70 | 3.303 | 3.303 | 0.000 | 99 | 360831 | 1000.0 | 901.1 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 98 | 1349356 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 95 | 1093305 | 1000.0 | 878.3 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.336 | 3.327 | 0.009 | 97 | 123486 | 50.0 | 46.8 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 96 | 1913334 | 500.0 | 483.6 | |
| * 49 2-Butanone-d5 | 46 | 3.410 | 3.402 | 0.008 | 95 | 336453 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 97 | 1768637 | 500.0 | 425.0 | |
| 50 2-Butanone (MEK) | 72 | 3.451 | 3.443 | 0.008 | 98 | 1015078 | 2500.0 | 2270.9 | |
| 52 Isooctane | 57 | 3.541 | 3.533 | 0.008 | 100 | 3118645 | NC | NC | |
| 53 n-Heptane | 57 | 3.632 | 3.632 | 0.000 | 90 | 680803 | 500.0 | 477.6 | |
| 54 Benzene | 78 | 3.648 | 3.648 | 0.000 | 96 | 5472965 | 500.0 | 423.1 | |
| 55 Propionitrile | 54 | 3.714 | 3.690 | 0.024 | 96 | 1909005 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.731 | 3.698 | 0.033 | 86 | 5505251 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.772 | 3.764 | 0.008 | 99 | 4304901 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.780 | 3.764 | 0.016 | 96 | 150966 | 50.0 | 47.4 | |
| 59 1,2-Dichloroethane | 62 | 3.829 | 3.821 | 0.008 | 97 | 1759831 | 500.0 | 439.6 | |
| 60 Isobutyl alcohol | 43 | 3.895 | 3.879 | 0.016 | 95 | 1697779 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.969 | 3.961 | 0.008 | 98 | 1238673 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.019 | 4.011 | 0.008 | 100 | 602654 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 100 | 2808634 | 500.0 | 505.2 | |
| 64 Methylcyclohexane | 83 | 4.150 | 4.142 | 0.008 | 94 | 2081877 | 500.0 | 482.4 | |
| 65 Trichloroethene | 95 | 4.167 | 4.159 | 0.008 | 99 | 1387775 | 500.0 | 413.3 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.422 | 4.422 | 0.000 | 99 | 3541657 | NC | NC | |
| 68 n-Butanol | 56 | 4.554 | 4.545 | 0.009 | 85 | 1118416 | 12500 | 13552 | |
| 67 Dibromomethane | 93 | 4.562 | 4.554 | 0.008 | 97 | 870481 | 500.0 | 455.9 | |
| 69 1,2-Dichloropropane | 63 | 4.669 | 4.661 | 0.008 | 93 | 1517320 | 500.0 | 473.1 | |
| 71 Ethyl acrylate | 55 | 4.735 | 4.727 | 0.008 | 99 | 2034219 | 500.0 | 522.2 | |
| 70 Dichlorobromomethane | 83 | 4.743 | 4.735 | 0.008 | 99 | 1709304 | 500.0 | 520.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 36 | 37005 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.940 | 4.941 | 0.000 | 86 | 1015235 | 1000.0 | 1046.4 | |
| 74 1,4-Dioxane | 88 | 4.965 | 4.965 | 0.000 | 96 | 425734 | 10000 | 9115.1 | |
| 75 n-Propyl acetate | 43 | 5.105 | 5.097 | 0.008 | 97 | 2243857 | 500.0 | 514.4 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.385 | 5.377 | 0.008 | 96 | 1032555 | 500.0 | 605.1 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.418 | 5.410 | 0.008 | 90 | 2382211 | 500.0 | 526.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.624 | 5.615 | 0.009 | 100 | 595406 | 50.0 | 50.1 | |
| 79 Toluene | 91 | 5.681 | 5.673 | 0.008 | 94 | 6037450 | 500.0 | 433.9 | |
| 80 Epichlorohydrin | 57 | 5.722 | 5.706 | 0.016 | 99 | 2194094 | 10000 | 10351 | |
| 81 2-Nitropropane | 41 | 5.961 | 5.953 | 0.008 | 97 | 636923 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.117 | 6.109 | 0.008 | 98 | 1476920 | 500.0 | 458.1 | |

| 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 | 6.175 | 6.167 | 0.008 | 92 | 6028834 | 2500.0 | 2205.3 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.200 | 6.183 | 0.017 | 97 | 2095316 | 500.0 | 513.4 | |
| 85 1,1,2-Trichloroethane | 83 | 6.381 | 6.372 | 0.009 | 97 | 1196946 | 500.0 | 475.6 | |
| 86 Ethyl methacrylate | 69 | 6.455 | 6.447 | 0.008 | 90 | 2150995 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.578 | 6.570 | 0.008 | 98 | 1349061 | 500.0 | 606.3 | |
| 88 1,3-Dichloropropane | 76 | 6.710 | 6.702 | 0.008 | 91 | 2463607 | 500.0 | 475.4 | |
| 89 Ethylene Dibromide | 107 | 6.842 | 6.833 | 0.009 | 98 | 1442143 | 500.0 | 492.1 | |
| 90 n-Butyl acetate | 43 | 7.179 | 7.171 | 0.008 | 98 | 2396206 | 500.0 | 578.8 | |
| 91 2-Hexanone | 43 | 7.261 | 7.253 | 0.008 | 93 | 4658959 | 2500.0 | 2470.7 | |
| * 92 Chlorobenzene-d5 | 117 | 7.549 | 7.541 | 0.008 | 85 | 467406 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.574 | 7.558 | 0.016 | 95 | 4044690 | 500.0 | 444.5 | |
| 94 Ethylbenzene | 106 | 7.656 | 7.640 | 0.016 | 97 | 2145149 | 500.0 | 457.0 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.689 | 7.673 | 0.016 | 96 | 1313392 | 500.0 | 534.4 | |
| 96 m-Xylene & p-Xylene | 106 | 7.870 | 7.862 | 0.008 | 95 | 2687815 | 500.0 | 482.7 | |
| 97 o-Xylene | 106 | 8.471 | 8.463 | 0.008 | 95 | 2655961 | 500.0 | 508.6 | |
| 98 Bromoform | 173 | 8.537 | 8.520 | 0.017 | 96 | 860565 | 500.0 | 729.4 | |
| 99 Styrene | 104 | 8.562 | 8.545 | 0.017 | 96 | 4401938 | 500.0 | 505.6 | |
| 100 n-Butyl acrylate | 73 | 8.874 | 8.866 | 0.008 | 97 | 1282090 | 500.0 | 623.8 | |
| 101 Isopropylbenzene | 105 | 8.965 | 8.948 | 0.017 | 95 | 6408513 | 500.0 | 492.4 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.294 | 9.286 | 0.008 | 92 | 2606022 | 500.0 | 595.3 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.343 | 9.335 | 0.008 | 90 | 180823 | 50.0 | 51.6 | |
| 104 Bromobenzene | 156 | 9.459 | 9.450 | 0.009 | 98 | 1784312 | 500.0 | 486.6 | |
| 105 N-Propylbenzene | 91 | 9.607 | 9.590 | 0.017 | 100 | 7326231 | 500.0 | 470.4 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.747 | 9.738 | 0.009 | 99 | 1903698 | 500.0 | 498.1 | |
| 107 2-Chlorotoluene | 91 | 9.788 | 9.780 | 0.008 | 96 | 5010287 | 500.0 | 458.4 | |
| 108 4-Ethyltoluene | 105 | 9.804 | 9.788 | 0.016 | 98 | 6186138 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.903 | 9.887 | 0.016 | 97 | 575769 | 500.0 | 495.8 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.961 | 9.944 | 0.017 | 94 | 5262576 | 500.0 | 500.3 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.018 | 10.010 | 0.008 | 92 | 463813 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.068 | 10.043 | 0.025 | 96 | 4884507 | 500.0 | 482.5 | |
| 113 tert-Butylbenzene | 119 | 10.430 | 10.421 | 0.009 | 94 | 4359967 | 500.0 | 518.4 | |
| 115 Butyl Methacrylate | 87 | 10.553 | 10.537 | 0.016 | 87 | 2077064 | 500.0 | 607.4 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.561 | 10.553 | 0.008 | 97 | 5274884 | 500.0 | 482.6 | |
| 116 sec-Butylbenzene | 105 | 10.726 | 10.718 | 0.008 | 99 | 6142587 | 500.0 | 491.6 | |
| 117 1,3-Dichlorobenzene | 146 | 10.998 | 10.981 | 0.017 | 97 | 3049557 | 500.0 | 450.5 | |
| 118 4-Isopropyltoluene | 119 | 11.006 | 10.989 | 0.017 | 97 | 5097532 | 500.0 | 499.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.129 | 11.113 | 0.016 | 95 | 242954 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.154 | 11.137 | 0.017 | 95 | 3184841 | 500.0 | 445.6 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.244 | 11.228 | 0.016 | 0 | 5694206 | 500.0 | 481.1 | |
| 122 2,3-Dihydroindene | 117 | 11.384 | 11.376 | 0.008 | 95 | 5532722 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.516 | 11.508 | 0.008 | 98 | 675730 | 500.0 | 669.9 | |
| 124 p-Diethylbenzene | 119 | 11.516 | 11.508 | 0.008 | 93 | 2725882 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.582 | 11.574 | 0.008 | 98 | 2405880 | 500.0 | 478.1 | |
| 126 1,2-Dichlorobenzene | 146 | 11.672 | 11.656 | 0.016 | 97 | 2975552 | 500.0 | 448.3 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.306 | 12.298 | 0.008 | 98 | 4252903 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 97 | 383767 | 500.0 | 652.5 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.446 | 12.438 | 0.008 | 98 | 1937030 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.907 | 12.899 | 0.008 | 94 | 1693170 | 500.0 | 443.2 | |
| 131 Hexachlorobutadiene | 225 | 12.907 | 12.899 | 0.008 | 79 | 487019 | 500.0 | 398.6 | |
| 132 Naphthalene | 128 | 13.104 | 13.104 | 0.000 | 99 | 4371818 | 500.0 | 505.8 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 97 | 1590200 | 500.0 | 458.8 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 1000.0 | 922.4 | |

| 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 | 1040.2 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 1000.0 | 991.3 | |
| S 137 Total BTEX | 1 | | | | 0 | | 2500.0 | 2305.2 | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00245 | Amount Added: | 50.00 | Units: uL | |
| MIX 2 Hi_00068 | Amount Added: | 50.00 | Units: uL | |
| MIX I Hi_00087 | Amount Added: | 50.00 | Units: uL | |
| Ethanol mix_00013 | Amount Added: | 50.00 | Units: uL | |
| ACROLEIN W_00074 | Amount Added: | 40.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 21-Mar-2018 10:41:04 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82375.D

Injection Date: 17-Mar-2018 07:59:30 Instrument ID: CVOAMS5 Operator ID:

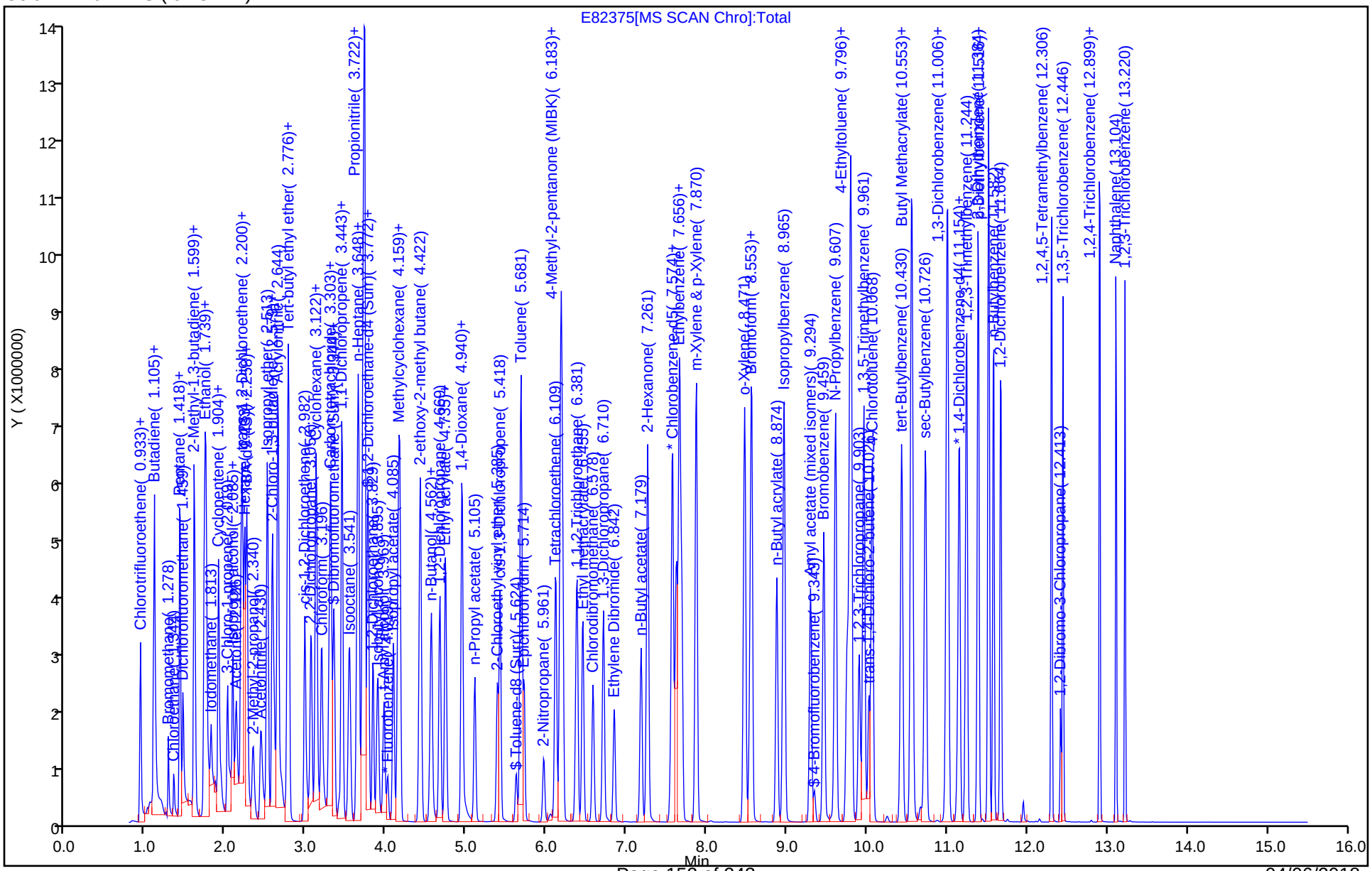
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

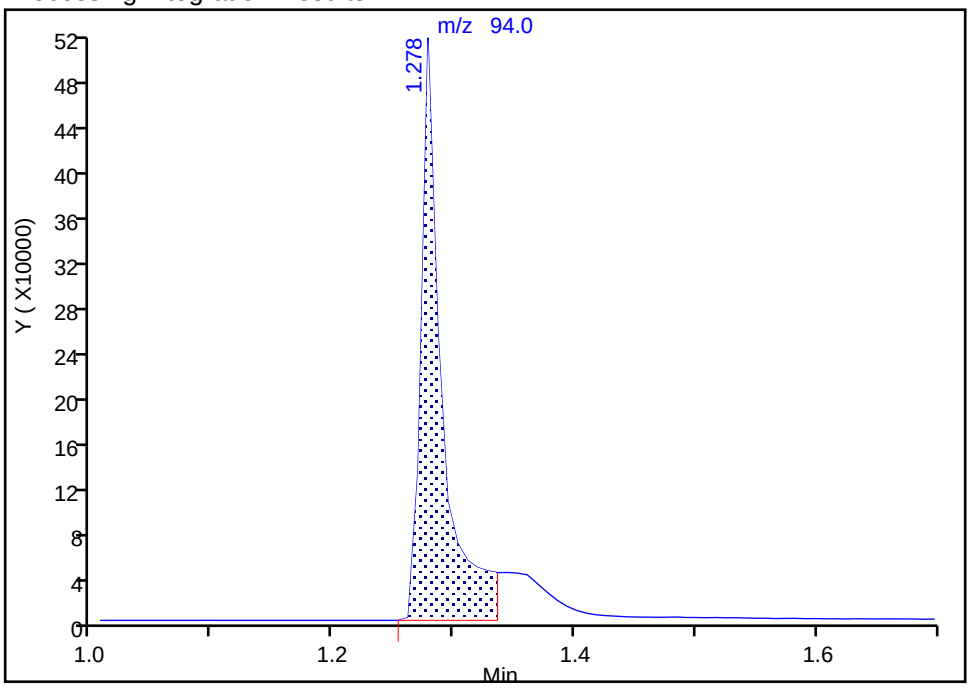
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82375.D
Injection Date: 17-Mar-2018 07:59:30 Instrument ID: CVOAMS5
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 6 Bromomethane, CAS: 74-83-9

Signal: 1

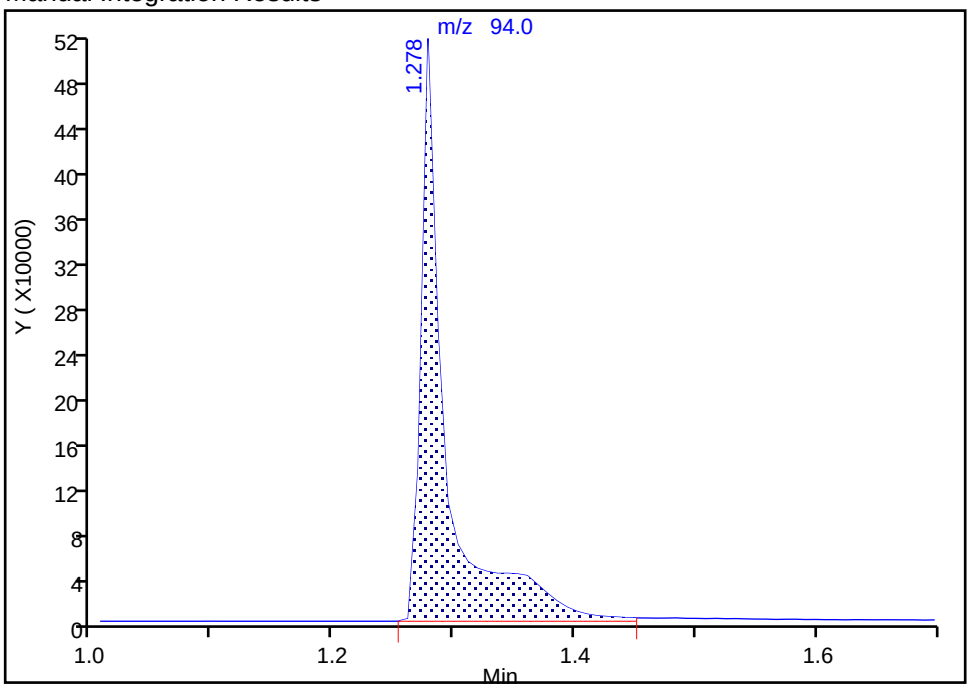
Processing Integration Results

RT: 1.28
Area: 625106
Amount: 523.4810
Amount Units: ug/l




Manual Integration Results

RT: 1.28
Area: 746612
Amount: 604.7228
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 10:01:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

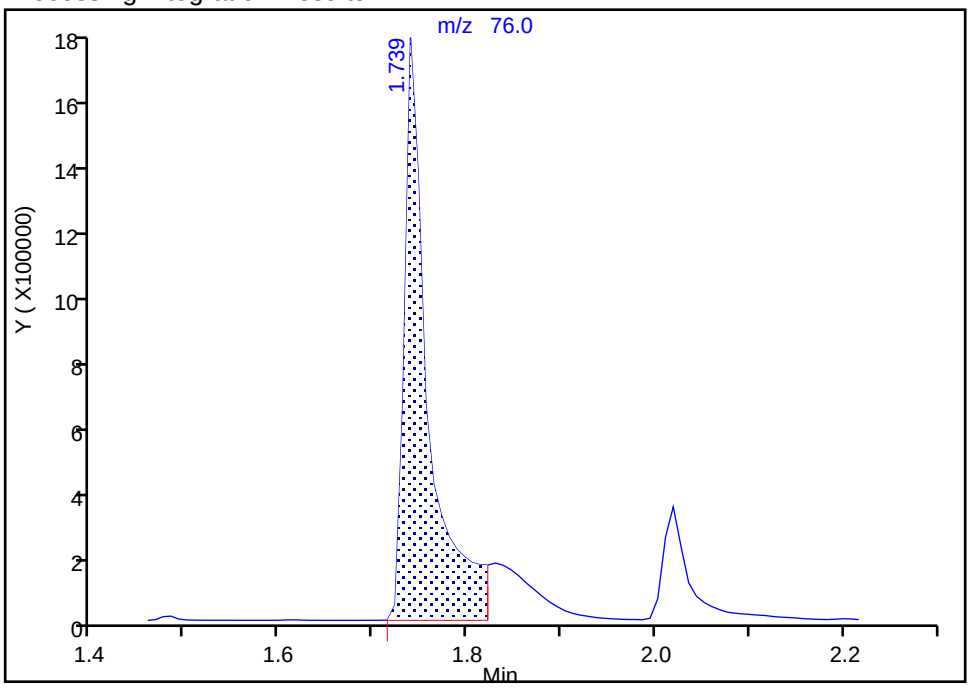
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82375.D
Injection Date: 17-Mar-2018 07:59:30 Instrument ID: CVOAMS5
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 17 Carbon disulfide, CAS: 75-15-0

Signal: 1

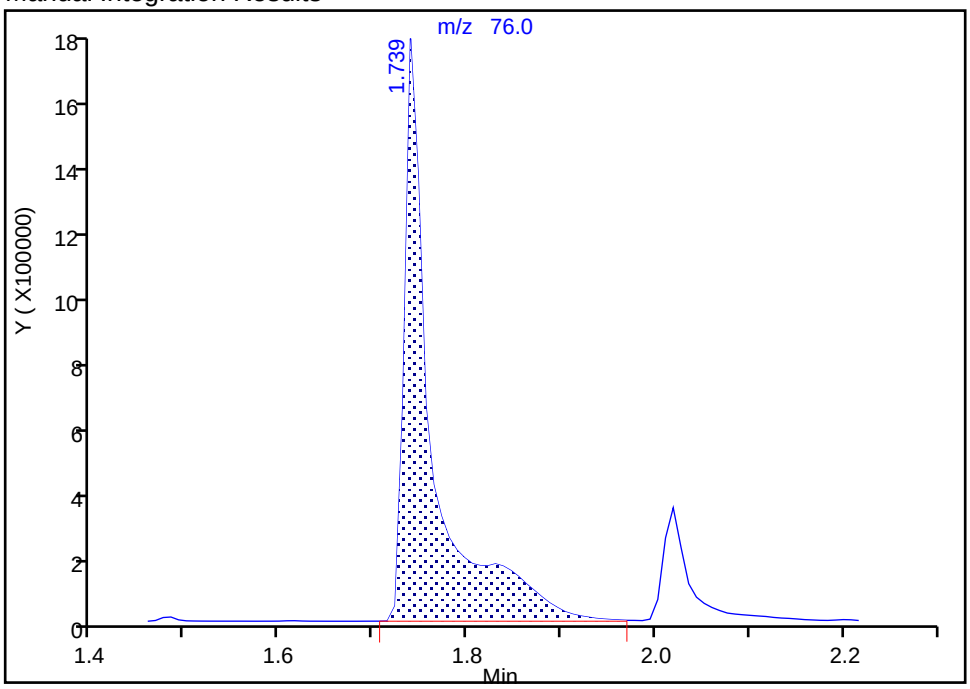
Processing Integration Results

RT: 1.74
Area: 3097985
Amount: 442.5168
Amount Units: ug/l




Manual Integration Results

RT: 1.74
Area: 3636422
Amount: 435.8519
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 10:02:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

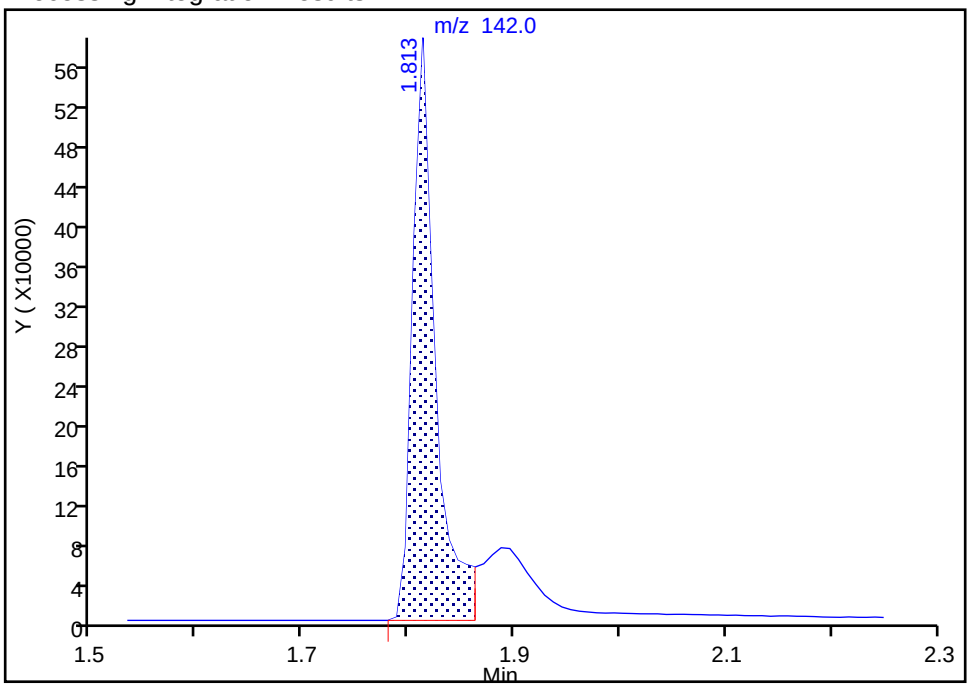
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82375.D
Injection Date: 17-Mar-2018 07:59:30 Instrument ID: CVOAMS5
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 18 Iodomethane, CAS: 74-88-4

Signal: 1

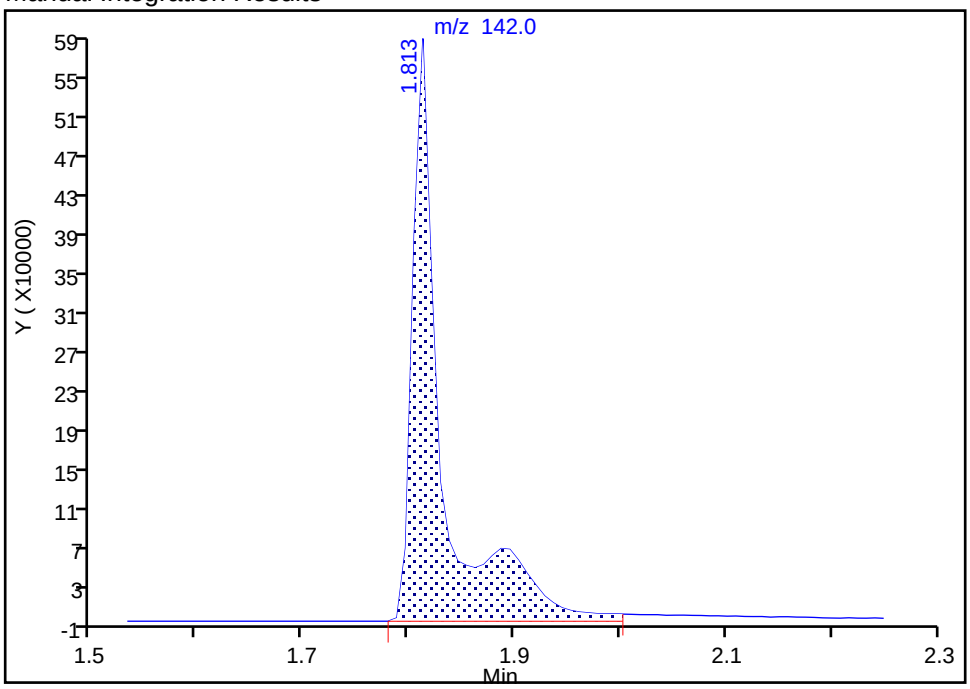
Processing Integration Results

RT: 1.81
Area: 876899
Amount: 498.6911
Amount Units: ug/l




Manual Integration Results

RT: 1.81
Area: 1137100
Amount: 601.3589
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 10:02:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

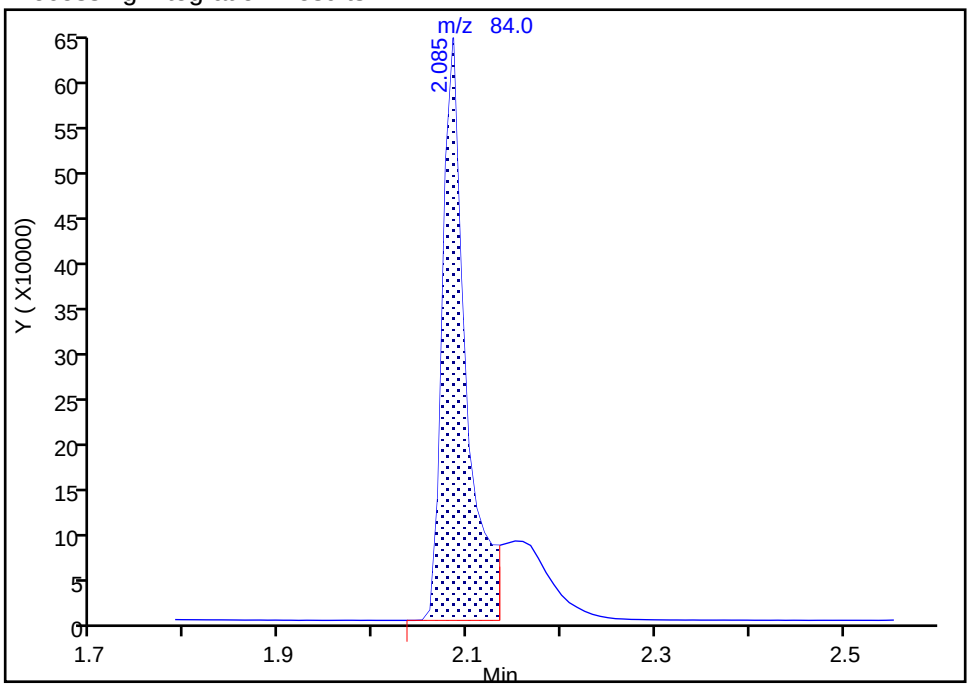
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82375.D
Injection Date: 17-Mar-2018 07:59:30 Instrument ID: CVOAMS5
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 23 Methylene Chloride, CAS: 75-09-2

Signal: 1

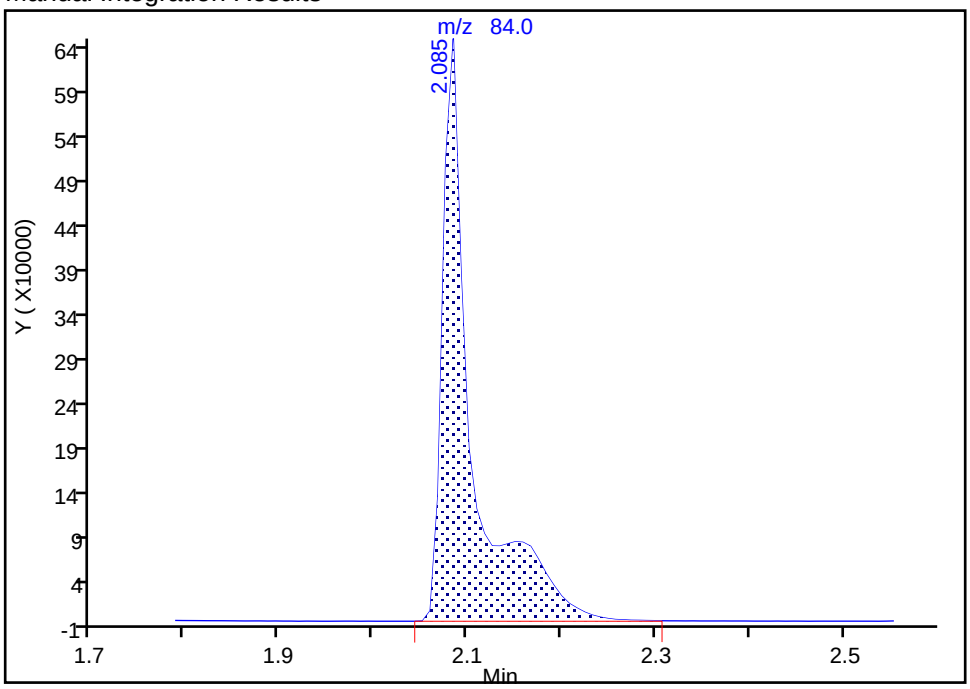
Processing Integration Results

RT: 2.08
Area: 1124524
Amount: 349.9626
Amount Units: ug/l




Manual Integration Results

RT: 2.08
Area: 1421798
Amount: 429.2401
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 10:02:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Mar-2018 12:52:30 ALS Bottle#: 19 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0068911-014
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 21-Mar-2018 10:41:20 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: moroneyc Date: 19-Mar-2018 09:17:04

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.925 | 0.924 | 0.001 | 85 | 1084 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 98 | 2593 | 1.00 | 0.7954 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 98 | 3004 | 1.00 | 0.9113 | |
| 5 Chloromethane | 50 | 1.106 | 1.105 | 0.001 | 86 | 4910 | 1.00 | 1.10 | |
| 4 Butadiene | 54 | 1.106 | 1.105 | 0.001 | 89 | 2415 | 1.00 | 0.8343 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 90 | 1030 | 1.00 | 0.9180 | |
| 7 Chloroethane | 64 | 1.353 | 1.344 | 0.009 | 94 | 905 | 1.00 | 1.01 | |
| 8 Pentane | 72 | 1.427 | 1.418 | 0.009 | 94 | 637 | 2.00 | 2.17 | |
| 9 Trichlorofluoromethane | 101 | 1.427 | 1.426 | 0.001 | 62 | 2673 | 1.00 | 0.8538 | a |
| 10 Dichlorofluoromethane | 67 | 1.460 | 1.459 | 0.001 | 97 | 3537 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 95 | 3598 | 1.00 | 1.08 | |
| 13 Ethyl ether | 59 | 1.616 | 1.616 | 0.000 | 94 | 2569 | 1.00 | 1.17 | |
| 12 Ethanol | 46 | 1.706 | 1.723 | -0.017 | 90 | 1416 | 40.0 | 118.9 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 89 | 3336 | NC | NC | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 93 | 2975 | 1.00 | 1.25 | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 99 | 11720 | 1.00 | 1.52 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.748 | 1.747 | 0.001 | 89 | 2653 | 1.00 | 1.20 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 94 | 2548 | 1.00 | 1.46 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 97 | 6251 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 96 | 1377 | 4.00 | 3.83 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 92 | 1507 | 1.00 | 1.14 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 2168 | 10.0 | 12.4 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 86 | 3738 | 1.00 | 1.22 | |
| 24 Acetone | 58 | 2.118 | 2.126 | -0.008 | 88 | 2191 | 5.00 | 6.65 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 93 | 3721 | 1.00 | 1.26 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 99 | 3047 | 5.00 | 5.32 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 78 | 650 | 1.00 | 1.02 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 87 | 9090 | 1.00 | 1.11 | |
| * 29 TBA-d9 (IS) | 65 | 2.283 | 2.282 | 0.000 | 98 | 246644 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 99 | 3502 | 10.0 | 12.0 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.431 | 2.430 | 0.001 | 99 | 4683 | 10.0 | 10.7 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 95 | 9612 | 1.00 | 1.07 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.571 | 2.579 | -0.008 | 90 | 2523 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 99 | 5865 | 1.00 | 1.15 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 13378 | 10.0 | 10.7 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 91 | 8663 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.785 | 2.776 | 0.009 | 99 | 819 | 2.00 | 1.52 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 98 | 3979 | 1.00 | 1.19 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 96 | 3417 | 1.00 | 1.01 | |
| 40 Cyclohexane | 56 | 3.114 | 3.122 | -0.008 | 86 | 4312 | 1.00 | 1.04 | |
| 41 Chlorobromomethane | 128 | 3.130 | 3.130 | 0.000 | 91 | 1890 | 1.00 | 1.25 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 100 | 5702 | 1.00 | 1.17 | |
| 43 Carbon tetrachloride | 117 | 3.278 | 3.286 | -0.008 | 99 | 2633 | 1.00 | 1.09 | |
| 45 Ethyl acetate | 70 | 3.295 | 3.303 | -0.008 | 98 | 900 | 2.00 | 2.39 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 53 | 2687 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 36 | 2653 | 2.00 | 2.27 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.327 | 0.001 | 97 | 121307 | 50.0 | 49.7 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 97 | 3921 | 1.00 | 1.07 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 316306 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 89 | 5003 | 1.00 | 1.30 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 100 | 2432 | 5.00 | 5.79 | |
| 52 Isooctane | 57 | 3.542 | 3.533 | 0.009 | 99 | 5896 | NC | NC | |
| 53 n-Heptane | 57 | 3.632 | 3.632 | 0.000 | 88 | 1297 | 1.00 | 0.9840 | |
| 54 Benzene | 78 | 3.649 | 3.648 | 0.001 | 95 | 13867 | 1.00 | 1.16 | |
| 55 Propionitrile | 54 | 3.690 | 3.690 | 0.000 | 96 | 5369 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 90 | 14976 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 39 | 8223 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 144638 | 50.0 | 49.1 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 97 | 4677 | 1.00 | 1.26 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 96 | 2899 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 93 | 1843 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 557227 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 99 | 5250 | 1.00 | 1.02 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 94 | 4144 | 1.00 | 1.04 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 95 | 4295 | 1.00 | 1.38 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.422 | -0.008 | 96 | 5966 | NC | NC | |
| 68 n-Butanol | 56 | 4.546 | 4.545 | 0.001 | 77 | 1920 | 25.0 | 25.6 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 95 | 1911 | 1.00 | 1.08 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 86 | 3138 | 1.00 | 1.06 | |
| 71 Ethyl acrylate | 55 | 4.735 | 4.727 | 0.008 | 91 | 3258 | 1.00 | 0.9045 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 92 | 3130 | 1.00 | 1.03 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 96 | 33192 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.932 | 4.941 | -0.008 | 57 | 1681 | 2.00 | 1.87 | |
| 74 1,4-Dioxane | 88 | 4.957 | 4.965 | -0.008 | 86 | 2456 | 50.0 | 58.6 | M |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 98 | 4161 | 1.00 | 1.03 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 93 | 1249 | 1.00 | 0.7916 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 3912 | 1.00 | 0.9378 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.616 | 5.615 | 0.001 | 100 | 537268 | 50.0 | 49.0 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 95 | 15327 | 1.00 | 1.19 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 98 | 4155 | 20.0 | 20.9 | |
| 81 2-Nitropropane | 41 | 5.961 | 5.953 | 0.008 | 95 | 735 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 95 | 3733 | 1.00 | 1.26 | |

| 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 | 6.167 | 6.167 | 0.000 | 95 | 12667 | 5.00 | 4.93 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.183 | 6.183 | 0.000 | 93 | 3673 | 1.00 | 0.9756 | |
| 85 1,1,2-Trichloroethane | 83 | 6.373 | 6.372 | 0.001 | 94 | 2448 | 1.00 | 1.05 | |
| 86 Ethyl methacrylate | 69 | 6.447 | 6.447 | 0.000 | 88 | 2805 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 1933 | 1.00 | 0.9418 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 5174 | 1.00 | 1.08 | |
| 89 Ethylene Dibromide | 107 | 6.834 | 6.833 | 0.001 | 96 | 2945 | 1.00 | 1.09 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 97 | 3255 | 1.00 | 0.8523 | |
| 91 2-Hexanone | 43 | 7.253 | 7.253 | 0.000 | 96 | 7947 | 5.00 | 4.48 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 85 | 431173 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 10021 | 1.00 | 1.19 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 98 | 4571 | 1.00 | 1.06 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 90 | 2230 | 1.00 | 0.9836 | |
| 96 m-Xylene & p-Xylene | 106 | 7.862 | 7.862 | 0.000 | 95 | 5255 | 1.00 | 1.02 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 94 | 4517 | 1.00 | 0.9378 | |
| 98 Bromoform | 173 | 8.521 | 8.520 | 0.001 | 93 | 898 | 1.00 | 0.8132 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 96 | 6877 | 1.00 | 0.8563 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 95 | 1323 | 1.00 | 0.6979 | |
| 101 Isopropylbenzene | 105 | 8.949 | 8.948 | 0.001 | 96 | 10758 | 1.00 | 0.8960 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 88 | 2997 | 1.00 | 0.7315 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 91 | 159278 | 50.0 | 49.3 | |
| 104 Bromobenzene | 156 | 9.451 | 9.450 | 0.001 | 96 | 3993 | 1.00 | 1.16 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 99 | 15592 | 1.00 | 1.07 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.730 | 9.738 | -0.008 | 97 | 3739 | 1.00 | 1.05 | |
| 107 2-Chlorotoluene | 91 | 9.780 | 9.780 | 0.000 | 96 | 10957 | 1.00 | 1.07 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 98 | 11682 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 95 | 1176 | 1.00 | 1.08 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 9248 | 1.00 | 0.9394 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.010 | 0.000 | 69 | 623 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.051 | 10.043 | 0.008 | 97 | 9502 | 1.00 | 1.00 | |
| 113 tert-Butylbenzene | 119 | 10.422 | 10.421 | 0.001 | 94 | 7329 | 1.00 | 0.9311 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 93 | 1948 | 1.00 | 0.6087 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.553 | 10.553 | 0.000 | 97 | 8755 | 1.00 | 0.8559 | |
| 116 sec-Butylbenzene | 105 | 10.718 | 10.718 | 0.000 | 99 | 11093 | 1.00 | 0.9487 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 97 | 7405 | 1.00 | 1.17 | |
| 118 4-Isopropyltoluene | 119 | 10.990 | 10.989 | 0.001 | 97 | 8025 | 1.00 | 0.8408 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 95 | 227374 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.138 | 11.137 | 0.001 | 92 | 8228 | 1.00 | 1.23 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 10612 | 1.00 | 0.9581 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 92 | 10697 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 95 | 608 | 1.00 | 0.6440 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 94 | 4981 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.574 | 11.574 | 0.000 | 97 | 4389 | 1.00 | 0.9320 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 95 | 7052 | 1.00 | 1.14 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 97 | 6955 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 88 | 446 | 1.00 | 0.8103 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 97 | 4608 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 93 | 4181 | 1.00 | 1.17 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 64 | 1535 | 1.00 | 1.34 | |
| 132 Naphthalene | 128 | 13.105 | 13.104 | 0.001 | 100 | 7997 | 1.00 | 0.9887 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 3686 | 1.00 | 1.14 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 2.00 | 2.45 | |

| 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 | 1.91 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 2.00 | 1.96 | |
| S 137 Total BTEX | 1 | | | | 0 | | 5.00 | 5.37 | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

## Reagents:

| | | | | | |
|---|---|---|---|---|---|
| GAS Hi_00245 | Amount Added: | 1.00 | Units: uL | | |
| Ethanol mix_00013 | Amount Added: | 1.00 | Units: uL | | |
| MIX 2 Hi_00068 | Amount Added: | 1.00 | Units: uL | | |
| MIX I Hi_00087 | Amount Added: | 1.00 | Units: uL | | |
| ACROLEIN W_00074 | Amount Added: | 4.00 | Units: uL | | |
| 14DIOXINTER_00082 | Amount Added: | 30.00 | Units: uL | | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent | |

Report Date: 21-Mar-2018 10:41:24 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Injection Date: 17-Mar-2018 12:52:30 Instrument ID: CVOAMS5 Operator ID:

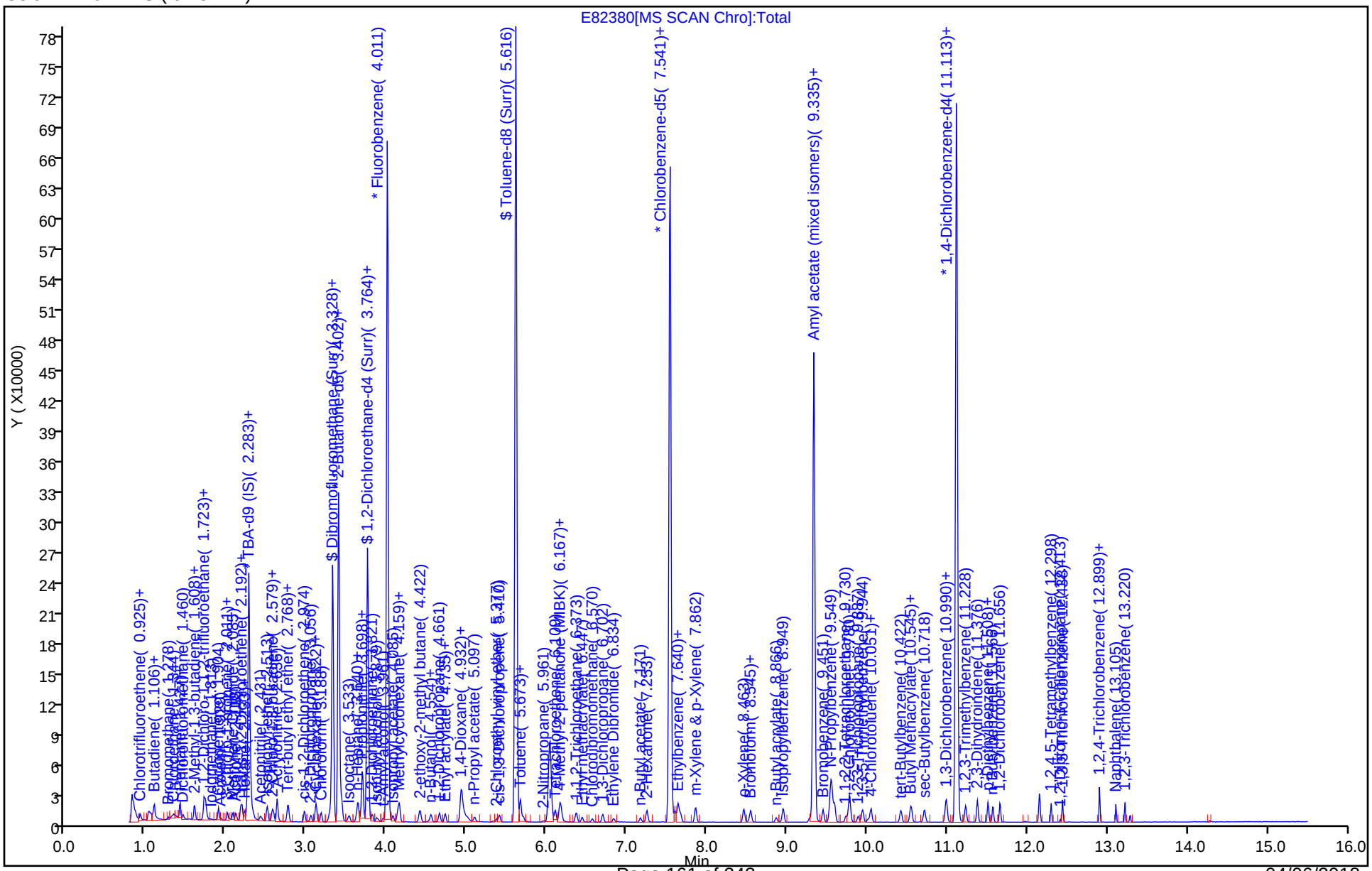
Lims ID: STD1 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

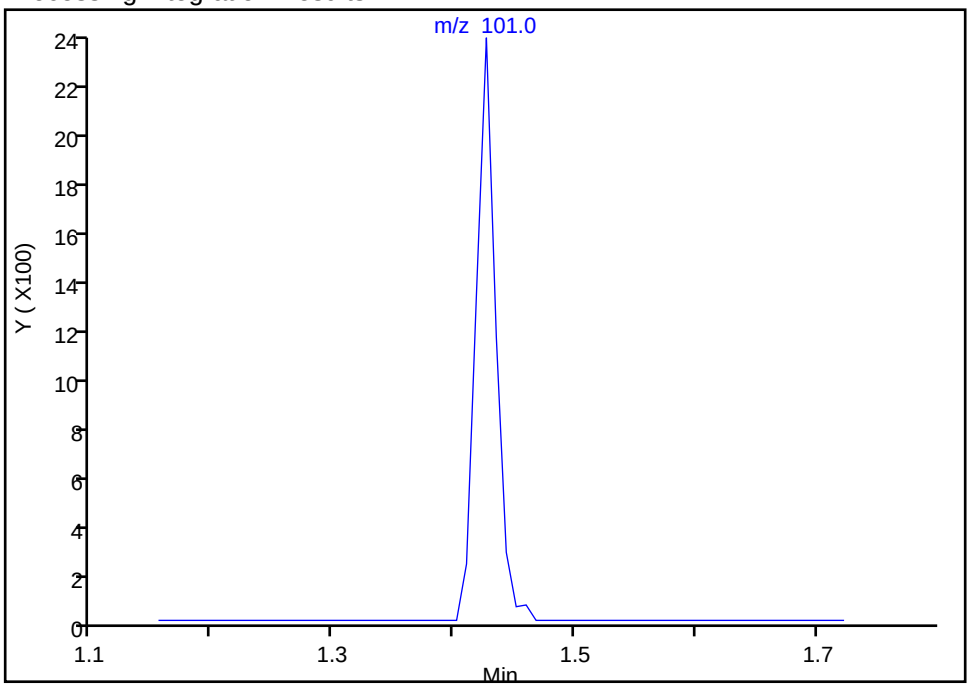
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D
Injection Date: 17-Mar-2018 12:52:30 Instrument ID: CVOAMS5
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

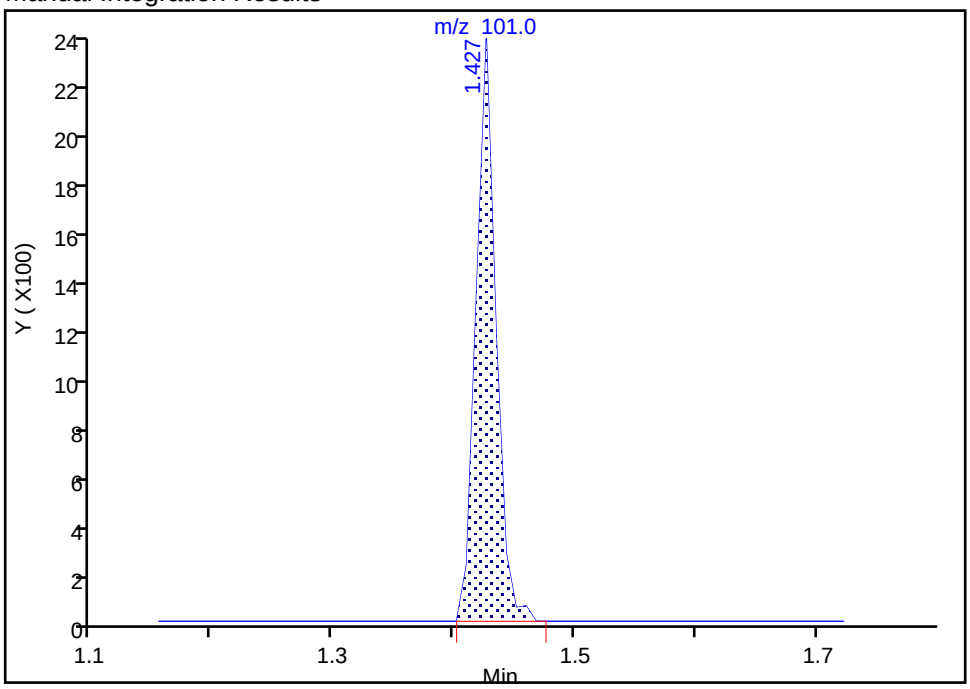
Not Detected
Expected RT: 1.43

Processing Integration Results




Manual Integration Results

RT: 1.43
Area: 2673
Amount: 0.853833
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 10:04:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

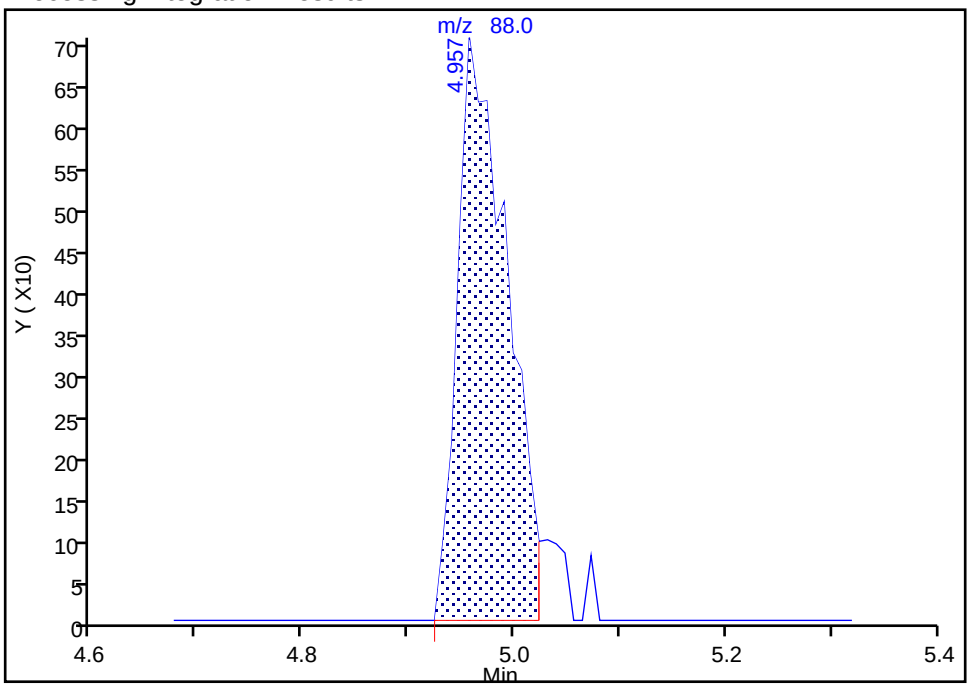
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D
Injection Date: 17-Mar-2018 12:52:30 Instrument ID: CVOAMS5
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

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

Signal: 1

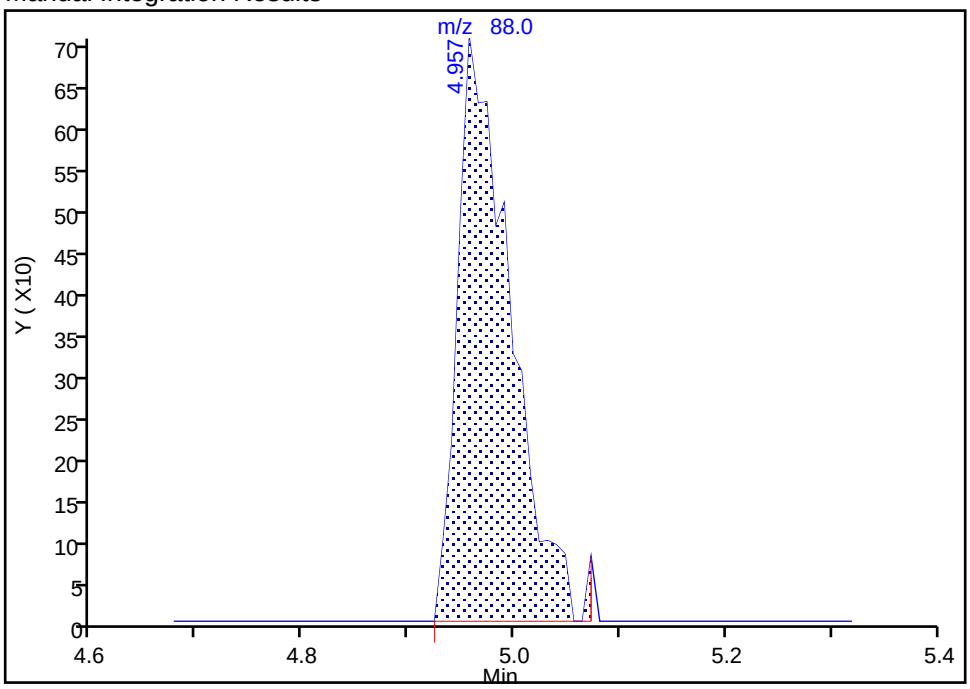
Processing Integration Results

RT: 4.96
Area: 2284
Amount: 55.275551
Amount Units: ug/l




Manual Integration Results

RT: 4.96
Area: 2456
Amount: 58.624720
Amount Units: ug/l




Reviewer: delpolitov, 21-Mar-2018 10:05:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID (1): CCVIS 460-508038/3 Instrument ID (1): CVOAMS5

GC Column (1): Rtx-VMS ID: 0.18(mm) Date Analyzed (1): 04/03/2018 11:05

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| Xylenes, Total | | 100.0 |
| 1,2-Dichloroethene, Total | | 100.0 |
| Vinyl chloride | 1.09 | 100.0 |
| Chloromethane | 1.11 | 100.0 |
| Bromomethane | 1.28 | 100.0 |
| Chloroethane | 1.34 | 100.0 |
| n-Pentane | 1.42 | 100.0 |
| Ethanol | 1.71 | 100.0 |
| 1,1-Dichloroethene | 1.72 | 100.0 |
| Carbon disulfide | 1.74 | 100.0 |
| Acrolein | 1.94 | 100.0 |
| Isopropanol | 2.04 | 100.0 |
| Methylene Chloride | 2.08 | 100.0 |
| Acetone | 2.12 | 100.0 |
| trans-1,2-Dichloroethene | 2.18 | 100.0 |
| Methyl acetate | 2.20 | 100.0 |
| TBA | 2.33 | 100.0 |
| Acetonitrile | 2.43 | 100.0 |
| 1,1-Dichloroethane | 2.59 | 100.0 |
| Acrylonitrile | 2.64 | 100.0 |
| Vinyl acetate | 2.78 | 100.0 |
| cis-1,2-Dichloroethene | 2.97 | 100.0 |
| Chloroform | 3.19 | 100.0 |
| Carbon tetrachloride | 3.28 | 100.0 |
| Ethyl acetate | 3.30 | 100.0 |
| Tetrahydrofuran | 3.31 | 100.0 |
| Dibromofluoromethane (Surr) | 3.33 | 100.0 |
| 1,1,1-Trichloroethane | 3.34 | 100.0 |
| 2-Butanone | 3.44 | 100.0 |
| Benzene | 3.65 | 100.0 |
| 1,2-Dichloroethane-d4 (Surr) | 3.76 | 100.0 |
| 1,2-Dichloroethane | 3.82 | 100.0 |
| Trichloroethene | 4.16 | 100.0 |
| n-Butanol | 4.54 | 100.0 |
| 1,2-Dichloropropane | 4.66 | 100.0 |
| Bromodichloromethane | 4.74 | 100.0 |
| Methyl methacrylate | 4.93 | 100.0 |
| 1,4-Dioxane | 4.96 | 100.0 |
| cis-1,3-Dichloropropene | 5.41 | 100.0 |
| Toluene-d8 (Surr) | 5.62 | 100.0 |
| Toluene | 5.67 | 100.0 |
| Epichlorohydrin | 5.71 | 100.0 |
| Tetrachloroethene | 6.11 | 100.0 |
| 4-Methyl-2-pentanone | 6.16 | 100.0 |
| trans-1,3-Dichloropropene | 6.18 | 100.0 |

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID (1): CCVIS 460-508038/3 Instrument ID (1): CVOAMS5

GC Column (1): Rtx-VMS ID: 0.18(mm) Date Analyzed (1): 04/03/2018 11:05

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| 1,1,2-Trichloroethane | 6.37 | 100.0 |
| Dibromochloromethane | 6.57 | 100.0 |
| 2-Hexanone | 7.25 | 100.0 |
| Chlorobenzene | 7.56 | 100.0 |
| Ethylbenzene | 7.64 | 100.0 |
| m-Xylene & p-Xylene | 7.85 | 100.0 |
| o-Xylene | 8.46 | 100.0 |
| Bromoform | 8.52 | 100.0 |
| Styrene | 8.55 | 100.0 |
| Bromofluorobenzene | 9.34 | 100.0 |
| 1,1,2,2-Tetrachloroethane | 9.73 | 100.0 |

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID (1): CCVIS 460-508329/3 Instrument ID (1): CVOAMS5

GC Column (1): Rtx-VMS ID: 0.18(mm) Date Analyzed (1): 04/04/2018 09:43

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| Xylenes, Total | | 100.0 |
| 1,2-Dichloroethene, Total | | 100.0 |
| Dichlorodifluoromethane | 0.93 | 100.0 |
| Vinyl chloride | 1.10 | 100.0 |
| Chloromethane | 1.11 | 100.0 |
| Butadiene | 1.11 | 100.0 |
| Bromomethane | 1.28 | 100.0 |
| Chloroethane | 1.34 | 100.0 |
| n-Pentane | 1.42 | 100.0 |
| Ethanol | 1.72 | 100.0 |
| 1,1-Dichloroethene | 1.72 | 100.0 |
| Carbon disulfide | 1.74 | 100.0 |
| Iodomethane | 1.81 | 100.0 |
| Acrolein | 1.94 | 100.0 |
| Isopropanol | 2.04 | 100.0 |
| Methylene Chloride | 2.09 | 100.0 |
| Acetone | 2.13 | 100.0 |
| trans-1,2-Dichloroethene | 2.18 | 100.0 |
| Methyl acetate | 2.20 | 100.0 |
| Hexane | 2.23 | 100.0 |
| TBA | 2.33 | 100.0 |
| Acetonitrile | 2.43 | 100.0 |
| 1,1-Dichloroethane | 2.60 | 100.0 |
| Acrylonitrile | 2.64 | 100.0 |
| Vinyl acetate | 2.78 | 100.0 |
| cis-1,2-Dichloroethene | 2.97 | 100.0 |
| Chloroform | 3.19 | 100.0 |
| Carbon tetrachloride | 3.29 | 100.0 |
| Ethyl acetate | 3.30 | 100.0 |
| Tetrahydrofuran | 3.31 | 100.0 |
| Dibromofluoromethane (Surr) | 3.33 | 100.0 |
| 1,1,1-Trichloroethane | 3.34 | 100.0 |
| 2-Butanone | 3.44 | 100.0 |
| Benzene | 3.65 | 100.0 |
| 1,2-Dichloroethane-d4 (Surr) | 3.76 | 100.0 |
| 1,2-Dichloroethane | 3.82 | 100.0 |
| Trichloroethene | 4.16 | 100.0 |
| n-Butanol | 4.55 | 100.0 |
| 1,2-Dichloropropane | 4.66 | 100.0 |
| Bromodichloromethane | 4.74 | 100.0 |
| Methyl methacrylate | 4.93 | 100.0 |
| 1,4-Dioxane | 4.96 | 100.0 |
| cis-1,3-Dichloropropene | 5.41 | 100.0 |
| Toluene-d8 (Surr) | 5.62 | 100.0 |
| Toluene | 5.67 | 100.0 |

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID (1): CCVIS 460-508329/3 Instrument ID (1): CVOAMS5

GC Column (1): Rtx-VMS ID: 0.18(mm) Date Analyzed (1): 04/04/2018 09:43

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| Epichlorohydrin | 5.71 | 100.0 |
| Tetrachloroethene | 6.11 | 100.0 |
| 4-Methyl-2-pentanone | 6.17 | 100.0 |
| trans-1,3-Dichloropropene | 6.18 | 100.0 |
| 1,1,2-Trichloroethane | 6.37 | 100.0 |
| Dibromochloromethane | 6.57 | 100.0 |
| 2-Hexanone | 7.25 | 100.0 |
| Chlorobenzene | 7.56 | 100.0 |
| Ethylbenzene | 7.64 | 100.0 |
| 1,1,1,2-Tetrachloroethane | 7.67 | 100.0 |
| m-Xylene & p-Xylene | 7.85 | 100.0 |
| o-Xylene | 8.46 | 100.0 |
| Bromoform | 8.52 | 100.0 |
| Styrene | 8.55 | 100.0 |
| Amyl acetate | 9.29 | 100.0 |
| Bromofluorobenzene | 9.34 | 100.0 |
| 1,1,2,2-Tetrachloroethane | 9.74 | 100.0 |
| 1,2,4-Trimethylbenzene | 10.55 | 100.0 |
| p-Isopropyltoluene | 10.99 | 100.0 |
| 1,2,4-Trichlorobenzene | 12.90 | 100.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID: CCVIS 460-508038/3 Calibration Date: 04/03/2018 11:05

Instrument ID: CVOAMS5 Calib Start Date: 03/17/2018 04:53

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 03/17/2018 12:52

Lab File ID: E83094.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 | 0.2925 | 0.2777 | | 19.0 | 20.0 | -5.1 | 50.0 |
| Vinyl chloride | Ave | 0.2958 | 0.2797 | | 18.9 | 20.0 | -5.4 | 96.0 |
| Butadiene | Ave | 0.2598 | 0.2396 | | 18.4 | 20.0 | -7.8 | 50.0 |
| Chloromethane | Ave | 0.4007 | 0.3473 | 0.1000 | 17.3 | 20.0 | -13.3 | 104.0 |
| Bromomethane | Ave | 4.549 | 4.670 | | 20.5 | 20.0 | 2.6 | 86.0 |
| Chloroethane | Ave | 3.632 | 4.173 | | 23.0 | 20.0 | 14.9 | 62.0 |
| n-Pentane | Ave | 0.2319 | 0.2978 | | 51.4 | 40.0 | 28.4 | 50.0 |
| Trichlorofluoromethane | Ave | 0.2809 | 0.3321 | | 23.6 | 20.0 | 18.2 | 52.0 |
| Isoprene | Ave | 0.2987 | 0.2902 | | 19.4 | 20.0 | -2.8 | 50.0 |
| Ethyl ether | Ave | 0.1963 | 0.1967 | | 20.0 | 20.0 | 0.2 | 50.0 |
| Ethanol | LinF | | 0.0520 | | 862 | 800 | 7.8 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2144 | 0.2157 | | 20.1 | 20.0 | 0.6 | 49.5 |
| Carbon disulfide | Ave | 0.6922 | 0.6492 | | 18.8 | 20.0 | -6.2 | 50.0 |
| Freon TF | Ave | 0.1990 | 0.2084 | | 20.9 | 20.0 | 4.7 | 50.0 |
| Iodomethane | Ave | 0.1569 | 0.1701 | | 21.7 | 20.0 | 8.4 | 50.0 |
| Acrolein | Ave | 1.456 | 1.326 | | 36.4 | 40.0 | -9.0 | 99.0 |
| Allyl chloride | Ave | 0.1186 | 0.1291 | | 21.8 | 20.0 | 8.9 | 50.0 |
| Isopropanol | Ave | 0.7078 | 0.5777 | | 163 | 200 | -18.4 | 50.0 |
| Methylene Chloride | Ave | 0.2748 | 0.2224 | | 16.2 | 20.0 | -19.1 | 39.5 |
| Acetone | Ave | 0.2602 | 0.2301 | | 88.4 | 100 | -11.6 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2657 | 0.2863 | | 21.5 | 20.0 | 7.7 | 30.5 |
| Methyl acetate | Ave | 2.323 | 2.260 | | 97.3 | 100 | -2.7 | 50.0 |
| Hexane | Ave | 2.588 | 2.779 | | 21.5 | 20.0 | 7.4 | 50.0 |
| MTBE | Ave | 0.7356 | 0.7607 | | 20.7 | 20.0 | 3.4 | 50.0 |
| TBA | Ave | 1.181 | 1.098 | | 186 | 200 | -7.1 | 50.0 |
| Acetonitrile | Ave | 1.779 | 1.571 | | 177 | 200 | -11.7 | 50.0 |
| DIPE | Ave | 0.8036 | 0.7993 | | 19.9 | 20.0 | -0.5 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4582 | 0.4596 | 0.1000 | 20.1 | 20.0 | 0.3 | 27.5 |
| Acrylonitrile | Ave | 0.1118 | 0.1054 | | 189 | 200 | -5.7 | 50.0 |
| Vinyl acetate | Ave | 0.4254 | 0.6060 | | 57.0 | 40.0 | 42.5 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2999 | 0.3096 | | 20.6 | 20.0 | 3.2 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3042 | 0.3320 | | 21.8 | 20.0 | 9.1 | 50.0 |
| Cyclohexane | Ave | 0.3718 | 0.3923 | | 21.1 | 20.0 | 5.5 | 50.0 |
| Bromochloromethane | Ave | 0.1356 | 0.1478 | | 21.8 | 20.0 | 9.0 | 50.0 |
| Chloroform | Ave | 0.4379 | 0.4503 | | 20.6 | 20.0 | 2.8 | 32.5 |
| Carbon tetrachloride | Ave | 0.2164 | 0.2580 | | 23.8 | 20.0 | 19.2 | 27.0 |
| Ethyl acetate | Ave | 0.2976 | 0.3264 | | 43.9 | 40.0 | 9.7 | 50.0 |
| Tetrahydrofuran | Ave | 0.9250 | 0.9782 | | 42.3 | 40.0 | 5.8 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 0.3282 | 0.3630 | | 22.1 | 20.0 | 10.6 | 25.0 |
| 1,1-Dichloropropene | Ave | 0.3452 | 0.3549 | | 20.6 | 20.0 | 2.8 | 50.0 |
| 2-Butanone | Ave | 0.3321 | 0.3507 | | 106 | 100 | 5.6 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID: CCVIS 460-508038/3 Calibration Date: 04/03/2018 11:05

Instrument ID: CVOAMS5 Calib Start Date: 03/17/2018 04:53

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 03/17/2018 12:52

Lab File ID: E83094.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 |
|---|---|---|---|---|---|---|---|---|
| n-Heptane | Ave | 0.1183 | 0.1239 | | 21.0 | 20.0 | 4.8 | 50.0 |
| Benzene | Ave | 1.384 | 1.344 | | 19.4 | 20.0 | -2.9 | 36.0 |
| 1,2-Dichloroethane | Ave | 0.3321 | 0.3372 | | 20.3 | 20.0 | 1.5 | 32.0 |
| Isopropyl acetate | Ave | 0.4613 | 0.4230 | | 18.3 | 20.0 | -8.3 | 50.0 |
| Methylcyclohexane | Ave | 0.3580 | 0.3810 | | 21.3 | 20.0 | 6.4 | 50.0 |
| Trichloroethene | Ave | 0.2786 | 0.2719 | | 19.5 | 20.0 | -2.4 | 33.5 |
| n-Butanol | Ave | 0.3041 | 0.2939 | | 483 | 500 | -3.4 | 50.0 |
| Dibromomethane | Ave | 0.1584 | 0.1671 | | 21.1 | 20.0 | 5.5 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2661 | 0.2619 | | 19.7 | 20.0 | -1.6 | 66.0 |
| Ethyl acrylate | Ave | 0.3232 | 0.3264 | | 20.2 | 20.0 | 1.0 | 50.0 |
| Bromodichloromethane | Ave | 0.2727 | 0.3055 | | 22.4 | 20.0 | 12.0 | 34.5 |
| Methyl methacrylate | Ave | 0.0805 | 0.0869 | | 43.2 | 40.0 | 8.0 | 50.0 |
| 1,4-Dioxane | Ave | 1.262 | 1.249 | | 396 | 400 | -1.1 | 50.0 |
| Propyl acetate | Ave | 0.3619 | 0.3364 | | 18.6 | 20.0 | -7.1 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1416 | 0.1354 | | 19.1 | 20.0 | -4.4 | 124.0 |
| cis-1,3-Dichloropropene | Ave | 0.4838 | 0.4798 | | 19.8 | 20.0 | -0.8 | 76.0 |
| Toluene | Ave | 1.489 | 1.431 | | 19.2 | 20.0 | -3.9 | 25.5 |
| Epichlorohydrin | Ave | 0.1575 | 0.1734 | | 440 | 400 | 10.1 | 50.0 |
| Tetrachloroethene | Ave | 0.3449 | 0.3632 | | 21.1 | 20.0 | 5.3 | 26.5 |
| 4-Methyl-2-pentanone | Ave | 2.031 | 2.248 | | 111 | 100 | 10.7 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.4366 | 0.4324 | | 19.8 | 20.0 | -1.0 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2692 | 0.2474 | | 18.4 | 20.0 | -8.1 | 29.0 |
| Dibromochloromethane | Ave | 0.2380 | 0.2567 | | 21.6 | 20.0 | 7.9 | 32.5 |
| 1,3-Dichloropropane | Ave | 0.5544 | 0.5104 | | 18.4 | 20.0 | -7.9 | 50.0 |
| 1,2-Dibromoethane | Ave | 0.3135 | 0.2996 | | 19.1 | 20.0 | -4.5 | 50.0 |
| Butyl acetate | Ave | 0.4428 | 0.3974 | | 17.9 | 20.0 | -10.3 | 50.0 |
| 2-Hexanone | Ave | 1.401 | 1.582 | | 113 | 100 | 12.9 | 50.0 |
| Chlorobenzene | Ave | 0.9733 | 0.9561 | 0.3000 | 19.6 | 20.0 | -1.8 | 34.0 |
| Ethylbenzene | Ave | 0.5021 | 0.5170 | | 20.6 | 20.0 | 3.0 | 41.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2629 | 0.2735 | | 20.8 | 20.0 | 4.0 | 50.0 |
| m-Xylene & p-Xylene | Ave | 0.5957 | 0.6315 | | 21.2 | 20.0 | 6.0 | 50.0 |
| o-Xylene | Ave | 0.5586 | 0.5940 | | 21.3 | 20.0 | 6.3 | 50.0 |
| Bromoform | Ave | 0.2428 | 0.2573 | 0.1000 | 21.2 | 20.0 | 5.9 | 29.0 |
| Styrene | Ave | 0.9313 | 1.010 | | 21.7 | 20.0 | 8.5 | 50.0 |
| n-Butyl acrylate | Ave | 0.2198 | 0.2172 | | 19.8 | 20.0 | -1.2 | 50.0 |
| Isopropylbenzene | Ave | 1.392 | 1.519 | | 21.8 | 20.0 | 9.1 | 50.0 |
| Amyl acetate | Ave | 0.9009 | 0.8300 | | 18.4 | 20.0 | -7.9 | 50.0 |
| Bromobenzene | Ave | 0.7546 | 0.7513 | | 19.9 | 20.0 | -0.4 | 50.0 |
| N-Propylbenzene | Ave | 3.205 | 3.062 | | 19.1 | 20.0 | -4.5 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.7866 | 0.6898 | 0.3000 | 17.5 | 20.0 | -12.3 | 39.5 |
| 2-Chlorotoluene | Ave | 2.249 | 2.206 | | 19.6 | 20.0 | -1.9 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID: CCVIS 460-508038/3 Calibration Date: 04/03/2018 11:05

Instrument ID: CVOAMS5 Calib Start Date: 03/17/2018 04:53

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 03/17/2018 12:52

Lab File ID: E83094.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 |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | Ave | 0.2390 | 0.2183 | | 18.3 | 20.0 | -8.7 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.165 | 2.222 | | 20.5 | 20.0 | 2.7 | 50.0 |
| 4-Chlorotoluene | Ave | 2.083 | 2.062 | | 19.8 | 20.0 | -1.0 | 50.0 |
| tert-Butylbenzene | Ave | 1.731 | 1.829 | | 21.1 | 20.0 | 5.6 | 50.0 |
| Butyl Methacrylate | Ave | 0.7038 | 0.6902 | | 19.6 | 20.0 | -1.9 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.249 | 2.346 | | 20.9 | 20.0 | 4.3 | 50.0 |
| sec-Butylbenzene | Ave | 2.571 | 2.588 | | 20.1 | 20.0 | 0.6 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.393 | 1.412 | | 20.3 | 20.0 | 1.4 | 27.0 |
| p-Isopropyltoluene | Ave | 2.099 | 2.198 | | 20.9 | 20.0 | 4.7 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.471 | 1.436 | | 19.5 | 20.0 | -2.4 | 37.0 |
| 1,2,3-Trimethylbenzene | Ave | 2.436 | 2.396 | | 19.7 | 20.0 | -1.6 | 50.0 |
| Benzyl chloride | Ave | 0.2076 | 0.2137 | | 20.6 | 20.0 | 3.0 | 50.0 |
| n-Butylbenzene | Ave | 1.036 | 0.9808 | | 18.9 | 20.0 | -5.3 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.366 | 1.389 | | 20.3 | 20.0 | 1.7 | 37.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1210 | 0.1320 | | 21.8 | 20.0 | 9.1 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.7861 | 0.8219 | | 20.9 | 20.0 | 4.5 | 50.0 |
| Hexachlorobutadiene | Ave | 0.2514 | 0.2669 | | 21.2 | 20.0 | 6.1 | 50.0 |
| Naphthalene | Ave | 1.779 | 2.167 | | 24.4 | 20.0 | 21.8 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.7134 | 0.7732 | | 21.7 | 20.0 | 8.4 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2191 | 0.2441 | | 55.7 | 50.0 | 11.4 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2645 | 0.2825 | | 53.4 | 50.0 | 6.8 | |
| Toluene-d8 (Surr) | Ave | 1.272 | 1.230 | | 48.4 | 50.0 | -3.3 | |
| Bromofluorobenzene | Ave | 0.3746 | 0.4137 | | 55.2 | 50.0 | 10.4 | |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83094.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Apr-2018 11:05:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0069754-003
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 03-Apr-2018 14:13:28 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: parekhv Date: 03-Apr-2018 14:13:28

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.925 | 0.925 | 0.000 | 83 | 14910 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 99 | 47555 | 20.0 | 19.0 | |
| 3 Vinyl chloride | 62 | 1.089 | 1.089 | 0.000 | 99 | 47892 | 20.0 | 18.9 | |
| 5 Chloromethane | 50 | 1.106 | 1.106 | 0.000 | 80 | 59470 | 20.0 | 17.3 | |
| 4 Butadiene | 54 | 1.106 | 1.106 | 0.000 | 89 | 41026 | 20.0 | 18.4 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 98 | 17404 | 20.0 | 20.5 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 97 | 15555 | 20.0 | 23.0 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 96 | 10751 | 40.0 | 51.4 | |
| 9 Trichlorofluoromethane | 101 | 1.427 | 1.427 | 0.000 | 98 | 56876 | 20.0 | 23.6 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 98 | 61282 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 95 | 49705 | 20.0 | 19.4 | |
| 13 Ethyl ether | 59 | 1.608 | 1.608 | 0.000 | 94 | 33680 | 20.0 | 20.0 | |
| 12 Ethanol | 46 | 1.706 | 1.706 | 0.000 | 98 | 7759 | 800.0 | 862.3 | a |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 96 | 36935 | 20.0 | 20.1 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 84 | 41433 | NC | NC | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 98 | 111182 | 20.0 | 18.8 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.748 | 1.748 | 0.000 | 96 | 35694 | 20.0 | 20.9 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 29122 | 20.0 | 21.7 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 90774 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 92 | 9884 | 40.0 | 36.4 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 92 | 22116 | 20.0 | 21.8 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 21532 | 200.0 | 163.2 | |
| 23 Methylene Chloride | 84 | 2.077 | 2.077 | 0.000 | 84 | 38093 | 20.0 | 16.2 | |
| 24 Acetone | 58 | 2.118 | 2.118 | 0.000 | 88 | 20766 | 100.0 | 88.4 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 91 | 49022 | 20.0 | 21.5 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 98 | 42116 | 100.0 | 97.3 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 87 | 10357 | 20.0 | 21.5 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 96 | 130273 | 20.0 | 20.7 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 99 | 186356 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 99 | 40919 | 200.0 | 185.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.431 | 2.431 | 0.000 | 100 | 58535 | 200.0 | 176.6 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 96 | 136879 | 20.0 | 19.9 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.570 | 2.570 | 0.000 | 89 | 41268 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.587 | 2.587 | 0.000 | 100 | 78702 | 20.0 | 20.1 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 96 | 180565 | 200.0 | 188.6 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 91 | 132190 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 21881 | 40.0 | 57.0 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 98 | 53025 | 20.0 | 20.6 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 98 | 56853 | 20.0 | 21.8 | |
| 40 Cyclohexane | 56 | 3.114 | 3.114 | 0.000 | 88 | 67189 | 20.0 | 21.1 | |
| 41 Chlorobromomethane | 128 | 3.122 | 3.122 | 0.000 | 88 | 25306 | 20.0 | 21.8 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 100 | 77112 | 20.0 | 20.6 | |
| 43 Carbon tetrachloride | 117 | 3.278 | 3.278 | 0.000 | 97 | 44187 | 20.0 | 23.8 | |
| 45 Ethyl acetate | 70 | 3.295 | 3.295 | 0.000 | 99 | 11785 | 40.0 | 43.9 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 61 | 41146 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 95 | 35319 | 40.0 | 42.3 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 104502 | 50.0 | 55.7 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 96 | 62170 | 20.0 | 22.1 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 225669 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 79 | 60785 | 20.0 | 20.6 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 97 | 31652 | 100.0 | 105.6 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 99 | 86707 | NC | NC | |
| 53 n-Heptane | 57 | 3.624 | 3.624 | 0.000 | 89 | 21225 | 20.0 | 21.0 | |
| 54 Benzene | 78 | 3.649 | 3.649 | 0.000 | 94 | 196634 | 20.0 | 19.4 | |
| 55 Propionitrile | 54 | 3.682 | 3.682 | 0.000 | 96 | 68273 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 89 | 215382 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 97 | 125941 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 120926 | 50.0 | 53.4 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 97 | 57746 | 20.0 | 20.3 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 99 | 39438 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 93 | 28710 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 428138 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.077 | 4.077 | 0.000 | 99 | 72440 | 20.0 | 18.3 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 94 | 65239 | 20.0 | 21.3 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 96 | 46566 | 20.0 | 19.5 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.414 | 0.000 | 98 | 96545 | NC | NC | |
| 68 n-Butanol | 56 | 4.537 | 4.537 | 0.000 | 87 | 27384 | 500.0 | 483.2 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 96 | 28615 | 20.0 | 21.1 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 91 | 44855 | 20.0 | 19.7 | |
| 71 Ethyl acrylate | 55 | 4.727 | 4.727 | 0.000 | 99 | 55903 | 20.0 | 20.2 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 52315 | 20.0 | 22.4 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 96 | 26241 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.932 | 4.932 | 0.000 | 85 | 29770 | 40.0 | 43.2 | |
| 74 1,4-Dioxane | 88 | 4.957 | 4.957 | 0.000 | 88 | 13108 | 400.0 | 395.8 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 96 | 57601 | 20.0 | 18.6 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 96 | 23188 | 20.0 | 19.1 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 70174 | 20.0 | 19.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 449643 | 50.0 | 48.4 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 209270 | 20.0 | 19.2 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 99 | 62605 | 400.0 | 440.3 | |
| 81 2-Nitropropane | 41 | 5.953 | 5.953 | 0.000 | 98 | 15545 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 97 | 53122 | 20.0 | 21.1 | |

| 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 | 6.159 | 6.159 | 0.000 | 94 | 202902 | 100.0 | 110.7 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.183 | 6.183 | 0.000 | 99 | 63236 | 20.0 | 19.8 | |
| 85 1,1,2-Trichloroethane | 83 | 6.373 | 6.373 | 0.000 | 96 | 36179 | 20.0 | 18.4 | |
| 86 Ethyl methacrylate | 69 | 6.438 | 6.438 | 0.000 | 87 | 57853 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 37549 | 20.0 | 21.6 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 74648 | 20.0 | 18.4 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 98 | 43813 | 20.0 | 19.1 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 98 | 58129 | 20.0 | 17.9 | |
| 91 2-Hexanone | 43 | 7.245 | 7.245 | 0.000 | 94 | 142809 | 100.0 | 112.9 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 85 | 365648 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 139843 | 20.0 | 19.6 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 97 | 75615 | 20.0 | 20.6 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 94 | 39995 | 20.0 | 20.8 | |
| 96 m-Xylene & p-Xylene | 106 | 7.854 | 7.854 | 0.000 | 95 | 92365 | 20.0 | 21.2 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 86880 | 20.0 | 21.3 | |
| 98 Bromoform | 173 | 8.521 | 8.521 | 0.000 | 96 | 20811 | 20.0 | 21.2 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 97 | 147767 | 20.0 | 21.7 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 97 | 31770 | 20.0 | 19.8 | |
| 101 Isopropylbenzene | 105 | 8.949 | 8.949 | 0.000 | 95 | 222204 | 20.0 | 21.8 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 93 | 67141 | 20.0 | 18.4 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 93 | 151251 | 50.0 | 55.2 | |
| 104 Bromobenzene | 156 | 9.451 | 9.451 | 0.000 | 95 | 60771 | 20.0 | 19.9 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 100 | 247681 | 20.0 | 19.1 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.730 | 9.730 | 0.000 | 98 | 55802 | 20.0 | 17.5 | |
| 107 2-Chlorotoluene | 91 | 9.771 | 9.771 | 0.000 | 96 | 178420 | 20.0 | 19.6 | |
| 108 4-Ethyltoluene | 105 | 9.780 | 9.780 | 0.000 | 98 | 219442 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 97 | 17656 | 20.0 | 18.3 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 179767 | 20.0 | 20.5 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.002 | 10.002 | 0.000 | 84 | 12037 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.043 | 10.043 | 0.000 | 97 | 166788 | 20.0 | 19.8 | |
| 113 tert-Butylbenzene | 119 | 10.422 | 10.422 | 0.000 | 96 | 147915 | 20.0 | 21.1 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 90 | 55832 | 20.0 | 19.6 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.545 | 10.545 | 0.000 | 97 | 189737 | 20.0 | 20.9 | |
| 116 sec-Butylbenzene | 105 | 10.710 | 10.710 | 0.000 | 99 | 209326 | 20.0 | 20.1 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 97 | 114220 | 20.0 | 20.3 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 177762 | 20.0 | 20.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 202232 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.138 | 11.138 | 0.000 | 96 | 116160 | 20.0 | 19.5 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 193852 | 20.0 | 19.7 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 95 | 200912 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 96 | 17289 | 20.0 | 20.6 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 82 | 93258 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.566 | 11.566 | 0.000 | 98 | 79340 | 20.0 | 18.9 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 98 | 112329 | 20.0 | 20.3 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 159316 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 95 | 10680 | 20.0 | 21.8 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 97 | 74372 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 66486 | 20.0 | 20.9 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 63 | 21588 | 20.0 | 21.2 | |
| 132 Naphthalene | 128 | 13.105 | 13.105 | 0.000 | 100 | 175300 | 20.0 | 24.4 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 95 | 62548 | 20.0 | 21.7 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 42.2 | |

| 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 | 39.6 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 42.5 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 101.7 | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00076 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00253 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00075 | Amount Added: | 4.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 03-Apr-2018 14:13:30 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83094.D

Injection Date: 03-Apr-2018 11:05:30 Instrument ID: CVOAMS5 Operator ID:

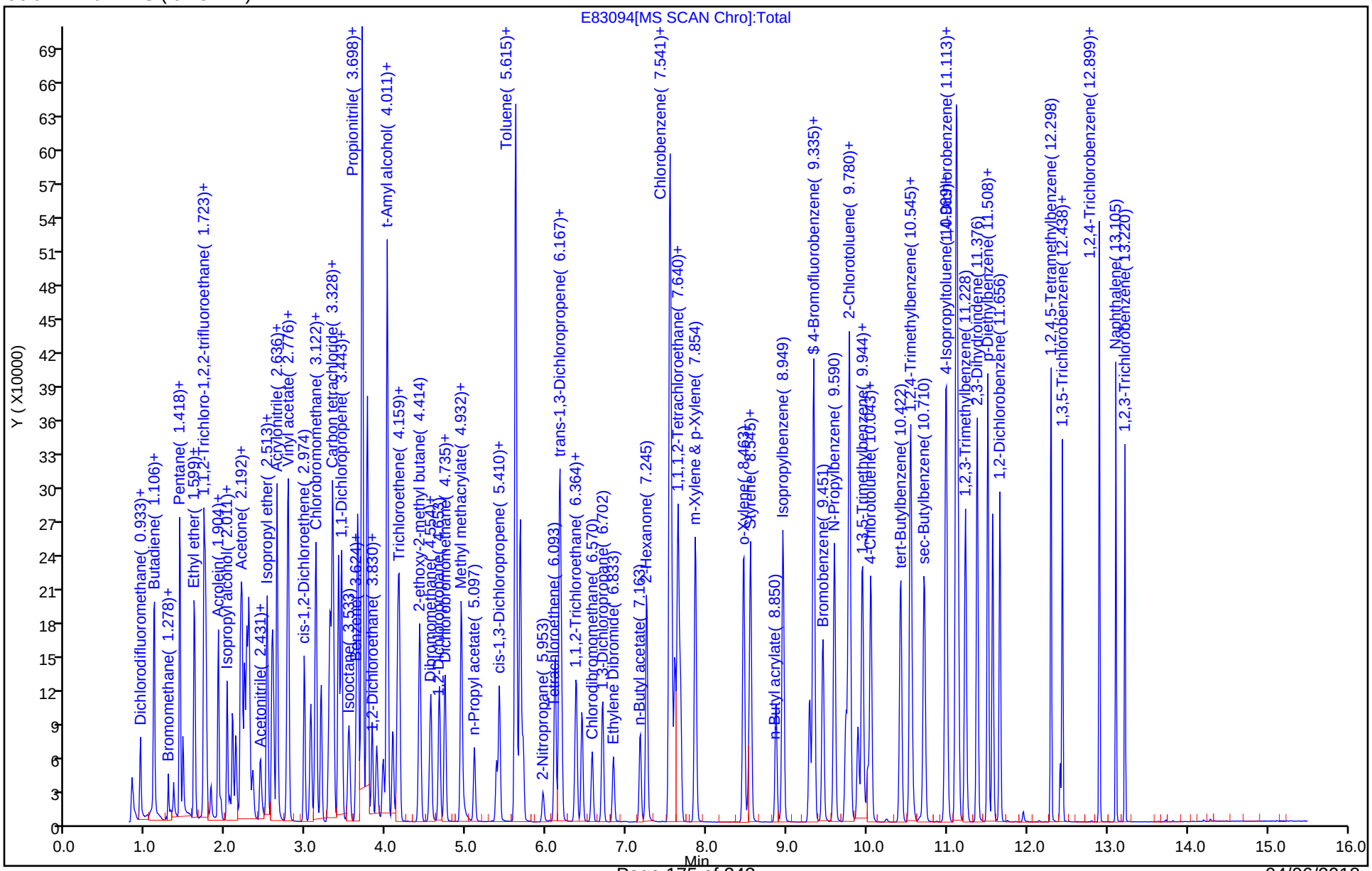
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

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

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

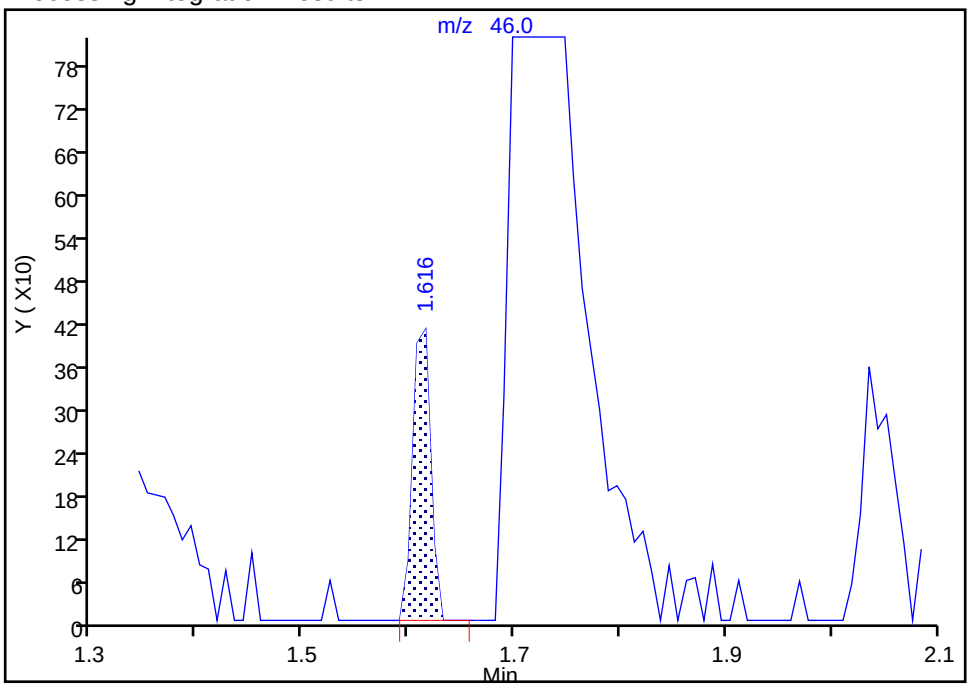
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83094.D
Injection Date: 03-Apr-2018 11:05:30 Instrument ID: CVOAMS5
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 12 Ethanol, CAS: 64-17-5

Signal: 1

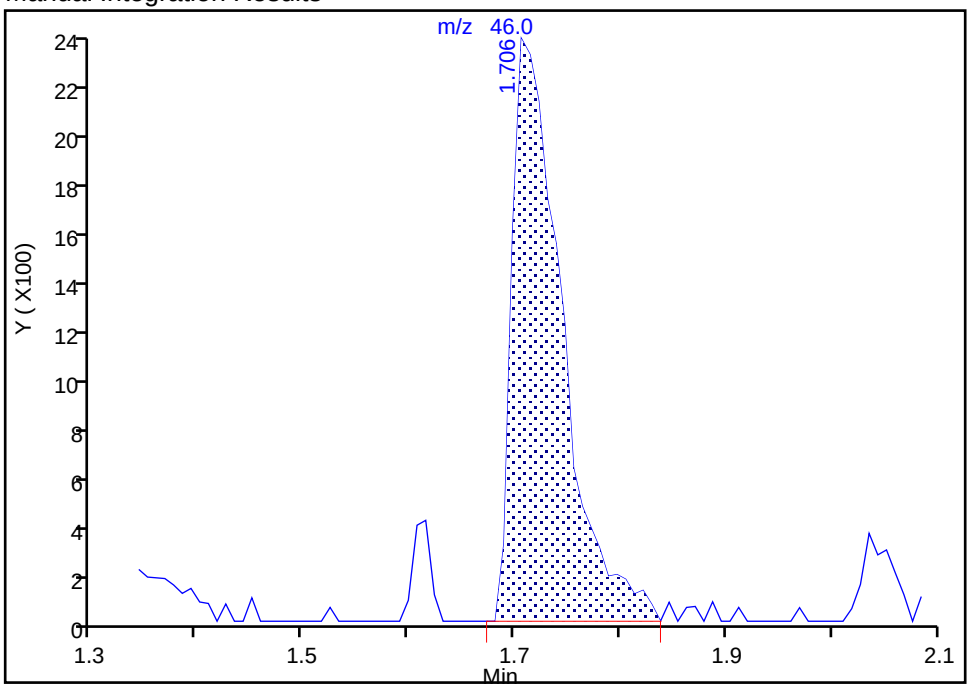
Processing Integration Results

RT: 1.62
Area: 489
Amount: 54.344709
Amount Units: ug/l




Manual Integration Results

RT: 1.71
Area: 7759
Amount: 862.2916
Amount Units: ug/l




Reviewer: parekhv, 03-Apr-2018 12:53:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID: CCVIS 460-508329/3 Calibration Date: 04/04/2018 09:43

Instrument ID: CVOAMS5 Calib Start Date: 03/17/2018 04:53

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 03/17/2018 12:52

Lab File ID: E83145.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 | 0.2925 | 0.2607 | | 17.8 | 20.0 | -10.9 | 50.0 |
| Vinyl chloride | Ave | 0.2958 | 0.2759 | | 18.7 | 20.0 | -6.7 | 96.0 |
| Butadiene | Ave | 0.2598 | 0.2349 | | 18.1 | 20.0 | -9.6 | 50.0 |
| Chloromethane | Ave | 0.4007 | 0.3436 | 0.1000 | 17.2 | 20.0 | -14.2 | 104.0 |
| Bromomethane | Ave | 4.549 | 4.153 | | 18.3 | 20.0 | -8.7 | 86.0 |
| Chloroethane | Ave | 3.632 | 4.282 | | 23.6 | 20.0 | 17.9 | 62.0 |
| n-Pentane | Ave | 0.2319 | 0.2748 | | 47.4 | 40.0 | 18.5 | 50.0 |
| Trichlorofluoromethane | Ave | 0.2809 | 0.3350 | | 23.8 | 20.0 | 19.2 | 52.0 |
| Isoprene | Ave | 0.2987 | 0.2898 | | 19.4 | 20.0 | -3.0 | 50.0 |
| Ethyl ether | Ave | 0.1963 | 0.1929 | | 19.7 | 20.0 | -1.7 | 50.0 |
| Ethanol | LinF | | 0.0555 | | 920 | 800 | 15.0 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2144 | 0.2106 | | 19.6 | 20.0 | -1.8 | 49.5 |
| Carbon disulfide | Ave | 0.6922 | 0.6038 | | 17.4 | 20.0 | -12.8 | 50.0 |
| Freon TF | Ave | 0.1990 | 0.2031 | | 20.4 | 20.0 | 2.0 | 50.0 |
| Iodomethane | Ave | 0.1569 | 0.1685 | | 21.5 | 20.0 | 7.4 | 50.0 |
| Acrolein | Ave | 1.456 | 1.467 | | 40.3 | 40.0 | 0.8 | 99.0 |
| Allyl chloride | Ave | 0.1186 | 0.1255 | | 21.2 | 20.0 | 5.8 | 50.0 |
| Isopropanol | Ave | 0.7078 | 0.6326 | | 179 | 200 | -10.6 | 50.0 |
| Methylene Chloride | Ave | 0.2748 | 0.2590 | | 18.8 | 20.0 | -5.8 | 39.5 |
| Acetone | Ave | 0.2602 | 0.2112 | | 81.1 | 100 | -18.9 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2657 | 0.2534 | | 19.1 | 20.0 | -4.6 | 30.5 |
| Methyl acetate | Ave | 2.323 | 1.838 | | 79.1 | 100 | -20.9 | 50.0 |
| Hexane | Ave | 2.588 | 2.147 | | 16.6 | 20.0 | -17.0 | 50.0 |
| MTBE | Ave | 0.7356 | 0.7402 | | 20.1 | 20.0 | 0.6 | 50.0 |
| TBA | Ave | 1.181 | 1.050 | | 178 | 200 | -11.1 | 50.0 |
| Acetonitrile | Ave | 1.779 | 1.487 | | 167 | 200 | -16.4 | 50.0 |
| DIPE | Ave | 0.8036 | 0.7803 | | 19.4 | 20.0 | -2.9 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4582 | 0.4438 | 0.1000 | 19.4 | 20.0 | -3.1 | 27.5 |
| Acrylonitrile | Ave | 0.1118 | 0.1031 | | 184 | 200 | -7.8 | 50.0 |
| Vinyl acetate | Ave | 0.4254 | 0.5315 | | 50.0 | 40.0 | 24.9 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2999 | 0.3048 | | 20.3 | 20.0 | 1.6 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3042 | 0.3237 | | 21.3 | 20.0 | 6.4 | 50.0 |
| Bromochloromethane | Ave | 0.1356 | 0.1432 | | 21.1 | 20.0 | 5.6 | 50.0 |
| Cyclohexane | Ave | 0.3718 | 0.3779 | | 20.3 | 20.0 | 1.6 | 50.0 |
| Chloroform | Ave | 0.4379 | 0.4456 | | 20.4 | 20.0 | 1.8 | 32.5 |
| Carbon tetrachloride | Ave | 0.2164 | 0.2432 | | 22.5 | 20.0 | 12.4 | 27.0 |
| Ethyl acetate | Ave | 0.2976 | 0.3213 | | 43.2 | 40.0 | 8.0 | 50.0 |
| Tetrahydrofuran | Ave | 0.9250 | 0.9281 | | 40.1 | 40.0 | 0.3 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 0.3282 | 0.3544 | | 21.6 | 20.0 | 8.0 | 25.0 |
| 1,1-Dichloropropene | Ave | 0.3452 | 0.3471 | | 20.1 | 20.0 | 0.5 | 50.0 |
| 2-Butanone | Ave | 0.3321 | 0.3336 | | 100 | 100 | 0.4 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID: CCVIS 460-508329/3 Calibration Date: 04/04/2018 09:43

Instrument ID: CVOAMS5 Calib Start Date: 03/17/2018 04:53

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 03/17/2018 12:52

Lab File ID: E83145.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 |
|---|---|---|---|---|---|---|---|---|
| n-Heptane | Ave | 0.1183 | 0.1142 | | 19.3 | 20.0 | -3.4 | 50.0 |
| Benzene | Ave | 1.384 | 1.313 | | 19.0 | 20.0 | -5.1 | 36.0 |
| 1,2-Dichloroethane | Ave | 0.3321 | 0.3319 | | 20.0 | 20.0 | -0.0 | 32.0 |
| Isopropyl acetate | Ave | 0.4613 | 0.4290 | | 18.6 | 20.0 | -7.0 | 50.0 |
| Methylcyclohexane | Ave | 0.3580 | 0.3534 | | 19.7 | 20.0 | -1.3 | 50.0 |
| Trichloroethene | Ave | 0.2786 | 0.2724 | | 19.6 | 20.0 | -2.2 | 33.5 |
| n-Butanol | Ave | 0.3041 | 0.2851 | | 469 | 500 | -6.2 | 50.0 |
| Dibromomethane | Ave | 0.1584 | 0.1618 | | 20.4 | 20.0 | 2.2 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2661 | 0.2613 | | 19.6 | 20.0 | -1.8 | 66.0 |
| Ethyl acrylate | Ave | 0.3232 | 0.3167 | | 19.6 | 20.0 | -2.0 | 50.0 |
| Bromodichloromethane | Ave | 0.2727 | 0.2882 | | 21.1 | 20.0 | 5.7 | 34.5 |
| Methyl methacrylate | Ave | 0.0805 | 0.0839 | | 41.7 | 40.0 | 4.3 | 50.0 |
| 1,4-Dioxane | Ave | 1.262 | 1.221 | | 387 | 400 | -3.3 | 50.0 |
| Propyl acetate | Ave | 0.3619 | 0.3285 | | 18.2 | 20.0 | -9.2 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1416 | 0.1340 | | 18.9 | 20.0 | -5.3 | 124.0 |
| cis-1,3-Dichloropropene | Ave | 0.4838 | 0.4646 | | 19.2 | 20.0 | -4.0 | 76.0 |
| Toluene | Ave | 1.489 | 1.406 | | 18.9 | 20.0 | -5.5 | 25.5 |
| Epichlorohydrin | Ave | 0.1575 | 0.1793 | | 455 | 400 | 13.8 | 50.0 |
| Tetrachloroethene | Ave | 0.3449 | 0.3450 | | 20.0 | 20.0 | 0.0 | 26.5 |
| 4-Methyl-2-pentanone | Ave | 2.031 | 2.212 | | 109 | 100 | 8.9 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.4366 | 0.4153 | | 19.0 | 20.0 | -4.9 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2692 | 0.2427 | | 18.0 | 20.0 | -9.8 | 29.0 |
| Dibromochloromethane | Ave | 0.2380 | 0.2330 | | 19.6 | 20.0 | -2.1 | 32.5 |
| 1,3-Dichloropropane | Ave | 0.5544 | 0.4920 | | 17.7 | 20.0 | -11.3 | 50.0 |
| 1,2-Dibromoethane | Ave | 0.3135 | 0.2937 | | 18.7 | 20.0 | -6.3 | 50.0 |
| Butyl acetate | Ave | 0.4428 | 0.3781 | | 17.1 | 20.0 | -14.6 | 50.0 |
| 2-Hexanone | Ave | 1.401 | 1.557 | | 111 | 100 | 11.1 | 50.0 |
| Chlorobenzene | Ave | 0.9733 | 0.9245 | 0.3000 | 19.0 | 20.0 | -5.0 | 34.0 |
| Ethylbenzene | Ave | 0.5021 | 0.4930 | | 19.6 | 20.0 | -1.8 | 41.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2629 | 0.2636 | | 20.1 | 20.0 | 0.3 | 50.0 |
| m-Xylene & p-Xylene | Ave | 0.5957 | 0.5937 | | 19.9 | 20.0 | -0.3 | 50.0 |
| o-Xylene | Ave | 0.5586 | 0.5569 | | 19.9 | 20.0 | -0.3 | 50.0 |
| Bromoform | Ave | 0.2428 | 0.2438 | 0.1000 | 20.1 | 20.0 | 0.4 | 29.0 |
| Styrene | Ave | 0.9313 | 0.9576 | | 20.6 | 20.0 | 2.8 | 50.0 |
| n-Butyl acrylate | Ave | 0.2198 | 0.2023 | | 18.4 | 20.0 | -8.0 | 50.0 |
| Isopropylbenzene | Ave | 1.392 | 1.419 | | 20.4 | 20.0 | 1.9 | 50.0 |
| Amyl acetate | Ave | 0.9009 | 0.8208 | | 18.2 | 20.0 | -8.9 | 50.0 |
| Bromobenzene | Ave | 0.7546 | 0.7301 | | 19.3 | 20.0 | -3.3 | 50.0 |
| N-Propylbenzene | Ave | 3.205 | 2.885 | | 18.0 | 20.0 | -10.0 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.7866 | 0.6675 | 0.3000 | 17.0 | 20.0 | -15.1 | 39.5 |
| 2-Chlorotoluene | Ave | 2.249 | 2.107 | | 18.7 | 20.0 | -6.3 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Lab Sample ID: CCVIS 460-508329/3 Calibration Date: 04/04/2018 09:43

Instrument ID: CVOAMS5 Calib Start Date: 03/17/2018 04:53

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 03/17/2018 12:52

Lab File ID: E83145.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 |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | Ave | 0.2390 | 0.2166 | | 18.1 | 20.0 | -9.4 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.165 | 2.074 | | 19.2 | 20.0 | -4.2 | 50.0 |
| 4-Chlorotoluene | Ave | 2.083 | 1.969 | | 18.9 | 20.0 | -5.5 | 50.0 |
| tert-Butylbenzene | Ave | 1.731 | 1.691 | | 19.5 | 20.0 | -2.3 | 50.0 |
| Butyl Methacrylate | Ave | 0.7038 | 0.6611 | | 18.8 | 20.0 | -6.1 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.249 | 2.210 | | 19.7 | 20.0 | -1.7 | 50.0 |
| sec-Butylbenzene | Ave | 2.571 | 2.382 | | 18.5 | 20.0 | -7.4 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.393 | 1.359 | | 19.5 | 20.0 | -2.4 | 27.0 |
| p-Isopropyltoluene | Ave | 2.099 | 2.031 | | 19.4 | 20.0 | -3.2 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.471 | 1.383 | | 18.8 | 20.0 | -6.0 | 37.0 |
| 1,2,3-Trimethylbenzene | Ave | 2.436 | 2.234 | | 18.3 | 20.0 | -8.3 | 50.0 |
| Benzyl chloride | Ave | 0.2076 | 0.2090 | | 20.1 | 20.0 | 0.7 | 50.0 |
| n-Butylbenzene | Ave | 1.036 | 0.8888 | | 17.2 | 20.0 | -14.2 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.366 | 1.324 | | 19.4 | 20.0 | -3.1 | 37.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1210 | 0.1233 | | 20.4 | 20.0 | 1.8 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.7861 | 0.7597 | | 19.3 | 20.0 | -3.4 | 50.0 |
| Hexachlorobutadiene | Ave | 0.2514 | 0.2376 | | 18.9 | 20.0 | -5.5 | 50.0 |
| Naphthalene | Ave | 1.779 | 2.031 | | 22.8 | 20.0 | 14.2 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.7134 | 0.7139 | | 20.0 | 20.0 | 0.0 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2191 | 0.2465 | | 56.3 | 50.0 | 12.5 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2645 | 0.2817 | | 53.3 | 50.0 | 6.5 | |
| Toluene-d8 (Surr) | Ave | 1.272 | 1.229 | | 48.3 | 50.0 | -3.4 | |
| Bromofluorobenzene | Ave | 0.3746 | 0.4130 | | 55.1 | 50.0 | 10.3 | |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83145.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Apr-2018 09:43:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0069809-003
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 04-Apr-2018 14:37:39 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: parekhv Date: 04-Apr-2018 14:22:25

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.925 | 0.925 | 0.000 | 86 | 13204 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 99 | 45345 | 20.0 | 17.8 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 99 | 47999 | 20.0 | 18.7 | |
| 5 Chloromethane | 50 | 1.106 | 1.106 | 0.000 | 77 | 59776 | 20.0 | 17.2 | |
| 4 Butadiene | 54 | 1.106 | 1.106 | 0.000 | 90 | 40870 | 20.0 | 18.1 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 98 | 16478 | 20.0 | 18.3 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 98 | 16989 | 20.0 | 23.6 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 95 | 10250 | 40.0 | 47.4 | |
| 9 Trichlorofluoromethane | 101 | 1.427 | 1.427 | 0.000 | 98 | 58272 | 20.0 | 23.8 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 62400 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 96 | 50419 | 20.0 | 19.4 | |
| 13 Ethyl ether | 59 | 1.608 | 1.608 | 0.000 | 95 | 33549 | 20.0 | 19.7 | |
| 12 Ethanol | 46 | 1.715 | 1.715 | 0.000 | 45 | 8812 | 800.0 | 919.9 | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 97 | 36627 | 20.0 | 19.6 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 83 | 42312 | NC | NC | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 99 | 105037 | 20.0 | 17.4 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.747 | 0.000 | 93 | 35323 | 20.0 | 20.4 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 29312 | 20.0 | 21.5 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 92229 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 96 | 11645 | 40.0 | 40.3 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 92 | 21833 | 20.0 | 21.2 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 25100 | 200.0 | 178.7 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 85 | 45050 | 20.0 | 18.8 | |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 88 | 19690 | 100.0 | 81.1 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 91 | 44082 | 20.0 | 19.1 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 98 | 36455 | 100.0 | 79.1 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 85 | 8520 | 20.0 | 16.6 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 96 | 128772 | 20.0 | 20.1 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 99 | 198393 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 99 | 41649 | 200.0 | 177.7 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.431 | 2.431 | 0.000 | 99 | 58983 | 200.0 | 167.1 | |
| 32 Isopropyl ether | 45 | 2.513 | 2.513 | 0.000 | 96 | 135747 | 20.0 | 19.4 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.579 | 2.579 | 0.000 | 89 | 41097 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 99 | 77206 | 20.0 | 19.4 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 96 | 179327 | 200.0 | 184.4 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 91 | 129187 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 19823 | 40.0 | 50.0 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 99 | 53019 | 20.0 | 20.3 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 98 | 56315 | 20.0 | 21.3 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 88 | 65736 | 20.0 | 20.3 | |
| 41 Chlorobromomethane | 128 | 3.122 | 3.122 | 0.000 | 88 | 24907 | 20.0 | 21.1 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 99 | 77514 | 20.0 | 20.4 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 97 | 42311 | 20.0 | 22.5 | |
| 45 Ethyl acetate | 70 | 3.295 | 3.295 | 0.000 | 99 | 11985 | 40.0 | 43.2 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 60 | 41476 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 91 | 34618 | 40.0 | 40.1 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 107211 | 50.0 | 56.3 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 96 | 61652 | 20.0 | 21.6 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 233114 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 79 | 60374 | 20.0 | 20.1 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 97 | 31107 | 100.0 | 100.4 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 100 | 79389 | NC | NC | |
| 53 n-Heptane | 57 | 3.632 | 3.632 | 0.000 | 86 | 19867 | 20.0 | 19.3 | |
| 54 Benzene | 78 | 3.649 | 3.649 | 0.000 | 94 | 195878 | 20.0 | 19.0 | |
| 55 Propionitrile | 54 | 3.690 | 3.690 | 0.000 | 98 | 68515 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 89 | 214760 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 97 | 125125 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 122514 | 50.0 | 53.3 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 98 | 57741 | 20.0 | 20.0 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 97 | 40692 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 92 | 29844 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 434904 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 99 | 74621 | 20.0 | 18.6 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 94 | 61469 | 20.0 | 19.7 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 96 | 47387 | 20.0 | 19.6 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.414 | 0.000 | 97 | 94621 | NC | NC | |
| 68 n-Butanol | 56 | 4.546 | 4.546 | 0.000 | 87 | 28285 | 500.0 | 468.8 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 95 | 28150 | 20.0 | 20.4 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 92 | 45451 | 20.0 | 19.6 | |
| 71 Ethyl acrylate | 55 | 4.727 | 4.727 | 0.000 | 99 | 55087 | 20.0 | 19.6 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 50129 | 20.0 | 21.1 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 47 | 27633 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.932 | 4.932 | 0.000 | 86 | 29205 | 40.0 | 41.7 | |
| 74 1,4-Dioxane | 88 | 4.957 | 4.957 | 0.000 | 91 | 13492 | 400.0 | 386.8 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 97 | 57142 | 20.0 | 18.2 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 95 | 23315 | 20.0 | 18.9 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 69309 | 20.0 | 19.2 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 458180 | 50.0 | 48.3 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 209784 | 20.0 | 18.9 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 98 | 66865 | 400.0 | 455.3 | |
| 81 2-Nitropropane | 41 | 5.953 | 5.953 | 0.000 | 97 | 15294 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 97 | 51467 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 83 4-Methyl-2-pentanone (MIBK | 43 | 6.167 | 6.167 | 0.000 | 94 | 206286 | 100.0 | 108.9 | |
| 84 trans-1,3-Dichloropropene | 75 | 6.183 | 6.183 | 0.000 | 98 | 61950 | 20.0 | 19.0 | |
| 85 1,1,2-Trichloroethane | 83 | 6.373 | 6.373 | 0.000 | 96 | 36205 | 20.0 | 18.0 | |
| 86 Ethyl methacrylate | 69 | 6.438 | 6.438 | 0.000 | 88 | 55667 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 34757 | 20.0 | 19.6 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 73385 | 20.0 | 17.7 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 98 | 43810 | 20.0 | 18.7 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 97 | 56399 | 20.0 | 17.1 | |
| 91 2-Hexanone | 43 | 7.245 | 7.245 | 0.000 | 95 | 145213 | 100.0 | 111.1 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 372917 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 137897 | 20.0 | 19.0 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 97 | 73534 | 20.0 | 19.6 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 95 | 39318 | 20.0 | 20.1 | |
| 96 m-Xylene & p-Xylene | 106 | 7.854 | 7.854 | 0.000 | 96 | 88564 | 20.0 | 19.9 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 83072 | 20.0 | 19.9 | |
| 98 Bromoform | 173 | 8.521 | 8.521 | 0.000 | 95 | 19972 | 20.0 | 20.1 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 98 | 142845 | 20.0 | 20.6 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 97 | 30175 | 20.0 | 18.4 | |
| 101 Isopropylbenzene | 105 | 8.948 | 8.948 | 0.000 | 95 | 211719 | 20.0 | 20.4 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 93 | 67236 | 20.0 | 18.2 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 0 | 154027 | 50.0 | 55.1 | |
| 104 Bromobenzene | 156 | 9.450 | 9.450 | 0.000 | 95 | 59804 | 20.0 | 19.3 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 100 | 236354 | 20.0 | 18.0 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.739 | 9.739 | 0.000 | 98 | 54678 | 20.0 | 17.0 | |
| 107 2-Chlorotoluene | 91 | 9.771 | 9.771 | 0.000 | 96 | 172587 | 20.0 | 18.7 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 98 | 210496 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 97 | 17746 | 20.0 | 18.1 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 169896 | 20.0 | 19.2 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.010 | 0.000 | 85 | 13146 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.043 | 10.043 | 0.000 | 97 | 161297 | 20.0 | 18.9 | |
| 113 tert-Butylbenzene | 119 | 10.422 | 10.422 | 0.000 | 96 | 138509 | 20.0 | 19.5 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 91 | 54154 | 20.0 | 18.8 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.545 | 10.545 | 0.000 | 97 | 181059 | 20.0 | 19.7 | |
| 116 sec-Butylbenzene | 105 | 10.718 | 10.718 | 0.000 | 99 | 195091 | 20.0 | 18.5 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 97 | 111342 | 20.0 | 19.5 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 166405 | 20.0 | 19.4 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 204783 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.138 | 11.138 | 0.000 | 96 | 113264 | 20.0 | 18.8 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 183020 | 20.0 | 18.3 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 95 | 192810 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 97 | 17123 | 20.0 | 20.1 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 79 | 86903 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.566 | 11.566 | 0.000 | 98 | 72803 | 20.0 | 17.2 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 98 | 108453 | 20.0 | 19.4 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 144076 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 92 | 10097 | 20.0 | 20.4 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 98 | 69072 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 62225 | 20.0 | 19.3 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 61 | 19462 | 20.0 | 18.9 | |
| 132 Naphthalene | 128 | 13.104 | 13.104 | 0.000 | 99 | 166385 | 20.0 | 22.8 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 58475 | 20.0 | 20.0 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 39.4 | |

| 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 | 38.2 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 39.9 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 97.4 | |

## QC Flag Legend

Processing Flags

NC - Not Calibrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00076 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00254 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00075 | Amount Added: | 4.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

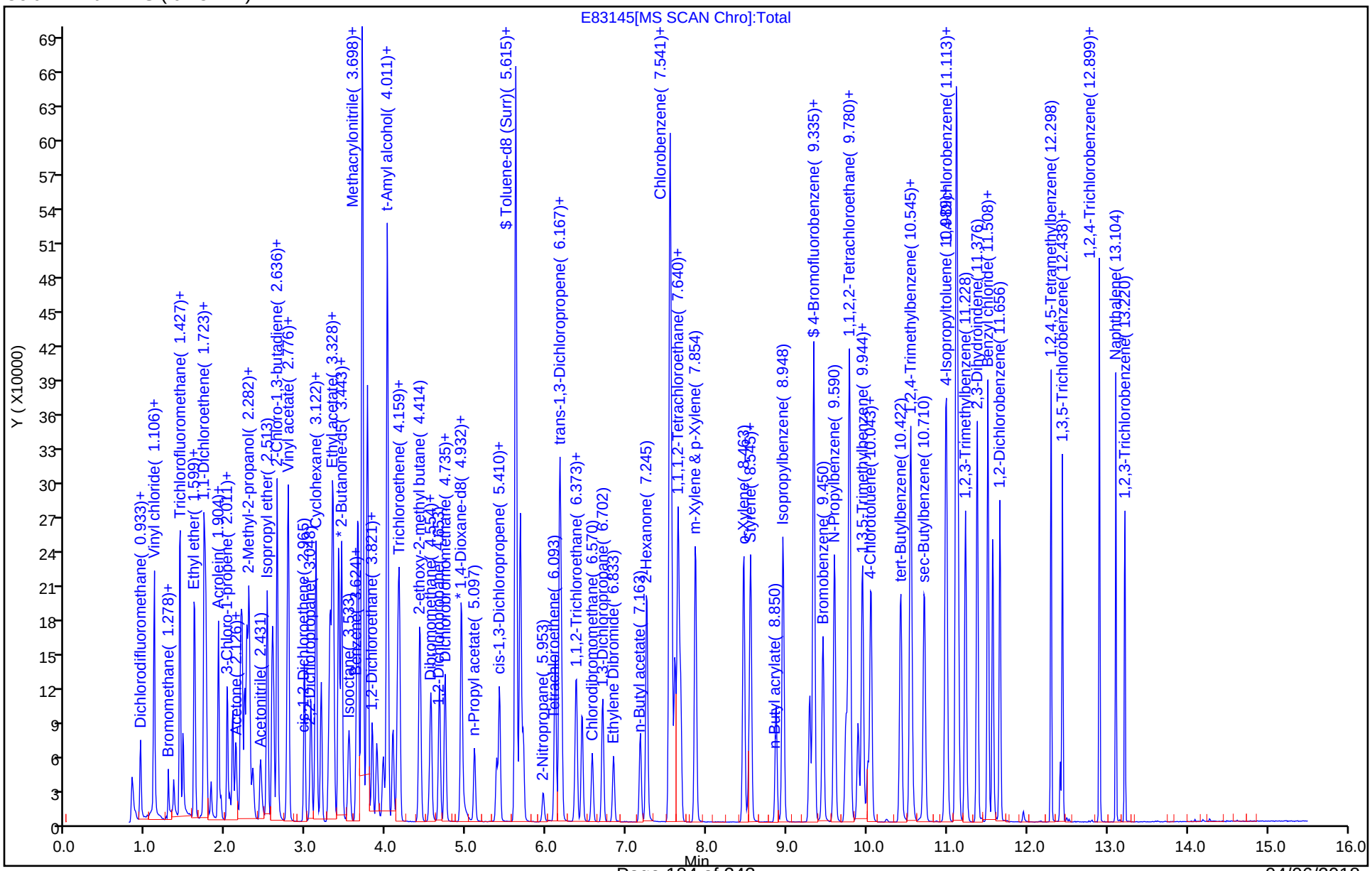
Report Date: 04-Apr-2018 14:37:43 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83145.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 09:43:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | CCVIS | | | Worklist Smp#: | 3 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 2 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82367.D | | | | |
| Lims ID: | BFB | | | | |
| Client ID: | | | | | |
| Sample Type: | BFB | | | | |
| Inject. Date: | 17-Mar-2018 04:11:30 | ALS Bottle#: | 99 | Worklist Smp#: | 1 |
| Injection Vol: | 5.0 mL | Dil. Factor: | 1.0000 | | |
| Sample Info: | BFB | | | | |
| Misc. Info.: | 460-0068911-001 | | | | |
| Operator ID: | | Instrument ID: | CVOAMS5 | | |
| Method: | \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\8260W_5.m | | | | |
| Limit Group: | VOA 624 ICAL | | | | |
| Last Update: | 19-Mar-2018 06:41:17 | Calib Date: | 17-Mar-2018 13:19:30 | | |
| Integrator: | RTE | ID Type: | Deconvolution ID | | |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration | | |
| Last ICal File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82381.D | | | | |
| Column 1 : | Rtx-VMS ( 0.18 mm) | | Det: MS SCAN | | |
| Process Host: | XAWRK024 | | | | |
| First Level Reviewer: tupayachia | | Date: | 17-Mar-2018 04:19:23 | | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 139 BFB | 95 | 2.636 | 2.636 | 0.000 | 95 | 26997 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

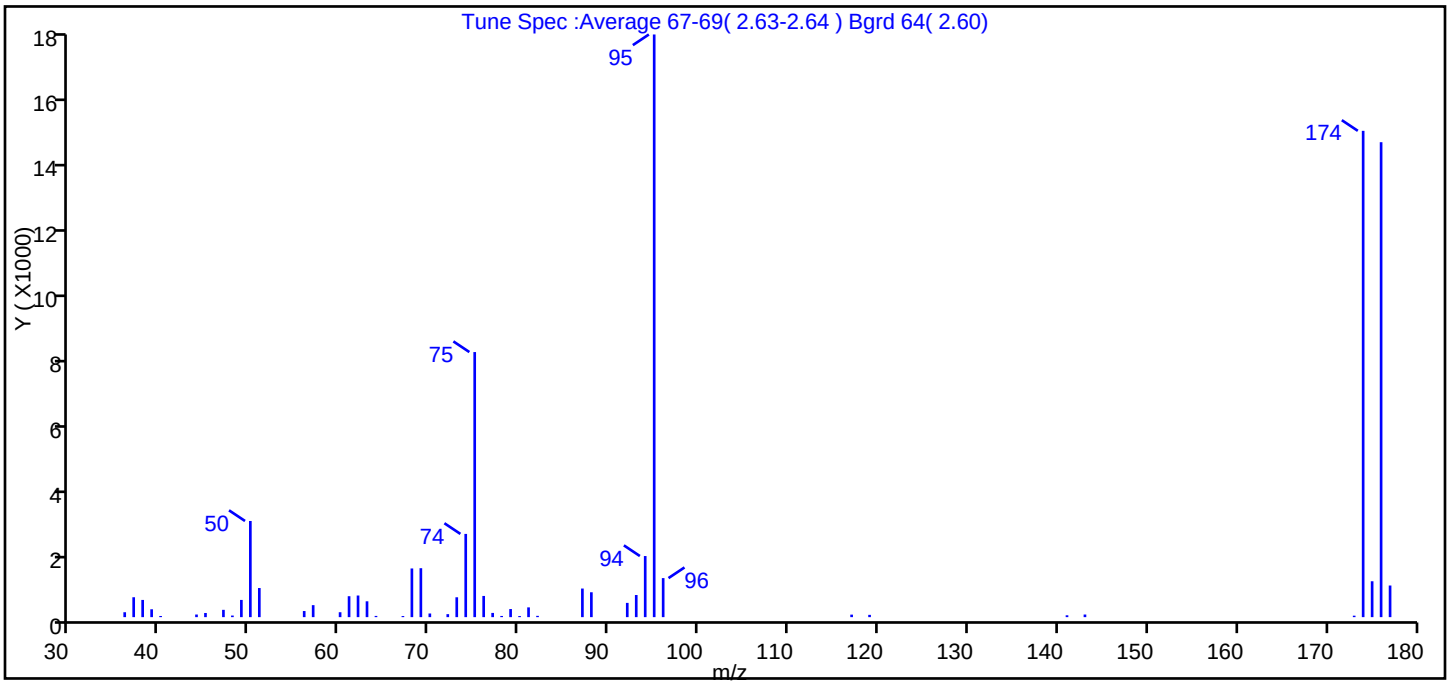
BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82367.D
Injection Date: 17-Mar-2018 04:11:30 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 624 ICAL
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 | 16.5 |
| 75 | 30 to 60% of m/z 95 | 45.5 |
| 96 | 5 to 9% of m/z 95 | 6.7 |
| 173 | Less than 2% of m/z 174 | 0.3 (0.3) |
| 174 | 50 to 120% of m/z 95 | 83.5 |
| 175 | 5 to 9% of m/z 174 | 6.2 (7.4) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 81.5 (97.7) |
| 177 | 5 to 9% of m/z 176 | 5.4 (6.7) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82367.D\8260W_5.rslt\spectra.d
Injection Date: 17-Mar-2018 04:11:30
Spectrum: Tune Spec :Average 67-69( 2.63-2.64 ) Bgrd 64( 2.60)
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 | 148 | 57.00 | 361 | 75.00 | 7978 | 95.00 | 17536 |
| 37.00 | 599 | 60.00 | 148 | 76.00 | 638 | 96.00 | 1175 |
| 38.00 | 518 | 61.00 | 630 | 77.00 | 127 | 117.00 | 76 |
| 39.00 | 237 | 62.00 | 651 | 78.00 | 36 | 119.00 | 69 |
| 40.00 | 35 | 63.00 | 477 | 79.00 | 244 | 141.00 | 56 |
| 44.00 | 79 | 64.00 | 37 | 80.00 | 33 | 143.00 | 79 |
| 45.00 | 125 | 67.00 | 33 | 81.00 | 294 | 173.00 | 44 |
| 47.00 | 220 | 68.00 | 1465 | 82.00 | 39 | 174.00 | 14636 |
| 48.00 | 48 | 69.00 | 1473 | 87.00 | 861 | 175.00 | 1080 |
| 49.00 | 518 | 70.00 | 110 | 88.00 | 749 | 176.00 | 14294 |
| 50.00 | 2894 | 72.00 | 90 | 92.00 | 429 | 177.00 | 952 |
| 51.00 | 876 | 73.00 | 598 | 93.00 | 666 | | |
| 56.00 | 184 | 74.00 | 2505 | 94.00 | 1839 | | |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83092.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 03-Apr-2018 10:23:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0069754-001
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 03-Apr-2018 10:34:08 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: parekhv Date: 03-Apr-2018 10:34:08

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 139 BFB | 95 | 2.619 | 2.619 | 0.000 | 97 | 38595 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

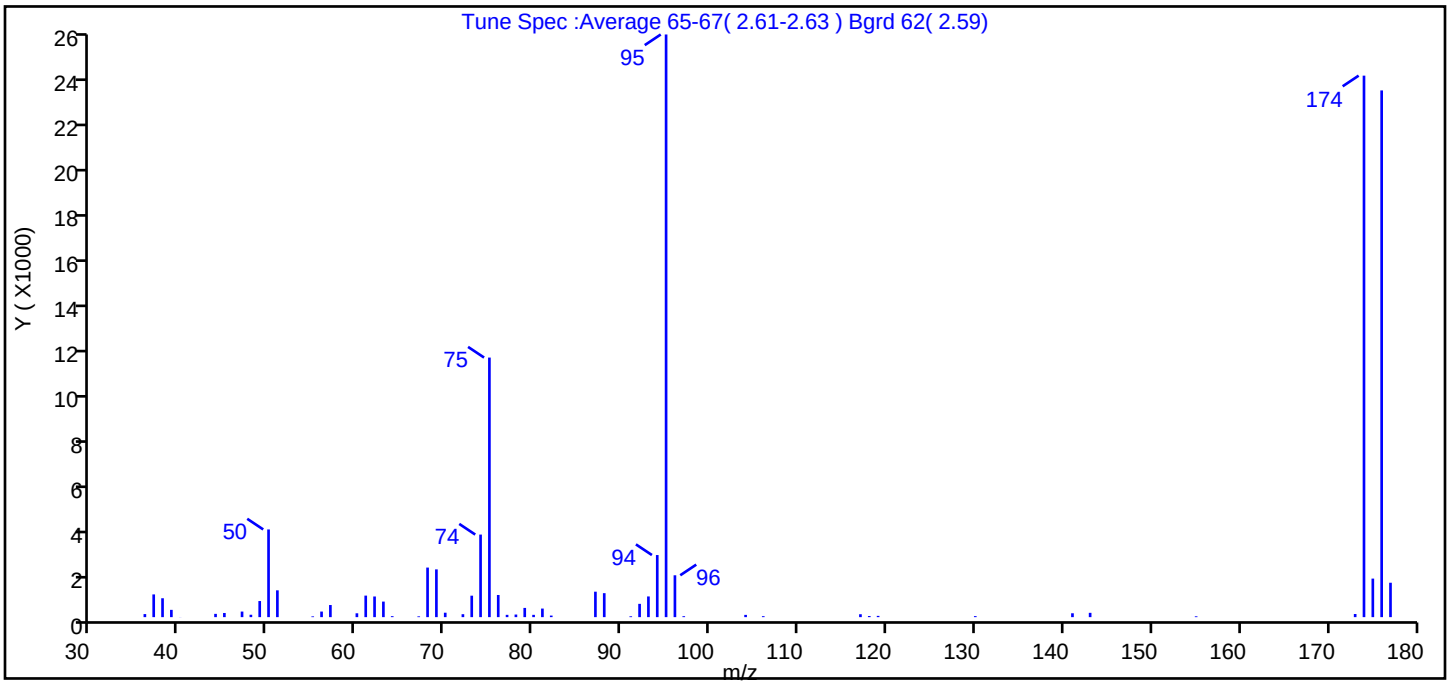
BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83092.D
Injection Date: 03-Apr-2018 10:23:30 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 624 ICAL
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 | 15.1 |
| 75 | 30 to 60% of m/z 95 | 44.6 |
| 96 | 5 to 9% of m/z 95 | 7.2 |
| 173 | Less than 2% of m/z 174 | 0.5 (0.6) |
| 174 | 50 to 120% of m/z 95 | 92.9 |
| 175 | 5 to 9% of m/z 174 | 6.6 (7.1) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 90.4 (97.3) |
| 177 | 5 to 9% of m/z 176 | 5.9 (6.5) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83092.D\8260W_5.rslt\spectra.d
Injection Date: 03-Apr-2018 10:23:30
Spectrum: Tune Spec :Average 65-67( 2.61-2.63 ) Bgrd 62( 2.59)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 58

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 133 | 60.00 | 167 | 78.00 | 113 | 106.00 | 41 |
| 37.00 | 985 | 61.00 | 933 | 79.00 | 400 | 117.00 | 126 |
| 38.00 | 819 | 62.00 | 895 | 80.00 | 100 | 118.00 | 48 |
| 39.00 | 316 | 63.00 | 674 | 81.00 | 372 | 119.00 | 55 |
| 40.00 | 4 | 64.00 | 42 | 82.00 | 68 | 130.00 | 44 |
| 44.00 | 142 | 67.00 | 34 | 87.00 | 1103 | 141.00 | 168 |
| 45.00 | 180 | 68.00 | 2148 | 88.00 | 1039 | 143.00 | 187 |
| 47.00 | 242 | 69.00 | 2070 | 91.00 | 36 | 155.00 | 36 |
| 48.00 | 104 | 70.00 | 192 | 92.00 | 576 | 173.00 | 136 |
| 49.00 | 698 | 72.00 | 128 | 93.00 | 897 | 174.00 | 23464 |
| 50.00 | 3800 | 73.00 | 930 | 94.00 | 2691 | 175.00 | 1670 |
| 51.00 | 1162 | 74.00 | 3578 | 95.00 | 25248 | 176.00 | 22824 |
| 55.00 | 33 | 75.00 | 11248 | 96.00 | 1814 | 177.00 | 1491 |
| 56.00 | 242 | 76.00 | 960 | 97.00 | 40 | | |
| 57.00 | 525 | 77.00 | 100 | 104.00 | 98 | | |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83143.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Apr-2018 08:56:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0069809-001
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 04-Apr-2018 12:49:56 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: parekhv Date: 04-Apr-2018 12:49:56

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 139 BFB | 95 | 2.611 | 2.611 | 0.000 | 0 | 43103 | NR | NR | a |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

## Reagents:

BFB_00016 Amount Added: 1.00 Units: uL

Manual Integration/User Assign Peak Report

TestAmerica Edison

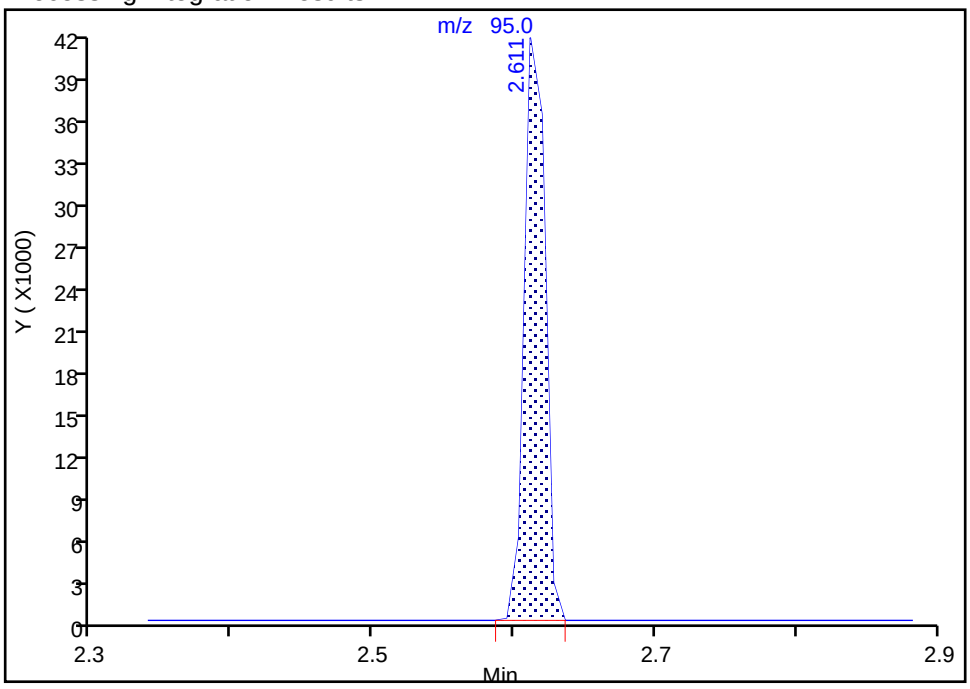
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83143.D | | | | |
| Injection Date: | 04-Apr-2018 08:56:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | BFB | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 99 | Worklist Smp#: | 1 |
| Injection Vol: | 5.0 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

## $ 139 BFB, CAS: 460-00-4

Signal: 1

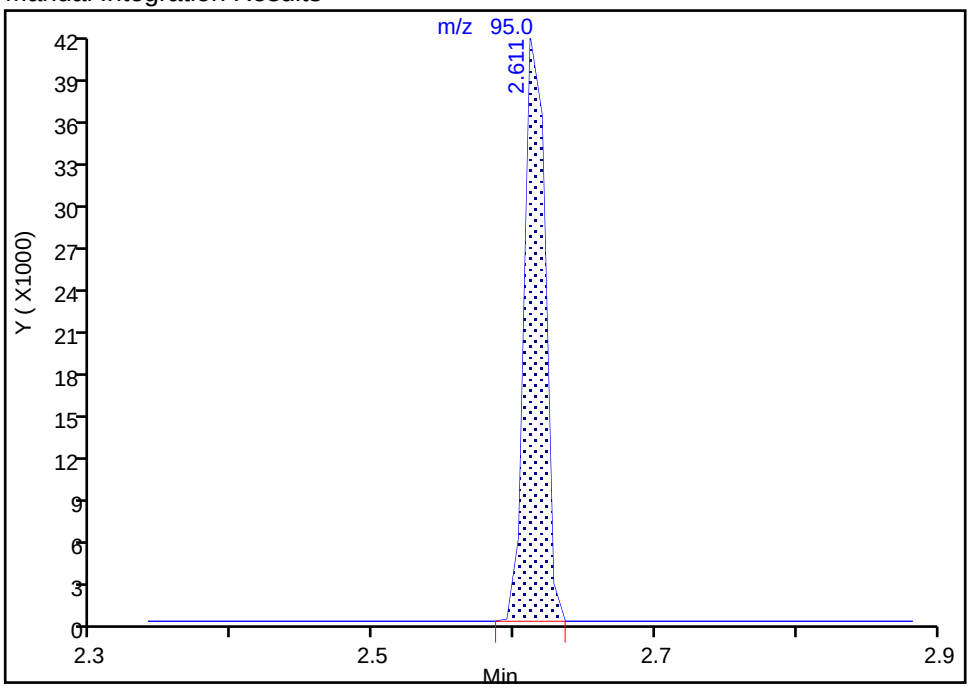
Processing Integration Results

RT: 2.61
Area: 43103
Amount: 0
Amount Units: ug/l




Manual Integration Results

RT: 2.61
Area: 43103
Amount: 0
Amount Units: ug/l




Reviewer: martineze, 04-Apr-2018 09:12:57

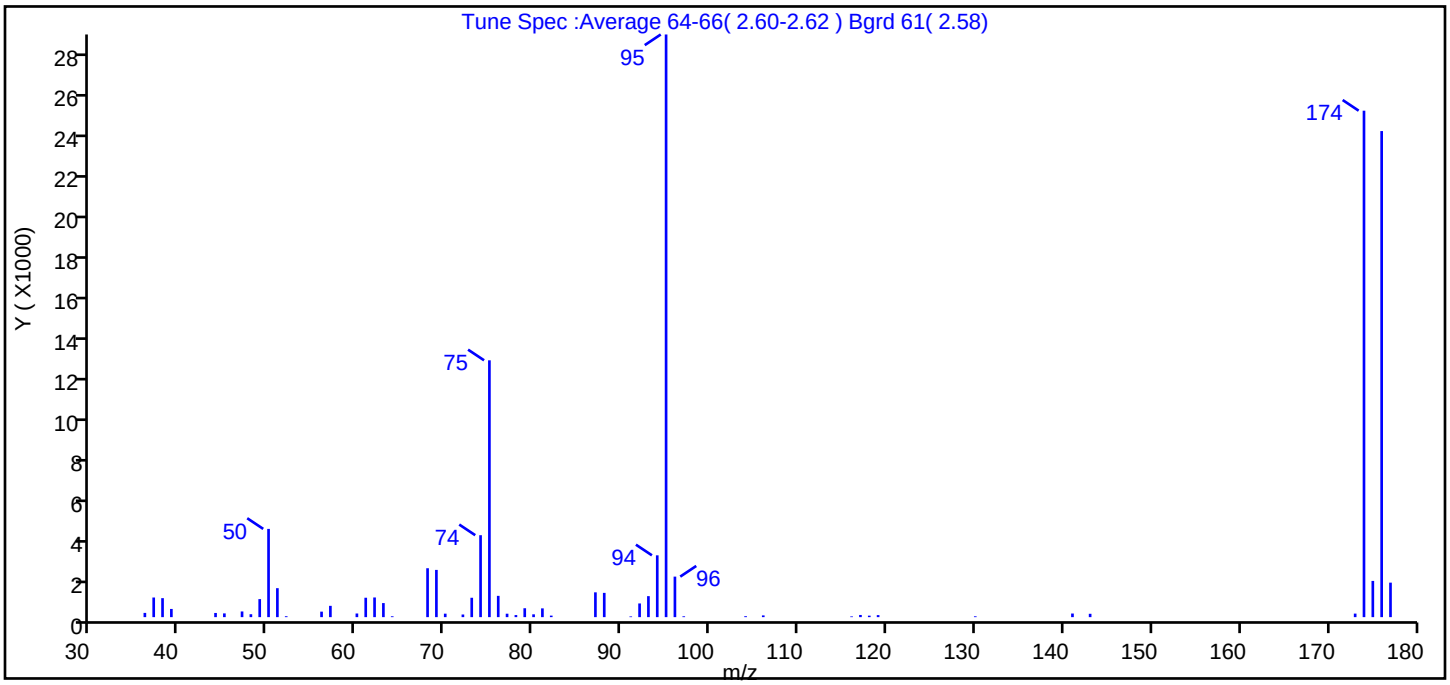
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83143.D
Injection Date: 04-Apr-2018 08:56:30 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 624 ICAL
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 | 15.1 |
| 75 | 30 to 60% of m/z 95 | 44.1 |
| 96 | 5 to 9% of m/z 95 | 7.0 |
| 173 | Less than 2% of m/z 174 | 0.6 (0.7) |
| 174 | 50 to 120% of m/z 95 | 86.9 |
| 175 | 5 to 9% of m/z 174 | 6.2 (7.2) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 83.4 (96.0) |
| 177 | 5 to 9% of m/z 176 | 5.9 (7.1) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83143.D\8260W_5.rslt\spectra.d
Injection Date: 04-Apr-2018 08:56:30
Spectrum: Tune Spec :Average 64-66( 2.60-2.62 ) Bgrd 61( 2.58)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 56

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 205 | 60.00 | 176 | 78.00 | 100 | 104.00 | 45 |
| 37.00 | 948 | 61.00 | 937 | 79.00 | 430 | 106.00 | 84 |
| 38.00 | 917 | 62.00 | 950 | 80.00 | 136 | 116.00 | 35 |
| 39.00 | 396 | 63.00 | 679 | 81.00 | 424 | 117.00 | 105 |
| 44.00 | 202 | 64.00 | 41 | 82.00 | 74 | 118.00 | 72 |
| 45.00 | 181 | 68.00 | 2362 | 87.00 | 1198 | 119.00 | 98 |
| 47.00 | 275 | 69.00 | 2281 | 88.00 | 1172 | 130.00 | 40 |
| 48.00 | 141 | 70.00 | 168 | 91.00 | 34 | 141.00 | 175 |
| 49.00 | 871 | 72.00 | 128 | 92.00 | 661 | 143.00 | 162 |
| 50.00 | 4261 | 73.00 | 936 | 93.00 | 1014 | 173.00 | 171 |
| 51.00 | 1399 | 74.00 | 3957 | 94.00 | 2985 | 174.00 | 24456 |
| 52.00 | 44 | 75.00 | 12402 | 95.00 | 28136 | 175.00 | 1749 |
| 56.00 | 266 | 76.00 | 1028 | 96.00 | 1957 | 176.00 | 23472 |
| 57.00 | 546 | 77.00 | 166 | 97.00 | 40 | 177.00 | 1666 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-508038/8

Matrix: Water | Lab File ID: E83099.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/03/2018 13:18

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.: 508038 | 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 | 0.63 | U | 5.0 | 0.63 |
| 67-64-1 | Acetone | 1.49 | 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.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-508038/8

Matrix: Water  Lab File ID: E83099.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 13:18

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.: 508038  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 106 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 106 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 111 | | 80-120 |

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

Lab Name: TestAmerica Edison  Job No.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-508038/8

Matrix: Water  Lab File ID: E83099.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 13:18

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.: 508038  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\20180403-69754.b\E83099.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 03-Apr-2018 13:18:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0069754-008
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 04-Apr-2018 14:47:20 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: xuyvo Date: 04-Apr-2018 14:47:19

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 24 Acetone | 58 | 2.118 | 2.118 | 0.000 | 91 | 342 | | 1.49 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 66 | 95 | | 0.1992 | |
| * 29 TBA-d9 (IS) | 65 | 2.274 | 2.282 | -0.008 | 98 | 184251 | 1000.0 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 102145 | 50.0 | 55.5 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 221108 | 250.0 | 250.0 | |
| 52 Isooctane | 57 | 3.542 | 3.533 | 0.009 | 17 | 225 | | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 117281 | 50.0 | 52.8 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 419842 | 50.0 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 98 | 24396 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 433733 | 50.0 | 48.3 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 353477 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 94 | 140513 | 50.0 | 53.1 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 190655 | 50.0 | 50.0 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 1 | 231 | | NC | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 88 | 326 | | NC | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated

## Reagents:

8260SURR250_00169 Amount Added: 1.00 Units: uL Run Reagent
8260ISNEW_00119 Amount Added: 1.00 Units: uL Run Reagent

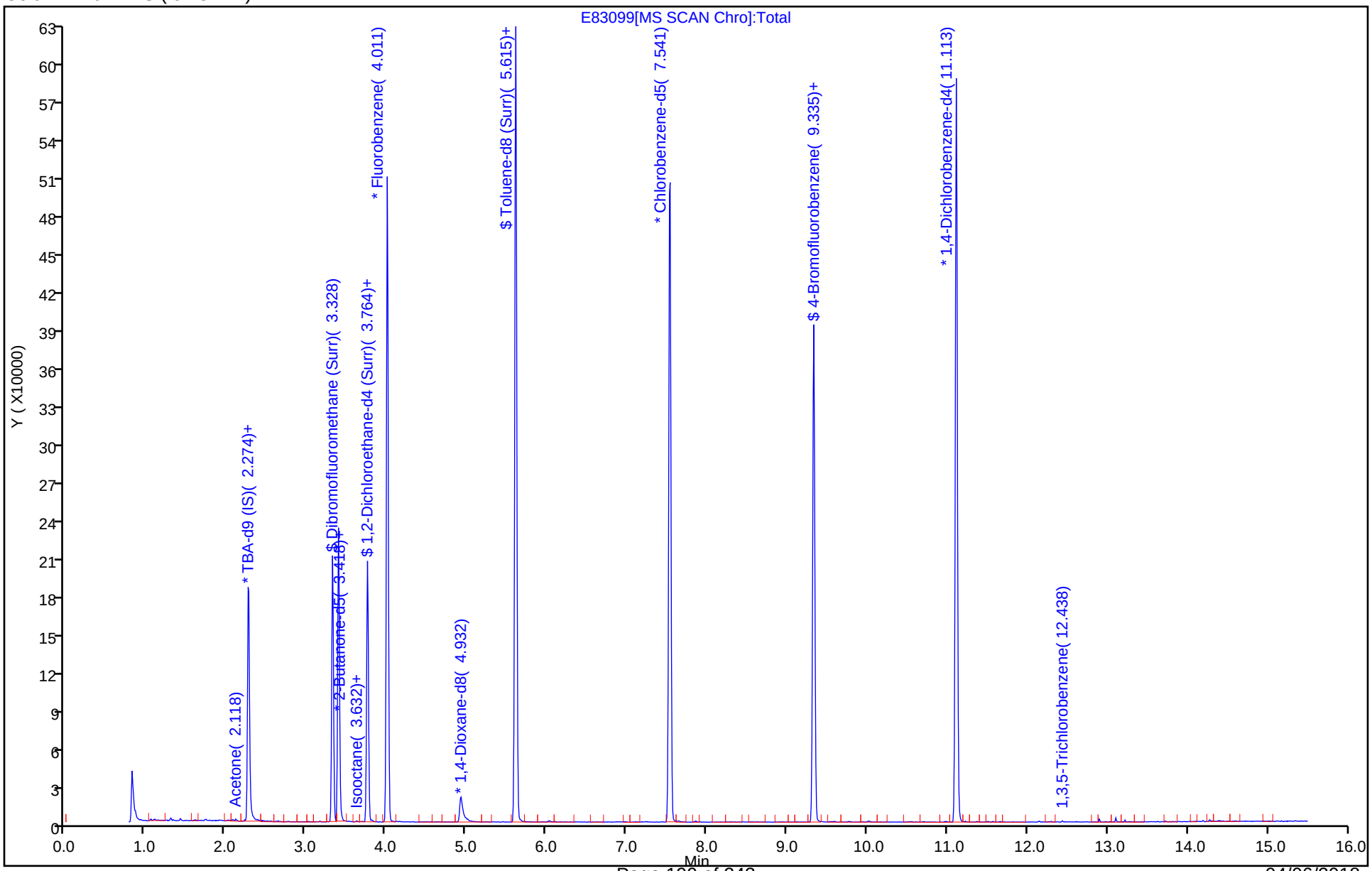
Report Date: 04-Apr-2018 14:47:23 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83099.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 03-Apr-2018 13:18:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | MB | | | Worklist Smp#: | 8 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 7 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



Report Date: 04-Apr-2018 14:47:23 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83099.D

Injection Date: 03-Apr-2018 13:18:30 Instrument ID: CVOAMS5

Lims ID: MB

Client ID:

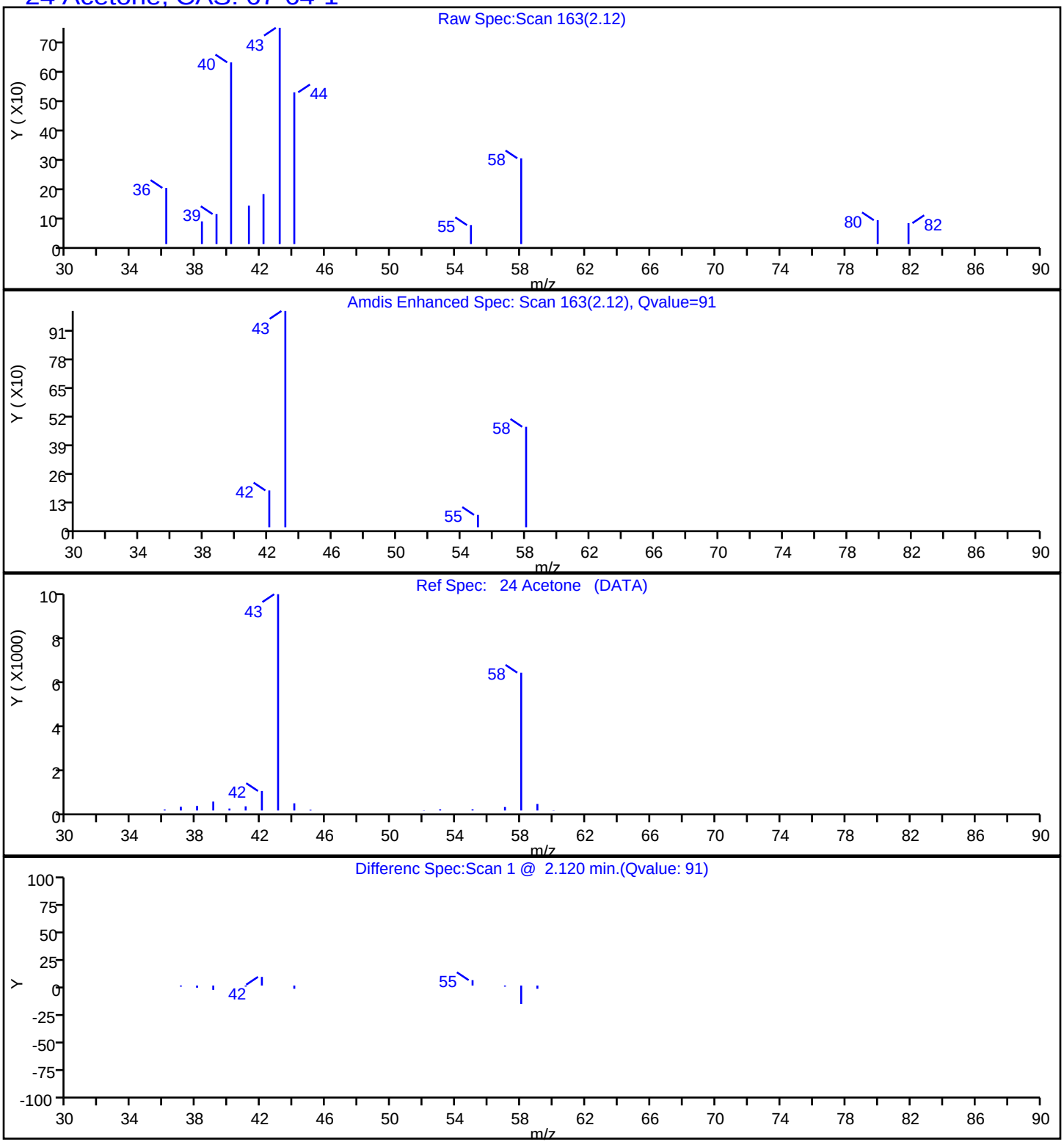
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 24 Acetone, CAS: 67-64-1



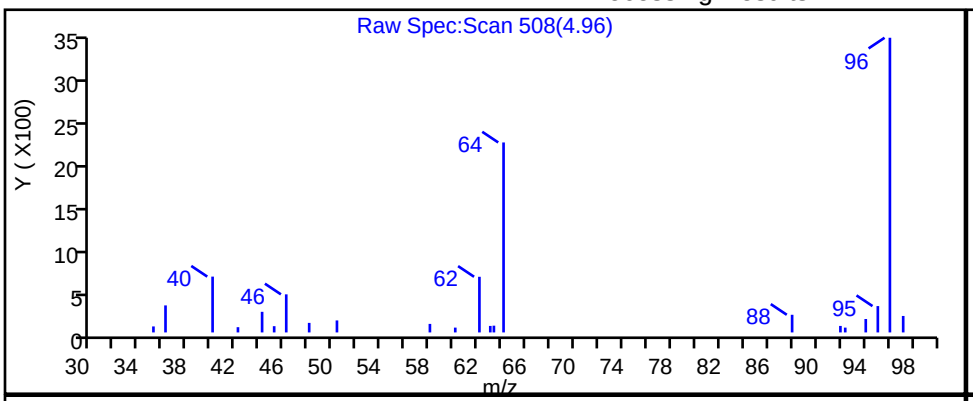
User Disabled Compound Report

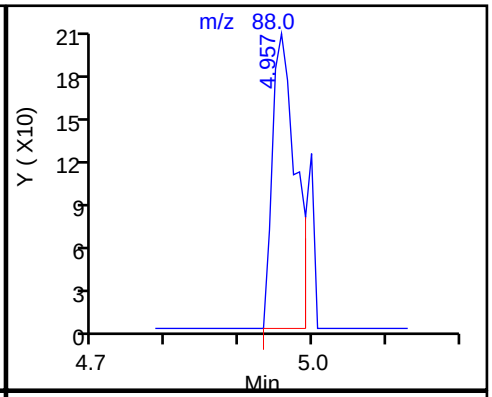
TestAmerica Edison

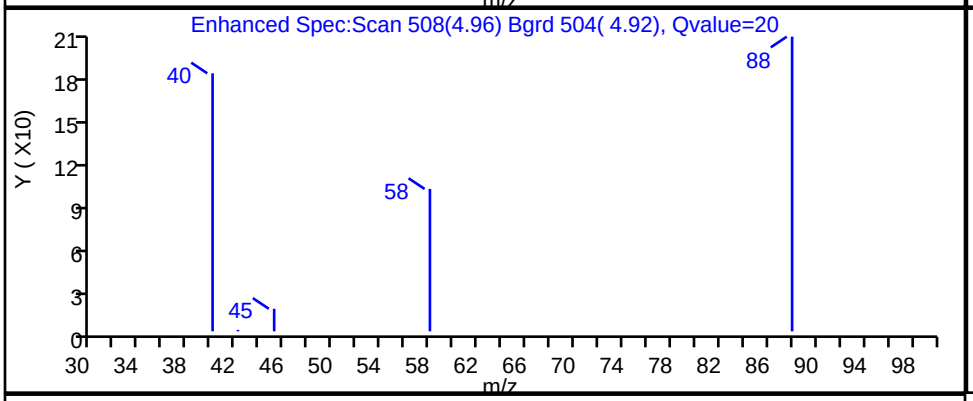
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83099.D | | | | |
| Injection Date: | 03-Apr-2018 13:18:30 | Instrument ID: | CVOAMS5 | | |
| Lims ID: | MB | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 7 | Worklist Smp#: | 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |
| Column: | Rtx-VMS ( 0.18 mm) | Detector | MS SCAN | | |

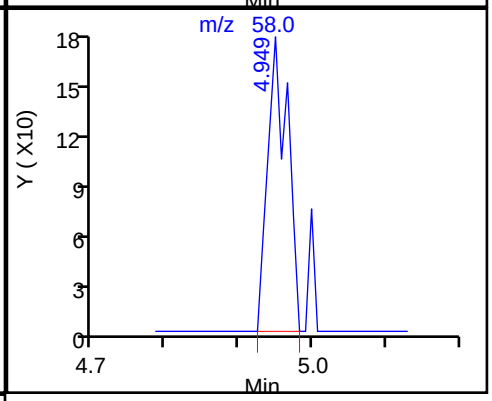
## 74 1,4-Dioxane, CAS: 123-91-1

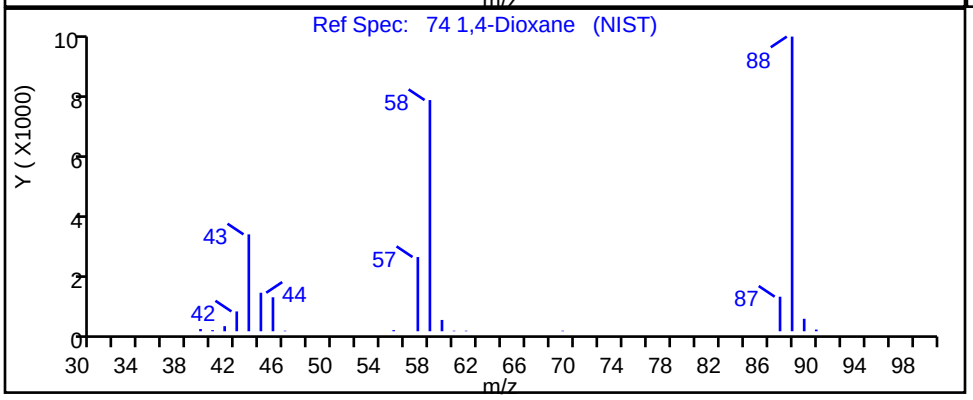
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.96 | 88.00 | 463 | 15.036550 |
| 4.95 | 58.00 | 328 | |

Reviewer: parekhv, 03-Apr-2018 13:36:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-508329/8

Matrix: Water | Lab File ID: E83150.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 11:57

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.: 508329 | 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 | 0.63 | U | 5.0 | 0.63 |
| 67-64-1 | Acetone | 1.57 | 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.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-508329/8

Matrix: Water  Lab File ID: E83150.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/04/2018 11:57

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.: 508329  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 108 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 107 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 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.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-508329/8

Matrix: Water  Lab File ID: E83150.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/04/2018 11:57

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.: 508329  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\20180404-69809.b\E83150.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 04-Apr-2018 11:57:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0069809-008
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 05-Apr-2018 15:04:46 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: parekhv Date: 04-Apr-2018 12:51:05

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 24 Acetone | 58 | 2.118 | 2.126 | -0.008 | 87 | 377 | | 1.57 | |
| * 29 TBA-d9 (IS) | 65 | 2.274 | 2.282 | -0.008 | 99 | 201468 | 1000.0 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 102513 | 50.0 | 55.1 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 231126 | 250.0 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 121655 | 50.0 | 54.2 | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 100 | 424540 | 50.0 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 98 | 25984 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 441850 | 50.0 | 48.8 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 356080 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 0 | 142675 | 50.0 | 53.5 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 195120 | 50.0 | 50.0 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 4 | 105 | | NC | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 90 | 246 | | NC | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

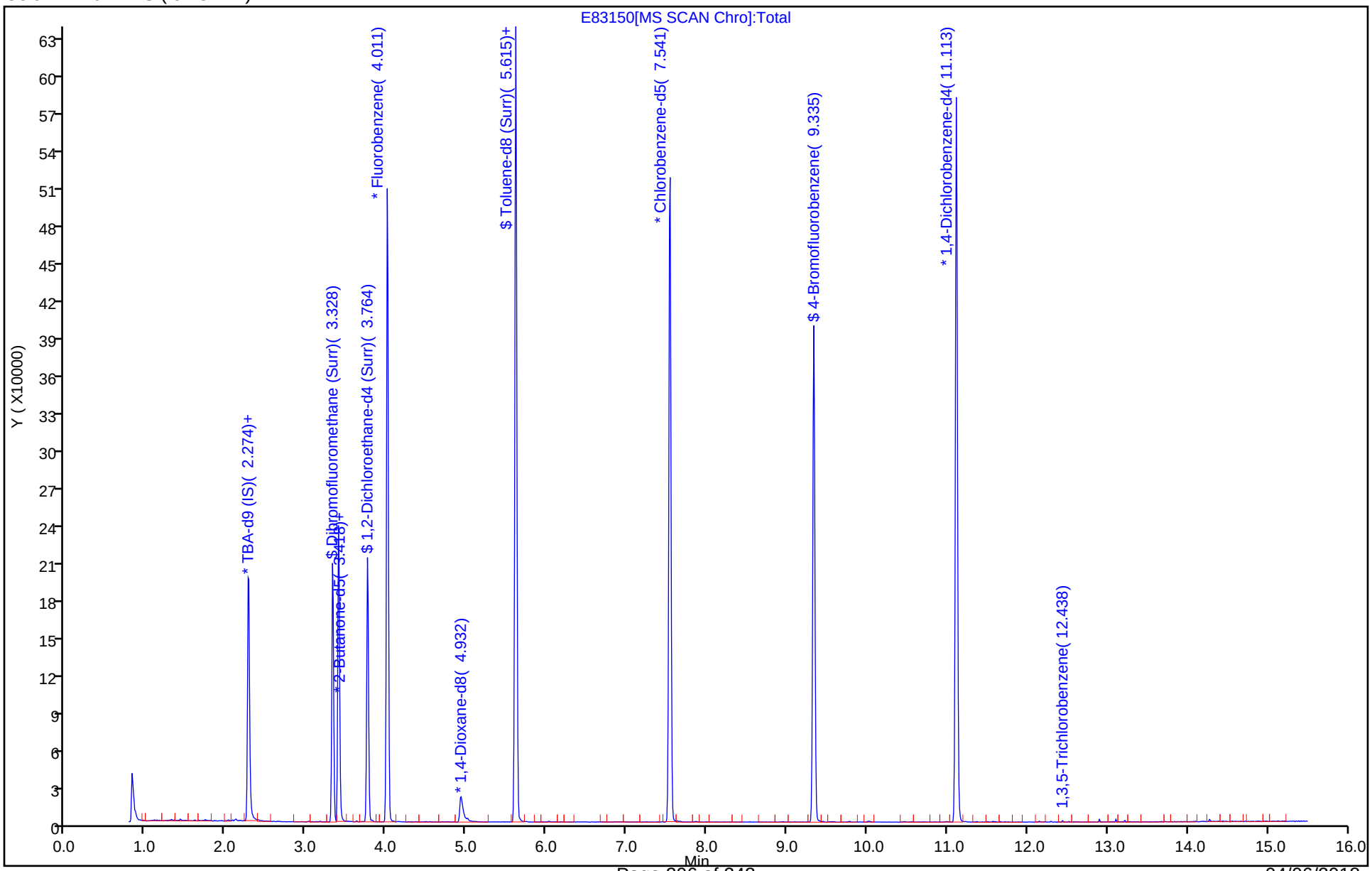
Report Date: 05-Apr-2018 15:04:48 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83150.D

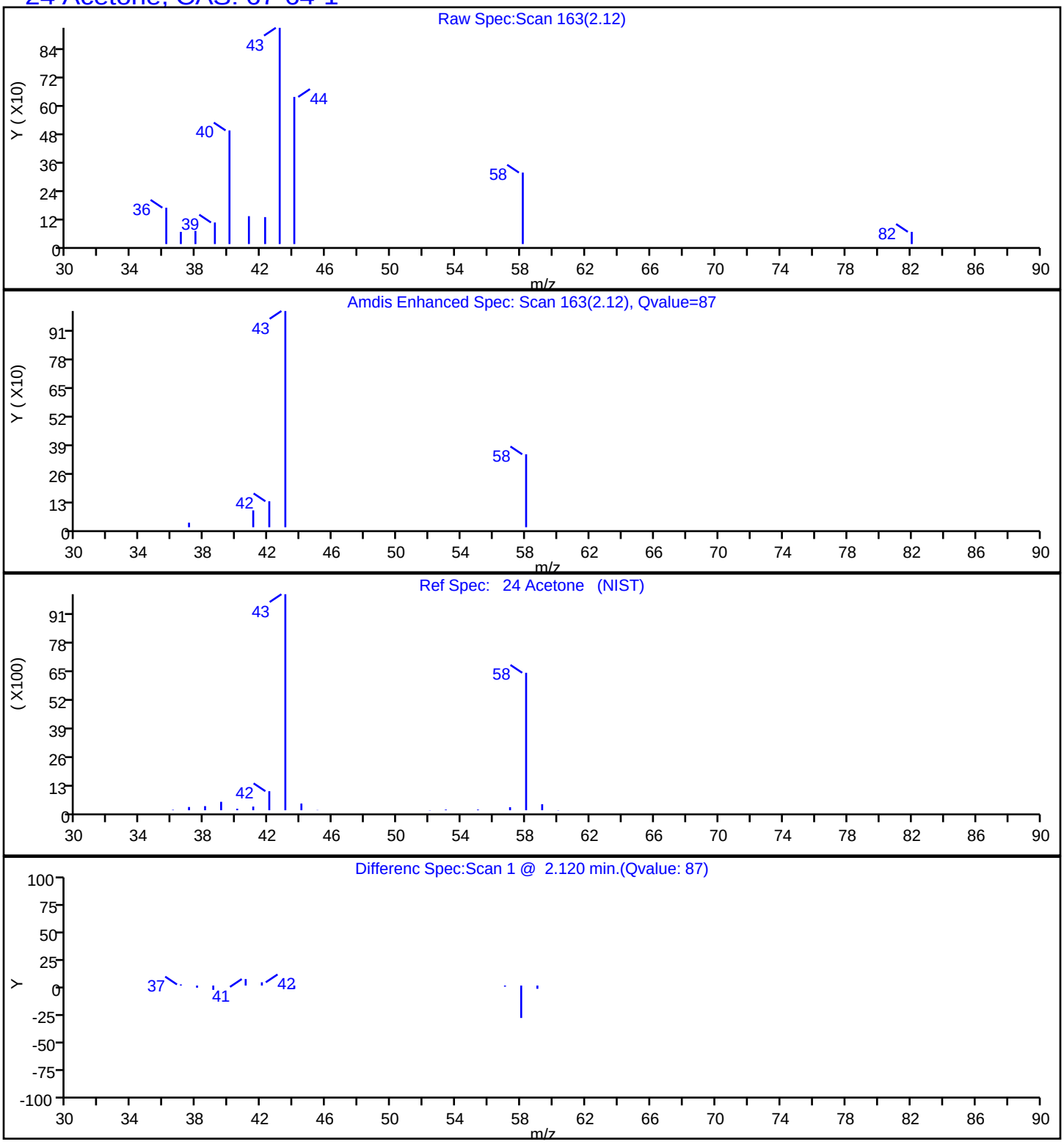
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 11:57:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | MB | | | Worklist Smp#: | 8 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 7 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83150.D
Injection Date: 04-Apr-2018 11:57:30 Instrument ID: CVOAMS5
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

## 24 Acetone, CAS: 67-64-1



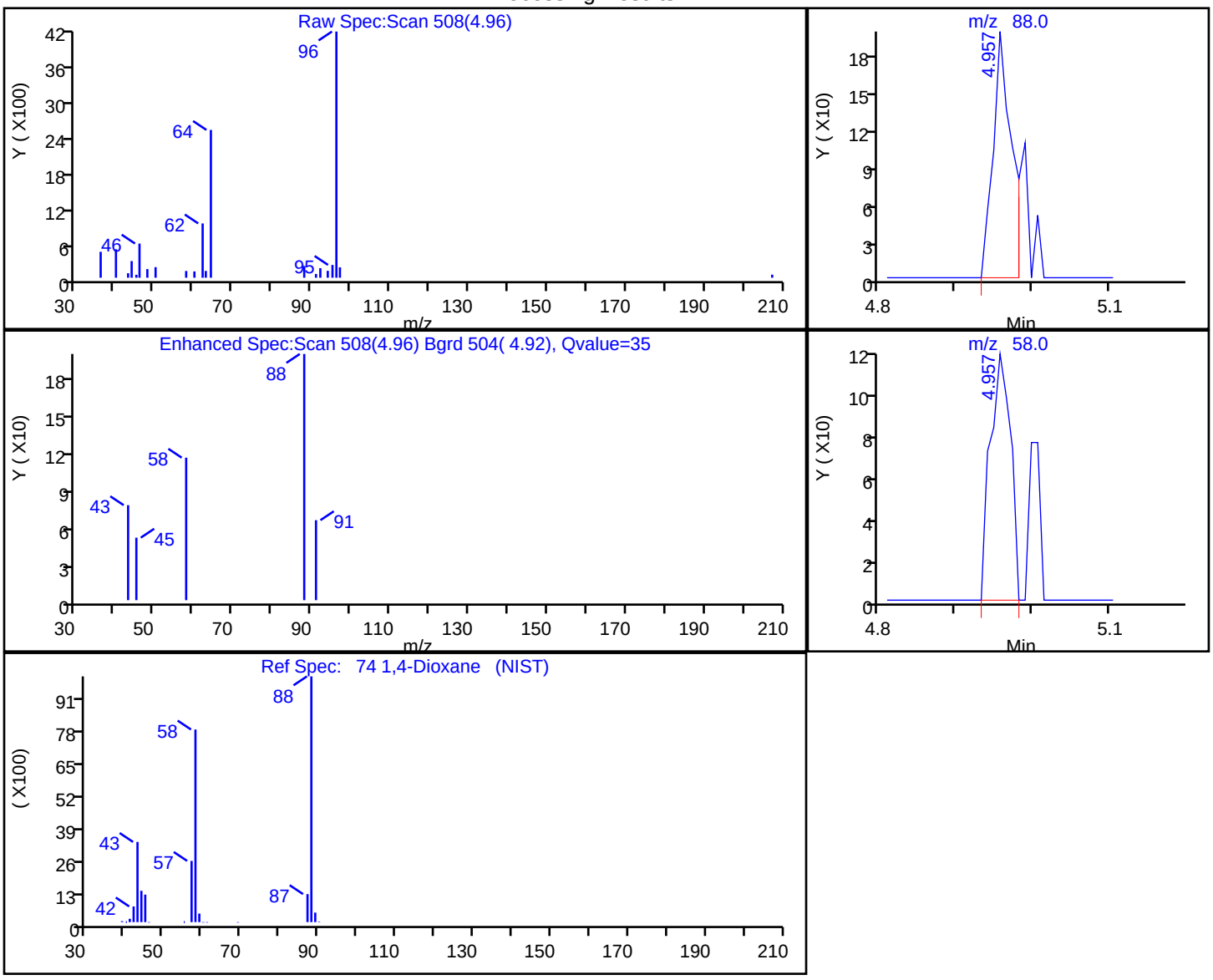
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83150.D
Injection Date: 04-Apr-2018 11:57:30 Instrument ID: CVOAMS5
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA 624 ICAL
Column: Rtx-VMS ( 0.18 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.96 | 88.00 | 331 | 10.092711 |
| 4.96 | 58.00 | 211 | |

Reviewer: xuyvo, 05-Apr-2018 15:04:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-508038/4

Matrix: Water | Lab File ID: E83095.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/03/2018 11:31

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.: 508038 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 20.8 | | 1.0 | 0.28 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.6 | | 1.0 | 0.19 |
| 79-00-5 | 1,1,2-Trichloroethane | 18.2 | | 1.0 | 0.080 |
| 75-34-3 | 1,1-Dichloroethane | 19.1 | | 1.0 | 0.24 |
| 75-35-4 | 1,1-Dichloroethene | 18.7 | | 1.0 | 0.34 |
| 107-06-2 | 1,2-Dichloroethane | 20.0 | | 1.0 | 0.25 |
| 78-87-5 | 1,2-Dichloropropane | 19.4 | | 1.0 | 0.18 |
| 123-91-1 | 1,4-Dioxane | 393 | | 50 | 8.7 |
| 78-93-3 | 2-Butanone | 105 | | 5.0 | 2.2 |
| 591-78-6 | 2-Hexanone | 113 | | 5.0 | 0.72 |
| 108-10-1 | 4-Methyl-2-pentanone | 112 | | 5.0 | 0.63 |
| 67-64-1 | Acetone | 80.5 | | 5.0 | 1.1 |
| 71-43-2 | Benzene | 18.6 | | 1.0 | 0.090 |
| 75-27-4 | Bromodichloromethane | 21.3 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 21.5 | | 1.0 | 0.18 |
| 74-83-9 | Bromomethane | 19.0 | | 1.0 | 0.18 |
| 75-15-0 | Carbon disulfide | 17.5 | | 1.0 | 0.22 |
| 56-23-5 | Carbon tetrachloride | 22.5 | | 1.0 | 0.33 |
| 108-90-7 | Chlorobenzene | 18.9 | | 1.0 | 0.24 |
| 75-00-3 | Chloroethane | 19.7 | | 1.0 | 0.37 |
| 67-66-3 | Chloroform | 19.8 | | 1.0 | 0.22 |
| 74-87-3 | Chloromethane | 16.1 | | 1.0 | 0.22 |
| 156-59-2 | cis-1,2-Dichloroethene | 20.0 | | 1.0 | 0.26 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.5 | | 1.0 | 0.16 |
| 124-48-1 | Dibromochloromethane | 20.8 | | 1.0 | 0.22 |
| 100-41-4 | Ethylbenzene | 19.6 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 18.9 | | 1.0 | 0.21 |
| 100-42-5 | Styrene | 20.9 | | 1.0 | 0.17 |
| 127-18-4 | Tetrachloroethene | 20.1 | | 1.0 | 0.12 |
| 108-88-3 | Toluene | 18.7 | | 1.0 | 0.25 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.7 | | 1.0 | 0.18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 19.6 | | 1.0 | 0.19 |
| 79-01-6 | Trichloroethene | 18.8 | | 1.0 | 0.22 |
| 75-01-4 | Vinyl chloride | 17.2 | | 1.0 | 0.060 |
| 1330-20-7 | Xylenes, Total | 40.8 | | 2.0 | 0.28 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-508038/4

Matrix: Water  Lab File ID: E83095.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 11:31

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.: 508038  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 105 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 109 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 111 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83095.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 03-Apr-2018 11:31:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0069754-004
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 03-Apr-2018 12:55:06 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: parekhv Date: 03-Apr-2018 12:55:06

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.924 | 0.925 | -0.001 | 89 | 14472 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 99 | 45225 | 20.0 | 17.9 | |
| 3 Vinyl chloride | 62 | 1.089 | 1.089 | 0.000 | 98 | 43930 | 20.0 | 17.2 | |
| 5 Chloromethane | 50 | 1.105 | 1.106 | -0.001 | 78 | 55688 | 20.0 | 16.1 | |
| 4 Butadiene | 54 | 1.105 | 1.106 | -0.001 | 90 | 37799 | 20.0 | 16.8 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 98 | 16630 | 20.0 | 19.0 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 98 | 13741 | 20.0 | 19.7 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 95 | 10135 | 40.0 | 47.6 | |
| 9 Trichlorofluoromethane | 101 | 1.426 | 1.427 | -0.001 | 99 | 52763 | 20.0 | 21.7 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 57485 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 96 | 46736 | 20.0 | 18.1 | |
| 13 Ethyl ether | 59 | 1.607 | 1.608 | -0.001 | 94 | 33685 | 20.0 | 19.8 | |
| 12 Ethanol | 46 | 1.714 | 1.706 | 0.008 | 42 | 8414 | 800.0 | 907.6 | a |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 97 | 34629 | 20.0 | 18.7 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 83 | 39054 | NC | NC | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 98 | 104958 | 20.0 | 17.5 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.748 | -0.001 | 96 | 33447 | 20.0 | 19.4 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 27560 | 20.0 | 20.3 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 86975 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 91 | 10572 | 40.0 | 37.8 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 90 | 21375 | 20.0 | 20.8 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 23310 | 200.0 | 171.5 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.077 | 0.008 | 86 | 45062 | 20.0 | 18.9 | |
| 24 Acetone | 58 | 2.118 | 2.118 | 0.000 | 87 | 19213 | 100.0 | 80.5 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 91 | 45263 | 20.0 | 19.7 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 98 | 42983 | 100.0 | 96.4 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 72 | 9928 | 20.0 | 20.0 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 93 | 134077 | 20.0 | 21.1 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 99 | 192007 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 99 | 42910 | 200.0 | 189.2 | |
| 31 Acetonitrile | 41 | 2.430 | 2.431 | -0.001 | 100 | 63482 | 200.0 | 185.9 | |

| 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 | 2.513 | 2.513 | 0.000 | 96 | 135617 | 20.0 | 19.5 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.570 | 2.570 | 0.000 | 90 | 39738 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.587 | 2.587 | 0.000 | 100 | 75654 | 20.0 | 19.1 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 182840 | 200.0 | 188.9 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 91 | 131542 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 22668 | 40.0 | 58.1 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 98 | 51788 | 20.0 | 20.0 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 97 | 53666 | 20.0 | 20.4 | |
| 40 Cyclohexane | 56 | 3.113 | 3.114 | -0.001 | 88 | 64499 | 20.0 | 20.0 | |
| 41 Chlorobromomethane | 128 | 3.122 | 3.122 | 0.000 | 89 | 25373 | 20.0 | 21.6 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 100 | 75040 | 20.0 | 19.8 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.278 | 0.008 | 98 | 42086 | 20.0 | 22.5 | |
| 45 Ethyl acetate | 70 | 3.303 | 3.295 | 0.008 | 99 | 11842 | 40.0 | 43.4 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 61 | 42685 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 89 | 35236 | 40.0 | 41.5 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.327 | 3.328 | -0.001 | 98 | 104890 | 50.0 | 55.3 | |
| 48 1,1,1-Trichloroethane | 97 | 3.336 | 3.344 | -0.008 | 96 | 59205 | 20.0 | 20.8 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 229371 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 76 | 57554 | 20.0 | 19.3 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 97 | 32012 | 100.0 | 105.1 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 99 | 83593 | NC | NC | |
| 53 n-Heptane | 57 | 3.624 | 3.624 | 0.000 | 89 | 20150 | 20.0 | 19.7 | |
| 54 Benzene | 78 | 3.648 | 3.649 | -0.001 | 94 | 189082 | 20.0 | 18.6 | |
| 55 Propionitrile | 54 | 3.681 | 3.682 | -0.001 | 95 | 70057 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 89 | 223275 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 97 | 128277 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 120345 | 50.0 | 52.6 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 97 | 57560 | 20.0 | 20.0 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 97 | 41522 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 92 | 29925 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 432770 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.076 | 4.077 | -0.001 | 99 | 75548 | 20.0 | 18.9 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 93 | 62543 | 20.0 | 20.2 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 96 | 45300 | 20.0 | 18.8 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.414 | 0.000 | 97 | 95791 | NC | NC | |
| 68 n-Butanol | 56 | 4.537 | 4.537 | 0.000 | 88 | 27437 | 500.0 | 469.9 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 96 | 29081 | 20.0 | 21.2 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 92 | 44581 | 20.0 | 19.4 | |
| 71 Ethyl acrylate | 55 | 4.726 | 4.727 | -0.001 | 98 | 58208 | 20.0 | 20.8 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 50209 | 20.0 | 21.3 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 42 | 26976 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.932 | 4.932 | 0.000 | 86 | 30861 | 40.0 | 44.3 | |
| 74 1,4-Dioxane | 88 | 4.957 | 4.957 | 0.000 | 91 | 13396 | 400.0 | 393.4 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 97 | 60147 | 20.0 | 19.2 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 95 | 24180 | 20.0 | 19.7 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 69197 | 20.0 | 19.5 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 451876 | 50.0 | 48.3 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 204875 | 20.0 | 18.7 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 99 | 64404 | 400.0 | 445.7 | |
| 81 2-Nitropropane | 41 | 5.953 | 5.953 | 0.000 | 99 | 16137 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 96 | 50895 | 20.0 | 20.1 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 6.167 | 6.159 | 0.008 | 94 | 207969 | 100.0 | 111.6 | |

| 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 | 6.183 | 6.183 | 0.000 | 99 | 63040 | 20.0 | 19.6 | |
| 85 1,1,2-Trichloroethane | 83 | 6.364 | 6.373 | -0.009 | 96 | 35990 | 20.0 | 18.2 | |
| 86 Ethyl methacrylate | 69 | 6.438 | 6.438 | 0.000 | 87 | 58670 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 36432 | 20.0 | 20.8 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 75606 | 20.0 | 18.6 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 98 | 44294 | 20.0 | 19.2 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 97 | 60547 | 20.0 | 18.6 | |
| 91 2-Hexanone | 43 | 7.245 | 7.245 | 0.000 | 94 | 145451 | 100.0 | 113.1 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 85 | 367561 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 135089 | 20.0 | 18.9 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 97 | 72240 | 20.0 | 19.6 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 95 | 39571 | 20.0 | 20.5 | |
| 96 m-Xylene & p-Xylene | 106 | 7.854 | 7.854 | 0.000 | 95 | 88794 | 20.0 | 20.3 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 84114 | 20.0 | 20.5 | |
| 98 Bromoform | 173 | 8.520 | 8.521 | -0.001 | 96 | 21135 | 20.0 | 21.5 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 97 | 143422 | 20.0 | 20.9 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 98 | 31765 | 20.0 | 19.7 | |
| 101 Isopropylbenzene | 105 | 8.948 | 8.949 | -0.001 | 95 | 210924 | 20.0 | 20.6 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 93 | 68614 | 20.0 | 18.8 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 93 | 149953 | 50.0 | 54.5 | |
| 104 Bromobenzene | 156 | 9.450 | 9.451 | -0.001 | 95 | 60092 | 20.0 | 19.7 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 99 | 238004 | 20.0 | 18.3 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.730 | 9.730 | 0.000 | 98 | 55908 | 20.0 | 17.6 | |
| 107 2-Chlorotoluene | 91 | 9.771 | 9.771 | 0.000 | 96 | 171846 | 20.0 | 18.9 | |
| 108 4-Ethyltoluene | 105 | 9.780 | 9.780 | 0.000 | 99 | 208315 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 97 | 17294 | 20.0 | 17.9 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 172662 | 20.0 | 19.7 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.002 | 0.008 | 87 | 12513 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.043 | 10.043 | 0.000 | 97 | 162114 | 20.0 | 19.2 | |
| 113 tert-Butylbenzene | 119 | 10.421 | 10.422 | -0.001 | 95 | 141731 | 20.0 | 20.2 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 90 | 56699 | 20.0 | 19.9 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.545 | 10.545 | 0.000 | 96 | 184025 | 20.0 | 20.2 | |
| 116 sec-Butylbenzene | 105 | 10.709 | 10.710 | -0.001 | 99 | 200520 | 20.0 | 19.3 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 98 | 112732 | 20.0 | 20.0 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 171807 | 20.0 | 20.2 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 202378 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.137 | 11.138 | -0.001 | 96 | 114396 | 20.0 | 19.2 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 187271 | 20.0 | 19.0 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 95 | 196253 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 97 | 17796 | 20.0 | 21.2 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 79 | 89188 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.565 | 11.566 | -0.001 | 98 | 74717 | 20.0 | 17.8 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 98 | 108930 | 20.0 | 19.7 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 153448 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 92 | 10765 | 20.0 | 22.0 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 97 | 72852 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 66549 | 20.0 | 20.9 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 62 | 20662 | 20.0 | 20.3 | |
| 132 Naphthalene | 128 | 13.104 | 13.105 | -0.001 | 99 | 183401 | 20.0 | 25.5 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 63228 | 20.0 | 21.9 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 39.6 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 39.1 | |

| 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 | 40.8 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 97.6 | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00076 | Amount Added: 20.00 | Units: uL | | |
| GASES Li_00253 | Amount Added: 20.00 | Units: uL | | |
| ACROLEIN W_00075 | Amount Added: 4.00 | Units: uL | | |
| 8260SURR250_00169 | Amount Added: 1.00 | Units: uL | Run Reagent | |
| 8260ISNEW_00119 | Amount Added: 1.00 | Units: uL | Run Reagent | |

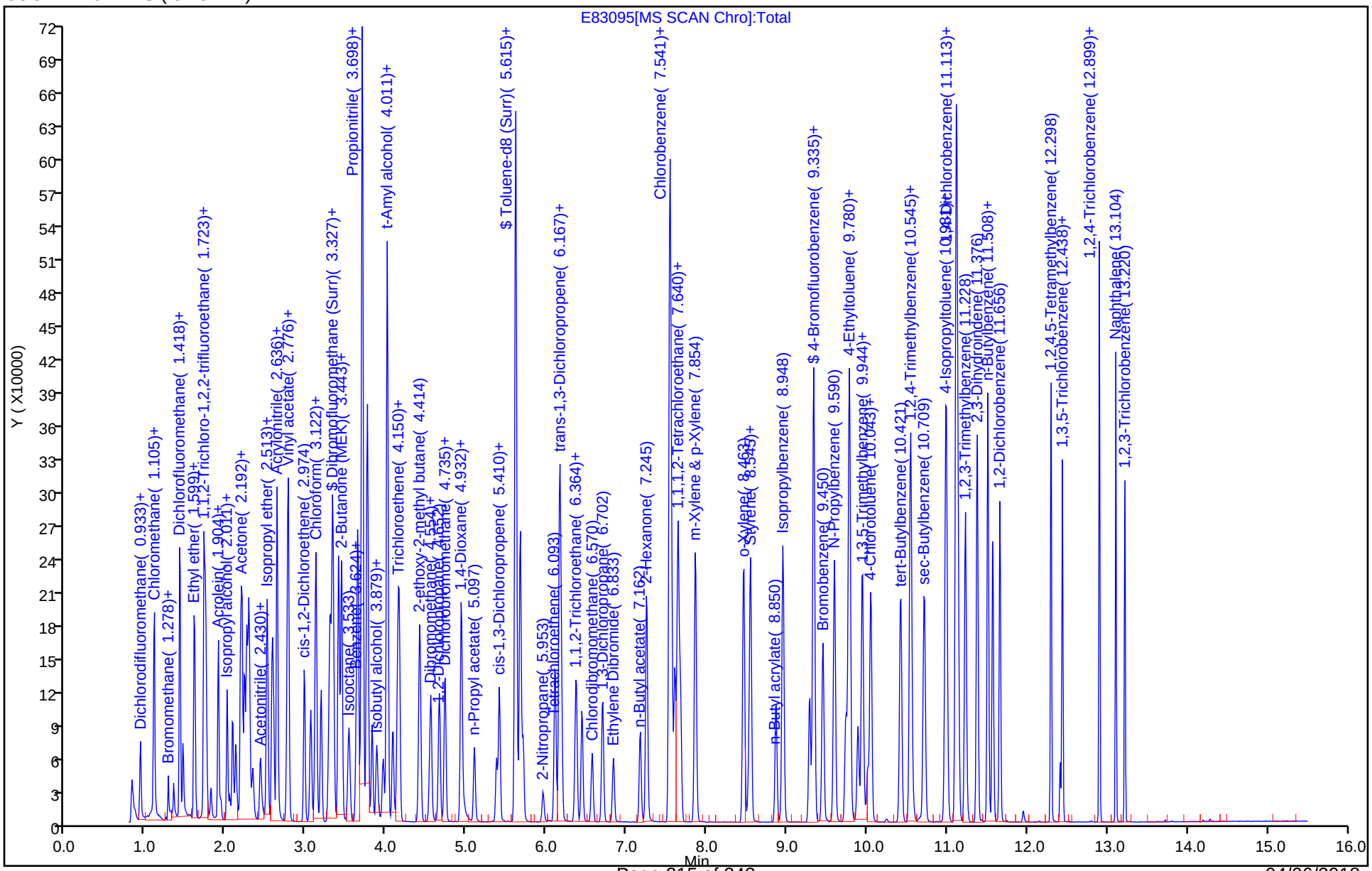
Report Date: 03-Apr-2018 12:55:08 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83095.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 03-Apr-2018 11:31:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | LCS | | | Worklist Smp#: | 4 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 3 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-508329/4

Matrix: Water | Lab File ID: E83146.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 10:10

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.: 508329 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 20.6 | | 1.0 | 0.28 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.1 | | 1.0 | 0.19 |
| 79-00-5 | 1,1,2-Trichloroethane | 17.8 | | 1.0 | 0.080 |
| 75-34-3 | 1,1-Dichloroethane | 19.0 | | 1.0 | 0.24 |
| 75-35-4 | 1,1-Dichloroethene | 19.2 | | 1.0 | 0.34 |
| 107-06-2 | 1,2-Dichloroethane | 19.5 | | 1.0 | 0.25 |
| 78-87-5 | 1,2-Dichloropropane | 19.1 | | 1.0 | 0.18 |
| 123-91-1 | 1,4-Dioxane | 373 | | 50 | 8.7 |
| 78-93-3 | 2-Butanone | 101 | | 5.0 | 2.2 |
| 591-78-6 | 2-Hexanone | 109 | | 5.0 | 0.72 |
| 108-10-1 | 4-Methyl-2-pentanone | 108 | | 5.0 | 0.63 |
| 67-64-1 | Acetone | 77.2 | | 5.0 | 1.1 |
| 71-43-2 | Benzene | 18.5 | | 1.0 | 0.090 |
| 75-27-4 | Bromodichloromethane | 20.8 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 19.7 | | 1.0 | 0.18 |
| 74-83-9 | Bromomethane | 18.5 | | 1.0 | 0.18 |
| 75-15-0 | Carbon disulfide | 16.8 | | 1.0 | 0.22 |
| 56-23-5 | Carbon tetrachloride | 22.2 | | 1.0 | 0.33 |
| 108-90-7 | Chlorobenzene | 18.8 | | 1.0 | 0.24 |
| 75-00-3 | Chloroethane | 21.7 | | 1.0 | 0.37 |
| 67-66-3 | Chloroform | 19.7 | | 1.0 | 0.22 |
| 74-87-3 | Chloromethane | 16.7 | | 1.0 | 0.22 |
| 156-59-2 | cis-1,2-Dichloroethene | 20.0 | | 1.0 | 0.26 |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.8 | | 1.0 | 0.16 |
| 124-48-1 | Dibromochloromethane | 19.9 | | 1.0 | 0.22 |
| 100-41-4 | Ethylbenzene | 19.6 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 18.7 | | 1.0 | 0.21 |
| 100-42-5 | Styrene | 20.6 | | 1.0 | 0.17 |
| 127-18-4 | Tetrachloroethene | 19.6 | | 1.0 | 0.12 |
| 108-88-3 | Toluene | 18.5 | | 1.0 | 0.25 |
| 156-60-5 | trans-1,2-Dichloroethene | 18.2 | | 1.0 | 0.18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 19.3 | | 1.0 | 0.19 |
| 79-01-6 | Trichloroethene | 19.3 | | 1.0 | 0.22 |
| 75-01-4 | Vinyl chloride | 18.2 | | 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.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-508329/4

Matrix: Water  Lab File ID: E83146.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/04/2018 10:10

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.: 508329  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 107 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 112 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 112 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83146.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 04-Apr-2018 10:10:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0069809-004
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 04-Apr-2018 11:47:03 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: parekhv Date: 04-Apr-2018 11:47:03

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.925 | 0.925 | 0.000 | 90 | 13568 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 99 | 43019 | 20.0 | 16.7 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 98 | 47359 | 20.0 | 18.2 | |
| 5 Chloromethane | 50 | 1.106 | 1.106 | 0.000 | 77 | 58964 | 20.0 | 16.7 | |
| 4 Butadiene | 54 | 1.106 | 1.106 | 0.000 | 90 | 39213 | 20.0 | 17.1 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 97 | 17439 | 20.0 | 18.5 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 98 | 16357 | 20.0 | 21.7 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 96 | 9745 | 40.0 | 43.4 | |
| 9 Trichlorofluoromethane | 101 | 1.427 | 1.427 | 0.000 | 96 | 55720 | 20.0 | 22.5 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 61797 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 96 | 48228 | 20.0 | 18.3 | |
| 13 Ethyl ether | 59 | 1.616 | 1.608 | 0.008 | 94 | 34351 | 20.0 | 19.9 | |
| 12 Ethanol | 46 | 1.706 | 1.715 | -0.009 | 100 | 8519 | 800.0 | 850.3 | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 97 | 36345 | 20.0 | 19.2 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 84 | 41196 | NC | NC | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 99 | 102283 | 20.0 | 16.8 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.747 | 0.000 | 98 | 34164 | 20.0 | 19.5 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 28683 | 20.0 | 20.8 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 96 | 87402 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 96 | 11629 | 40.0 | 38.5 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 92 | 21944 | 20.0 | 21.0 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 99 | 25494 | 200.0 | 173.6 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 87 | 45303 | 20.0 | 18.7 | |
| 24 Acetone | 58 | 2.118 | 2.126 | -0.008 | 87 | 19453 | 100.0 | 77.2 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 90 | 42540 | 20.0 | 18.2 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 98 | 38235 | 100.0 | 79.3 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 80 | 8794 | 20.0 | 16.4 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 89 | 124837 | 20.0 | 19.3 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 100 | 207501 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 99 | 43986 | 200.0 | 179.5 | |
| 31 Acetonitrile | 41 | 2.431 | 2.431 | 0.000 | 100 | 60343 | 200.0 | 163.5 | |

| 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 | 2.513 | 2.513 | 0.000 | 95 | 135881 | 20.0 | 19.2 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.579 | 2.579 | 0.000 | 88 | 40466 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 100 | 76885 | 20.0 | 19.0 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 183651 | 200.0 | 186.4 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 90 | 130963 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 19792 | 40.0 | 48.0 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 99 | 52775 | 20.0 | 20.0 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 97 | 55464 | 20.0 | 20.7 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 88 | 64488 | 20.0 | 19.7 | |
| 41 Chlorobromomethane | 128 | 3.122 | 3.122 | 0.000 | 88 | 25419 | 20.0 | 21.3 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 100 | 75954 | 20.0 | 19.7 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 98 | 42245 | 20.0 | 22.2 | |
| 45 Ethyl acetate | 70 | 3.303 | 3.295 | 0.008 | 99 | 12257 | 40.0 | 42.5 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 60 | 42187 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 94 | 35417 | 40.0 | 39.5 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 107978 | 50.0 | 55.9 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 96 | 59519 | 20.0 | 20.6 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 242102 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 77 | 59946 | 20.0 | 19.7 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 97 | 32401 | 100.0 | 100.7 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 100 | 78635 | NC | NC | |
| 53 n-Heptane | 57 | 3.624 | 3.632 | -0.008 | 88 | 18994 | 20.0 | 18.2 | |
| 54 Benzene | 78 | 3.649 | 3.649 | 0.000 | 94 | 191826 | 20.0 | 18.5 | |
| 55 Propionitrile | 54 | 3.690 | 3.690 | 0.000 | 95 | 71609 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 90 | 216249 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 98 | 126798 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 125072 | 50.0 | 53.7 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 97 | 56949 | 20.0 | 19.5 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 96 | 43549 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 94 | 31534 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 100 | 440560 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 99 | 76366 | 20.0 | 18.8 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 94 | 61136 | 20.0 | 19.4 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 97 | 47486 | 20.0 | 19.3 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.414 | 0.000 | 97 | 96583 | NC | NC | |
| 68 n-Butanol | 56 | 4.546 | 4.546 | 0.000 | 87 | 29323 | 500.0 | 464.7 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 96 | 28135 | 20.0 | 20.2 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 92 | 44823 | 20.0 | 19.1 | |
| 71 Ethyl acrylate | 55 | 4.727 | 4.727 | 0.000 | 99 | 56298 | 20.0 | 19.8 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 49989 | 20.0 | 20.8 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 97 | 28921 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.932 | 4.932 | 0.000 | 87 | 30360 | 40.0 | 42.8 | |
| 74 1,4-Dioxane | 88 | 4.965 | 4.957 | 0.008 | 72 | 13615 | 400.0 | 373.0 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 97 | 59416 | 20.0 | 18.6 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 96 | 24140 | 20.0 | 19.4 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 68263 | 20.0 | 18.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 466692 | 50.0 | 49.0 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 206205 | 20.0 | 18.5 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 99 | 67807 | 400.0 | 444.6 | |
| 81 2-Nitropropane | 41 | 5.961 | 5.953 | 0.008 | 97 | 15295 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 97 | 50760 | 20.0 | 19.6 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 6.167 | 6.167 | 0.000 | 95 | 211629 | 100.0 | 107.6 | |

| 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 | 6.183 | 6.183 | 0.000 | 98 | 63020 | 20.0 | 19.3 | |
| 85 1,1,2-Trichloroethane | 83 | 6.373 | 6.373 | 0.000 | 95 | 36005 | 20.0 | 17.8 | |
| 86 Ethyl methacrylate | 69 | 6.447 | 6.438 | 0.009 | 88 | 58225 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 35559 | 20.0 | 19.9 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 91 | 74544 | 20.0 | 17.9 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 98 | 44698 | 20.0 | 19.0 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 97 | 58625 | 20.0 | 17.7 | |
| 91 2-Hexanone | 43 | 7.245 | 7.245 | 0.000 | 94 | 147767 | 100.0 | 108.9 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 374821 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 136873 | 20.0 | 18.8 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 97 | 73795 | 20.0 | 19.6 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 93 | 38983 | 20.0 | 19.8 | |
| 96 m-Xylene & p-Xylene | 106 | 7.854 | 7.854 | 0.000 | 95 | 90355 | 20.0 | 20.2 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 84684 | 20.0 | 20.2 | |
| 98 Bromoform | 173 | 8.521 | 8.521 | 0.000 | 96 | 20035 | 20.0 | 19.7 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 98 | 143885 | 20.0 | 20.6 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 97 | 31700 | 20.0 | 19.2 | |
| 101 Isopropylbenzene | 105 | 8.948 | 8.948 | 0.000 | 95 | 214772 | 20.0 | 20.6 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 93 | 68734 | 20.0 | 18.2 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 0 | 156729 | 50.0 | 55.8 | |
| 104 Bromobenzene | 156 | 9.450 | 9.450 | 0.000 | 96 | 59970 | 20.0 | 19.0 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 100 | 238172 | 20.0 | 17.8 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.739 | 9.739 | 0.000 | 98 | 56367 | 20.0 | 17.1 | |
| 107 2-Chlorotoluene | 91 | 9.771 | 9.771 | 0.000 | 96 | 172627 | 20.0 | 18.3 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 98 | 209924 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 97 | 18272 | 20.0 | 18.3 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 172170 | 20.0 | 19.0 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.010 | 0.000 | 85 | 13391 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.043 | 10.043 | 0.000 | 97 | 161640 | 20.0 | 18.5 | |
| 113 tert-Butylbenzene | 119 | 10.422 | 10.422 | 0.000 | 96 | 136822 | 20.0 | 18.9 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 90 | 55471 | 20.0 | 18.8 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.545 | 10.545 | 0.000 | 97 | 183626 | 20.0 | 19.5 | |
| 116 sec-Butylbenzene | 105 | 10.710 | 10.718 | -0.008 | 99 | 197142 | 20.0 | 18.3 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 98 | 112706 | 20.0 | 19.3 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 169632 | 20.0 | 19.3 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 209266 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.138 | 11.138 | 0.000 | 96 | 114979 | 20.0 | 18.7 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 185130 | 20.0 | 18.2 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 95 | 193198 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 96 | 17058 | 20.0 | 19.6 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 79 | 87776 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.566 | 11.566 | 0.000 | 98 | 72887 | 20.0 | 16.8 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 98 | 109257 | 20.0 | 19.1 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 148415 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 91 | 10616 | 20.0 | 21.0 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 97 | 70165 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 64619 | 20.0 | 19.6 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 61 | 20036 | 20.0 | 19.0 | |
| 132 Naphthalene | 128 | 13.104 | 13.104 | 0.000 | 100 | 172955 | 20.0 | 23.2 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 60541 | 20.0 | 20.3 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.1 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 38.1 | |

| 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 | 40.5 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 97.0 | |

## QC Flag Legend

Processing Flags

NC - Not Calibrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00076 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00254 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00075 | Amount Added: | 4.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 04-Apr-2018 11:47:18 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83146.D

Injection Date: 04-Apr-2018 10:10:30 Instrument ID: CVOAMS5 Operator ID:

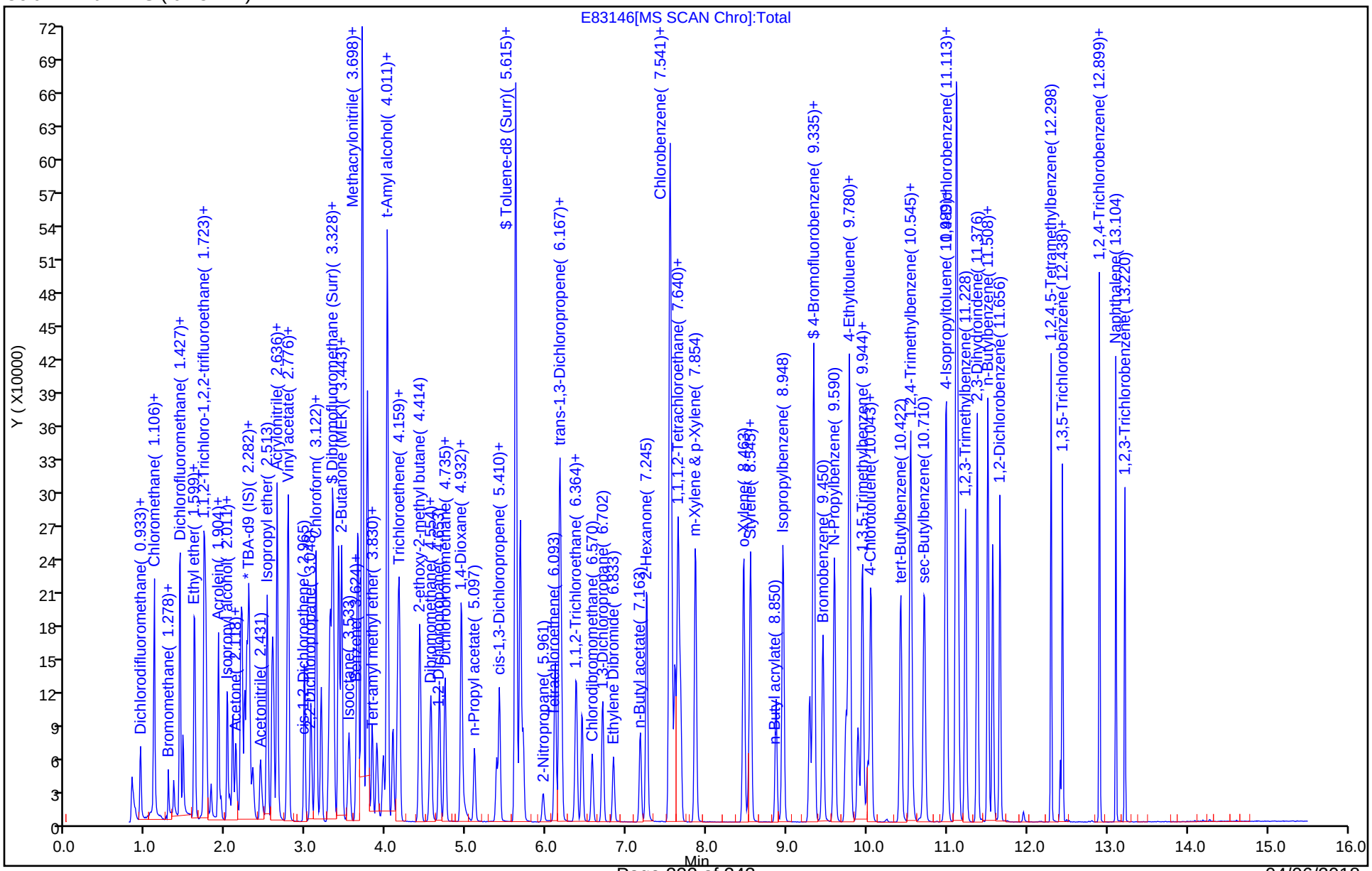
Lims ID: LCS Worklist Smp#: 4

Client ID:

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

Method: 8260W_5 Limit Group: VOA 624 ICAL

Column: Rtx-VMS ( 0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-508038/5

Matrix: Water | Lab File ID: E83096.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/03/2018 11:58

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.: 508038 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 21.0 | | 1.0 | 0.28 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.3 | | 1.0 | 0.19 |
| 79-00-5 | 1,1,2-Trichloroethane | 18.9 | | 1.0 | 0.080 |
| 75-34-3 | 1,1-Dichloroethane | 19.9 | | 1.0 | 0.24 |
| 75-35-4 | 1,1-Dichloroethene | 19.4 | | 1.0 | 0.34 |
| 107-06-2 | 1,2-Dichloroethane | 20.1 | | 1.0 | 0.25 |
| 78-87-5 | 1,2-Dichloropropane | 19.6 | | 1.0 | 0.18 |
| 123-91-1 | 1,4-Dioxane | 373 | | 50 | 8.7 |
| 78-93-3 | 2-Butanone | 107 | | 5.0 | 2.2 |
| 591-78-6 | 2-Hexanone | 116 | | 5.0 | 0.72 |
| 108-10-1 | 4-Methyl-2-pentanone | 111 | | 5.0 | 0.63 |
| 67-64-1 | Acetone | 81.7 | | 5.0 | 1.1 |
| 71-43-2 | Benzene | 18.8 | | 1.0 | 0.090 |
| 75-27-4 | Bromodichloromethane | 21.9 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 20.9 | | 1.0 | 0.18 |
| 74-83-9 | Bromomethane | 19.2 | | 1.0 | 0.18 |
| 75-15-0 | Carbon disulfide | 17.8 | | 1.0 | 0.22 |
| 56-23-5 | Carbon tetrachloride | 23.0 | | 1.0 | 0.33 |
| 108-90-7 | Chlorobenzene | 19.2 | | 1.0 | 0.24 |
| 75-00-3 | Chloroethane | 18.6 | | 1.0 | 0.37 |
| 67-66-3 | Chloroform | 20.3 | | 1.0 | 0.22 |
| 74-87-3 | Chloromethane | 16.8 | | 1.0 | 0.22 |
| 156-59-2 | cis-1,2-Dichloroethene | 20.4 | | 1.0 | 0.26 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.5 | | 1.0 | 0.16 |
| 124-48-1 | Dibromochloromethane | 21.0 | | 1.0 | 0.22 |
| 100-41-4 | Ethylbenzene | 20.1 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 19.0 | | 1.0 | 0.21 |
| 100-42-5 | Styrene | 21.4 | | 1.0 | 0.17 |
| 127-18-4 | Tetrachloroethene | 20.1 | | 1.0 | 0.12 |
| 108-88-3 | Toluene | 19.1 | | 1.0 | 0.25 |
| 156-60-5 | trans-1,2-Dichloroethene | 20.7 | | 1.0 | 0.18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 19.4 | | 1.0 | 0.19 |
| 79-01-6 | Trichloroethene | 19.4 | | 1.0 | 0.22 |
| 75-01-4 | Vinyl chloride | 18.4 | | 1.0 | 0.060 |
| 1330-20-7 | Xylenes, Total | 41.9 | | 2.0 | 0.28 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCSD 460-508038/5

Matrix: Water  Lab File ID: E83096.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/03/2018 11:58

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.: 508038  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 105 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 111 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 111 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83096.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 03-Apr-2018 11:58:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0069754-005
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 03-Apr-2018 12:55:51 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: parekhv Date: 03-Apr-2018 12:55:51

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.924 | 0.925 | -0.001 | 85 | 13850 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 99 | 44349 | 20.0 | 17.6 | |
| 3 Vinyl chloride | 62 | 1.089 | 1.089 | 0.000 | 99 | 46845 | 20.0 | 18.4 | |
| 5 Chloromethane | 50 | 1.105 | 1.106 | -0.001 | 78 | 57985 | 20.0 | 16.8 | |
| 4 Butadiene | 54 | 1.105 | 1.106 | -0.001 | 89 | 38965 | 20.0 | 17.4 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 98 | 17537 | 20.0 | 19.2 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 98 | 13541 | 20.0 | 18.6 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 95 | 10064 | 40.0 | 46.6 | |
| 9 Trichlorofluoromethane | 101 | 1.426 | 1.427 | -0.001 | 98 | 52825 | 20.0 | 21.8 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 59811 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 96 | 48110 | 20.0 | 18.7 | |
| 13 Ethyl ether | 59 | 1.607 | 1.608 | -0.001 | 95 | 33663 | 20.0 | 19.9 | |
| 12 Ethanol | 46 | 1.714 | 1.706 | 0.008 | 99 | 8346 | 800.0 | 860.2 | a |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 97 | 35849 | 20.0 | 19.4 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 85 | 40279 | NC | NC | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 98 | 106517 | 20.0 | 17.8 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.748 | -0.001 | 95 | 33866 | 20.0 | 19.7 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 96 | 26795 | 20.0 | 19.8 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 87113 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 92 | 10298 | 40.0 | 35.2 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 89 | 21126 | 20.0 | 20.6 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 24385 | 200.0 | 171.5 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.077 | 0.008 | 86 | 44953 | 20.0 | 19.0 | |
| 24 Acetone | 58 | 2.118 | 2.118 | 0.000 | 88 | 19805 | 100.0 | 81.7 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 91 | 47406 | 20.0 | 20.7 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 98 | 44402 | 100.0 | 95.1 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 80 | 9950 | 20.0 | 19.1 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 94 | 134943 | 20.0 | 21.3 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 99 | 200935 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 100 | 45274 | 200.0 | 190.7 | |
| 31 Acetonitrile | 41 | 2.430 | 2.431 | -0.001 | 99 | 63347 | 200.0 | 177.2 | |

| 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 | 2.513 | 2.513 | 0.000 | 96 | 138585 | 20.0 | 20.0 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.570 | 2.570 | 0.000 | 89 | 41906 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.587 | 2.587 | 0.000 | 99 | 78821 | 20.0 | 19.9 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 184421 | 200.0 | 191.2 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 90 | 133916 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 21730 | 40.0 | 54.9 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 98 | 52787 | 20.0 | 20.4 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 98 | 54451 | 20.0 | 20.7 | |
| 40 Cyclohexane | 56 | 3.113 | 3.114 | -0.001 | 88 | 64954 | 20.0 | 20.3 | |
| 41 Chlorobromomethane | 128 | 3.122 | 3.122 | 0.000 | 93 | 25023 | 20.0 | 21.4 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 99 | 76673 | 20.0 | 20.3 | |
| 43 Carbon tetrachloride | 117 | 3.278 | 3.278 | 0.000 | 99 | 42847 | 20.0 | 23.0 | |
| 45 Ethyl acetate | 70 | 3.303 | 3.295 | 0.008 | 99 | 12301 | 40.0 | 44.4 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 97 | 42388 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 92 | 36039 | 40.0 | 41.8 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.327 | 3.328 | -0.001 | 98 | 104589 | 50.0 | 55.3 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 96 | 59584 | 20.0 | 21.0 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 232787 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 93 | 59760 | 20.0 | 20.1 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 99 | 33131 | 100.0 | 107.1 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 99 | 80478 | NC | NC | |
| 53 n-Heptane | 57 | 3.624 | 3.624 | 0.000 | 91 | 19650 | 20.0 | 19.3 | |
| 54 Benzene | 78 | 3.648 | 3.649 | -0.001 | 94 | 190551 | 20.0 | 18.8 | |
| 55 Propionitrile | 54 | 3.690 | 3.682 | 0.008 | 95 | 70592 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 89 | 224350 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 98 | 128714 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 96 | 120143 | 50.0 | 52.7 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 97 | 57571 | 20.0 | 20.1 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 97 | 43780 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 93 | 31492 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 99 | 431294 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.076 | 4.077 | -0.001 | 99 | 76899 | 20.0 | 19.3 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 94 | 63124 | 20.0 | 20.4 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 97 | 46648 | 20.0 | 19.4 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.414 | 0.000 | 98 | 98271 | NC | NC | |
| 68 n-Butanol | 56 | 4.537 | 4.537 | 0.000 | 87 | 28738 | 500.0 | 470.3 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 94 | 28651 | 20.0 | 21.0 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 91 | 44886 | 20.0 | 19.6 | |
| 71 Ethyl acrylate | 55 | 4.727 | 4.727 | -0.001 | 98 | 58537 | 20.0 | 21.0 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 98 | 51448 | 20.0 | 21.9 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 45 | 28552 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.932 | 4.932 | 0.000 | 87 | 30512 | 40.0 | 43.9 | |
| 74 1,4-Dioxane | 88 | 4.965 | 4.957 | 0.008 | 82 | 13437 | 400.0 | 372.9 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 97 | 59763 | 20.0 | 19.1 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 96 | 24654 | 20.0 | 20.2 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 69132 | 20.0 | 19.5 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 455529 | 50.0 | 48.8 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 208040 | 20.0 | 19.1 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 99 | 66287 | 400.0 | 452.0 | |
| 81 2-Nitropropane | 41 | 5.953 | 5.953 | 0.000 | 99 | 15807 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 97 | 50945 | 20.0 | 20.1 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 6.158 | 6.159 | -0.001 | 94 | 210610 | 100.0 | 111.3 | |

| 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 | 6.183 | 6.183 | 0.000 | 98 | 62117 | 20.0 | 19.4 | |
| 85 1,1,2-Trichloroethane | 83 | 6.372 | 6.373 | -0.001 | 97 | 37314 | 20.0 | 18.9 | |
| 86 Ethyl methacrylate | 69 | 6.438 | 6.438 | 0.000 | 87 | 60725 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 36591 | 20.0 | 21.0 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 92 | 75184 | 20.0 | 18.5 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 99 | 44493 | 20.0 | 19.3 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 97 | 62531 | 20.0 | 19.2 | |
| 91 2-Hexanone | 43 | 7.245 | 7.245 | 0.000 | 94 | 150894 | 100.0 | 115.7 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 84 | 366802 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 137429 | 20.0 | 19.2 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 97 | 74198 | 20.0 | 20.1 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 95 | 39276 | 20.0 | 20.4 | |
| 96 m-Xylene & p-Xylene | 106 | 7.854 | 7.854 | 0.000 | 95 | 90214 | 20.0 | 20.6 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 87213 | 20.0 | 21.3 | |
| 98 Bromoform | 173 | 8.520 | 8.521 | -0.001 | 96 | 20840 | 20.0 | 20.9 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 98 | 146465 | 20.0 | 21.4 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 97 | 32737 | 20.0 | 20.3 | |
| 101 Isopropylbenzene | 105 | 8.948 | 8.949 | -0.001 | 95 | 215163 | 20.0 | 21.1 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 92 | 70944 | 20.0 | 19.1 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 94 | 152827 | 50.0 | 55.6 | |
| 104 Bromobenzene | 156 | 9.450 | 9.451 | -0.001 | 95 | 60390 | 20.0 | 19.5 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 100 | 241464 | 20.0 | 18.3 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.730 | 9.730 | 0.000 | 98 | 56102 | 20.0 | 17.3 | |
| 107 2-Chlorotoluene | 91 | 9.771 | 9.771 | 0.000 | 96 | 175020 | 20.0 | 18.9 | |
| 108 4-Ethyltoluene | 105 | 9.780 | 9.780 | 0.000 | 98 | 212441 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 97 | 17776 | 20.0 | 18.1 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 175993 | 20.0 | 19.8 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.002 | 0.008 | 88 | 12108 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.043 | 10.043 | 0.000 | 97 | 163770 | 20.0 | 19.1 | |
| 113 tert-Butylbenzene | 119 | 10.413 | 10.422 | -0.009 | 95 | 143649 | 20.0 | 20.2 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 91 | 57714 | 20.0 | 19.9 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.545 | 10.545 | 0.000 | 97 | 186533 | 20.0 | 20.2 | |
| 116 sec-Butylbenzene | 105 | 10.709 | 10.710 | -0.001 | 99 | 205733 | 20.0 | 19.5 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 97 | 113968 | 20.0 | 19.9 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 173852 | 20.0 | 20.1 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 205649 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.137 | 11.138 | -0.001 | 96 | 115452 | 20.0 | 19.1 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 191310 | 20.0 | 19.1 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 95 | 198962 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 97 | 17245 | 20.0 | 20.2 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 94 | 90484 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.565 | 11.566 | -0.001 | 98 | 77185 | 20.0 | 18.1 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 97 | 110864 | 20.0 | 19.7 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 160574 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 95 | 10794 | 20.0 | 21.7 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 97 | 73201 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 67030 | 20.0 | 20.7 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 62 | 20642 | 20.0 | 20.0 | |
| 132 Naphthalene | 128 | 13.104 | 13.105 | -0.001 | 99 | 182126 | 20.0 | 24.9 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 62215 | 20.0 | 21.2 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 41.1 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 38.9 | |

| 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 | 41.9 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 99.9 | |

## QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00076 | Amount Added: 20.00 | Units: uL | | |
| GASES Li_00253 | Amount Added: 20.00 | Units: uL | | |
| ACROLEIN W_00075 | Amount Added: 4.00 | Units: uL | | |
| 8260SURR250_00169 | Amount Added: 1.00 | Units: uL | Run Reagent | |
| 8260ISNEW_00119 | Amount Added: 1.00 | Units: uL | Run Reagent | |

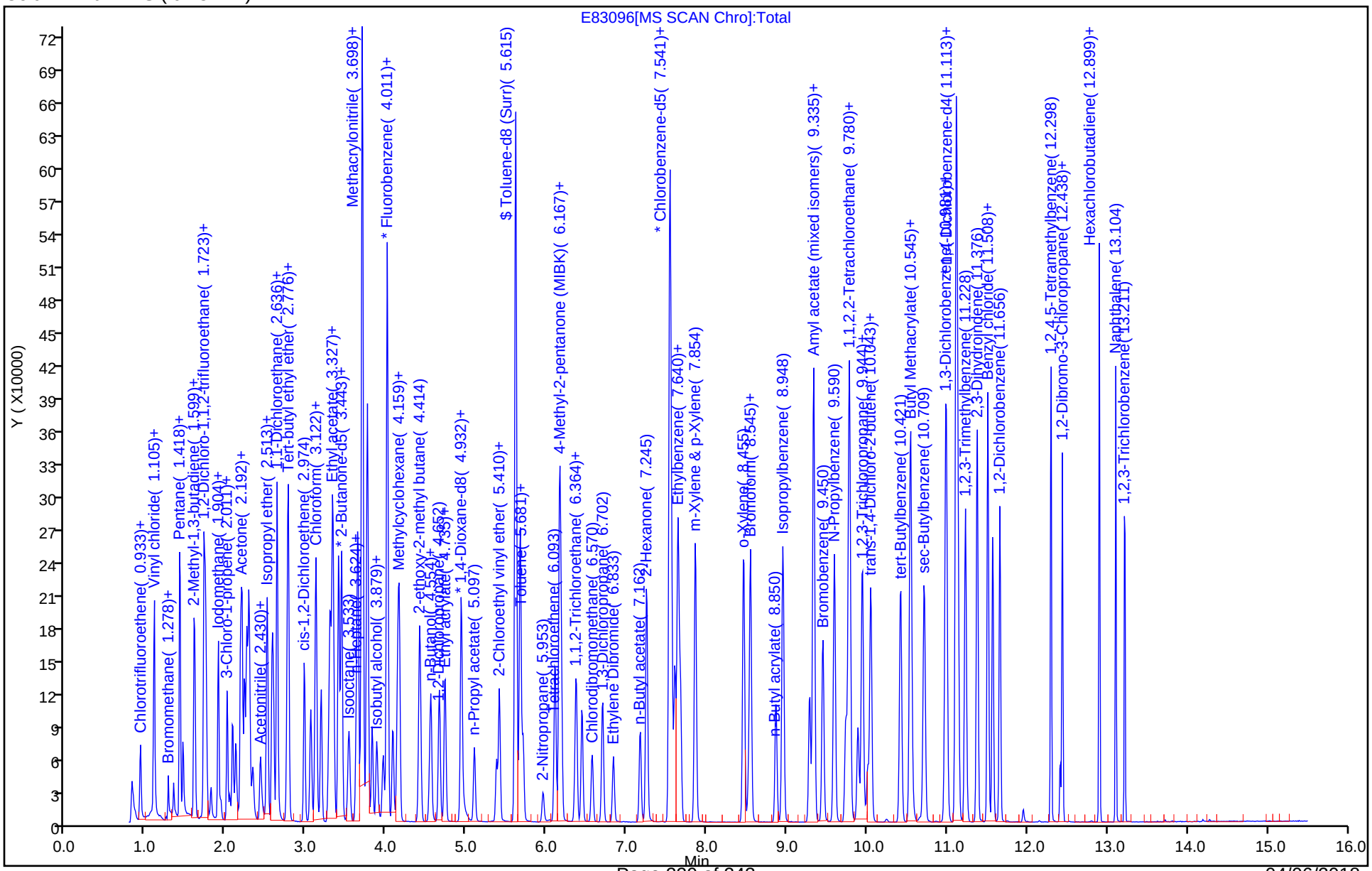
Report Date: 03-Apr-2018 12:55:52 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180403-69754.b\E83096.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 03-Apr-2018 11:58:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | LCSD | | | Worklist Smp#: | 5 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 4 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-152888-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-508329/5

Matrix: Water | Lab File ID: E83147.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/04/2018 10:37

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.: 508329 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 19.4 | | 1.0 | 0.28 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 16.4 | | 1.0 | 0.19 |
| 79-00-5 | 1,1,2-Trichloroethane | 17.8 | | 1.0 | 0.080 |
| 75-34-3 | 1,1-Dichloroethane | 17.7 | | 1.0 | 0.24 |
| 75-35-4 | 1,1-Dichloroethene | 17.6 | | 1.0 | 0.34 |
| 107-06-2 | 1,2-Dichloroethane | 19.5 | | 1.0 | 0.25 |
| 78-87-5 | 1,2-Dichloropropane | 18.4 | | 1.0 | 0.18 |
| 123-91-1 | 1,4-Dioxane | 380 | | 50 | 8.7 |
| 78-93-3 | 2-Butanone | 100 | | 5.0 | 2.2 |
| 591-78-6 | 2-Hexanone | 110 | | 5.0 | 0.72 |
| 108-10-1 | 4-Methyl-2-pentanone | 107 | | 5.0 | 0.63 |
| 67-64-1 | Acetone | 75.4 | | 5.0 | 1.1 |
| 71-43-2 | Benzene | 17.7 | | 1.0 | 0.090 |
| 75-27-4 | Bromodichloromethane | 19.9 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 19.3 | | 1.0 | 0.18 |
| 74-83-9 | Bromomethane | 17.8 | | 1.0 | 0.18 |
| 75-15-0 | Carbon disulfide | 15.2 | | 1.0 | 0.22 |
| 56-23-5 | Carbon tetrachloride | 20.4 | | 1.0 | 0.33 |
| 108-90-7 | Chlorobenzene | 18.1 | | 1.0 | 0.24 |
| 75-00-3 | Chloroethane | 18.6 | | 1.0 | 0.37 |
| 67-66-3 | Chloroform | 19.0 | | 1.0 | 0.22 |
| 74-87-3 | Chloromethane | 15.3 | | 1.0 | 0.22 |
| 156-59-2 | cis-1,2-Dichloroethene | 19.0 | | 1.0 | 0.26 |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.7 | | 1.0 | 0.16 |
| 124-48-1 | Dibromochloromethane | 19.4 | | 1.0 | 0.22 |
| 100-41-4 | Ethylbenzene | 18.5 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.8 | | 1.0 | 0.21 |
| 100-42-5 | Styrene | 19.7 | | 1.0 | 0.17 |
| 127-18-4 | Tetrachloroethene | 18.9 | | 1.0 | 0.12 |
| 108-88-3 | Toluene | 17.8 | | 1.0 | 0.25 |
| 156-60-5 | trans-1,2-Dichloroethene | 18.4 | | 1.0 | 0.18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 18.7 | | 1.0 | 0.19 |
| 79-01-6 | Trichloroethene | 17.9 | | 1.0 | 0.22 |
| 75-01-4 | Vinyl chloride | 17.1 | | 1.0 | 0.060 |
| 1330-20-7 | Xylenes, Total | 38.1 | | 2.0 | 0.28 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-152888-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCSD 460-508329/5

Matrix: Water  Lab File ID: E83147.D

Analysis Method: 624  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 04/04/2018 10:37

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.: 508329  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 106 | | 48-130 |
| 460-00-4 | Bromofluorobenzene | 111 | | 71-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 111 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83147.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 04-Apr-2018 10:37:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0069809-005
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\8260W_5.m
Limit Group: VOA 624 ICAL
Last Update: 04-Apr-2018 11:48:31 Calib Date: 17-Mar-2018 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20180317-68911.b\E82380.D

Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: parekhv Date: 04-Apr-2018 11:48:31

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.924 | 0.925 | -0.001 | 85 | 11754 | NC | NC | |
| 2 Dichlorodifluoromethane | 85 | 0.933 | 0.933 | 0.000 | 100 | 39612 | 20.0 | 15.3 | |
| 3 Vinyl chloride | 62 | 1.097 | 1.097 | 0.000 | 98 | 44571 | 20.0 | 17.1 | |
| 5 Chloromethane | 50 | 1.106 | 1.106 | 0.000 | 75 | 54284 | 20.0 | 15.3 | |
| 4 Butadiene | 54 | 1.106 | 1.106 | 0.000 | 90 | 37064 | 20.0 | 16.2 | |
| 6 Bromomethane | 94 | 1.278 | 1.278 | 0.000 | 98 | 17442 | 20.0 | 17.8 | |
| 7 Chloroethane | 64 | 1.344 | 1.344 | 0.000 | 98 | 14565 | 20.0 | 18.6 | |
| 8 Pentane | 72 | 1.418 | 1.418 | 0.000 | 96 | 9352 | 40.0 | 41.2 | |
| 9 Trichlorofluoromethane | 101 | 1.427 | 1.427 | -0.001 | 98 | 51775 | 20.0 | 20.9 | |
| 10 Dichlorofluoromethane | 67 | 1.459 | 1.459 | 0.000 | 99 | 59260 | NC | NC | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.599 | 1.599 | 0.000 | 97 | 44213 | 20.0 | 16.8 | |
| 13 Ethyl ether | 59 | 1.616 | 1.608 | 0.008 | 95 | 32647 | 20.0 | 18.8 | |
| 12 Ethanol | 46 | 1.706 | 1.715 | -0.009 | 99 | 8460 | 800.0 | 812.6 | |
| 14 1,1-Dichloroethene | 96 | 1.723 | 1.723 | 0.000 | 96 | 33224 | 20.0 | 17.6 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.723 | 1.723 | 0.000 | 85 | 38227 | NC | NC | |
| 17 Carbon disulfide | 76 | 1.739 | 1.739 | 0.000 | 99 | 92612 | 20.0 | 15.2 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 1.747 | 1.747 | 0.000 | 94 | 31493 | 20.0 | 17.9 | |
| 18 Iodomethane | 142 | 1.813 | 1.813 | 0.000 | 97 | 27136 | 20.0 | 19.6 | |
| 19 Cyclopentene | 67 | 1.904 | 1.904 | 0.000 | 95 | 80902 | NC | NC | |
| 20 Acrolein | 56 | 1.937 | 1.937 | 0.000 | 96 | 11826 | 40.0 | 37.7 | |
| 21 3-Chloro-1-propene | 76 | 2.011 | 2.011 | 0.000 | 92 | 20104 | 20.0 | 19.2 | |
| 22 Isopropyl alcohol | 45 | 2.044 | 2.044 | 0.000 | 98 | 25106 | 200.0 | 164.5 | |
| 23 Methylene Chloride | 84 | 2.085 | 2.085 | 0.000 | 85 | 43093 | 20.0 | 17.8 | |
| 24 Acetone | 58 | 2.126 | 2.126 | 0.000 | 87 | 19217 | 100.0 | 75.4 | |
| 25 trans-1,2-Dichloroethene | 96 | 2.184 | 2.184 | 0.000 | 92 | 43092 | 20.0 | 18.4 | |
| 26 Methyl acetate | 74 | 2.200 | 2.200 | 0.000 | 98 | 42341 | 100.0 | 84.5 | |
| 27 Hexane | 86 | 2.233 | 2.233 | 0.000 | 79 | 9134 | 20.0 | 16.4 | |
| 28 Methyl tert-butyl ether | 73 | 2.258 | 2.258 | 0.000 | 94 | 130743 | 20.0 | 20.1 | |
| * 29 TBA-d9 (IS) | 65 | 2.282 | 2.282 | 0.000 | 99 | 215606 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.332 | 2.332 | 0.000 | 99 | 45310 | 200.0 | 177.9 | |
| 31 Acetonitrile | 41 | 2.431 | 2.431 | 0.000 | 100 | 61074 | 200.0 | 159.3 | |

| 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 | 2.513 | 2.513 | 0.000 | 96 | 131594 | 20.0 | 18.6 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.579 | 2.579 | 0.000 | 89 | 37709 | NC | NC | |
| 34 1,1-Dichloroethane | 63 | 2.595 | 2.595 | 0.000 | 100 | 71492 | 20.0 | 17.7 | |
| 35 Acrylonitrile | 53 | 2.636 | 2.636 | 0.000 | 95 | 181929 | 200.0 | 184.3 | |
| 36 Tert-butyl ethyl ether | 59 | 2.768 | 2.768 | 0.000 | 91 | 129535 | NC | NC | |
| 37 Vinyl acetate | 86 | 2.776 | 2.776 | 0.000 | 99 | 20546 | 40.0 | 49.3 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.974 | 2.974 | 0.000 | 100 | 50187 | 20.0 | 19.0 | |
| 39 2,2-Dichloropropane | 77 | 3.056 | 3.056 | 0.000 | 98 | 49454 | 20.0 | 18.4 | |
| 40 Cyclohexane | 56 | 3.122 | 3.122 | 0.000 | 89 | 60702 | 20.0 | 18.5 | |
| 41 Chlorobromomethane | 128 | 3.130 | 3.122 | 0.008 | 88 | 24702 | 20.0 | 20.6 | |
| 42 Chloroform | 83 | 3.188 | 3.188 | 0.000 | 99 | 73385 | 20.0 | 19.0 | |
| 43 Carbon tetrachloride | 117 | 3.286 | 3.286 | 0.000 | 98 | 39010 | 20.0 | 20.4 | |
| 45 Ethyl acetate | 70 | 3.303 | 3.295 | 0.008 | 99 | 12126 | 40.0 | 41.6 | |
| 44 Methyl acrylate | 55 | 3.303 | 3.303 | 0.000 | 61 | 43090 | NC | NC | |
| 46 Tetrahydrofuran | 42 | 3.311 | 3.311 | 0.000 | 93 | 36745 | 40.0 | 40.6 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 3.328 | 3.328 | 0.000 | 98 | 107454 | 50.0 | 55.6 | |
| 48 1,1,1-Trichloroethane | 97 | 3.344 | 3.344 | 0.000 | 95 | 56296 | 20.0 | 19.4 | |
| * 49 2-Butanone-d5 | 46 | 3.402 | 3.402 | 0.000 | 100 | 244714 | 250.0 | 250.0 | |
| 51 1,1-Dichloropropene | 75 | 3.443 | 3.443 | 0.000 | 73 | 56975 | 20.0 | 18.7 | |
| 50 2-Butanone (MEK) | 72 | 3.443 | 3.443 | 0.000 | 97 | 32604 | 100.0 | 100.3 | |
| 52 Isooctane | 57 | 3.533 | 3.533 | 0.000 | 100 | 72832 | NC | NC | |
| 53 n-Heptane | 57 | 3.624 | 3.632 | -0.008 | 90 | 17420 | 20.0 | 16.7 | |
| 54 Benzene | 78 | 3.649 | 3.649 | 0.000 | 94 | 184197 | 20.0 | 17.7 | |
| 55 Propionitrile | 54 | 3.690 | 3.690 | 0.000 | 96 | 71176 | NC | NC | |
| 56 Methacrylonitrile | 67 | 3.698 | 3.698 | 0.000 | 89 | 221121 | NC | NC | |
| 58 Tert-amyl methyl ether | 73 | 3.764 | 3.764 | 0.000 | 97 | 125838 | NC | NC | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.764 | 3.764 | 0.000 | 95 | 123614 | 50.0 | 52.9 | |
| 59 1,2-Dichloroethane | 62 | 3.821 | 3.821 | 0.000 | 98 | 57047 | 20.0 | 19.5 | |
| 60 Isobutyl alcohol | 43 | 3.879 | 3.879 | 0.000 | 96 | 43733 | NC | NC | |
| 63 t-Amyl alcohol | 59 | 3.961 | 3.961 | 0.000 | 93 | 31771 | NC | NC | |
| * 61 Fluorobenzene | 96 | 4.011 | 4.011 | 0.000 | 100 | 441354 | 50.0 | 50.0 | |
| 62 Isopropyl acetate | 43 | 4.085 | 4.085 | 0.000 | 99 | 77381 | 20.0 | 19.0 | |
| 64 Methylcyclohexane | 83 | 4.142 | 4.142 | 0.000 | 94 | 56849 | 20.0 | 18.0 | |
| 65 Trichloroethene | 95 | 4.159 | 4.159 | 0.000 | 97 | 44048 | 20.0 | 17.9 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.414 | 4.414 | 0.000 | 97 | 93953 | NC | NC | |
| 68 n-Butanol | 56 | 4.537 | 4.546 | -0.009 | 86 | 29402 | 500.0 | 448.4 | |
| 67 Dibromomethane | 93 | 4.554 | 4.554 | 0.000 | 96 | 28561 | 20.0 | 20.4 | |
| 69 1,2-Dichloropropane | 63 | 4.661 | 4.661 | 0.000 | 90 | 43254 | 20.0 | 18.4 | |
| 71 Ethyl acrylate | 55 | 4.727 | 4.727 | 0.000 | 98 | 56217 | 20.0 | 19.7 | |
| 70 Dichlorobromomethane | 83 | 4.735 | 4.735 | 0.000 | 99 | 47987 | 20.0 | 19.9 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.932 | 4.932 | 0.000 | 97 | 29076 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.941 | 4.932 | 0.009 | 87 | 30746 | 40.0 | 43.3 | |
| 74 1,4-Dioxane | 88 | 4.957 | 4.957 | 0.000 | 89 | 13935 | 400.0 | 379.7 | |
| 75 n-Propyl acetate | 43 | 5.097 | 5.097 | 0.000 | 97 | 59627 | 20.0 | 18.7 | |
| 76 2-Chloroethyl vinyl ether | 63 | 5.377 | 5.377 | 0.000 | 96 | 24066 | 20.0 | 19.3 | |
| 77 cis-1,3-Dichloropropene | 75 | 5.410 | 5.410 | 0.000 | 90 | 68044 | 20.0 | 18.7 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.615 | 5.615 | 0.000 | 100 | 468015 | 50.0 | 48.9 | |
| 79 Toluene | 91 | 5.673 | 5.673 | 0.000 | 93 | 198894 | 20.0 | 17.8 | |
| 80 Epichlorohydrin | 57 | 5.706 | 5.706 | 0.000 | 99 | 69656 | 400.0 | 451.8 | |
| 81 2-Nitropropane | 41 | 5.961 | 5.953 | 0.008 | 97 | 15205 | NC | NC | |
| 82 Tetrachloroethene | 166 | 6.109 | 6.109 | 0.000 | 97 | 49132 | 20.0 | 18.9 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 6.167 | 6.167 | 0.000 | 95 | 212726 | 100.0 | 107.0 | |

| 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 | 6.183 | 6.183 | 0.000 | 98 | 61513 | 20.0 | 18.7 | |
| 85 1,1,2-Trichloroethane | 83 | 6.373 | 6.373 | 0.000 | 96 | 36149 | 20.0 | 17.8 | |
| 86 Ethyl methacrylate | 69 | 6.447 | 6.438 | 0.009 | 88 | 57773 | NC | NC | |
| 87 Chlorodibromomethane | 129 | 6.570 | 6.570 | 0.000 | 98 | 34761 | 20.0 | 19.4 | |
| 88 1,3-Dichloropropane | 76 | 6.702 | 6.702 | 0.000 | 91 | 74501 | 20.0 | 17.9 | |
| 89 Ethylene Dibromide | 107 | 6.833 | 6.833 | 0.000 | 99 | 43001 | 20.0 | 18.2 | |
| 90 n-Butyl acetate | 43 | 7.171 | 7.171 | 0.000 | 98 | 60530 | 20.0 | 18.2 | |
| 91 2-Hexanone | 43 | 7.245 | 7.245 | 0.000 | 94 | 150715 | 100.0 | 109.9 | |
| * 92 Chlorobenzene-d5 | 117 | 7.541 | 7.541 | 0.000 | 87 | 376178 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.558 | 7.558 | 0.000 | 96 | 132209 | 20.0 | 18.1 | |
| 94 Ethylbenzene | 106 | 7.640 | 7.640 | 0.000 | 97 | 69724 | 20.0 | 18.5 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.673 | 7.673 | 0.000 | 94 | 38561 | 20.0 | 19.5 | |
| 96 m-Xylene & p-Xylene | 106 | 7.854 | 7.854 | 0.000 | 95 | 85272 | 20.0 | 19.0 | |
| 97 o-Xylene | 106 | 8.463 | 8.463 | 0.000 | 95 | 80239 | 20.0 | 19.1 | |
| 98 Bromoform | 173 | 8.521 | 8.521 | -0.001 | 96 | 19690 | 20.0 | 19.3 | |
| 99 Styrene | 104 | 8.545 | 8.545 | 0.000 | 97 | 138034 | 20.0 | 19.7 | |
| 100 n-Butyl acrylate | 73 | 8.866 | 8.866 | 0.000 | 98 | 31199 | 20.0 | 18.9 | |
| 101 Isopropylbenzene | 105 | 8.948 | 8.948 | 0.000 | 95 | 200820 | 20.0 | 19.2 | |
| 102 Amyl acetate (mixed isomer | 43 | 9.286 | 9.286 | 0.000 | 92 | 68939 | 20.0 | 18.2 | |
| $ 103 4-Bromofluorobenzene | 174 | 9.335 | 9.335 | 0.000 | 0 | 157109 | 50.0 | 55.7 | |
| 104 Bromobenzene | 156 | 9.450 | 9.450 | 0.000 | 95 | 58789 | 20.0 | 18.5 | |
| 105 N-Propylbenzene | 91 | 9.590 | 9.590 | 0.000 | 99 | 224191 | 20.0 | 16.6 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.730 | 9.739 | -0.009 | 98 | 54433 | 20.0 | 16.4 | |
| 107 2-Chlorotoluene | 91 | 9.771 | 9.771 | 0.000 | 96 | 165658 | 20.0 | 17.5 | |
| 108 4-Ethyltoluene | 105 | 9.788 | 9.788 | 0.000 | 98 | 198036 | NC | NC | |
| 109 1,2,3-Trichloropropane | 110 | 9.887 | 9.887 | 0.000 | 97 | 17628 | 20.0 | 17.5 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.944 | 9.944 | 0.000 | 94 | 161070 | 20.0 | 17.7 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 10.010 | 10.010 | 0.000 | 85 | 13191 | NC | NC | |
| 112 4-Chlorotoluene | 91 | 10.043 | 10.043 | 0.000 | 97 | 155768 | 20.0 | 17.8 | |
| 113 tert-Butylbenzene | 119 | 10.422 | 10.422 | 0.000 | 96 | 130057 | 20.0 | 17.9 | |
| 115 Butyl Methacrylate | 87 | 10.537 | 10.537 | 0.000 | 90 | 54680 | 20.0 | 18.5 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.545 | 10.545 | 0.000 | 97 | 175889 | 20.0 | 18.6 | |
| 116 sec-Butylbenzene | 105 | 10.710 | 10.718 | -0.008 | 99 | 184528 | 20.0 | 17.1 | |
| 117 1,3-Dichlorobenzene | 146 | 10.981 | 10.981 | 0.000 | 98 | 107332 | 20.0 | 18.3 | |
| 118 4-Isopropyltoluene | 119 | 10.989 | 10.989 | 0.000 | 98 | 157192 | 20.0 | 17.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 11.113 | 11.113 | 0.000 | 94 | 210407 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 11.138 | 11.138 | 0.000 | 96 | 110016 | 20.0 | 17.8 | |
| 121 1,2,3-Trimethylbenzene | 105 | 11.228 | 11.228 | 0.000 | 0 | 176860 | 20.0 | 17.3 | |
| 122 2,3-Dihydroindene | 117 | 11.376 | 11.376 | 0.000 | 94 | 189385 | NC | NC | |
| 123 Benzyl chloride | 126 | 11.508 | 11.508 | 0.000 | 97 | 16793 | 20.0 | 19.2 | |
| 124 p-Diethylbenzene | 119 | 11.508 | 11.508 | 0.000 | 78 | 82005 | NC | NC | |
| 125 n-Butylbenzene | 92 | 11.565 | 11.566 | -0.001 | 98 | 69761 | 20.0 | 16.0 | |
| 126 1,2-Dichlorobenzene | 146 | 11.656 | 11.656 | 0.000 | 98 | 107502 | 20.0 | 18.7 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.298 | 12.298 | 0.000 | 98 | 141147 | NC | NC | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.413 | 12.413 | 0.000 | 94 | 10374 | 20.0 | 20.4 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.438 | 12.438 | 0.000 | 97 | 67504 | NC | NC | |
| 130 1,2,4-Trichlorobenzene | 180 | 12.899 | 12.899 | 0.000 | 94 | 62056 | 20.0 | 18.8 | |
| 131 Hexachlorobutadiene | 225 | 12.899 | 12.899 | 0.000 | 61 | 19677 | 20.0 | 18.6 | |
| 132 Naphthalene | 128 | 13.104 | 13.104 | 0.000 | 99 | 171719 | 20.0 | 22.9 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.220 | 13.220 | 0.000 | 96 | 58761 | 20.0 | 19.6 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 37.3 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 37.4 | |

| 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 | 38.1 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 92.0 | |

## QC Flag Legend

Processing Flags

NC - Not Calibrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00076 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00254 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00075 | Amount Added: | 4.00 | Units: uL | |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |

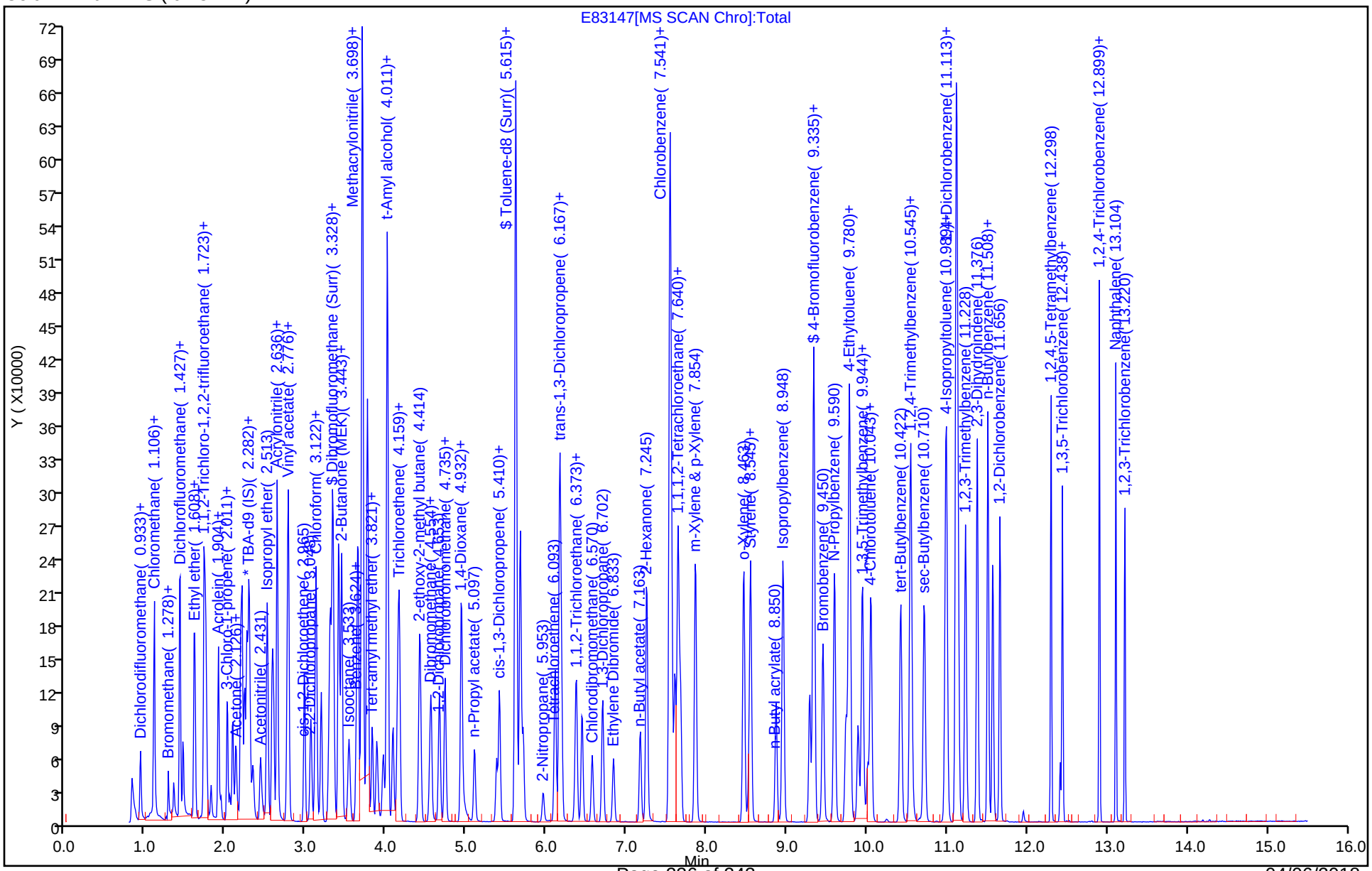
Report Date: 04-Apr-2018 11:48:36 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20180404-69809.b\E83147.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 04-Apr-2018 10:37:30 | Instrument ID: | CVOAMS5 | Operator ID: | |
| Lims ID: | LCSD | | | Worklist Smp#: | 5 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 4 |
| Method: | 8260W_5 | Limit Group: | VOA 624 ICAL | | |

Column: Rtx-VMS ( 0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Instrument ID: CVOAMS5 Start Date: 03/17/2018 04:11

Analysis Batch Number: 504243 End Date: 03/17/2018 14:12

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-504243/1 | | 03/17/2018 04:11 | 1 | E82367.D | Rtx-VMS 0.18(mm) |
| STD8 460-504243/2 IC | | 03/17/2018 04:53 | 1 | E82368.D | Rtx-VMS 0.18(mm) |
| STD5 460-504243/5 IC | | 03/17/2018 06:13 | 1 | E82371.D | Rtx-VMS 0.18(mm) |
| STD20 460-504243/6 ICIS | | 03/17/2018 06:39 | 1 | E82372.D | Rtx-VMS 0.18(mm) |
| STD50 460-504243/7 IC | | 03/17/2018 07:06 | 1 | E82373.D | Rtx-VMS 0.18(mm) |
| STD200 460-504243/8 IC | | 03/17/2018 07:33 | 1 | E82374.D | Rtx-VMS 0.18(mm) |
| STD500 460-504243/9 IC | | 03/17/2018 07:59 | 1 | E82375.D | Rtx-VMS 0.18(mm) |
| STD1 460-504243/14 IC | | 03/17/2018 12:52 | 1 | E82380.D | Rtx-VMS 0.18(mm) |
| ICV 460-504243/17 | | 03/17/2018 14:12 | 1 | | Rtx-VMS 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Instrument ID: CVOAMS5 Start Date: 04/03/2018 10:23

Analysis Batch Number: 508038 End Date: 04/04/2018 08:07

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-508038/1 | | 04/03/2018 10:23 | 1 | E83092.D | Rtx-VMS 0.18(mm) |
| CCVIS 460-508038/3 | | 04/03/2018 11:05 | 1 | E83094.D | Rtx-VMS 0.18(mm) |
| LCS 460-508038/4 | | 04/03/2018 11:31 | 1 | E83095.D | Rtx-VMS 0.18(mm) |
| LCSD 460-508038/5 | | 04/03/2018 11:58 | 1 | E83096.D | Rtx-VMS 0.18(mm) |
| MB 460-508038/8 | | 04/03/2018 13:18 | 1 | E83099.D | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/03/2018 17:53 | 1000 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/03/2018 22:47 | 1 | | Rtx-VMS 0.18(mm) |
| 460-152888-1 | | 04/03/2018 23:14 | 1 | E83121.D | Rtx-VMS 0.18(mm) |
| 460-152888-2 | | 04/03/2018 23:40 | 1 | E83122.D | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 00:07 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 00:34 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 01:00 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 01:27 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 01:53 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 02:20 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 02:47 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 03:40 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 04:07 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 04:33 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 05:00 | 2 | | Rtx-VMS 0.18(mm) |
| 460-152888-3 | | 04/04/2018 05:53 | 1 | E83136.D | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 07:40 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 08:07 | 1 | | Rtx-VMS 0.18(mm) |

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GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-152888-1

SDG No.:

Instrument ID: CVOAMS5 Start Date: 04/04/2018 08:56

Analysis Batch Number: 508329 End Date: 04/04/2018 14:48

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-508329/1 | | 04/04/2018 08:56 | 1 | E83143.D | Rtx-VMS 0.18(mm) |
| CCVIS 460-508329/3 | | 04/04/2018 09:43 | 1 | E83145.D | Rtx-VMS 0.18(mm) |
| LCS 460-508329/4 | | 04/04/2018 10:10 | 1 | E83146.D | Rtx-VMS 0.18(mm) |
| LCSD 460-508329/5 | | 04/04/2018 10:37 | 1 | E83147.D | Rtx-VMS 0.18(mm) |
| MB 460-508329/8 | | 04/04/2018 11:57 | 1 | E83150.D | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 13:28 | 1 | | Rtx-VMS 0.18(mm) |
| ZZZZZ | | 04/04/2018 13:55 | 1 | | Rtx-VMS 0.18(mm) |
| 460-152888-5 | | 04/04/2018 14:22 | 1 | E83154.D | Rtx-VMS 0.18(mm) |
| 460-152888-4 | | 04/04/2018 14:48 | 5 | E83155.D | Rtx-VMS 0.18(mm) |

624

# 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



| | | |
|---|---|---|
| Name ( for report and invoice ) Bruce Manganiello | Samplers Name ( Printed ) N.M. | Site/Project Identification 1192- SAGWM 2018 |
| 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 0990 Fax 9088740920 | | |

| Sample Identification | Date | Time | Matrix | No. of Cont. | TCL VOA + 15 TICs w/ Search for MIBK + Dioxane 1,4- | | | | | | | | | | LAB USE ONLY Project No: Job No: 152888 Sample Numbers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TB | 3/28/18 | — | AQ | 2 | X | | | | | | | | | | 1 |
| FB | 3/29/18 | 0835 | ↓ | ↓ | X | | | | | | | | | | 2 |
| MW-36 | | 0940 | GW | 3 | X | | | | | | | | | | 3 |
| MW-31 | | 0925 | | | X | | | | | | | | | | 4 |
| MW-71 | ↓ | 0950 | ↓ | ↓ | X | | | | | | | | | | 5 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

460-152888 Chain of Custody

**Preservation Used:** 1 = ICE, 2 = HCl, 3 = $H_2SO_4$, 4 = $HNO_3$, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water: 4/2

**Special Instructions** Water Metals Filtered (Yes/No)? _____

| Relinquished by | Company | Date / Time | Received by | Company |
|---|---|---|---|---|
| | ECM | 3/29/18 1110 | 1) Dana Fernandez | TA edison 3/29/18 11:10 |
| Relinquished by 2) | Company | Date / Time | Received by 2) | Company |
| Relinquished by 3) | Company | Date / Time | Received by 3) | Company |
| Relinquished by 4) | Company | Date / Time | Received by 4) | Company |

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578)

IR # 11 4.1 °C

# TestAmerica Edison
## Receipt Temperature and pH Log

Page ____ of ____

Job Number: 152888

Number of Coolers: 1 IR Gun # 11

### Cooler Temperatures

| | RAW | CORRECTED | | RAW | CORRECTED | | RAW | CORRECTED |
|---|---|---|---|---|---|---|---|---|
| Cooler #1: | 4.1 °C | 4.2 °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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
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**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:** 3/29/14

# Login Sample Receipt Checklist

Client: ECM, Inc.

Job Number: 460-152888-1

**Login Number: 152888**
**List Number: 1**
**Creator: Rivera, Kenneth**

**List Source: TestAmerica Edison**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | 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 | |
| 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 | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-158398-1

Job Description: 1192 - Stony Point 6/2018

For:
ECM, Inc.
PO Box 427
Neshanic Station, NJ 08853

Attention: Mr. Bruce Manganiello



Approved for release.
Grace Chang
Project Manager II
6/28/2018 8:42 AM

Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
06/28/2018

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 - Stony Point 6/2018

## Report Number: 460-158398-1

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 6/15/2018 11:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º 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 TB (460-158398-1), FB (460-158398-2), MW-43 (460-158398-3) and MW-54 (460-158398-4) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 06/24/2018 and 06/25/2018.

Carbon disulfide was detected in method blank MB 460-530435/8 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. Carbon disulfide was detected in method blank MB 460-530535/8 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.

2-Hexanone and 4-Methyl-2-pentanone failed the recovery criteria low for LCS 460-530435/4. 2-Hexanone and 4-Methyl-2-pentanone failed the recovery criteria low for LCS 460-530535/4. 2-Hexanone and 4-Methyl-2-pentanone failed the recovery criteria low for LCSD 460-530435/5. 2-Hexanone and 4-Methyl-2-pentanone failed the recovery criteria low for LCSD 460-530535/5. Refer to the QC report for details.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-530435 recovered outside control limits for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone. These analytes were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-530535 was outside the method criteria for the following analytes: 1,4-Dioxane and 1,2-Dichloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-530535 recovered outside control limits for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone.

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 - Stony Point 6/2018

TestAmerica Job ID: 460-158398-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 460-158398-1 | TB | Water | 06/14/18 00:00 | 06/15/18 11:50 |
| 460-158398-2 | FB | Water | 06/15/18 08:25 | 06/15/18 11:50 |
| 460-158398-3 | MW-43 | Water | 06/15/18 08:35 | 06/15/18 11:50 |
| 460-158398-4 | MW-54 | Water | 06/15/18 10:30 | 06/15/18 11:50 |

# Detection Summary

Client: ECM, Inc.
Project/Site: 1192 - Stony Point 6/2018

TestAmerica Job ID: 460-158398-1

## Client Sample ID: TB — Lab Sample ID: 460-158398-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Carbon disulfide | 0.45 | J B | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: FB — Lab Sample ID: 460-158398-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Carbon disulfide | 0.41 | J B | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-43 — Lab Sample ID: 460-158398-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | 0.69 | J | 1.0 | 0.43 | ug/L | 1 | | 8260C | Total/NA |
| Chlorobenzene | 4.2 | | 1.0 | 0.38 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-54 — Lab Sample ID: 460-158398-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Carbon disulfide | 0.39 | J B | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |
| Tetrachloroethene | 7.7 | | 1.0 | 0.25 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: ECM, Inc.
Project/Site: 1192 - Stony Point 6/2018

TestAmerica Job ID: 460-158398-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL EDI |
| 5030C | Purge and Trap | 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: TB

**Date Collected: 06/14/18 00:00**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-1

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 00:33 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 06/24/18 00:33 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 00:33 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 06/24/18 00:33 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 06/24/18 00:33 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 00:33 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 06/24/18 00:33 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 06/24/18 00:33 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 06/24/18 00:33 | 1 |
| 2-Hexanone | 2.9 | U * | 5.0 | 2.9 | ug/L | | | 06/24/18 00:33 | 1 |
| 4-Methyl-2-pentanone | 2.7 | U * | 5.0 | 2.7 | ug/L | | | 06/24/18 00:33 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 06/24/18 00:33 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 00:33 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 06/24/18 00:33 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 06/24/18 00:33 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 06/24/18 00:33 | 1 |
| **Carbon disulfide** | **0.45** | **J B** | 1.0 | 0.16 | ug/L | | | 06/24/18 00:33 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 06/24/18 00:33 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 00:33 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 00:33 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 06/24/18 00:33 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 06/24/18 00:33 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 06/24/18 00:33 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 06/24/18 00:33 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 06/24/18 00:33 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 06/24/18 00:33 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 00:33 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 06/24/18 00:33 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 06/24/18 00:33 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 00:33 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 00:33 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 06/24/18 00:33 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 06/24/18 00:33 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 06/24/18 00:33 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 06/24/18 00:33 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *06/24/18 00:33* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *74 - 132* | | *06/24/18 00:33* | *1* |
| *Bromofluorobenzene* | *98* | | *77 - 124* | | *06/24/18 00:33* | *1* |
| *Dibromofluoromethane (Surr)* | *105* | | *72 - 131* | | *06/24/18 00:33* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *06/24/18 00:33* | *1* |

## Client Sample ID: FB

**Date Collected: 06/15/18 08:25**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-2

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 00:56 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 06/24/18 00:56 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 00:56 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 06/24/18 00:56 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 06/24/18 00:56 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 00:56 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 06/24/18 00:56 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 06/24/18 00:56 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 06/24/18 00:56 | 1 |
| 2-Hexanone | 2.9 | U * | 5.0 | 2.9 | ug/L | | | 06/24/18 00:56 | 1 |
| 4-Methyl-2-pentanone | 2.7 | U * | 5.0 | 2.7 | ug/L | | | 06/24/18 00:56 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 06/24/18 00:56 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 00:56 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 06/24/18 00:56 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 06/24/18 00:56 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 06/24/18 00:56 | 1 |
| **Carbon disulfide** | **0.41** | **J B** | 1.0 | 0.16 | ug/L | | | 06/24/18 00:56 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 06/24/18 00:56 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 00:56 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 00:56 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 06/24/18 00:56 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 06/24/18 00:56 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 06/24/18 00:56 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 06/24/18 00:56 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 06/24/18 00:56 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 06/24/18 00:56 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 00:56 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 06/24/18 00:56 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 06/24/18 00:56 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 00:56 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 00:56 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 06/24/18 00:56 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 06/24/18 00:56 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 06/24/18 00:56 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 06/24/18 00:56 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *06/24/18 00:56* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *74 - 132* | | *06/24/18 00:56* | *1* |
| *Bromofluorobenzene* | *103* | | *77 - 124* | | *06/24/18 00:56* | *1* |
| *Dibromofluoromethane (Surr)* | *104* | | *72 - 131* | | *06/24/18 00:56* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *06/24/18 00:56* | *1* |

## Client Sample ID: MW-43

**Date Collected: 06/15/18 08:35**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-3

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/25/18 10:58 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 06/25/18 10:58 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/25/18 10:58 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 06/25/18 10:58 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 06/25/18 10:58 | 1 |
| **1,2-Dichloroethane** | **0.69** | **J** | 1.0 | 0.43 | ug/L | | | 06/25/18 10:58 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 06/25/18 10:58 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 06/25/18 10:58 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 06/25/18 10:58 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 06/25/18 10:58 | 1 |
| 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 | ug/L | | | 06/25/18 10:58 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 06/25/18 10:58 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/25/18 10:58 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 06/25/18 10:58 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 06/25/18 10:58 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 06/25/18 10:58 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 06/25/18 10:58 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 06/25/18 10:58 | 1 |
| **Chlorobenzene** | **4.2** | | 1.0 | 0.38 | ug/L | | | 06/25/18 10:58 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/25/18 10:58 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 06/25/18 10:58 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 06/25/18 10:58 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 06/25/18 10:58 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 06/25/18 10:58 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 06/25/18 10:58 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 06/25/18 10:58 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/25/18 10:58 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 06/25/18 10:58 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 06/25/18 10:58 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/25/18 10:58 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/25/18 10:58 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 06/25/18 10:58 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 06/25/18 10:58 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 06/25/18 10:58 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 06/25/18 10:58 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *06/25/18 10:58* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *74 - 132* | | *06/25/18 10:58* | *1* |
| *Bromofluorobenzene* | *102* | | *77 - 124* | | *06/25/18 10:58* | *1* |
| *Dibromofluoromethane (Surr)* | *108* | | *72 - 131* | | *06/25/18 10:58* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *80 - 120* | | *06/25/18 10:58* | *1* |

## Client Sample ID: MW-54

**Date Collected: 06/15/18 10:30**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-4

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 11:35 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 06/24/18 11:35 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 11:35 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 06/24/18 11:35 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 06/24/18 11:35 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 11:35 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 06/24/18 11:35 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 06/24/18 11:35 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 06/24/18 11:35 | 1 |
| 2-Hexanone | 2.9 | U * | 5.0 | 2.9 | ug/L | | | 06/24/18 11:35 | 1 |
| 4-Methyl-2-pentanone | 2.7 | U * | 5.0 | 2.7 | ug/L | | | 06/24/18 11:35 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 06/24/18 11:35 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 11:35 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 06/24/18 11:35 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 06/24/18 11:35 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 06/24/18 11:35 | 1 |
| **Carbon disulfide** | **0.39** | **J B** | 1.0 | 0.16 | ug/L | | | 06/24/18 11:35 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 06/24/18 11:35 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 11:35 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 11:35 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 06/24/18 11:35 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 06/24/18 11:35 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 06/24/18 11:35 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 06/24/18 11:35 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 06/24/18 11:35 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 06/24/18 11:35 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 11:35 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 06/24/18 11:35 | 1 |
| **Tetrachloroethene** | **7.7** | | 1.0 | 0.25 | ug/L | | | 06/24/18 11:35 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 11:35 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 11:35 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 06/24/18 11:35 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 06/24/18 11:35 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 06/24/18 11:35 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 06/24/18 11:35 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *06/24/18 11:35* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *74 - 132* | | *06/24/18 11:35* | *1* |
| *Bromofluorobenzene* | *100* | | *77 - 124* | | *06/24/18 11:35* | *1* |
| *Dibromofluoromethane (Surr)* | *107* | | *72 - 131* | | *06/24/18 11:35* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *06/24/18 11:35* | *1* |

# Surrogate Summary

Client: ECM, Inc.
Project/Site: 1192 - Stony Point 6/2018

TestAmerica Job ID: 460-158398-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | DCA | BFB | DBFM | TOL |
| Lab Sample ID | Client Sample ID | (74-132) | (77-124) | (72-131) | (80-120) |
| 460-158398-1 | TB | 93 | 98 | 105 | 96 |
| 460-158398-2 | FB | 89 | 103 | 104 | 97 |
| 460-158398-3 | MW-43 | 91 | 102 | 108 | 95 |
| 460-158398-4 | MW-54 | 94 | 100 | 107 | 96 |
| LCS 460-530435/4 | Lab Control Sample | 92 | 100 | 100 | 98 |
| LCS 460-530535/4 | Lab Control Sample | 94 | 101 | 104 | 96 |
| LCS 460-530664/4 | Lab Control Sample | 93 | 104 | 102 | 100 |
| LCSD 460-530435/5 | Lab Control Sample Dup | 92 | 99 | 99 | 96 |
| LCSD 460-530535/5 | Lab Control Sample Dup | 90 | 101 | 102 | 97 |
| LCSD 460-530664/5 | Lab Control Sample Dup | 89 | 104 | 97 | 96 |
| MB 460-530435/8 | Method Blank | 98 | 102 | 108 | 97 |
| MB 460-530535/8 | Method Blank | 94 | 101 | 104 | 96 |
| MB 460-530664/9 | Method Blank | 95 | 104 | 109 | 98 |

**Surrogate Legend**

DCA = 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 460-530435/8**
**Matrix: Water**
**Analysis Batch: 530435**

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/23/18 23:22 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 06/23/18 23:22 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/23/18 23:22 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 06/23/18 23:22 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 06/23/18 23:22 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/23/18 23:22 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 06/23/18 23:22 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 06/23/18 23:22 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 06/23/18 23:22 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 06/23/18 23:22 | 1 |
| 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 | ug/L | | | 06/23/18 23:22 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 06/23/18 23:22 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/23/18 23:22 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 06/23/18 23:22 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 06/23/18 23:22 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 06/23/18 23:22 | 1 |
| Carbon disulfide | 0.441 | J | 1.0 | 0.16 | ug/L | | | 06/23/18 23:22 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 06/23/18 23:22 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/23/18 23:22 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/23/18 23:22 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 06/23/18 23:22 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 06/23/18 23:22 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 06/23/18 23:22 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 06/23/18 23:22 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 06/23/18 23:22 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 06/23/18 23:22 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/23/18 23:22 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 06/23/18 23:22 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 06/23/18 23:22 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/23/18 23:22 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/23/18 23:22 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 06/23/18 23:22 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 06/23/18 23:22 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 06/23/18 23:22 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 06/23/18 23:22 | 1 |

| *Tentatively Identified Compound* | *MB Est. Result* | *MB Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *06/23/18 23:22* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *74 - 132* | | *06/23/18 23:22* | *1* |
| *Bromofluorobenzene* | *102* | | *77 - 124* | | *06/23/18 23:22* | *1* |
| *Dibromofluoromethane (Surr)* | *108* | | *72 - 131* | | *06/23/18 23:22* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *06/23/18 23:22* | *1* |

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

**Lab Sample ID: LCS 460-530435/4**
**Matrix: Water**
**Analysis Batch: 530435**

**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 | 15.7 | | ug/L | | 78 | 75 - 125 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.4 | | ug/L | | 87 | 74 - 120 |
| 1,1,2-Trichloroethane | 20.0 | 16.6 | | ug/L | | 83 | 78 - 120 |
| 1,1-Dichloroethane | 20.0 | 17.1 | | ug/L | | 86 | 77 - 123 |
| 1,1-Dichloroethene | 20.0 | 16.3 | | ug/L | | 82 | 74 - 123 |
| 1,2-Dichloroethane | 20.0 | 15.7 | | ug/L | | 79 | 76 - 121 |
| 1,2-Dichloropropane | 20.0 | 17.8 | | ug/L | | 89 | 77 - 123 |
| 1,4-Dioxane | 400 | 257 | | ug/L | | 64 | 10 - 150 |
| 2-Butanone | 100 | 71.2 | | ug/L | | 71 | 64 - 120 |
| 2-Hexanone | 100 | 65.6 | * | ug/L | | 66 | 71 - 125 |
| 4-Methyl-2-pentanone | 100 | 69.9 | * | ug/L | | 70 | 78 - 124 |
| Acetone | 100 | 64.2 | | ug/L | | 64 | 39 - 150 |
| Benzene | 20.0 | 17.0 | | ug/L | | 85 | 77 - 121 |
| Bromodichloromethane | 20.0 | 16.1 | | ug/L | | 80 | 76 - 120 |
| Bromoform | 20.0 | 16.0 | | ug/L | | 80 | 53 - 120 |
| Bromomethane | 20.0 | 16.0 | | ug/L | | 80 | 10 - 150 |
| Carbon disulfide | 20.0 | 17.1 | | ug/L | | 85 | 69 - 133 |
| Carbon tetrachloride | 20.0 | 15.8 | | ug/L | | 79 | 70 - 132 |
| Chlorobenzene | 20.0 | 16.4 | | ug/L | | 82 | 80 - 120 |
| Chloroethane | 20.0 | 17.1 | | ug/L | | 85 | 52 - 150 |
| Chloroform | 20.0 | 16.9 | | ug/L | | 85 | 80 - 120 |
| Chloromethane | 20.0 | 16.3 | | ug/L | | 81 | 56 - 131 |
| cis-1,2-Dichloroethene | 20.0 | 17.4 | | ug/L | | 87 | 80 - 120 |
| cis-1,3-Dichloropropene | 20.0 | 16.3 | | ug/L | | 81 | 77 - 120 |
| Dibromochloromethane | 20.0 | 15.8 | | ug/L | | 79 | 73 - 120 |
| Ethylbenzene | 20.0 | 16.1 | | ug/L | | 81 | 80 - 120 |
| Methylene Chloride | 20.0 | 17.6 | | ug/L | | 88 | 77 - 123 |
| Styrene | 20.0 | 17.5 | | ug/L | | 88 | 80 - 120 |
| Tetrachloroethene | 20.0 | 15.9 | | ug/L | | 80 | 78 - 122 |
| Toluene | 20.0 | 16.5 | | ug/L | | 82 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 16.5 | | ug/L | | 83 | 79 - 120 |
| trans-1,3-Dichloropropene | 20.0 | 16.2 | | ug/L | | 81 | 76 - 120 |
| Trichloroethene | 20.0 | 15.6 | | ug/L | | 78 | 77 - 120 |
| Vinyl chloride | 20.0 | 16.1 | | ug/L | | 81 | 62 - 138 |
| Xylenes, Total | 40.0 | 33.8 | | ug/L | | 84 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *74 - 132* |
| *Bromofluorobenzene* | *100* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *100* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* |

**Lab Sample ID: LCSD 460-530435/5**
**Matrix: Water**
**Analysis Batch: 530435**

**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 | 14.9 | | ug/L | | 75 | 75 - 125 | 5 | 30 |

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

**Lab Sample ID: LCSD 460-530435/5**
**Matrix: Water**
**Analysis Batch: 530435**

**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 | 18.0 | | ug/L | | 90 | 74 - 120 | 3 | 30 |
| 1,1,2-Trichloroethane | 20.0 | 17.3 | | ug/L | | 86 | 78 - 120 | 4 | 30 |
| 1,1-Dichloroethane | 20.0 | 17.6 | | ug/L | | 88 | 77 - 123 | 3 | 30 |
| 1,1-Dichloroethene | 20.0 | 15.1 | | ug/L | | 76 | 74 - 123 | 8 | 30 |
| 1,2-Dichloroethane | 20.0 | 16.6 | | ug/L | | 83 | 76 - 121 | 5 | 30 |
| 1,2-Dichloropropane | 20.0 | 18.0 | | ug/L | | 90 | 77 - 123 | 1 | 30 |
| 1,4-Dioxane | 400 | 307 | | ug/L | | 77 | 10 - 150 | 18 | 30 |
| 2-Butanone | 100 | 70.4 | | ug/L | | 70 | 64 - 120 | 1 | 30 |
| 2-Hexanone | 100 | 69.9 | * | ug/L | | 70 | 71 - 125 | 6 | 30 |
| 4-Methyl-2-pentanone | 100 | 73.1 | * | ug/L | | 73 | 78 - 124 | 4 | 30 |
| Acetone | 100 | 61.3 | | ug/L | | 61 | 39 - 150 | 5 | 30 |
| Benzene | 20.0 | 17.1 | | ug/L | | 86 | 77 - 121 | 1 | 30 |
| Bromodichloromethane | 20.0 | 16.4 | | ug/L | | 82 | 76 - 120 | 2 | 30 |
| Bromoform | 20.0 | 17.1 | | ug/L | | 86 | 53 - 120 | 7 | 30 |
| Bromomethane | 20.0 | 13.8 | | ug/L | | 69 | 10 - 150 | 15 | 30 |
| Carbon disulfide | 20.0 | 15.7 | | ug/L | | 78 | 69 - 133 | 9 | 30 |
| Carbon tetrachloride | 20.0 | 15.3 | | ug/L | | 76 | 70 - 132 | 3 | 30 |
| Chlorobenzene | 20.0 | 16.8 | | ug/L | | 84 | 80 - 120 | 2 | 30 |
| Chloroethane | 20.0 | 15.5 | | ug/L | | 77 | 52 - 150 | 10 | 30 |
| Chloroform | 20.0 | 17.1 | | ug/L | | 85 | 80 - 120 | 1 | 30 |
| Chloromethane | 20.0 | 14.5 | | ug/L | | 72 | 56 - 131 | 12 | 30 |
| cis-1,2-Dichloroethene | 20.0 | 17.4 | | ug/L | | 87 | 80 - 120 | 0 | 30 |
| cis-1,3-Dichloropropene | 20.0 | 17.4 | | ug/L | | 87 | 77 - 120 | 7 | 30 |
| Dibromochloromethane | 20.0 | 16.7 | | ug/L | | 84 | 73 - 120 | 6 | 30 |
| Ethylbenzene | 20.0 | 16.3 | | ug/L | | 81 | 80 - 120 | 1 | 30 |
| Methylene Chloride | 20.0 | 17.7 | | ug/L | | 88 | 77 - 123 | 1 | 30 |
| Styrene | 20.0 | 18.0 | | ug/L | | 90 | 80 - 120 | 2 | 30 |
| Tetrachloroethene | 20.0 | 15.6 | | ug/L | | 78 | 78 - 122 | 2 | 30 |
| Toluene | 20.0 | 16.8 | | ug/L | | 84 | 80 - 120 | 2 | 30 |
| trans-1,2-Dichloroethene | 20.0 | 16.5 | | ug/L | | 82 | 79 - 120 | 0 | 30 |
| trans-1,3-Dichloropropene | 20.0 | 18.0 | | ug/L | | 90 | 76 - 120 | 10 | 30 |
| Trichloroethene | 20.0 | 16.0 | | ug/L | | 80 | 77 - 120 | 2 | 30 |
| Vinyl chloride | 20.0 | 14.0 | | ug/L | | 70 | 62 - 138 | 14 | 30 |
| Xylenes, Total | 40.0 | 33.6 | | ug/L | | 84 | 80 - 120 | 1 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *74 - 132* |
| *Bromofluorobenzene* | *99* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *99* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* |

**Lab Sample ID: MB 460-530535/8**
**Matrix: Water**
**Analysis Batch: 530535**

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 11:11 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 06/24/18 11:11 | 1 |

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

**Lab Sample ID: MB 460-530535/8**
**Matrix: Water**
**Analysis Batch: 530535**

**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 | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 11:11 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 06/24/18 11:11 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 06/24/18 11:11 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 11:11 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 06/24/18 11:11 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 06/24/18 11:11 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 06/24/18 11:11 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 06/24/18 11:11 | 1 |
| 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 | ug/L | | | 06/24/18 11:11 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 06/24/18 11:11 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/24/18 11:11 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 06/24/18 11:11 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 06/24/18 11:11 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 06/24/18 11:11 | 1 |
| Carbon disulfide | 0.331 | J | 1.0 | 0.16 | ug/L | | | 06/24/18 11:11 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 06/24/18 11:11 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 11:11 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 11:11 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 06/24/18 11:11 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 06/24/18 11:11 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 06/24/18 11:11 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 06/24/18 11:11 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 06/24/18 11:11 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 06/24/18 11:11 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/24/18 11:11 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 06/24/18 11:11 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 06/24/18 11:11 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/24/18 11:11 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/24/18 11:11 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 06/24/18 11:11 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 06/24/18 11:11 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 06/24/18 11:11 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 06/24/18 11:11 | 1 |

| *Tentatively Identified Compound* | *MB Est. Result* | *MB Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *06/24/18 11:11* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *74 - 132* | | *06/24/18 11:11* | *1* |
| *Bromofluorobenzene* | *101* | | *77 - 124* | | *06/24/18 11:11* | *1* |
| *Dibromofluoromethane (Surr)* | *104* | | *72 - 131* | | *06/24/18 11:11* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *06/24/18 11:11* | *1* |

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

**Lab Sample ID: LCS 460-530535/4**
**Matrix: Water**
**Analysis Batch: 530535**

**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 | 16.6 | | ug/L | | 83 | 75 - 125 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.3 | | ug/L | | 87 | 74 - 120 |
| 1,1,2-Trichloroethane | 20.0 | 16.7 | | ug/L | | 83 | 78 - 120 |
| 1,1-Dichloroethane | 20.0 | 17.9 | | ug/L | | 90 | 77 - 123 |
| 1,1-Dichloroethene | 20.0 | 16.9 | | ug/L | | 84 | 74 - 123 |
| 1,2-Dichloroethane | 20.0 | 15.9 | | ug/L | | 80 | 76 - 121 |
| 1,2-Dichloropropane | 20.0 | 17.7 | | ug/L | | 89 | 77 - 123 |
| 1,4-Dioxane | 400 | 240 | | ug/L | | 60 | 10 - 150 |
| 2-Butanone | 100 | 71.9 | | ug/L | | 72 | 64 - 120 |
| 2-Hexanone | 100 | 66.8 | * | ug/L | | 67 | 71 - 125 |
| 4-Methyl-2-pentanone | 100 | 72.7 | * | ug/L | | 73 | 78 - 124 |
| Acetone | 100 | 61.5 | | ug/L | | 61 | 39 - 150 |
| Benzene | 20.0 | 16.9 | | ug/L | | 84 | 77 - 121 |
| Bromodichloromethane | 20.0 | 16.7 | | ug/L | | 83 | 76 - 120 |
| Bromoform | 20.0 | 17.4 | | ug/L | | 87 | 53 - 120 |
| Bromomethane | 20.0 | 17.1 | | ug/L | | 85 | 10 - 150 |
| Carbon disulfide | 20.0 | 16.3 | | ug/L | | 81 | 69 - 133 |
| Carbon tetrachloride | 20.0 | 16.8 | | ug/L | | 84 | 70 - 132 |
| Chlorobenzene | 20.0 | 16.9 | | ug/L | | 85 | 80 - 120 |
| Chloroethane | 20.0 | 18.5 | | ug/L | | 92 | 52 - 150 |
| Chloroform | 20.0 | 17.4 | | ug/L | | 87 | 80 - 120 |
| Chloromethane | 20.0 | 17.7 | | ug/L | | 89 | 56 - 131 |
| cis-1,2-Dichloroethene | 20.0 | 17.7 | | ug/L | | 89 | 80 - 120 |
| cis-1,3-Dichloropropene | 20.0 | 16.0 | | ug/L | | 80 | 77 - 120 |
| Dibromochloromethane | 20.0 | 16.7 | | ug/L | | 83 | 73 - 120 |
| Ethylbenzene | 20.0 | 17.1 | | ug/L | | 85 | 80 - 120 |
| Methylene Chloride | 20.0 | 17.4 | | ug/L | | 87 | 77 - 123 |
| Styrene | 20.0 | 18.1 | | ug/L | | 90 | 80 - 120 |
| Tetrachloroethene | 20.0 | 16.6 | | ug/L | | 83 | 78 - 122 |
| Toluene | 20.0 | 17.0 | | ug/L | | 85 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 17.3 | | ug/L | | 86 | 79 - 120 |
| trans-1,3-Dichloropropene | 20.0 | 16.3 | | ug/L | | 81 | 76 - 120 |
| Trichloroethene | 20.0 | 16.6 | | ug/L | | 83 | 77 - 120 |
| Vinyl chloride | 20.0 | 18.4 | | ug/L | | 92 | 62 - 138 |
| Xylenes, Total | 40.0 | 34.6 | | ug/L | | 86 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *74 - 132* |
| *Bromofluorobenzene* | *101* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *104* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* |

**Lab Sample ID: LCSD 460-530535/5**
**Matrix: Water**
**Analysis Batch: 530535**

**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 | 16.9 | | ug/L | | 84 | 75 - 125 | 1 | 30 |

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

**Lab Sample ID: LCSD 460-530535/5**
**Matrix: Water**
**Analysis Batch: 530535**

**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 | 18.7 | | ug/L | | 93 | 74 - 120 | 8 | 30 |
| 1,1,2-Trichloroethane | 20.0 | 16.7 | | ug/L | | 83 | 78 - 120 | 0 | 30 |
| 1,1-Dichloroethane | 20.0 | 18.0 | | ug/L | | 90 | 77 - 123 | 0 | 30 |
| 1,1-Dichloroethene | 20.0 | 16.4 | | ug/L | | 82 | 74 - 123 | 3 | 30 |
| 1,2-Dichloroethane | 20.0 | 16.3 | | ug/L | | 81 | 76 - 121 | 2 | 30 |
| 1,2-Dichloropropane | 20.0 | 18.4 | | ug/L | | 92 | 77 - 123 | 4 | 30 |
| 1,4-Dioxane | 400 | 292 | | ug/L | | 73 | 10 - 150 | 20 | 30 |
| 2-Butanone | 100 | 67.4 | | ug/L | | 67 | 64 - 120 | 6 | 30 |
| 2-Hexanone | 100 | 67.2 | * | ug/L | | 67 | 71 - 125 | 1 | 30 |
| 4-Methyl-2-pentanone | 100 | 71.6 | * | ug/L | | 72 | 78 - 124 | 2 | 30 |
| Acetone | 100 | 70.9 | | ug/L | | 71 | 39 - 150 | 14 | 30 |
| Benzene | 20.0 | 17.1 | | ug/L | | 86 | 77 - 121 | 1 | 30 |
| Bromodichloromethane | 20.0 | 17.0 | | ug/L | | 85 | 76 - 120 | 2 | 30 |
| Bromoform | 20.0 | 17.3 | | ug/L | | 87 | 53 - 120 | 0 | 30 |
| Bromomethane | 20.0 | 18.2 | | ug/L | | 91 | 10 - 150 | 7 | 30 |
| Carbon disulfide | 20.0 | 17.1 | | ug/L | | 85 | 69 - 133 | 5 | 30 |
| Carbon tetrachloride | 20.0 | 17.3 | | ug/L | | 86 | 70 - 132 | 3 | 30 |
| Chlorobenzene | 20.0 | 17.3 | | ug/L | | 87 | 80 - 120 | 2 | 30 |
| Chloroethane | 20.0 | 19.8 | | ug/L | | 99 | 52 - 150 | 7 | 30 |
| Chloroform | 20.0 | 17.6 | | ug/L | | 88 | 80 - 120 | 1 | 30 |
| Chloromethane | 20.0 | 18.2 | | ug/L | | 91 | 56 - 131 | 2 | 30 |
| cis-1,2-Dichloroethene | 20.0 | 17.9 | | ug/L | | 90 | 80 - 120 | 1 | 30 |
| cis-1,3-Dichloropropene | 20.0 | 16.3 | | ug/L | | 82 | 77 - 120 | 2 | 30 |
| Dibromochloromethane | 20.0 | 16.6 | | ug/L | | 83 | 73 - 120 | 1 | 30 |
| Ethylbenzene | 20.0 | 17.2 | | ug/L | | 86 | 80 - 120 | 1 | 30 |
| Methylene Chloride | 20.0 | 17.8 | | ug/L | | 89 | 77 - 123 | 2 | 30 |
| Styrene | 20.0 | 18.3 | | ug/L | | 91 | 80 - 120 | 1 | 30 |
| Tetrachloroethene | 20.0 | 17.4 | | ug/L | | 87 | 78 - 122 | 5 | 30 |
| Toluene | 20.0 | 17.1 | | ug/L | | 85 | 80 - 120 | 1 | 30 |
| trans-1,2-Dichloroethene | 20.0 | 16.9 | | ug/L | | 84 | 79 - 120 | 2 | 30 |
| trans-1,3-Dichloropropene | 20.0 | 16.8 | | ug/L | | 84 | 76 - 120 | 3 | 30 |
| Trichloroethene | 20.0 | 16.4 | | ug/L | | 82 | 77 - 120 | 1 | 30 |
| Vinyl chloride | 20.0 | 19.4 | | ug/L | | 97 | 62 - 138 | 5 | 30 |
| Xylenes, Total | 40.0 | 35.5 | | ug/L | | 89 | 80 - 120 | 3 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *74 - 132* |
| *Bromofluorobenzene* | *101* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *102* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* |

**Lab Sample ID: MB 460-530664/9**
**Matrix: Water**
**Analysis Batch: 530664**

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/25/18 09:16 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 06/25/18 09:16 | 1 |

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

**Lab Sample ID: MB 460-530664/9**
**Matrix: Water**
**Analysis Batch: 530664**

**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 | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/25/18 09:16 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 06/25/18 09:16 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 06/25/18 09:16 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/25/18 09:16 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 06/25/18 09:16 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 06/25/18 09:16 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 06/25/18 09:16 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 06/25/18 09:16 | 1 |
| 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 | ug/L | | | 06/25/18 09:16 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 06/25/18 09:16 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 06/25/18 09:16 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 06/25/18 09:16 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 06/25/18 09:16 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 06/25/18 09:16 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 06/25/18 09:16 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 06/25/18 09:16 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/25/18 09:16 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/25/18 09:16 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 06/25/18 09:16 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 06/25/18 09:16 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 06/25/18 09:16 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 06/25/18 09:16 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 06/25/18 09:16 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 06/25/18 09:16 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 06/25/18 09:16 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 06/25/18 09:16 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 06/25/18 09:16 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 06/25/18 09:16 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 06/25/18 09:16 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 06/25/18 09:16 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 06/25/18 09:16 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 06/25/18 09:16 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 06/25/18 09:16 | 1 |

| *Tentatively Identified Compound* | *MB Est. Result* | *MB Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *06/25/18 09:16* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *95* | | *74 - 132* | | *06/25/18 09:16* | *1* |
| *Bromofluorobenzene* | *104* | | *77 - 124* | | *06/25/18 09:16* | *1* |
| *Dibromofluoromethane (Surr)* | *109* | | *72 - 131* | | *06/25/18 09:16* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* | | *06/25/18 09:16* | *1* |

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

**Lab Sample ID: LCS 460-530664/4**
**Matrix: Water**
**Analysis Batch: 530664**

**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 | 21.6 | | ug/L | | 108 | 75 - 125 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 22.4 | | ug/L | | 112 | 74 - 120 |
| 1,1,2-Trichloroethane | 20.0 | 21.6 | | ug/L | | 108 | 78 - 120 |
| 1,1-Dichloroethane | 20.0 | 23.0 | | ug/L | | 115 | 77 - 123 |
| 1,1-Dichloroethene | 20.0 | 23.7 | | ug/L | | 119 | 74 - 123 |
| 1,2-Dichloroethane | 20.0 | 21.2 | | ug/L | | 106 | 76 - 121 |
| 1,2-Dichloropropane | 20.0 | 20.8 | | ug/L | | 104 | 77 - 123 |
| 1,4-Dioxane | 400 | 508 | | ug/L | | 127 | 10 - 150 |
| 2-Butanone | 100 | 113 | | ug/L | | 113 | 64 - 120 |
| 2-Hexanone | 100 | 101 | | ug/L | | 101 | 71 - 125 |
| 4-Methyl-2-pentanone | 100 | 107 | | ug/L | | 107 | 78 - 124 |
| Acetone | 100 | 99.7 | | ug/L | | 100 | 39 - 150 |
| Benzene | 20.0 | 23.9 | | ug/L | | 119 | 77 - 121 |
| Bromodichloromethane | 20.0 | 20.0 | | ug/L | | 100 | 76 - 120 |
| Bromoform | 20.0 | 20.5 | | ug/L | | 102 | 53 - 120 |
| Bromomethane | 20.0 | 19.5 | | ug/L | | 97 | 10 - 150 |
| Carbon disulfide | 20.0 | 20.7 | | ug/L | | 104 | 69 - 133 |
| Carbon tetrachloride | 20.0 | 21.3 | | ug/L | | 107 | 70 - 132 |
| Chlorobenzene | 20.0 | 22.1 | | ug/L | | 110 | 80 - 120 |
| Chloroethane | 20.0 | 17.1 | | ug/L | | 85 | 52 - 150 |
| Chloroform | 20.0 | 22.8 | | ug/L | | 114 | 80 - 120 |
| Chloromethane | 20.0 | 17.8 | | ug/L | | 89 | 56 - 131 |
| cis-1,2-Dichloroethene | 20.0 | 24.0 | | ug/L | | 120 | 80 - 120 |
| cis-1,3-Dichloropropene | 20.0 | 19.8 | | ug/L | | 99 | 77 - 120 |
| Dibromochloromethane | 20.0 | 19.4 | | ug/L | | 97 | 73 - 120 |
| Ethylbenzene | 20.0 | 22.3 | | ug/L | | 112 | 80 - 120 |
| Methylene Chloride | 20.0 | 23.0 | | ug/L | | 115 | 77 - 123 |
| Styrene | 20.0 | 22.2 | | ug/L | | 111 | 80 - 120 |
| Tetrachloroethene | 20.0 | 23.4 | | ug/L | | 117 | 78 - 122 |
| Toluene | 20.0 | 21.3 | | ug/L | | 107 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 24.0 | | ug/L | | 120 | 79 - 120 |
| trans-1,3-Dichloropropene | 20.0 | 18.5 | | ug/L | | 93 | 76 - 120 |
| Trichloroethene | 20.0 | 21.6 | | ug/L | | 108 | 77 - 120 |
| Vinyl chloride | 20.0 | 19.6 | | ug/L | | 98 | 62 - 138 |
| Xylenes, Total | 40.0 | 45.4 | | ug/L | | 114 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *74 - 132* |
| *Bromofluorobenzene* | *104* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *102* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* |

**Lab Sample ID: LCSD 460-530664/5**
**Matrix: Water**
**Analysis Batch: 530664**

**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 | 20.1 | | ug/L | | 100 | 75 - 125 | 7 | 30 |

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

**Lab Sample ID: LCSD 460-530664/5**
**Matrix: Water**
**Analysis Batch: 530664**

**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 | 20.9 | | ug/L | | 105 | 74 - 120 | 7 | 30 |
| 1,1,2-Trichloroethane | | | 20.0 | 20.4 | | ug/L | | 102 | 78 - 120 | 6 | 30 |
| 1,1-Dichloroethane | | | 20.0 | 21.6 | | ug/L | | 108 | 77 - 123 | 6 | 30 |
| 1,1-Dichloroethene | | | 20.0 | 22.0 | | ug/L | | 110 | 74 - 123 | 7 | 30 |
| 1,2-Dichloroethane | | | 20.0 | 19.7 | | ug/L | | 98 | 76 - 121 | 7 | 30 |
| 1,2-Dichloropropane | | | 20.0 | 19.7 | | ug/L | | 99 | 77 - 123 | 5 | 30 |
| 1,4-Dioxane | | | 400 | 501 | | ug/L | | 125 | 10 - 150 | 1 | 30 |
| 2-Butanone | | | 100 | 105 | | ug/L | | 105 | 64 - 120 | 7 | 30 |
| 2-Hexanone | | | 100 | 97.2 | | ug/L | | 97 | 71 - 125 | 4 | 30 |
| 4-Methyl-2-pentanone | | | 100 | 100 | | ug/L | | 100 | 78 - 124 | 7 | 30 |
| Acetone | | | 100 | 97.4 | | ug/L | | 97 | 39 - 150 | 2 | 30 |
| Benzene | | | 20.0 | 22.5 | | ug/L | | 113 | 77 - 121 | 6 | 30 |
| Bromodichloromethane | | | 20.0 | 19.0 | | ug/L | | 95 | 76 - 120 | 5 | 30 |
| Bromoform | | | 20.0 | 19.5 | | ug/L | | 97 | 53 - 120 | 5 | 30 |
| Bromomethane | | | 20.0 | 18.9 | | ug/L | | 94 | 10 - 150 | 3 | 30 |
| Carbon disulfide | | | 20.0 | 18.9 | | ug/L | | 95 | 69 - 133 | 9 | 30 |
| Carbon tetrachloride | | | 20.0 | 20.0 | | ug/L | | 100 | 70 - 132 | 6 | 30 |
| Chlorobenzene | | | 20.0 | 20.7 | | ug/L | | 104 | 80 - 120 | 6 | 30 |
| Chloroethane | | | 20.0 | 16.8 | | ug/L | | 84 | 52 - 150 | 2 | 30 |
| Chloroform | | | 20.0 | 21.3 | | ug/L | | 107 | 80 - 120 | 7 | 30 |
| Chloromethane | | | 20.0 | 17.7 | | ug/L | | 88 | 56 - 131 | 1 | 30 |
| cis-1,2-Dichloroethene | | | 20.0 | 22.7 | | ug/L | | 114 | 80 - 120 | 5 | 30 |
| cis-1,3-Dichloropropene | | | 20.0 | 19.0 | | ug/L | | 95 | 77 - 120 | 5 | 30 |
| Dibromochloromethane | | | 20.0 | 18.8 | | ug/L | | 94 | 73 - 120 | 3 | 30 |
| Ethylbenzene | | | 20.0 | 20.8 | | ug/L | | 104 | 80 - 120 | 7 | 30 |
| Methylene Chloride | | | 20.0 | 21.5 | | ug/L | | 108 | 77 - 123 | 7 | 30 |
| Styrene | | | 20.0 | 21.2 | | ug/L | | 106 | 80 - 120 | 4 | 30 |
| Tetrachloroethene | | | 20.0 | 22.6 | | ug/L | | 113 | 78 - 122 | 4 | 30 |
| Toluene | | | 20.0 | 20.7 | | ug/L | | 104 | 80 - 120 | 3 | 30 |
| trans-1,2-Dichloroethene | | | 20.0 | 22.5 | | ug/L | | 113 | 79 - 120 | 6 | 30 |
| trans-1,3-Dichloropropene | | | 20.0 | 18.5 | | ug/L | | 93 | 76 - 120 | 0 | 30 |
| Trichloroethene | | | 20.0 | 20.3 | | ug/L | | 101 | 77 - 120 | 6 | 30 |
| Vinyl chloride | | | 20.0 | 19.9 | | ug/L | | 99 | 62 - 138 | 1 | 30 |
| Xylenes, Total | | | 40.0 | 42.7 | | ug/L | | 107 | 80 - 120 | 6 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *74 - 132* |
| *Bromofluorobenzene* | *104* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *97* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *96* | | *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. |
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## 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) |

## GC/MS VOA

### Analysis Batch: 530435

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 460-158398-1 | TB | Total/NA | Water | 8260C | |
| 460-158398-2 | FB | Total/NA | Water | 8260C | |
| MB 460-530435/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 460-530435/4 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 460-530435/5 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

### Analysis Batch: 530535

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 460-158398-4 | MW-54 | Total/NA | Water | 8260C | |
| MB 460-530535/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 460-530535/4 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 460-530535/5 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

### Analysis Batch: 530664

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 460-158398-3 | MW-43 | Total/NA | Water | 8260C | |
| MB 460-530664/9 | Method Blank | Total/NA | Water | 8260C | |
| LCS 460-530664/4 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 460-530664/5 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

# Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192 - Stony Point 6/2018

TestAmerica Job ID: 460-158398-1

## Client Sample ID: TB
**Date Collected: 06/14/18 00:00**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-1
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 530435 | 06/24/18 00:33 | MZS | TAL EDI |

## Client Sample ID: FB
**Date Collected: 06/15/18 08:25**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-2
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 530435 | 06/24/18 00:56 | MZS | TAL EDI |

## Client Sample ID: MW-43
**Date Collected: 06/15/18 08:35**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-3
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 530664 | 06/25/18 10:58 | CJM | TAL EDI |

## Client Sample ID: MW-54
**Date Collected: 06/15/18 10:30**
**Date Received: 06/15/18 11:50**

## Lab Sample ID: 460-158398-4
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 530535 | 06/24/18 11:35 | MZS | 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.
TestAmerica Job ID: 460-158398-1
Project/Site: 1192 - Stony Point 6/2018

## 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 | 04-01-19 |
| Pennsylvania | NELAP | 3 | 68-00522 | 02-28-19 |

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.: 460-158398-1

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 # |
|---|---|---|---|---|---|
| TB | 460-158398-1 | 105 | 93 | 96 | 98 |
| FB | 460-158398-2 | 104 | 89 | 97 | 103 |
| MW-43 | 460-158398-3 | 108 | 91 | 95 | 102 |
| MW-54 | 460-158398-4 | 107 | 94 | 96 | 100 |
| | MB 460-530435/8 | 108 | 98 | 97 | 102 |
| | MB 460-530535/8 | 104 | 94 | 96 | 101 |
| | MB 460-530664/9 | 109 | 95 | 98 | 104 |
| | LCS 460-530435/4 | 100 | 92 | 98 | 100 |
| | LCS 460-530535/4 | 104 | 94 | 96 | 101 |
| | LCS 460-530664/4 | 102 | 93 | 100 | 104 |
| | LCSD 460-530435/5 | 99 | 92 | 96 | 99 |
| | LCSD 460-530535/5 | 102 | 90 | 97 | 101 |
| | LCSD 460-530664/5 | 97 | 89 | 96 | 104 |

| | 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.: 460-158398-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F66667.D

Lab ID: LCS 460-530435/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 15.7 | 78 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.4 | 87 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 16.6 | 83 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 17.1 | 86 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 16.3 | 82 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 15.7 | 79 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 17.8 | 89 | 77-123 | |
| 1,4-Dioxane | 400 | 257 | 64 | 10-150 | |
| 2-Butanone | 100 | 71.2 | 71 | 64-120 | |
| 2-Hexanone | 100 | 65.6 | 66 | 71-125 | * |
| 4-Methyl-2-pentanone | 100 | 69.9 | 70 | 78-124 | * |
| Acetone | 100 | 64.2 | 64 | 39-150 | |
| Benzene | 20.0 | 17.0 | 85 | 77-121 | |
| Bromodichloromethane | 20.0 | 16.1 | 80 | 76-120 | |
| Bromoform | 20.0 | 16.0 | 80 | 53-120 | |
| Bromomethane | 20.0 | 16.0 | 80 | 10-150 | |
| Carbon disulfide | 20.0 | 17.1 | 85 | 69-133 | |
| Carbon tetrachloride | 20.0 | 15.8 | 79 | 70-132 | |
| Chlorobenzene | 20.0 | 16.4 | 82 | 80-120 | |
| Chloroethane | 20.0 | 17.1 | 85 | 52-150 | |
| Chloroform | 20.0 | 16.9 | 85 | 80-120 | |
| Chloromethane | 20.0 | 16.3 | 81 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 17.4 | 87 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 16.3 | 81 | 77-120 | |
| Dibromochloromethane | 20.0 | 15.8 | 79 | 73-120 | |
| Ethylbenzene | 20.0 | 16.1 | 81 | 80-120 | |
| Methylene Chloride | 20.0 | 17.6 | 88 | 77-123 | |
| Styrene | 20.0 | 17.5 | 88 | 80-120 | |
| Tetrachloroethene | 20.0 | 15.9 | 80 | 78-122 | |
| Toluene | 20.0 | 16.5 | 82 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 16.5 | 83 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 16.2 | 81 | 76-120 | |
| Trichloroethene | 20.0 | 15.6 | 78 | 77-120 | |
| Vinyl chloride | 20.0 | 16.1 | 81 | 62-138 | |
| Xylenes, Total | 40.0 | 33.8 | 84 | 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.: 460-158398-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F66696.D

Lab ID: LCS 460-530535/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 16.6 | 83 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.3 | 87 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 16.7 | 83 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 17.9 | 90 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 16.9 | 84 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 15.9 | 80 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 17.7 | 89 | 77-123 | |
| 1,4-Dioxane | 400 | 240 | 60 | 10-150 | |
| 2-Butanone | 100 | 71.9 | 72 | 64-120 | |
| 2-Hexanone | 100 | 66.8 | 67 | 71-125 | * |
| 4-Methyl-2-pentanone | 100 | 72.7 | 73 | 78-124 | * |
| Acetone | 100 | 61.5 | 61 | 39-150 | |
| Benzene | 20.0 | 16.9 | 84 | 77-121 | |
| Bromodichloromethane | 20.0 | 16.7 | 83 | 76-120 | |
| Bromoform | 20.0 | 17.4 | 87 | 53-120 | |
| Bromomethane | 20.0 | 17.1 | 85 | 10-150 | |
| Carbon disulfide | 20.0 | 16.3 | 81 | 69-133 | |
| Carbon tetrachloride | 20.0 | 16.8 | 84 | 70-132 | |
| Chlorobenzene | 20.0 | 16.9 | 85 | 80-120 | |
| Chloroethane | 20.0 | 18.5 | 92 | 52-150 | |
| Chloroform | 20.0 | 17.4 | 87 | 80-120 | |
| Chloromethane | 20.0 | 17.7 | 89 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 17.7 | 89 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 16.0 | 80 | 77-120 | |
| Dibromochloromethane | 20.0 | 16.7 | 83 | 73-120 | |
| Ethylbenzene | 20.0 | 17.1 | 85 | 80-120 | |
| Methylene Chloride | 20.0 | 17.4 | 87 | 77-123 | |
| Styrene | 20.0 | 18.1 | 90 | 80-120 | |
| Tetrachloroethene | 20.0 | 16.6 | 83 | 78-122 | |
| Toluene | 20.0 | 17.0 | 85 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 17.3 | 86 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 16.3 | 81 | 76-120 | |
| Trichloroethene | 20.0 | 16.6 | 83 | 77-120 | |
| Vinyl chloride | 20.0 | 18.4 | 92 | 62-138 | |
| Xylenes, Total | 40.0 | 34.6 | 86 | 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.: 460-158398-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A57699.D

Lab ID: LCS 460-530664/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 21.6 | 108 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 22.4 | 112 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 21.6 | 108 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 23.0 | 115 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 23.7 | 119 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 21.2 | 106 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 20.8 | 104 | 77-123 | |
| 1,4-Dioxane | 400 | 508 | 127 | 10-150 | |
| 2-Butanone | 100 | 113 | 113 | 64-120 | |
| 2-Hexanone | 100 | 101 | 101 | 71-125 | |
| 4-Methyl-2-pentanone | 100 | 107 | 107 | 78-124 | |
| Acetone | 100 | 99.7 | 100 | 39-150 | |
| Benzene | 20.0 | 23.9 | 119 | 77-121 | |
| Bromodichloromethane | 20.0 | 20.0 | 100 | 76-120 | |
| Bromoform | 20.0 | 20.5 | 102 | 53-120 | |
| Bromomethane | 20.0 | 19.5 | 97 | 10-150 | |
| Carbon disulfide | 20.0 | 20.7 | 104 | 69-133 | |
| Carbon tetrachloride | 20.0 | 21.3 | 107 | 70-132 | |
| Chlorobenzene | 20.0 | 22.1 | 110 | 80-120 | |
| Chloroethane | 20.0 | 17.1 | 85 | 52-150 | |
| Chloroform | 20.0 | 22.8 | 114 | 80-120 | |
| Chloromethane | 20.0 | 17.8 | 89 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 24.0 | 120 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 19.8 | 99 | 77-120 | |
| Dibromochloromethane | 20.0 | 19.4 | 97 | 73-120 | |
| Ethylbenzene | 20.0 | 22.3 | 112 | 80-120 | |
| Methylene Chloride | 20.0 | 23.0 | 115 | 77-123 | |
| Styrene | 20.0 | 22.2 | 111 | 80-120 | |
| Tetrachloroethene | 20.0 | 23.4 | 117 | 78-122 | |
| Toluene | 20.0 | 21.3 | 107 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 24.0 | 120 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 18.5 | 93 | 76-120 | |
| Trichloroethene | 20.0 | 21.6 | 108 | 77-120 | |
| Vinyl chloride | 20.0 | 19.6 | 98 | 62-138 | |
| Xylenes, Total | 40.0 | 45.4 | 114 | 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.: 460-158398-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F66668.D

Lab ID: LCSD 460-530435/5 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 | 14.9 | 75 | 5 | 30 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.0 | 90 | 3 | 30 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 17.3 | 86 | 4 | 30 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 17.6 | 88 | 3 | 30 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 15.1 | 76 | 8 | 30 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 16.6 | 83 | 5 | 30 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 18.0 | 90 | 1 | 30 | 77-123 | |
| 1,4-Dioxane | 400 | 307 | 77 | 18 | 30 | 10-150 | |
| 2-Butanone | 100 | 70.4 | 70 | 1 | 30 | 64-120 | |
| 2-Hexanone | 100 | 69.9 | 70 | 6 | 30 | 71-125 | * |
| 4-Methyl-2-pentanone | 100 | 73.1 | 73 | 4 | 30 | 78-124 | * |
| Acetone | 100 | 61.3 | 61 | 5 | 30 | 39-150 | |
| Benzene | 20.0 | 17.1 | 86 | 1 | 30 | 77-121 | |
| Bromodichloromethane | 20.0 | 16.4 | 82 | 2 | 30 | 76-120 | |
| Bromoform | 20.0 | 17.1 | 86 | 7 | 30 | 53-120 | |
| Bromomethane | 20.0 | 13.8 | 69 | 15 | 30 | 10-150 | |
| Carbon disulfide | 20.0 | 15.7 | 78 | 9 | 30 | 69-133 | |
| Carbon tetrachloride | 20.0 | 15.3 | 76 | 3 | 30 | 70-132 | |
| Chlorobenzene | 20.0 | 16.8 | 84 | 2 | 30 | 80-120 | |
| Chloroethane | 20.0 | 15.5 | 77 | 10 | 30 | 52-150 | |
| Chloroform | 20.0 | 17.1 | 85 | 1 | 30 | 80-120 | |
| Chloromethane | 20.0 | 14.5 | 72 | 12 | 30 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 17.4 | 87 | 0 | 30 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 17.4 | 87 | 7 | 30 | 77-120 | |
| Dibromochloromethane | 20.0 | 16.7 | 84 | 6 | 30 | 73-120 | |
| Ethylbenzene | 20.0 | 16.3 | 81 | 1 | 30 | 80-120 | |
| Methylene Chloride | 20.0 | 17.7 | 88 | 1 | 30 | 77-123 | |
| Styrene | 20.0 | 18.0 | 90 | 2 | 30 | 80-120 | |
| Tetrachloroethene | 20.0 | 15.6 | 78 | 2 | 30 | 78-122 | |
| Toluene | 20.0 | 16.8 | 84 | 2 | 30 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 16.5 | 82 | 0 | 30 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 18.0 | 90 | 10 | 30 | 76-120 | |
| Trichloroethene | 20.0 | 16.0 | 80 | 2 | 30 | 77-120 | |
| Vinyl chloride | 20.0 | 14.0 | 70 | 14 | 30 | 62-138 | |
| Xylenes, Total | 40.0 | 33.6 | 84 | 1 | 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.: 460-158398-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F66697.D

Lab ID: LCSD 460-530535/5 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 | 16.9 | 84 | 1 | 30 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.7 | 93 | 8 | 30 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 16.7 | 83 | 0 | 30 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 18.0 | 90 | 0 | 30 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 16.4 | 82 | 3 | 30 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 16.3 | 81 | 2 | 30 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 18.4 | 92 | 4 | 30 | 77-123 | |
| 1,4-Dioxane | 400 | 292 | 73 | 20 | 30 | 10-150 | |
| 2-Butanone | 100 | 67.4 | 67 | 6 | 30 | 64-120 | |
| 2-Hexanone | 100 | 67.2 | 67 | 1 | 30 | 71-125 | * |
| 4-Methyl-2-pentanone | 100 | 71.6 | 72 | 2 | 30 | 78-124 | * |
| Acetone | 100 | 70.9 | 71 | 14 | 30 | 39-150 | |
| Benzene | 20.0 | 17.1 | 86 | 1 | 30 | 77-121 | |
| Bromodichloromethane | 20.0 | 17.0 | 85 | 2 | 30 | 76-120 | |
| Bromoform | 20.0 | 17.3 | 87 | 0 | 30 | 53-120 | |
| Bromomethane | 20.0 | 18.2 | 91 | 7 | 30 | 10-150 | |
| Carbon disulfide | 20.0 | 17.1 | 85 | 5 | 30 | 69-133 | |
| Carbon tetrachloride | 20.0 | 17.3 | 86 | 3 | 30 | 70-132 | |
| Chlorobenzene | 20.0 | 17.3 | 87 | 2 | 30 | 80-120 | |
| Chloroethane | 20.0 | 19.8 | 99 | 7 | 30 | 52-150 | |
| Chloroform | 20.0 | 17.6 | 88 | 1 | 30 | 80-120 | |
| Chloromethane | 20.0 | 18.2 | 91 | 2 | 30 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 17.9 | 90 | 1 | 30 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 16.3 | 82 | 2 | 30 | 77-120 | |
| Dibromochloromethane | 20.0 | 16.6 | 83 | 1 | 30 | 73-120 | |
| Ethylbenzene | 20.0 | 17.2 | 86 | 1 | 30 | 80-120 | |
| Methylene Chloride | 20.0 | 17.8 | 89 | 2 | 30 | 77-123 | |
| Styrene | 20.0 | 18.3 | 91 | 1 | 30 | 80-120 | |
| Tetrachloroethene | 20.0 | 17.4 | 87 | 5 | 30 | 78-122 | |
| Toluene | 20.0 | 17.1 | 85 | 1 | 30 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 16.9 | 84 | 2 | 30 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 16.8 | 84 | 3 | 30 | 76-120 | |
| Trichloroethene | 20.0 | 16.4 | 82 | 1 | 30 | 77-120 | |
| Vinyl chloride | 20.0 | 19.4 | 97 | 5 | 30 | 62-138 | |
| Xylenes, Total | 40.0 | 35.5 | 89 | 3 | 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.: 460-158398-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A57700.D

Lab ID: LCSD 460-530664/5 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 | 20.1 | 100 | 7 | 30 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 20.9 | 105 | 7 | 30 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 20.4 | 102 | 6 | 30 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 21.6 | 108 | 6 | 30 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 22.0 | 110 | 7 | 30 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 19.7 | 98 | 7 | 30 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 19.7 | 99 | 5 | 30 | 77-123 | |
| 1,4-Dioxane | 400 | 501 | 125 | 1 | 30 | 10-150 | |
| 2-Butanone | 100 | 105 | 105 | 7 | 30 | 64-120 | |
| 2-Hexanone | 100 | 97.2 | 97 | 4 | 30 | 71-125 | |
| 4-Methyl-2-pentanone | 100 | 100 | 100 | 7 | 30 | 78-124 | |
| Acetone | 100 | 97.4 | 97 | 2 | 30 | 39-150 | |
| Benzene | 20.0 | 22.5 | 113 | 6 | 30 | 77-121 | |
| Bromodichloromethane | 20.0 | 19.0 | 95 | 5 | 30 | 76-120 | |
| Bromoform | 20.0 | 19.5 | 97 | 5 | 30 | 53-120 | |
| Bromomethane | 20.0 | 18.9 | 94 | 3 | 30 | 10-150 | |
| Carbon disulfide | 20.0 | 18.9 | 95 | 9 | 30 | 69-133 | |
| Carbon tetrachloride | 20.0 | 20.0 | 100 | 6 | 30 | 70-132 | |
| Chlorobenzene | 20.0 | 20.7 | 104 | 6 | 30 | 80-120 | |
| Chloroethane | 20.0 | 16.8 | 84 | 2 | 30 | 52-150 | |
| Chloroform | 20.0 | 21.3 | 107 | 7 | 30 | 80-120 | |
| Chloromethane | 20.0 | 17.7 | 88 | 1 | 30 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 22.7 | 114 | 5 | 30 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 19.0 | 95 | 5 | 30 | 77-120 | |
| Dibromochloromethane | 20.0 | 18.8 | 94 | 3 | 30 | 73-120 | |
| Ethylbenzene | 20.0 | 20.8 | 104 | 7 | 30 | 80-120 | |
| Methylene Chloride | 20.0 | 21.5 | 108 | 7 | 30 | 77-123 | |
| Styrene | 20.0 | 21.2 | 106 | 4 | 30 | 80-120 | |
| Tetrachloroethene | 20.0 | 22.6 | 113 | 4 | 30 | 78-122 | |
| Toluene | 20.0 | 20.7 | 104 | 3 | 30 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 22.5 | 113 | 6 | 30 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 18.5 | 93 | 0 | 30 | 76-120 | |
| Trichloroethene | 20.0 | 20.3 | 101 | 6 | 30 | 77-120 | |
| Vinyl chloride | 20.0 | 19.9 | 99 | 1 | 30 | 62-138 | |
| Xylenes, Total | 40.0 | 42.7 | 107 | 6 | 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.: 460-158398-1

SDG No.:

Lab File ID: F66671.D Lab Sample ID: MB 460-530435/8

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

Instrument ID: CVOAMS6 Date Analyzed: 06/23/2018 23:22

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 460-530435/4 | F66667.D | 06/23/2018 21:16 |
| | LCSD 460-530435/5 | F66668.D | 06/23/2018 22:10 |
| TB | 460-158398-1 | F66674.D | 06/24/2018 00:33 |
| FB | 460-158398-2 | F66675.D | 06/24/2018 00:56 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab File ID: F66700.D Lab Sample ID: MB 460-530535/8

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

Instrument ID: CVOAMS6 Date Analyzed: 06/24/2018 11:11

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 460-530535/4 | F66696.D | 06/24/2018 09:35 |
| | LCSD 460-530535/5 | F66697.D | 06/24/2018 09:58 |
| MW-54 | 460-158398-4 | F66701.D | 06/24/2018 11:35 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab File ID: A57704.D Lab Sample ID: MB 460-530664/9

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

Instrument ID: CVOAMS1 Date Analyzed: 06/25/2018 09:16

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 460-530664/4 | A57699.D | 06/25/2018 07:20 |
| | LCSD 460-530664/5 | A57700.D | 06/25/2018 07:43 |
| MW-43 | 460-158398-3 | A57708.D | 06/25/2018 10:58 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Lab File ID: A54971.D  BFB Injection Date: 05/01/2018

Instrument ID: CVOAMS1  BFB Injection Time: 22:28

Analysis Batch No.: 515755

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 19.1 | |
| 75 | 30.0 - 60.0 % of mass 95 | 50.4 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.9 | |
| 173 | Less than 2.0 % of mass 174 | 0.3 | (0.3) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 87.7 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.7 | (6.5) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 84.4 | (96.3) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.7 | (6.7) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | STD7 460-515755/3 | A54973.D | 05/01/2018 | 23:18 |
| | STD1 460-515755/4 | A54974.D | 05/01/2018 | 23:43 |
| | STD5 460-515755/5 | A54975.D | 05/02/2018 | 00:08 |
| | STD20 460-515755/6 | A54976.D | 05/02/2018 | 00:32 |
| | STD50 460-515755/7 | A54977.D | 05/02/2018 | 00:57 |
| | STD200 460-515755/8 | A54978.D | 05/02/2018 | 01:22 |
| | STD500 460-515755/9 | A54979.D | 05/02/2018 | 01:47 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Lab File ID: A57696.D  BFB Injection Date: 06/25/2018

Instrument ID: CVOAMS1  BFB Injection Time: 06:09

Analysis Batch No.: 530664

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 20.8 | |
| 75 | 30.0 - 60.0 % of mass 95 | 48.6 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 8.0 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 85.6 | |
| 175 | 5.0 - 9.0 % of mass 174 | 7.3 | (8.6) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 85.6 | (100.0) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 6.1 | (7.2) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-530664/3 | A57698.D | 06/25/2018 | 06:56 |
| | LCS 460-530664/4 | A57699.D | 06/25/2018 | 07:20 |
| | LCSD 460-530664/5 | A57700.D | 06/25/2018 | 07:43 |
| | MB 460-530664/9 | A57704.D | 06/25/2018 | 09:16 |
| MW-43 | 460-158398-3 | A57708.D | 06/25/2018 | 10:58 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Lab File ID: F65703.D  BFB Injection Date: 06/05/2018

Instrument ID: CVOAMS6  BFB Injection Time: 01:01

Analysis Batch No.: 525048

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 18.7 | |
| 75 | 30.0 - 60.0 % of mass 95 | 50.2 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.2 | |
| 173 | Less than 2.0 % of mass 174 | 0.3 | (0.4) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 76.6 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.3 | (8.2) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 76.3 | (99.6) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.1 | (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 460-525048/3 | F65705.D | 06/05/2018 | 02:24 |
| | STD1 460-525048/5 | F65707.D | 06/05/2018 | 03:11 |
| | STD5 460-525048/6 | F65708.D | 06/05/2018 | 03:35 |
| | STD20 460-525048/7 | F65709.D | 06/05/2018 | 03:59 |
| | STD50 460-525048/8 | F65710.D | 06/05/2018 | 04:22 |
| | STD200 460-525048/9 | F65711.D | 06/05/2018 | 04:46 |
| | STD500 460-525048/10 | F65712.D | 06/05/2018 | 05:09 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Lab File ID: F66664.D  BFB Injection Date: 06/23/2018

Instrument ID: CVOAMS6  BFB Injection Time: 20:05

Analysis Batch No.: 530435

| 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 | 48.5 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 5.2 | |
| 173 | Less than 2.0 % of mass 174 | 0.9 | (1.1) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 79.2 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.1 | (7.7) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 77.6 | (97.9) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.2 | (6.7) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-530435/3 | F66666.D | 06/23/2018 | 20:51 |
| | LCS 460-530435/4 | F66667.D | 06/23/2018 | 21:16 |
| | LCSD 460-530435/5 | F66668.D | 06/23/2018 | 22:10 |
| | MB 460-530435/8 | F66671.D | 06/23/2018 | 23:22 |
| TB | 460-158398-1 | F66674.D | 06/24/2018 | 00:33 |
| FB | 460-158398-2 | F66675.D | 06/24/2018 | 00:56 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Lab File ID: F66693.D  BFB Injection Date: 06/24/2018

Instrument ID: CVOAMS6  BFB Injection Time: 08:21

Analysis Batch No.: 530535

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 17.4 | |
| 75 | 30.0 - 60.0 % of mass 95 | 46.9 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.4 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 89.0 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.2 | (7.0) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 89.6 | (100.7) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 6.6 | (7.4) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-530535/3 | F66695.D | 06/24/2018 | 09:06 |
| | LCS 460-530535/4 | F66696.D | 06/24/2018 | 09:35 |
| | LCSD 460-530535/5 | F66697.D | 06/24/2018 | 09:58 |
| | MB 460-530535/8 | F66700.D | 06/24/2018 | 11:11 |
| MW-54 | 460-158398-4 | F66701.D | 06/24/2018 | 11:35 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Sample No.: CCVIS 460-530664/3  Date Analyzed: 06/25/2018 06:56

Instrument ID: CVOAMS1  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): A57698.D  Heated Purge: (Y/N) N

Calibration ID: 68248

| | | TBAd9 | | BUT | | FB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 181466 | 3.32 | 218232 | 4.29 | 342809 | 5.16 |
| UPPER LIMIT | | 362932 | 3.82 | 436464 | 4.79 | 685618 | 5.66 |
| LOWER LIMIT | | 90733 | 2.82 | 109116 | 3.79 | 171405 | 4.66 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-530664/4 | | 181029 | 3.32 | 212833 | 4.29 | 325159 | 5.16 |
| LCSD 460-530664/5 | | 196560 | 3.34 | 233997 | 4.29 | 353173 | 5.16 |
| MB 460-530664/9 | | 171640 | 3.33 | 193160 | 4.30 | 306517 | 5.17 |
| 460-158398-3 | MW-43 | 155263 | 3.32 | 183138 | 4.29 | 295417 | 5.16 |

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.: 460-158398-1

SDG No.:

Sample No.: CCVIS 460-530664/3  Date Analyzed: 06/25/2018 06:56

Instrument ID: CVOAMS1  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): A57698.D  Heated Purge: (Y/N) N

Calibration ID: 68248

| | | DXE | | CBNZd5 | | DCBd4 | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 17834 | 5.69 | 229077 | 7.66 | 155347 | 9.05 |
| UPPER LIMIT | | 35668 | 6.19 | 458154 | 8.16 | 310694 | 9.55 |
| LOWER LIMIT | | 8917 | 5.19 | 114539 | 7.16 | 77674 | 8.55 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-530664/4 | | 17382 | 5.69 | 220458 | 7.66 | 146170 | 9.05 |
| LCSD 460-530664/5 | | 18228 | 5.68 | 238877 | 7.66 | 160344 | 9.05 |
| MB 460-530664/9 | | 13667 | 5.69 | 207644 | 7.66 | 135799 | 9.06 |
| 460-158398-3 | MW-43 | 12899 | 5.69 | 204006 | 7.66 | 134231 | 9.07 |

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.: 460-158398-1

SDG No.:

Sample No.: CCVIS 460-530435/3  Date Analyzed: 06/23/2018 20:51

Instrument ID: CVOAMS6  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): F66666.D  Heated Purge: (Y/N) N

Calibration ID: 69272

| | | TBAd9 | | BUT | | FB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 108847 | 3.20 | 130397 | 4.25 | 282306 | 5.32 |
| UPPER LIMIT | | 217694 | 3.70 | 260794 | 4.75 | 564612 | 5.82 |
| LOWER LIMIT | | 54424 | 2.70 | 65199 | 3.75 | 141153 | 4.82 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-530435/4 | | 114665 | 3.20 | 138963 | 4.24 | 294817 | 5.32 |
| LCSD 460-530435/5 | | 113934 | 3.20 | 155681 | 4.24 | 325189 | 5.32 |
| MB 460-530435/8 | | 110871 | 3.21 | 129132 | 4.25 | 285983 | 5.33 |
| 460-158398-1 | TB | 86439 | 3.19 | 106205 | 4.24 | 250106 | 5.32 |
| 460-158398-2 | FB | 90949 | 3.19 | 94942 | 4.25 | 256201 | 5.32 |

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.: 460-158398-1

SDG No.:

Sample No.: CCVIS 460-530435/3  Date Analyzed: 06/23/2018  20:51

Instrument ID: CVOAMS6  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): F66666.D  Heated Purge: (Y/N) N

Calibration ID: 69272

| | | DXE | | CBNZd5 | | DCBd4 | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 9221 | 6.04 | 197391 | 8.76 | 109638 | 10.91 |
| UPPER LIMIT | | 18442 | 6.54 | 394782 | 9.26 | 219276 | 11.41 |
| LOWER LIMIT | | 4611 | 5.54 | 98696 | 8.26 | 54819 | 10.41 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-530435/4 | | 9065 | 6.03 | 206786 | 8.76 | 114651 | 10.91 |
| LCSD 460-530435/5 | | 7753 | 6.04 | 227993 | 8.76 | 124641 | 10.91 |
| MB 460-530435/8 | | 7613 | 6.04 | 191100 | 8.76 | 104132 | 10.91 |
| 460-158398-1 | TB | 5928 | 6.04 | 176737 | 8.76 | 101063 | 10.91 |
| 460-158398-2 | FB | 7076 | 6.04 | 170619 | 8.76 | 95312 | 10.91 |

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.: 460-158398-1

SDG No.:

Sample No.: CCVIS 460-530535/3  Date Analyzed: 06/24/2018 09:06

Instrument ID: CVOAMS6  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): F66695.D  Heated Purge: (Y/N) N

Calibration ID: 69272

| | | TBAd9 | | BUT | | FB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 94963 | 3.20 | 120295 | 4.24 | 270311 | 5.32 |
| UPPER LIMIT | | 189926 | 3.70 | 240590 | 4.74 | 540622 | 5.82 |
| LOWER LIMIT | | 47482 | 2.70 | 60148 | 3.74 | 135156 | 4.82 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-530535/4 | | 92722 | 3.21 | 132622 | 4.25 | 284516 | 5.33 |
| LCSD 460-530535/5 | | 114505 | 3.20 | 128945 | 4.25 | 273275 | 5.32 |
| MB 460-530535/8 | | 107270 | 3.20 | 123278 | 4.25 | 263817 | 5.32 |
| 460-158398-4 | MW-54 | 92532 | 3.20 | 105654 | 4.24 | 251527 | 5.32 |

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.: 460-158398-1

SDG No.:

Sample No.: CCVIS 460-530535/3  Date Analyzed: 06/24/2018 09:06

Instrument ID: CVOAMS6  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): F66695.D  Heated Purge: (Y/N) N

Calibration ID: 69272

| | | DXE | | CBNZd5 | | DCBd4 | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 8791 | 6.02 | 188236 | 8.76 | 110903 | 10.91 |
| UPPER LIMIT | | 17582 | 6.52 | 376472 | 9.26 | 221806 | 11.41 |
| LOWER LIMIT | | 4396 | 5.52 | 94118 | 8.26 | 55452 | 10.41 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-530535/4 | | 7228 | 6.02 | 202400 | 8.76 | 117164 | 10.91 |
| LCSD 460-530535/5 | | 9257 | 6.03 | 194338 | 8.76 | 108016 | 10.91 |
| MB 460-530535/8 | | 6972 | 6.04 | 175994 | 8.77 | 100071 | 10.91 |
| 460-158398-4 | MW-54 | 6114 | 6.04 | 173058 | 8.77 | 99026 | 10.91 |

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.: 460-158398-1

SDG No.:

Client Sample ID: TB | Lab Sample ID: 460-158398-1

Matrix: Water | Lab File ID: F66674.D

Analysis Method: 8260C | Date Collected: 06/14/2018 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2018 00:33

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.: 530435 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U * | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 2.7 | U * | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.45 | J B | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID: TB  Lab Sample ID: 460-158398-1

Matrix: Water  Lab File ID: F66674.D

Analysis Method: 8260C  Date Collected: 06/14/2018 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 00:33

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.: 530435  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 98 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 105 | | 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.: 460-158398-1

SDG No.:

Client Sample ID: TB  Lab Sample ID: 460-158398-1

Matrix: Water  Lab File ID: F66674.D

Analysis Method: 8260C  Date Collected: 06/14/2018 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 00:33

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.: 530435  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\CVOAMS6\20180623-74255.b\F66674.D
Lims ID: 460-158398-A-1
Client ID: TB
Sample Type: Client
Inject. Date: 24-Jun-2018 00:33:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-158398-A-1
Misc. Info.: 460-0074255-011
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Jun-2018 09:39:39 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: starzecm Date: 24-Jun-2018 09:39:44

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 21 Carbon disulfide | 76 | 2.954 | 2.954 | 0.000 | 100 | 5946 | 0.4471 | |
| * 26 TBA-d9 (IS) | 65 | 3.193 | 3.201 | -0.008 | 0 | 86439 | 1000.0 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.245 | -0.009 | 0 | 106205 | 250.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.713 | -0.008 | 97 | 64996 | 52.7 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.058 | 0.000 | 0 | 69346 | 46.3 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 250106 | 50.0 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.044 | 6.036 | 0.008 | 0 | 5928 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 100 | 245532 | 47.8 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 86 | 176737 | 50.0 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.037 | 10.029 | 0.008 | 96 | 71456 | 49.0 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 96 | 101063 | 50.0 | |

## Reagents:

VOA6IS/SURR_00011 Amount Added: 5.00 Units: uL Run Reagent

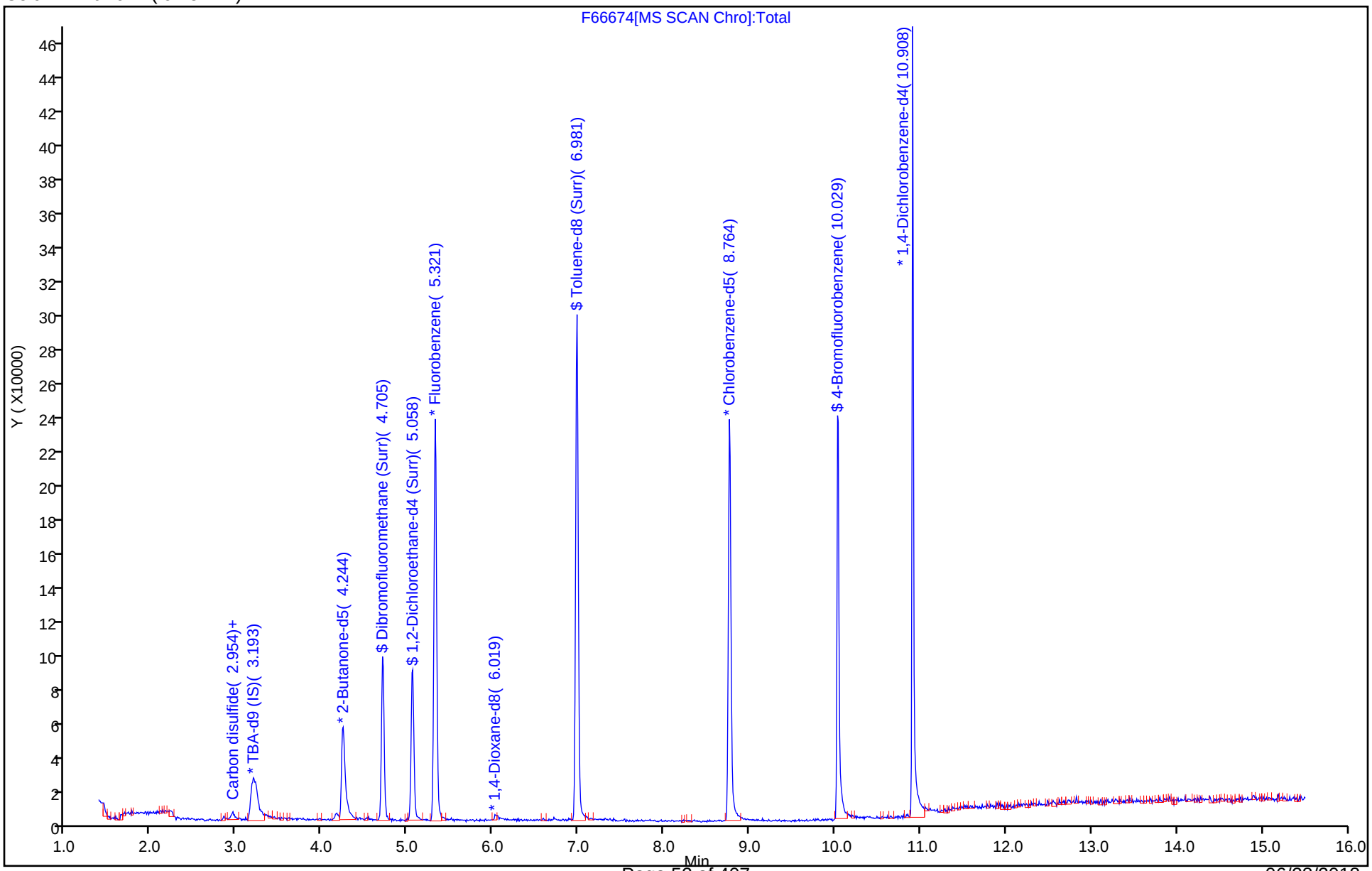
Report Date: 24-Jun-2018 09:39:45 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66674.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 24-Jun-2018 00:33:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | 460-158398-A-1 | Lab Sample ID: | 460-158398-1 | Worklist Smp#: | 11 |
| Client ID: | TB | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 10 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

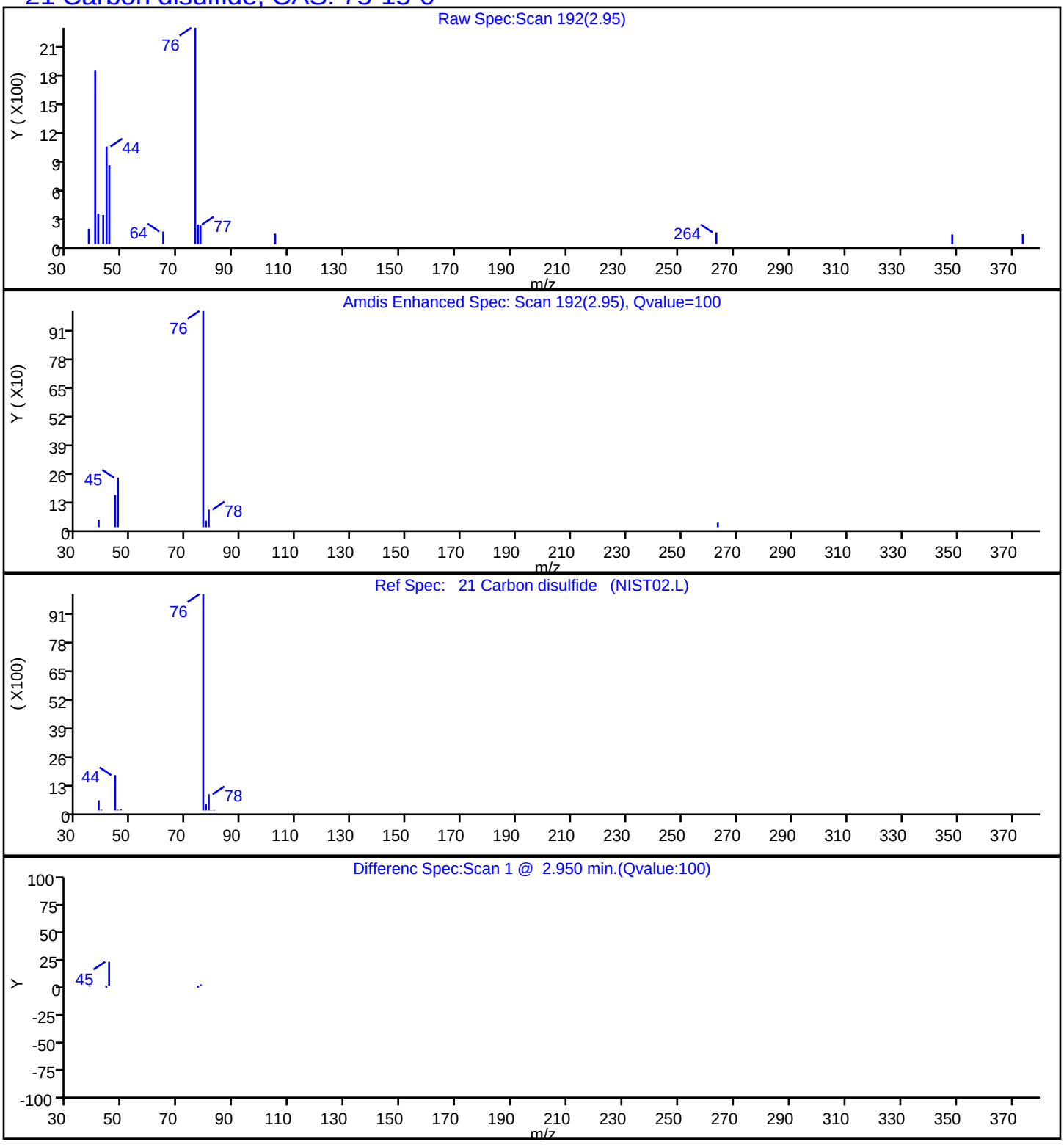
Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66674.D | | |
| Injection Date: | 24-Jun-2018 00:33:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | 460-158398-A-1 | Lab Sample ID: | 460-158398-1 |
| Client ID: | TB | | |
| Operator ID: | | ALS Bottle#: | 10 Worklist Smp#: 11 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 21 Carbon disulfide, CAS: 75-15-0



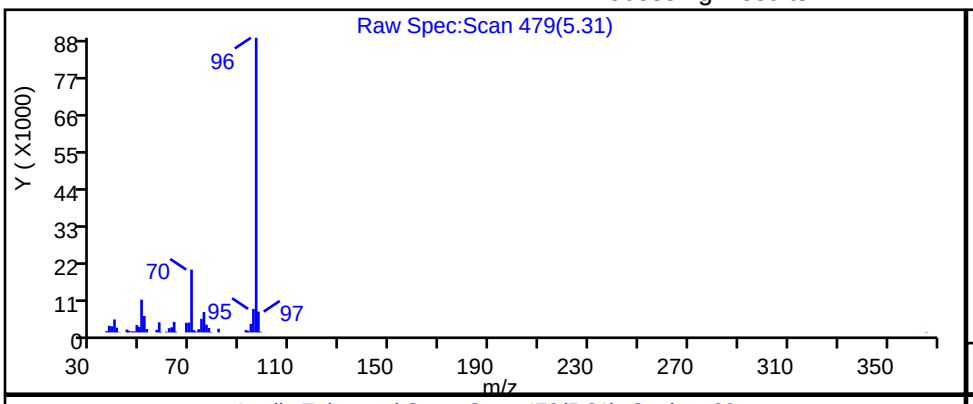
User Disabled Compound Report

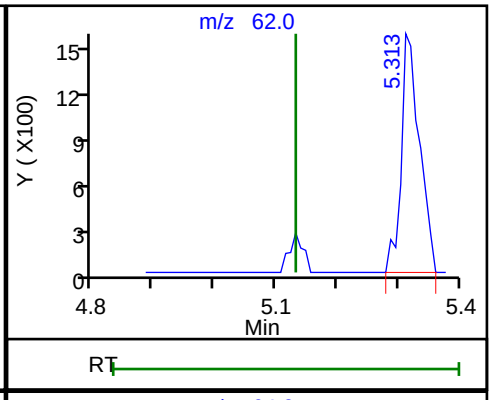
TestAmerica Edison

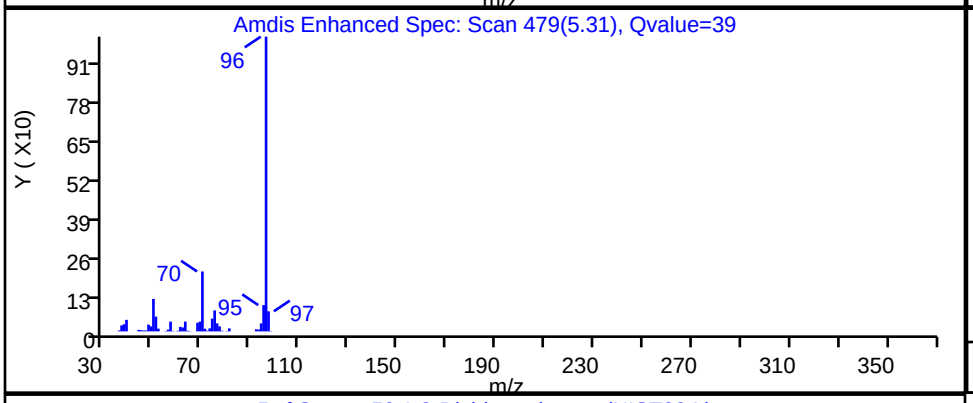
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66674.D | | |
| Injection Date: | 24-Jun-2018 00:33:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | 460-158398-A-1 | Lab Sample ID: | 460-158398-1 |
| Client ID: | TB | | |
| Operator ID: | | ALS Bottle#: | 10 Worklist Smp#: 11 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

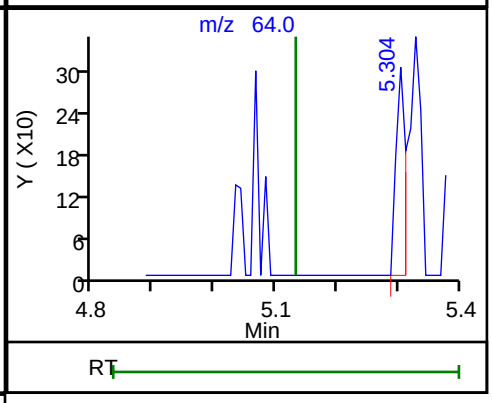
## 59 1,2-Dichloroethane, CAS: 107-06-2

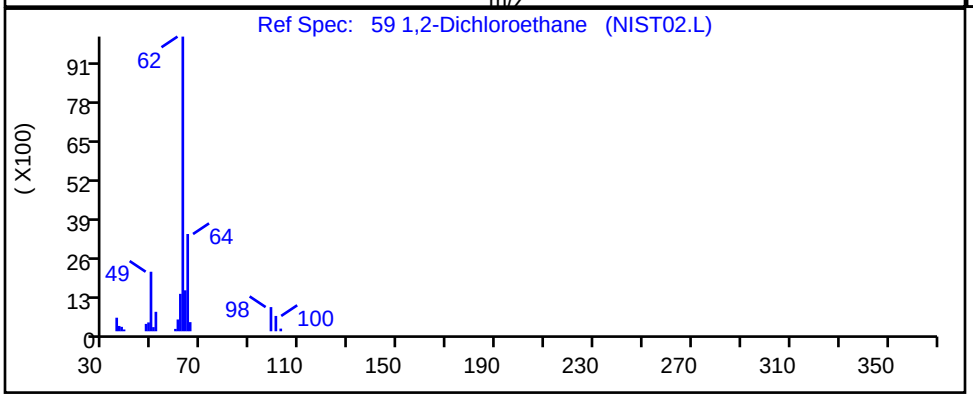
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.31 | 62.00 | 3234 | 0.686276 |
| 5.30 | 64.00 | 321 | |

Reviewer: starzecm, 24-Jun-2018 09:39:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: FB | Lab Sample ID: 460-158398-2

Matrix: Water | Lab File ID: F66675.D

Analysis Method: 8260C | Date Collected: 06/15/2018 08:25

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2018 00:56

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.: 530435 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U * | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 2.7 | U * | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.41 | J B | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID: FB  Lab Sample ID: 460-158398-2

Matrix: Water  Lab File ID: F66675.D

Analysis Method: 8260C  Date Collected: 06/15/2018 08:25

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 00:56

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.: 530435  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 89 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 103 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 104 | | 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.: 460-158398-1

SDG No.:

Client Sample ID: FB | Lab Sample ID: 460-158398-2

Matrix: Water | Lab File ID: F66675.D

Analysis Method: 8260C | Date Collected: 06/15/2018 08:25

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2018 00:56

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.: 530435 | 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\CVOAMS6\20180623-74255.b\F66675.D
Lims ID: 460-158398-A-2
Client ID: FB
Sample Type: Client
Inject. Date: 24-Jun-2018 00:56:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-158398-A-2
Misc. Info.: 460-0074255-012
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Jun-2018 12:35:41 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: starzecm Date: 24-Jun-2018 09:40:17

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 21 Carbon disulfide | 76 | 2.946 | 2.954 | -0.008 | 100 | 5593 | 0.4106 | |
| 27 Methylene Chloride | 84 | 3.201 | 3.193 | 0.008 | 31 | 1097 | 0.2609 | M |
| * 26 TBA-d9 (IS) | 65 | 3.193 | 3.201 | -0.008 | 0 | 90949 | 1000.0 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.245 | 0.000 | 0 | 94942 | 250.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.713 | -0.008 | 96 | 65530 | 51.8 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.058 | 0.000 | 0 | 68433 | 44.6 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 99 | 256201 | 50.0 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.044 | 6.036 | 0.008 | 0 | 7076 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 100 | 241380 | 48.7 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 87 | 170619 | 50.0 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.037 | 10.029 | 0.008 | 94 | 72523 | 51.5 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 95 | 95312 | 50.0 | |

## QC Flag Legend

Review Flags
M - Manually Integrated

## Reagents:

VOA6IS/SURR_00011 Amount Added: 5.00 Units: uL Run Reagent

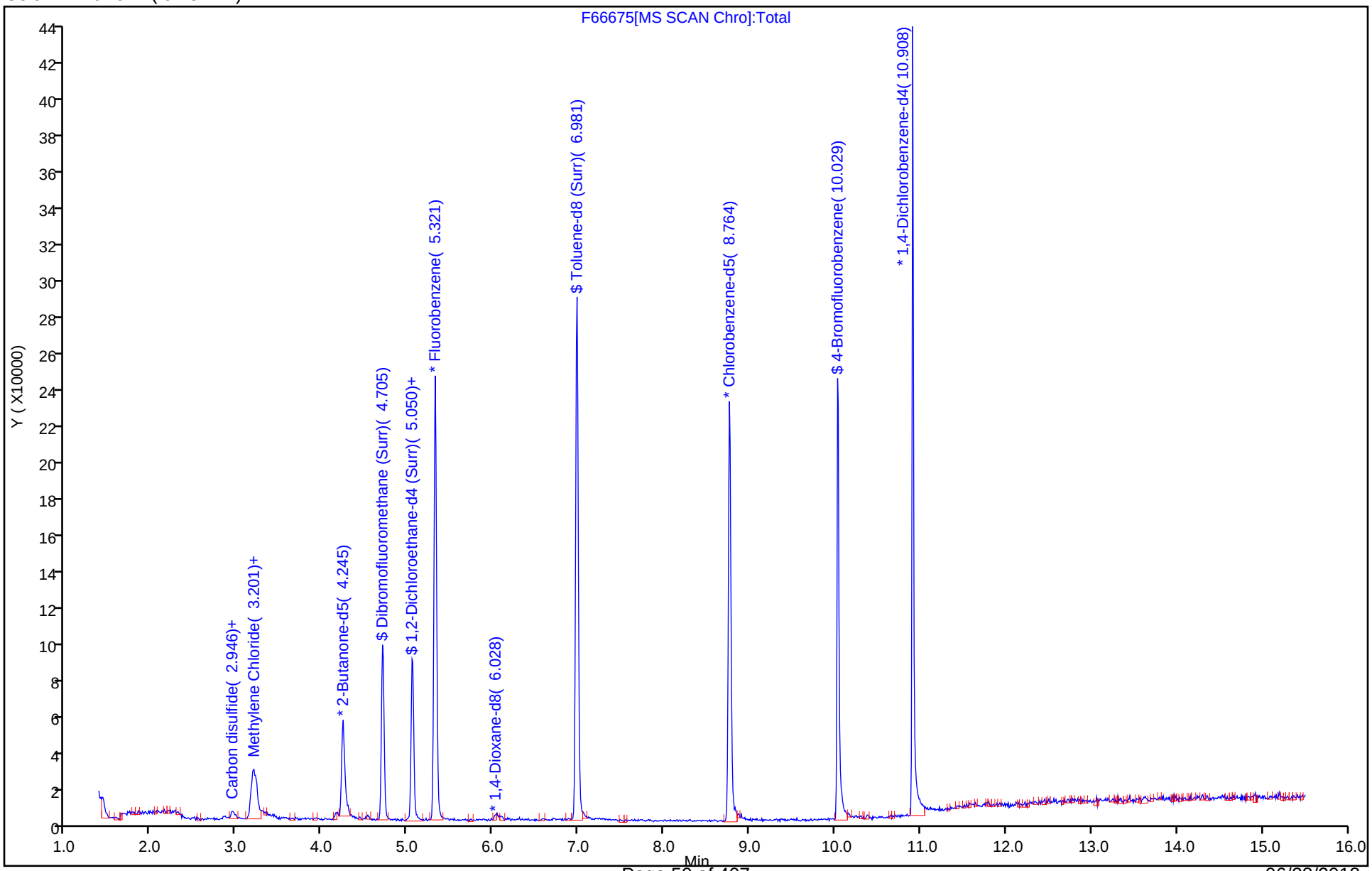
Report Date: 24-Jun-2018 12:35:42 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66675.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 24-Jun-2018 00:56:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | 460-158398-A-2 | Lab Sample ID: | 460-158398-2 | Worklist Smp#: | 12 |
| Client ID: | FB | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 11 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

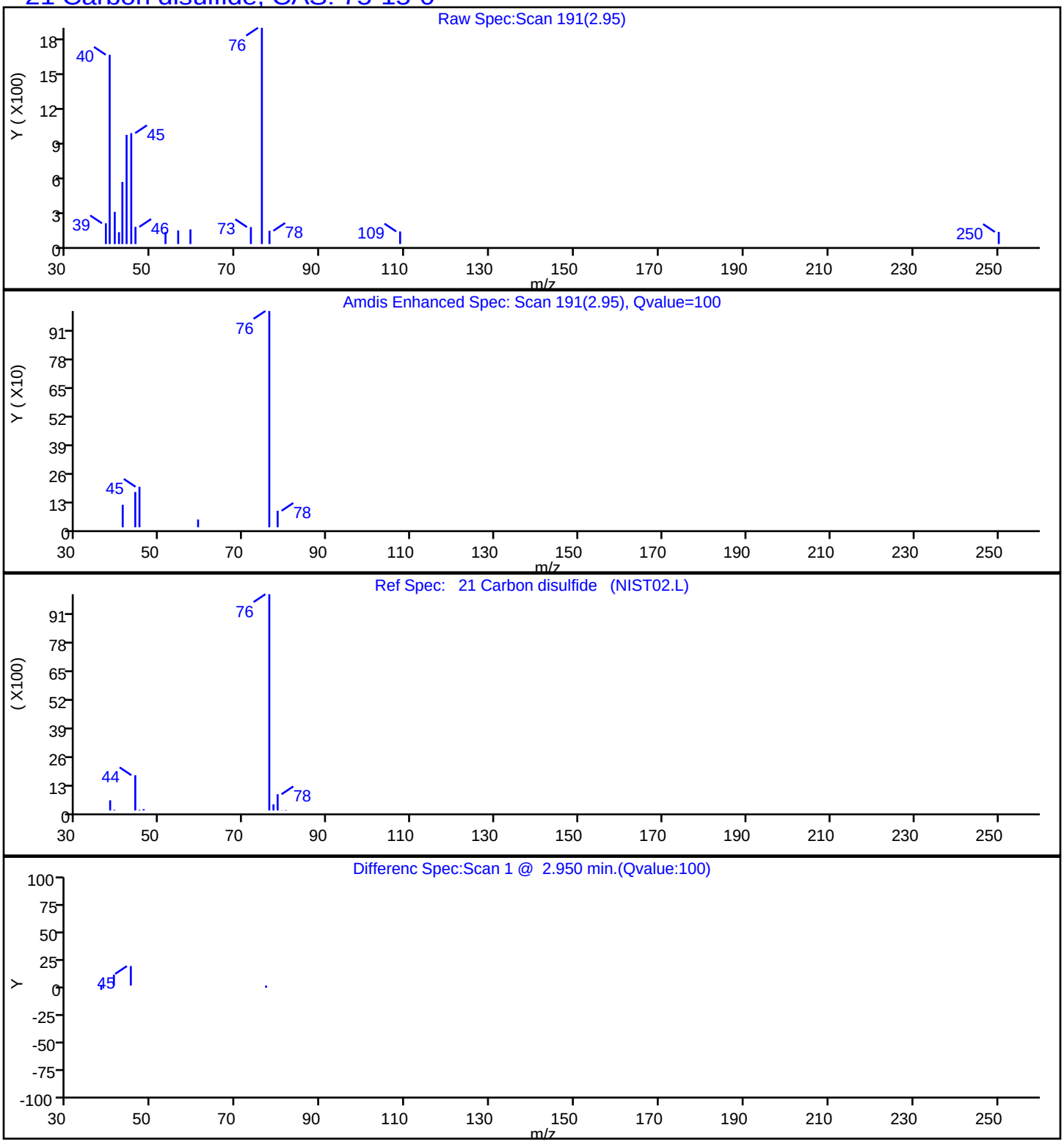
Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66675.D | | | | |
| Injection Date: | 24-Jun-2018 00:56:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | 460-158398-A-2 | Lab Sample ID: | 460-158398-2 | | |
| Client ID: | FB | | | | |
| Operator ID: | | ALS Bottle#: | 11 | Worklist Smp#: | 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 21 Carbon disulfide, CAS: 75-15-0



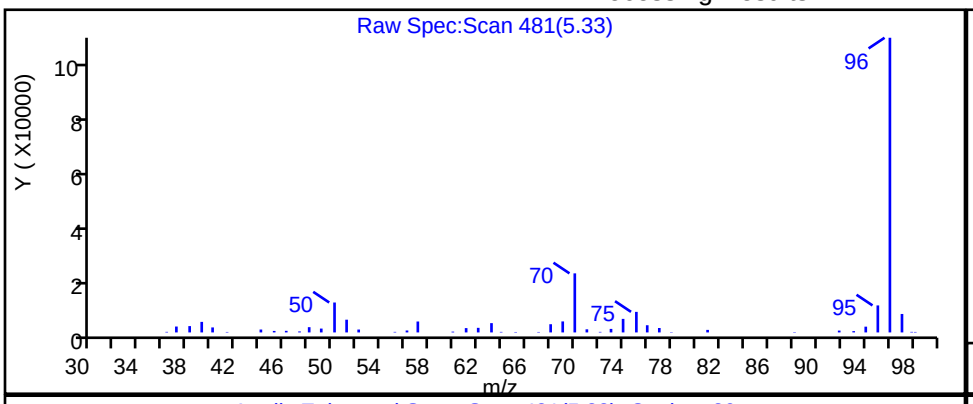
User Disabled Compound Report

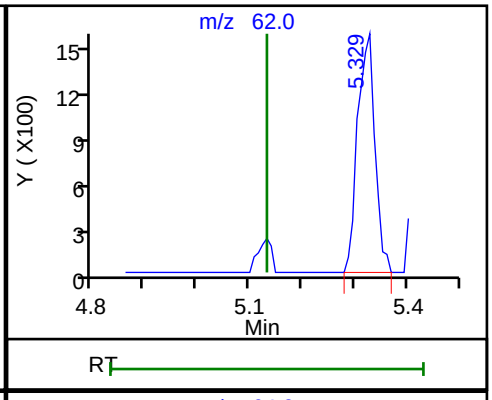
TestAmerica Edison

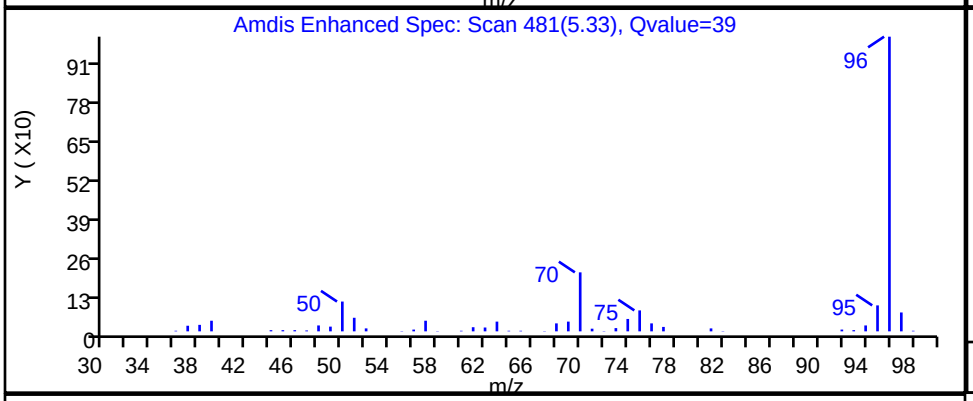
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66675.D | | |
| Injection Date: | 24-Jun-2018 00:56:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | 460-158398-A-2 | Lab Sample ID: | 460-158398-2 |
| Client ID: | FB | | |
| Operator ID: | | ALS Bottle#: | 11 Worklist Smp#: 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

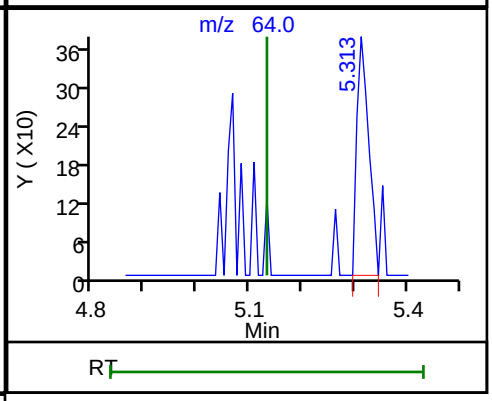
## 59 1,2-Dichloroethane, CAS: 107-06-2

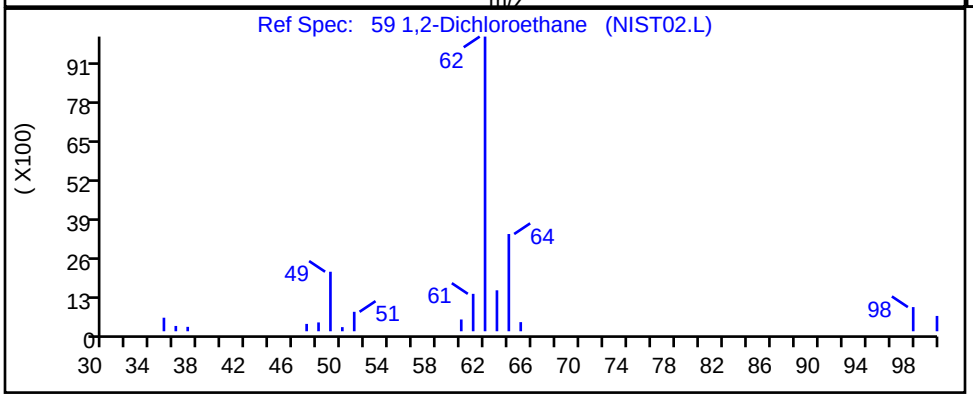
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.33 | 62.00 | 3607 | 0.747219 |
| 5.31 | 64.00 | 594 | |

Reviewer: starzecm, 24-Jun-2018 09:39:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Edison

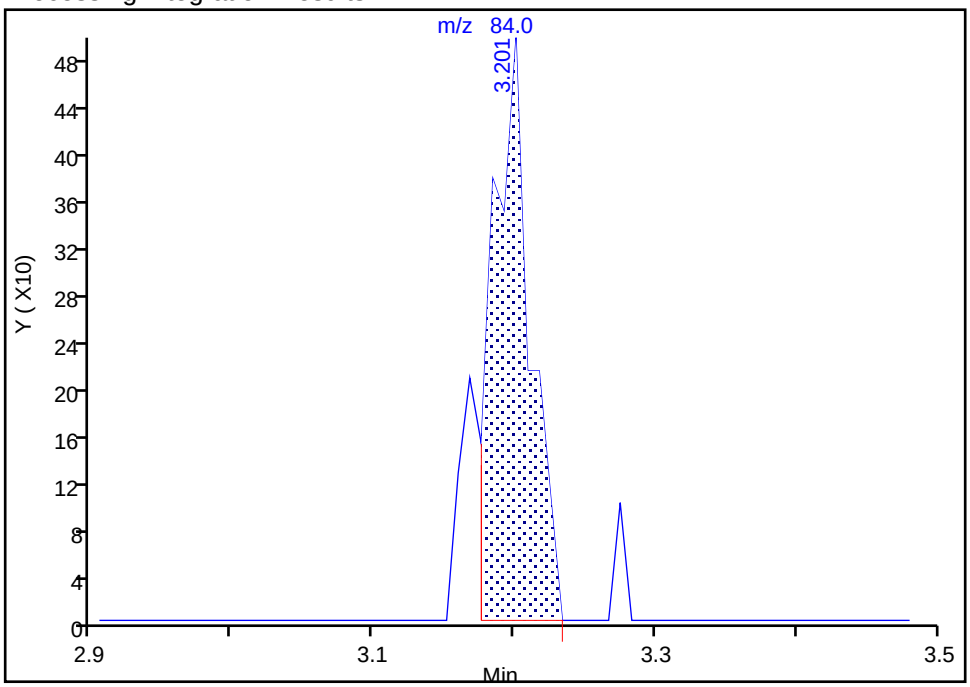
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66675.D | | |
| Injection Date: | 24-Jun-2018 00:56:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | 460-158398-A-2 | Lab Sample ID: | 460-158398-2 |
| Client ID: | FB | | |
| Operator ID: | | ALS Bottle#: | 11 Worklist Smp#: 12 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 27 Methylene Chloride, CAS: 75-09-2

Signal: 1

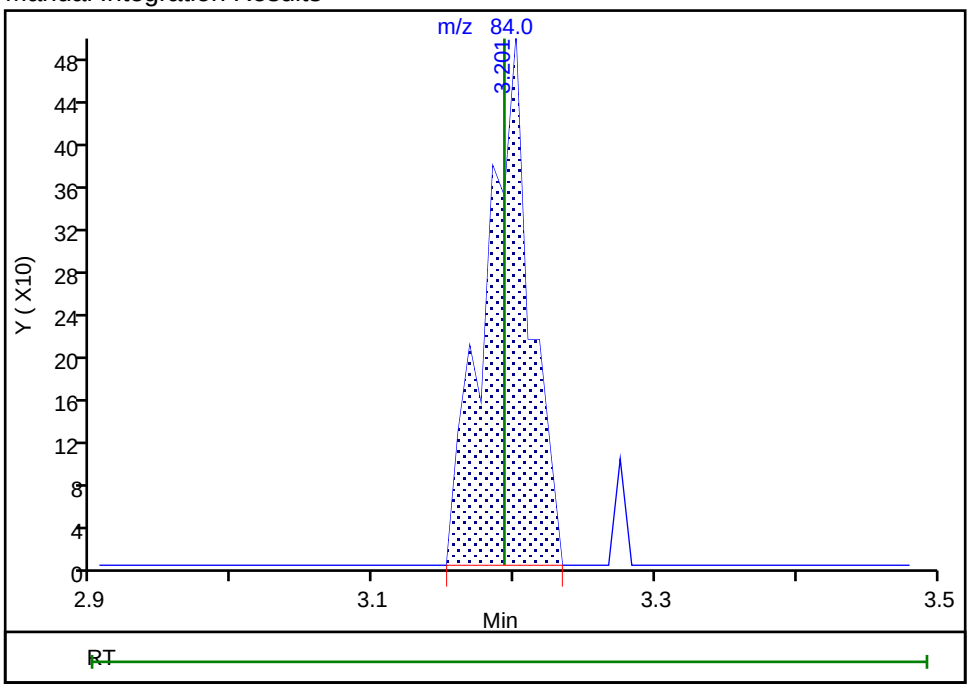
Processing Integration Results

RT: 3.20
Area: 934
Amount: 0.222143
Amount Units: ug/l




Manual Integration Results

RT: 3.20
Area: 1097
Amount: 0.260911
Amount Units: ug/l




Reviewer: xuyvo, 24-Jun-2018 12:35:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: MW-43 | Lab Sample ID: 460-158398-3

Matrix: Water | Lab File ID: A57708.D

Analysis Method: 8260C | Date Collected: 06/15/2018 08:35

Sample wt/vol: 5(mL) | Date Analyzed: 06/25/2018 10:58

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.: 530664 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.69 | J | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 4.2 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID: MW-43  Lab Sample ID: 460-158398-3

Matrix: Water  Lab File ID: A57708.D

Analysis Method: 8260C  Date Collected: 06/15/2018 08:35

Sample wt/vol: 5(mL)  Date Analyzed: 06/25/2018 10:58

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.: 530664  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 91 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 102 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 108 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 95 | | 80-120 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID: MW-43  Lab Sample ID: 460-158398-3

Matrix: Water  Lab File ID: A57708.D

Analysis Method: 8260C  Date Collected: 06/15/2018 08:35

Sample wt/vol: 5(mL)  Date Analyzed: 06/25/2018 10:58

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.: 530664  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\20180625-74307.b\A57708.D
Lims ID: 460-158398-C-3
Client ID: MW-43
Sample Type: Client
Inject. Date: 25-Jun-2018 10:58:30 ALS Bottle#: 4 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-158398-C-3
Misc. Info.: 460-0074307-013
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Jun-2018 11:30:25 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

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

First Level Reviewer: moroneyc Date: 25-Jun-2018 11:30:41

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 28 TBA-d9 (IS) | 65 | 3.323 | 3.317 | 0.006 | 0 | 155263 | 1000.0 | |
| * 39 2-Butanone-d5 | 46 | 4.286 | 4.292 | -0.006 | 0 | 183138 | 250.0 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.683 | 4.682 | 0.001 | 97 | 86898 | 54.0 | |
| 58 Benzene | 78 | 4.945 | 4.945 | 0.000 | 40 | 955 | 0.1279 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 92993 | 45.7 | |
| 62 1,2-Dichloroethane | 62 | 5.018 | 5.018 | 0.000 | 94 | 2002 | 0.6887 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 295417 | 50.0 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 12899 | 1000.0 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 99 | 243843 | 47.4 | |
| * 92 Chlorobenzene-d5 | 117 | 7.658 | 7.657 | 0.001 | 87 | 204006 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 94 | 19657 | 4.21 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.414 | 8.407 | 0.007 | 96 | 86452 | 51.2 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.066 | 9.053 | 0.013 | 95 | 134231 | 50.0 | |

## Reagents:

| | | | |
|---|---|---|---|
| 8260ISNEW_00119 | Amount Added: 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00178 | Amount Added: 1.00 | Units: uL | Run Reagent |

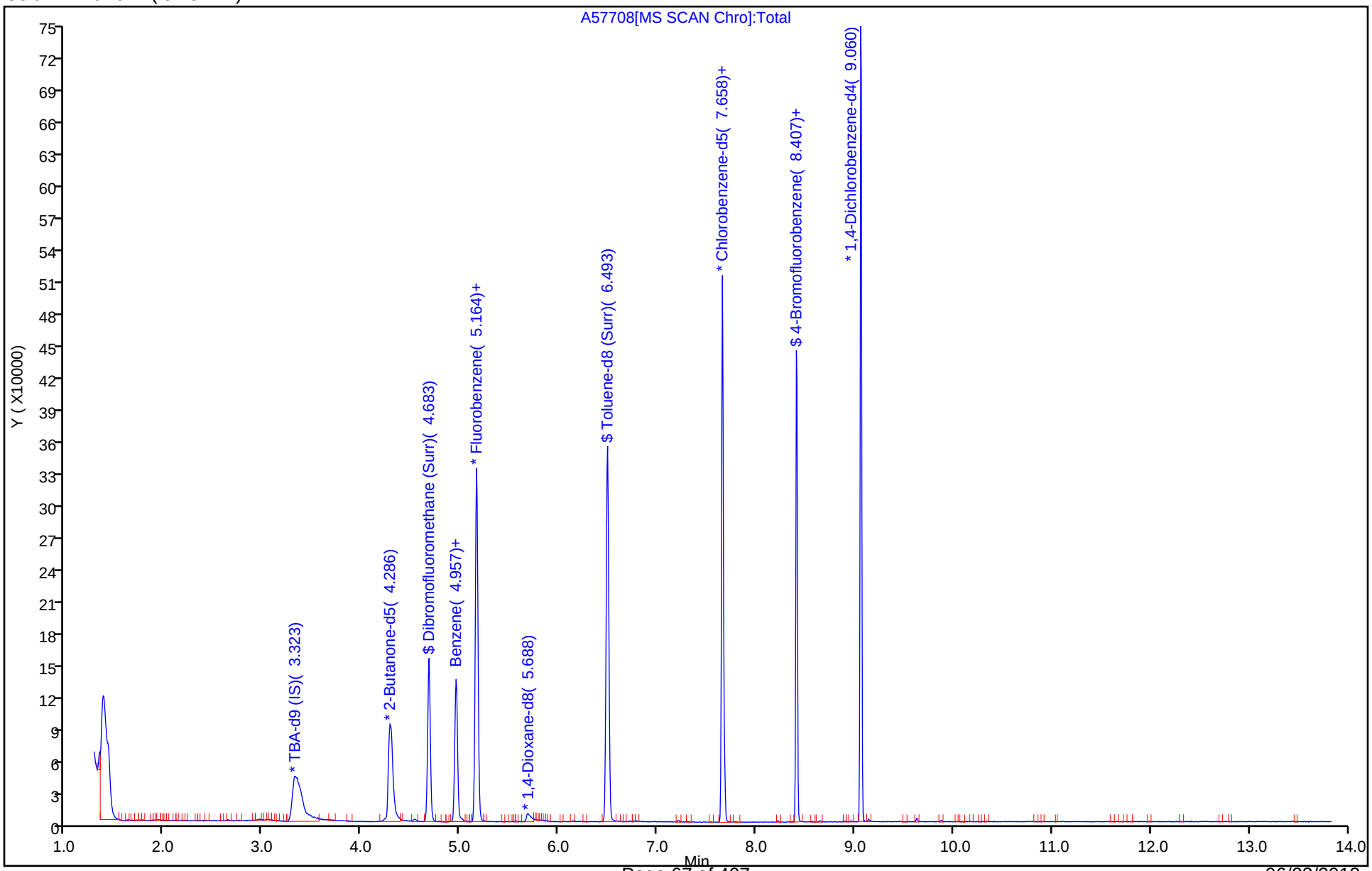
Report Date: 25-Jun-2018 11:30:42 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57708.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 25-Jun-2018 10:58:30 | Instrument ID: | CVOAMS1 | Operator ID: | VOA GC/MS1 |
| Lims ID: | 460-158398-C-3 | Lab Sample ID: | 460-158398-3 | Worklist Smp#: | 13 |
| Client ID: | MW-43 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 4 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

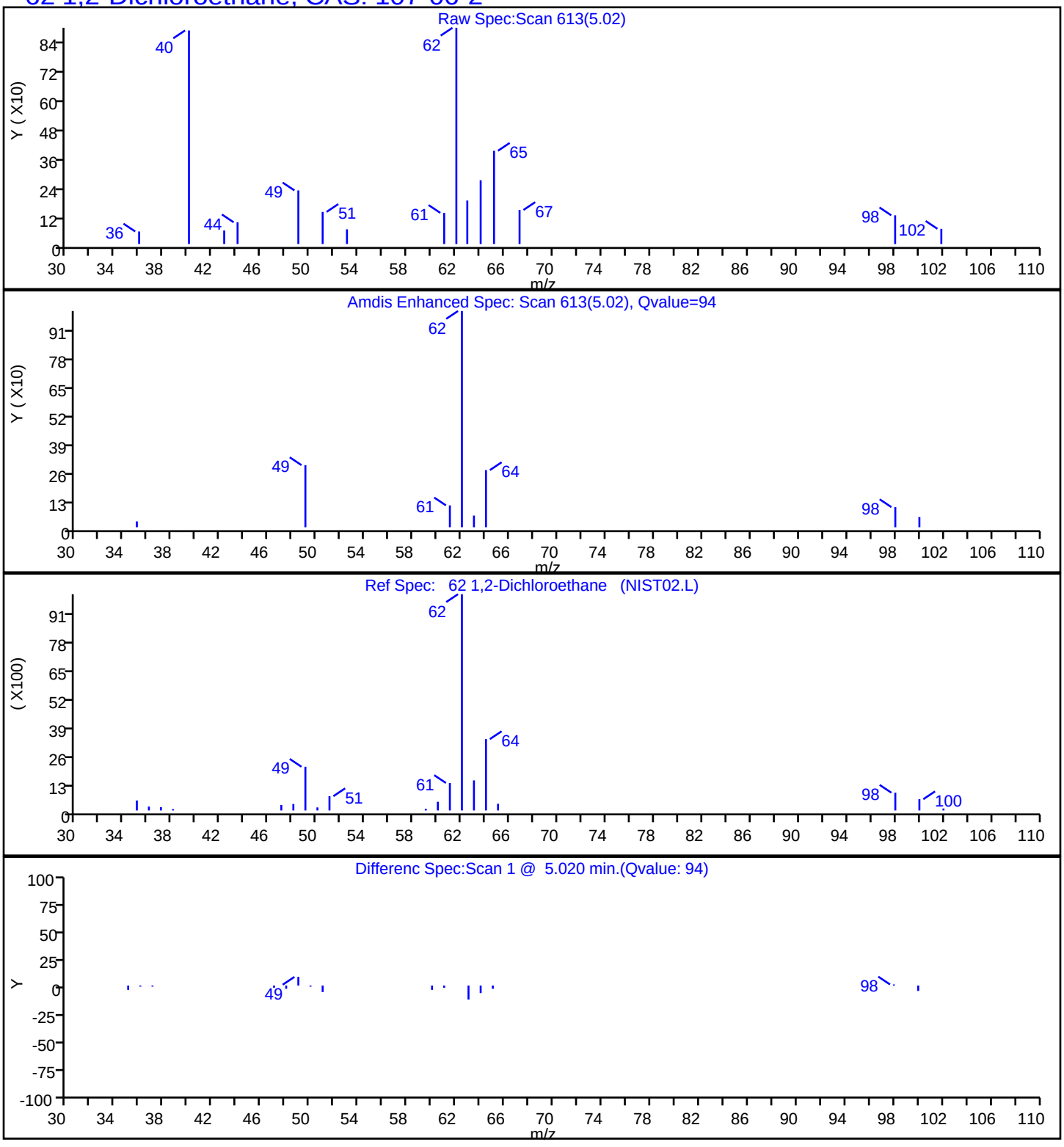
Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57708.D | | | | |
| Injection Date: | 25-Jun-2018 10:58:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | 460-158398-C-3 | Lab Sample ID: | 460-158398-3 | | |
| Client ID: | MW-43 | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 4 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

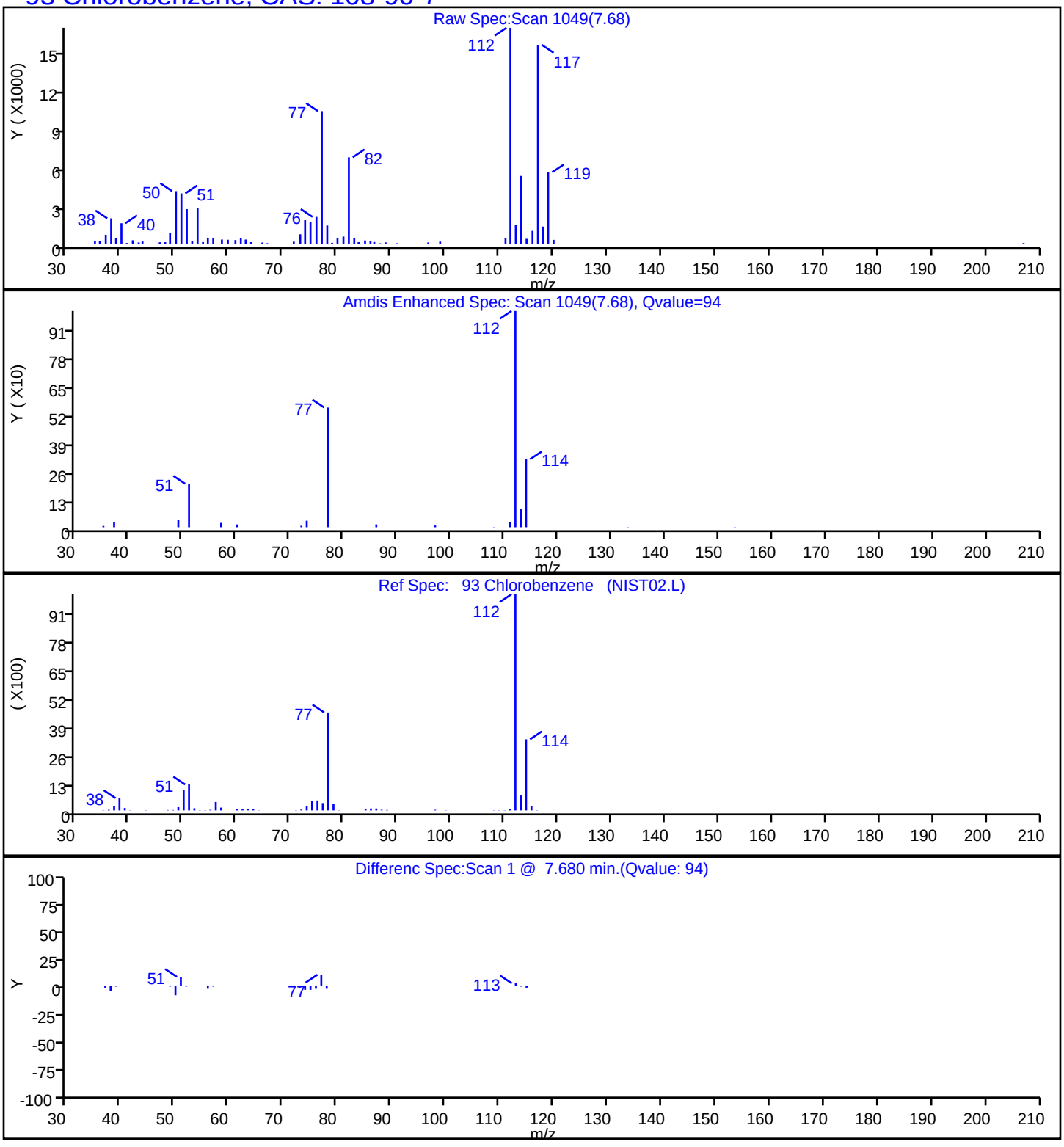
## 62 1,2-Dichloroethane, CAS: 107-06-2



TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57708.D | | | | |
| Injection Date: | 25-Jun-2018 10:58:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | 460-158398-C-3 | Lab Sample ID: | 460-158398-3 | | |
| Client ID: | MW-43 | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 4 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 93 Chlorobenzene, CAS: 108-90-7



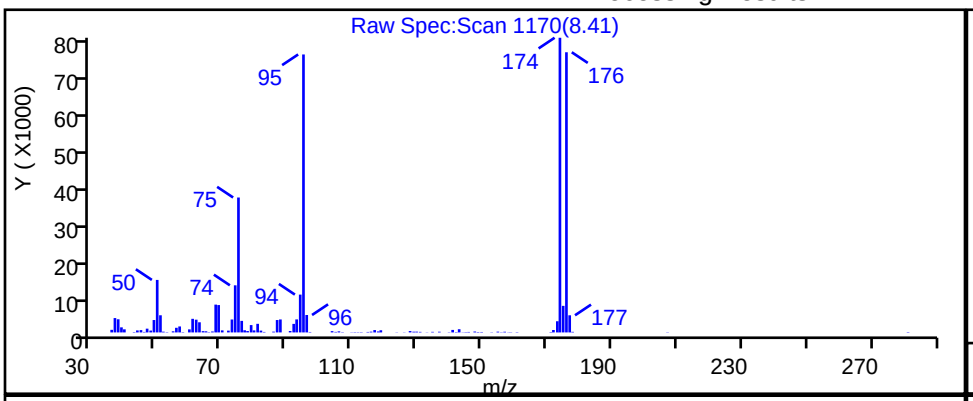
User Disabled Compound Report

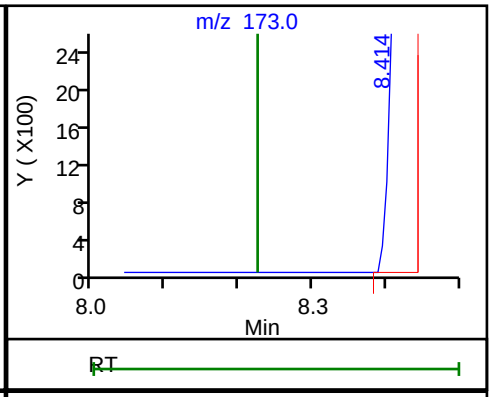
TestAmerica Edison

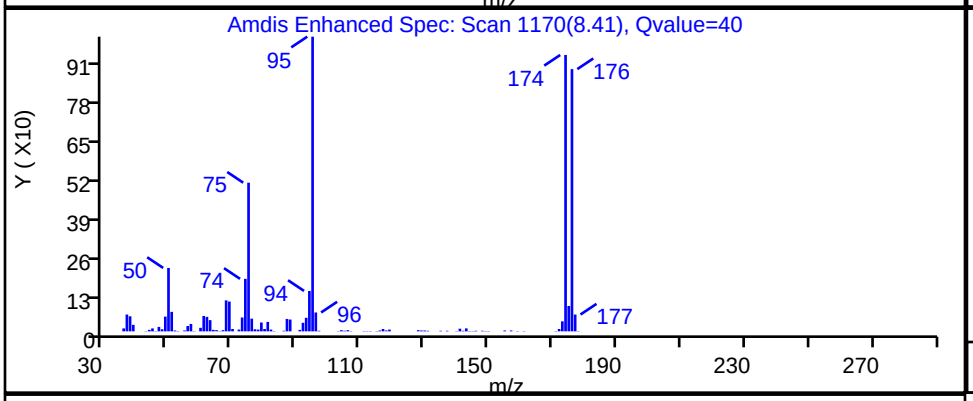
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57708.D | | | | |
| Injection Date: | 25-Jun-2018 10:58:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | 460-158398-C-3 | Lab Sample ID: | 460-158398-3 | | |
| Client ID: | MW-43 | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 4 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

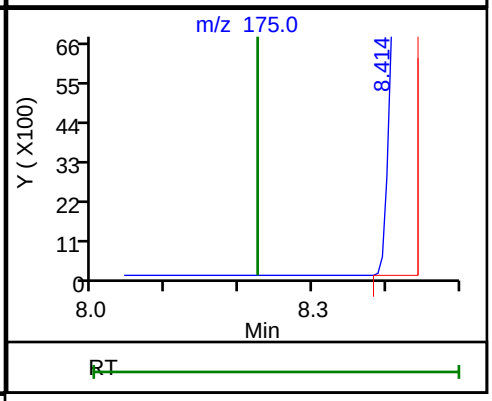
## 101 Bromoform, CAS: 75-25-2

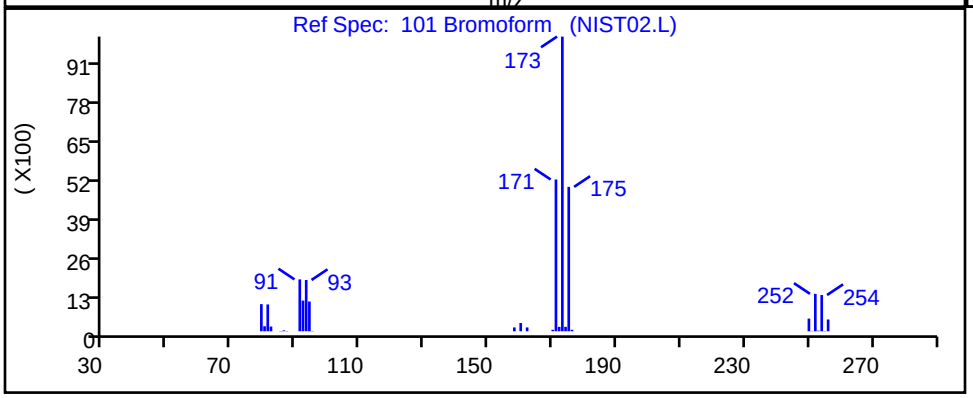
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.41 | 173.00 | 3216 | 3.245053 |
| 8.41 | 175.00 | 7880 | |

Reviewer: moroneyc, 25-Jun-2018 11:29:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: MW-54 | Lab Sample ID: 460-158398-4

Matrix: Water | Lab File ID: F66701.D

Analysis Method: 8260C | Date Collected: 06/15/2018 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2018 11:35

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.: 530535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U * | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 2.7 | U * | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.39 | J B | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 7.7 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Client Sample ID: MW-54 Lab Sample ID: 460-158398-4

Matrix: Water Lab File ID: F66701.D

Analysis Method: 8260C Date Collected: 06/15/2018 10:30

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2018 11:35

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.: 530535 Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 100 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 107 | | 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.: 460-158398-1

SDG No.:

Client Sample ID: MW-54  Lab Sample ID: 460-158398-4

Matrix: Water  Lab File ID: F66701.D

Analysis Method: 8260C  Date Collected: 06/15/2018 10:30

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 11:35

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.: 530535  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\CVOAMS6\20180624-74278.b\F66701.D
Lims ID: 460-158398-B-4
Client ID: MW-54
Sample Type: Client
Inject. Date: 24-Jun-2018 11:35:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-158398-B-4
Misc. Info.: 460-0074278-009
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Jun-2018 06:36:21 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

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

First Level Reviewer: moroneyc Date: 25-Jun-2018 06:31:15

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 21 Carbon disulfide | 76 | 2.946 | 2.938 | 0.008 | 98 | 5245 | 0.3922 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 92532 | 1000.0 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.236 | 0.000 | 0 | 105654 | 250.0 | |
| 48 Chloroform | 83 | 4.549 | 4.549 | 0.001 | 90 | 1887 | 0.2979 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 98 | 66086 | 53.3 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.050 | 5.050 | 0.000 | 0 | 70528 | 46.8 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 251527 | 50.0 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.044 | 6.019 | 0.025 | 0 | 6114 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.973 | 0.009 | 99 | 241245 | 48.0 | |
| 83 Tetrachloroethene | 166 | 7.671 | 7.663 | 0.008 | 96 | 27650 | 7.75 | |
| * 89 Chlorobenzene-d5 | 117 | 8.772 | 8.764 | 0.008 | 86 | 173058 | 50.0 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.037 | 10.029 | 0.008 | 92 | 71288 | 49.9 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 96 | 99026 | 50.0 | |

## Reagents:

VOA6IS/SURR_00011 Amount Added: 5.00 Units: uL Run Reagent

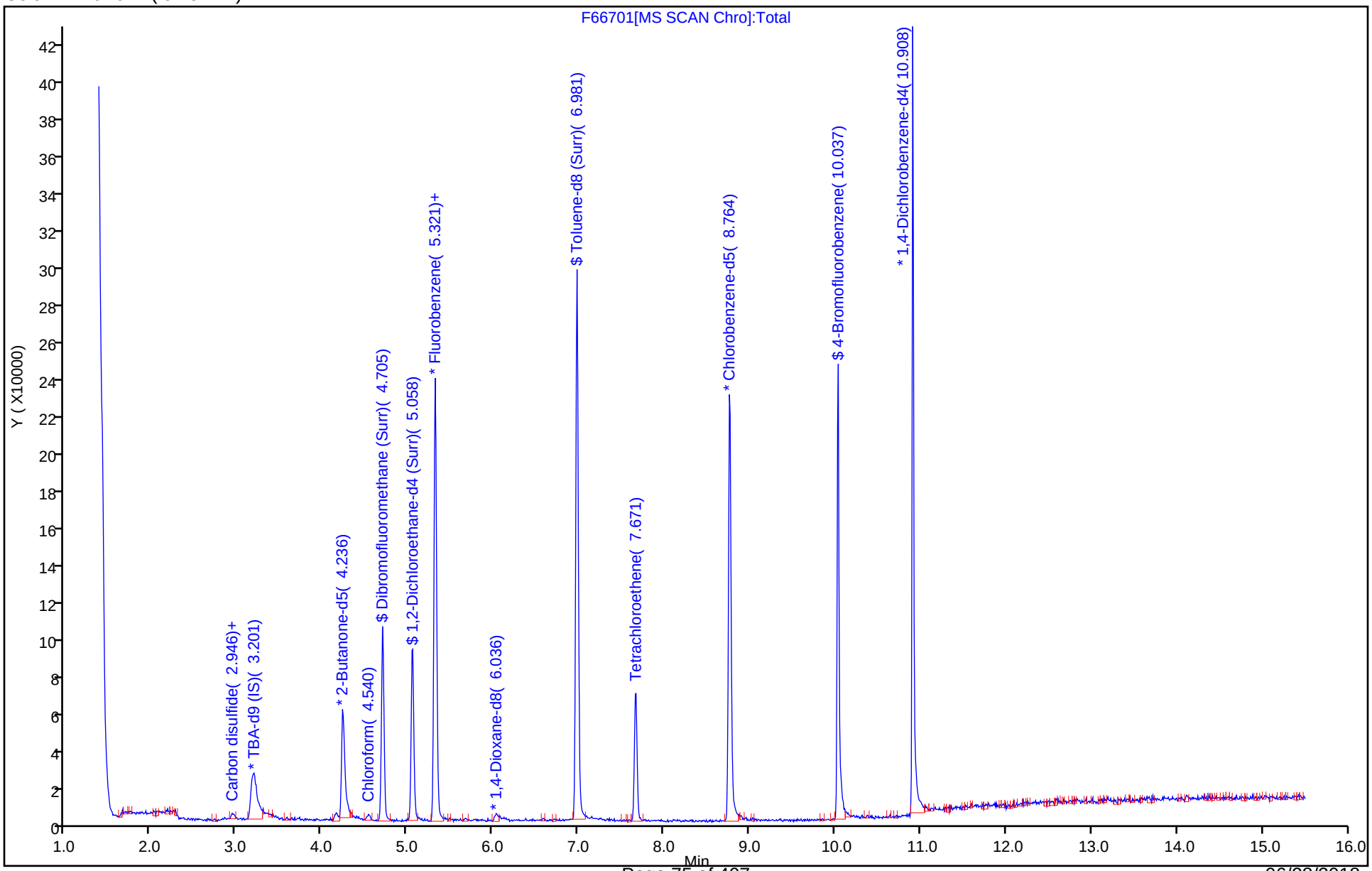
Report Date: 25-Jun-2018 06:41:45 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66701.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 24-Jun-2018 11:35:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | 460-158398-B-4 | Lab Sample ID: | 460-158398-4 | Worklist Smp#: | 9 |
| Client ID: | MW-54 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 8 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

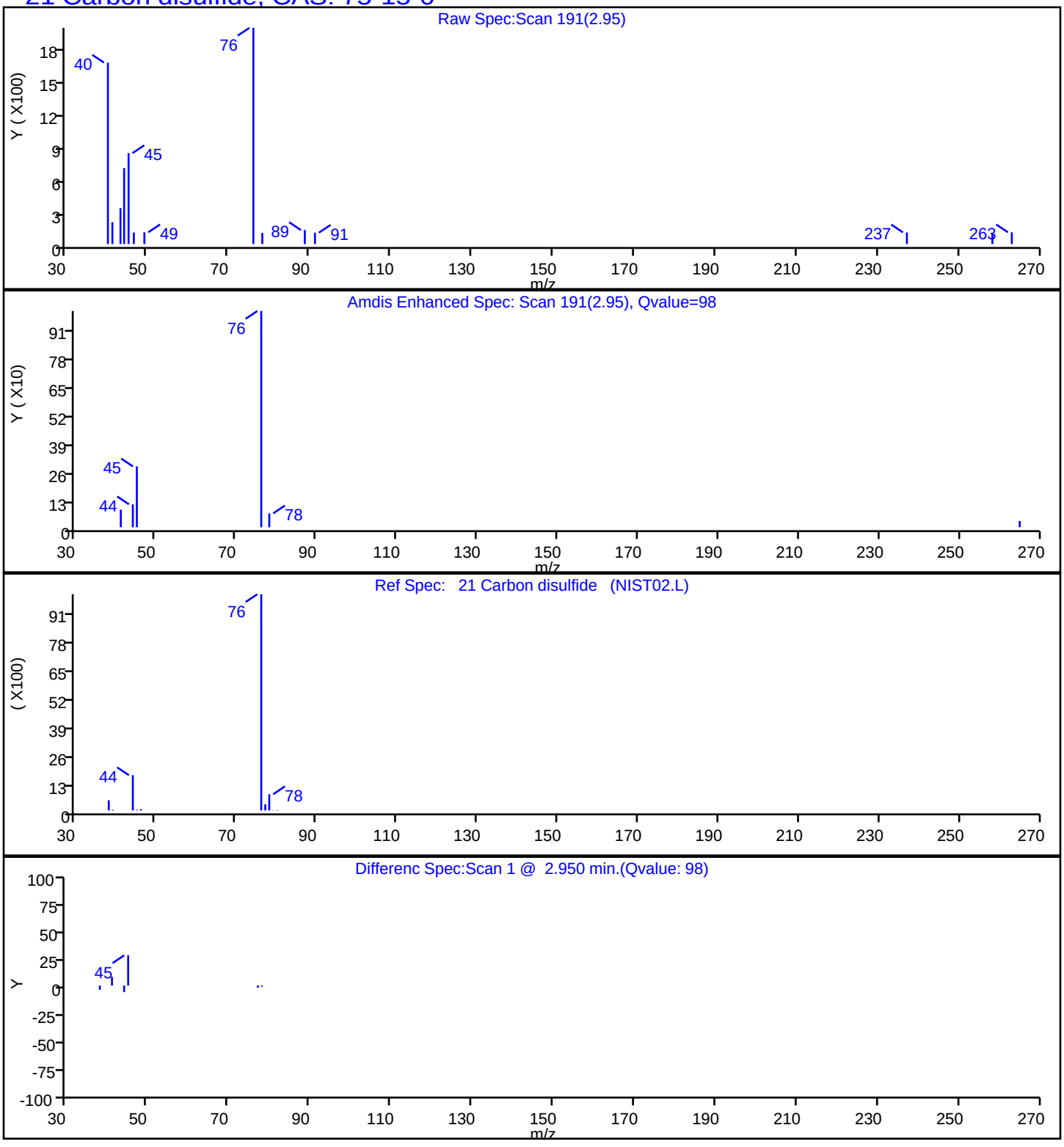
Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66701.D
Injection Date: 24-Jun-2018 11:35:30 Instrument ID: CVOAMS6
Lims ID: 460-158398-B-4 Lab Sample ID: 460-158398-4
Client ID: MW-54
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 21 Carbon disulfide, CAS: 75-15-0

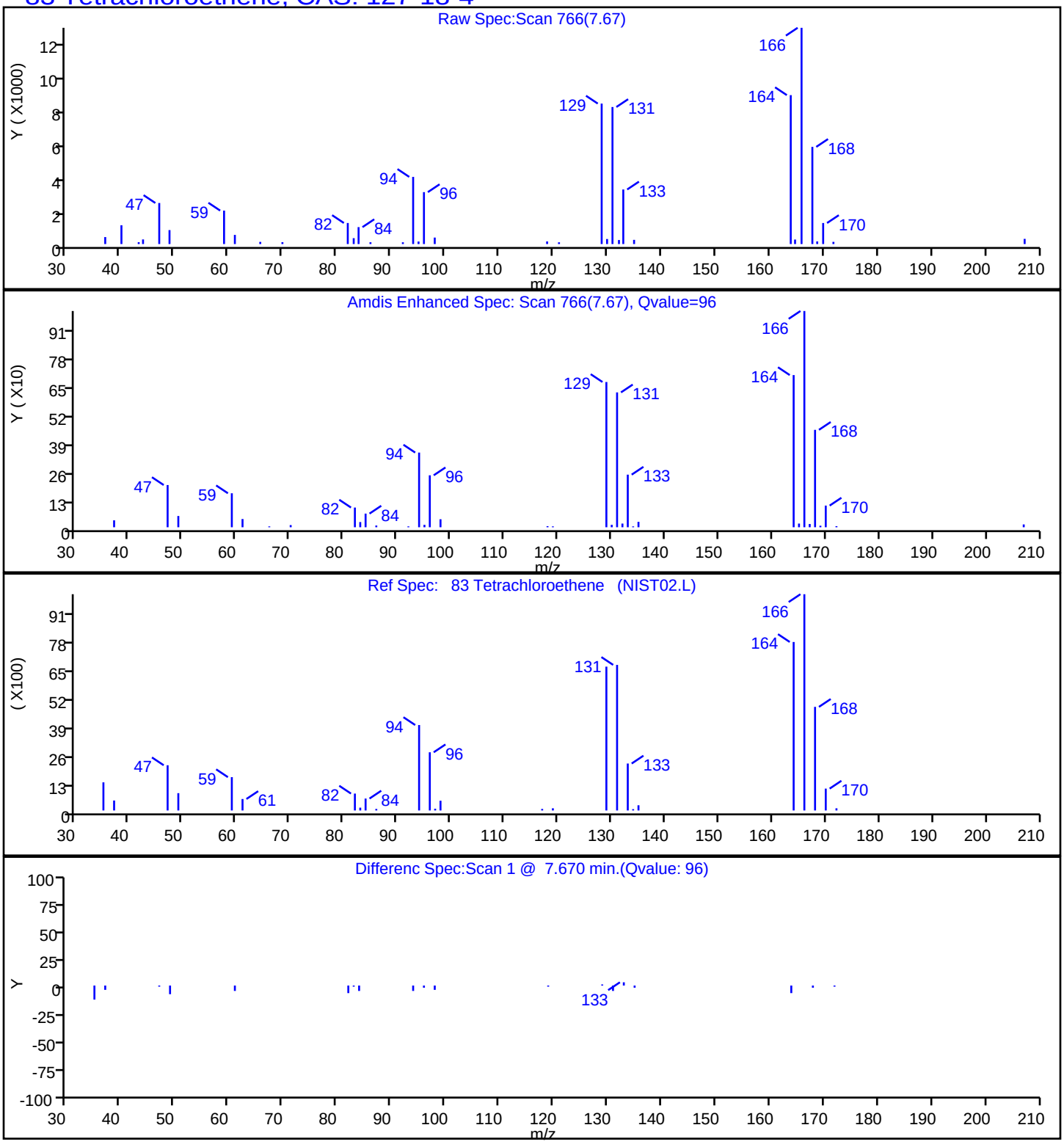


TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66701.D

| | | | |
|---|---|---|---|
| Injection Date: | 24-Jun-2018 11:35:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | 460-158398-B-4 | Lab Sample ID: | 460-158398-4 |
| Client ID: | MW-54 | | |
| Operator ID: | | ALS Bottle#: | 8 Worklist Smp#: 9 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 83 Tetrachloroethene, CAS: 127-18-4



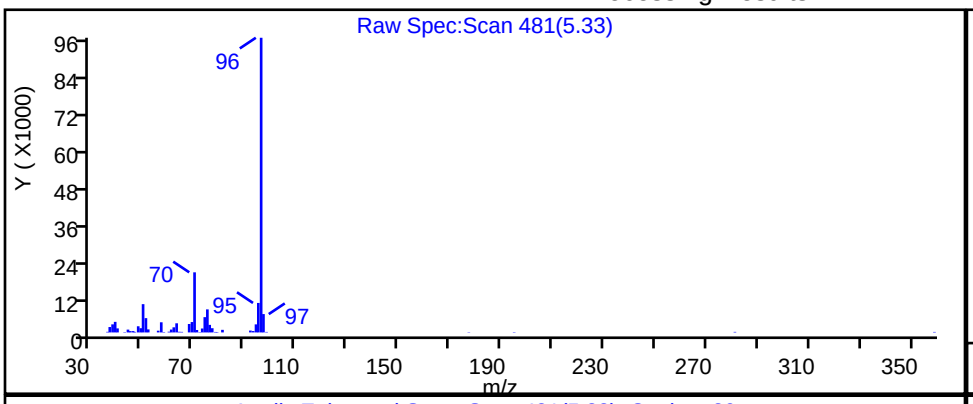
User Disabled Compound Report

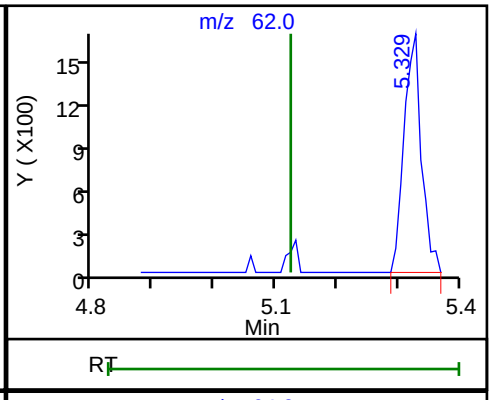
TestAmerica Edison

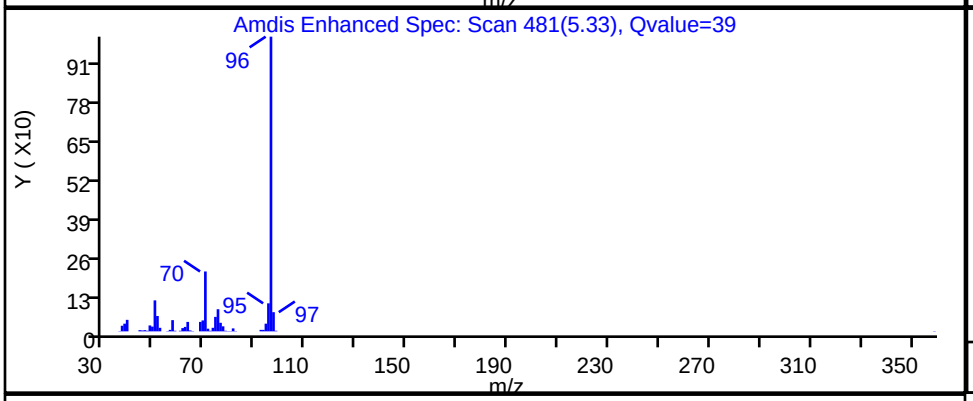
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66701.D | | |
| Injection Date: | 24-Jun-2018 11:35:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | 460-158398-B-4 | Lab Sample ID: | 460-158398-4 |
| Client ID: | MW-54 | | |
| Operator ID: | | ALS Bottle#: | 8 Worklist Smp#: 9 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

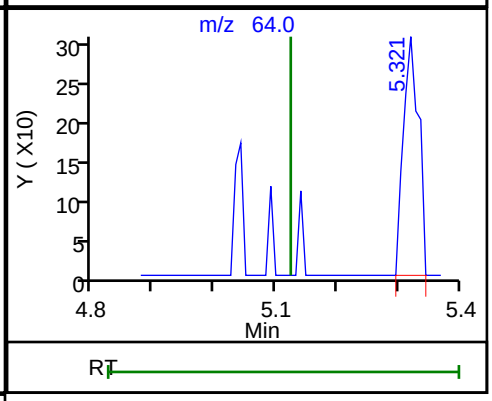
## 59 1,2-Dichloroethane, CAS: 107-06-2

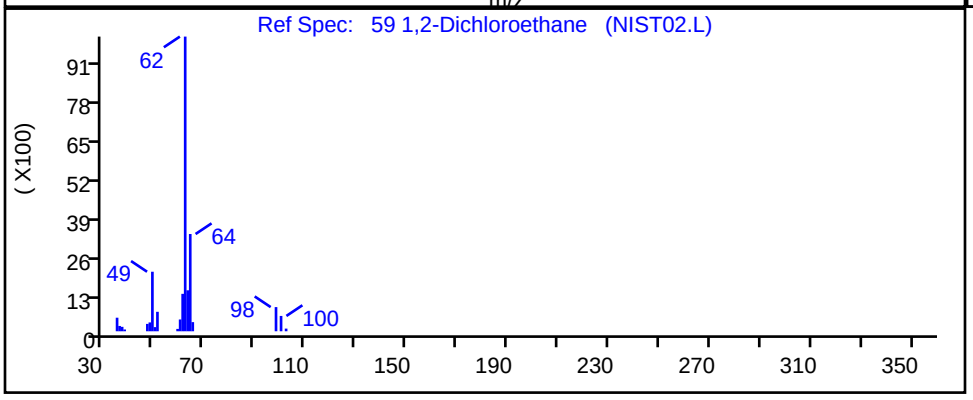
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.33 | 62.00 | 3312 | 0.698857 |
| 5.32 | 64.00 | 537 | |

Reviewer: starzecm, 24-Jun-2018 11:56:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD7 460-515755/3 | A54973.D |
| Level 2 | STD1 460-515755/4 | A54974.D |
| Level 3 | STD5 460-515755/5 | A54975.D |
| Level 4 | STD20 460-515755/6 | A54976.D |
| Level 5 | STD50 460-515755/7 | A54977.D |
| Level 6 | STD200 460-515755/8 | A54978.D |
| Level 7 | STD500 460-515755/9 | A54979.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Chlorotrifluoroethene | +++++ 0.1775 | 0.1757 0.1659 | 0.2037 | 0.2111 | 0.1876 | Ave | | 0.1869 | | | | 9.3 | | 20.0 | | | |
| Dichlorodifluoromethane | +++++ 0.4687 | 0.5522 0.4377 | 0.4751 | 0.5443 | 0.5131 | Ave | | 0.4985 | | | 0.1000 | 9.1 | | 20.0 | | | |
| Chloromethane | +++++ 0.5092 | 0.7148 0.4502 | 0.6579 | 0.6225 | 0.5982 | Ave | | 0.5921 | | | 0.1000 | 16.4 | | 20.0 | | | |
| Butadiene | +++++ 0.4755 | 0.6174 0.4392 | 0.5101 | 0.5475 | 0.5342 | Ave | | 0.5206 | | | | 11.9 | | 20.0 | | | |
| Vinyl chloride | +++++ 0.4654 | 0.6093 0.4250 | 0.5411 | 0.5547 | 0.5364 | Ave | | 0.5220 | | | 0.1000 | 12.7 | | 20.0 | | | |
| Bromomethane | +++++ 0.2826 | 0.4082 0.2478 | 0.3668 | 0.3550 | 0.3353 | Ave | | 0.3326 | | | 0.1000 | 17.6 | | 20.0 | | | |
| Chloroethane | +++++ 0.2664 | 0.4309 +++++ | 0.3444 | 0.3385 | 0.3119 | Ave | | 0.3384 | | | 0.1000 | 17.8 | | 20.0 | | | |
| Dichlorofluoromethane | +++++ 0.6364 | 0.8975 0.5630 | 0.8027 | 0.7765 | 0.7407 | Ave | | 0.7361 | | | | 16.3 | | 20.0 | | | |
| Pentane | +++++ 2.0737 | 2.5700 1.9442 | 2.4095 | 2.3218 | 2.1696 | Ave | | 2.2481 | | | | 10.2 | | 20.0 | | | |
| Trichlorofluoromethane | +++++ 0.5228 | 0.6649 0.4733 | 0.5588 | 0.6152 | 0.5847 | Ave | | 0.5700 | | | 0.1000 | 11.9 | | 20.0 | | | |
| Ethanol | +++++ 0.0708 | 0.0683 0.0613 | 0.0693 | 0.0748 | 0.0747 | Ave | | 0.0699 | | | | 7.2 | | 20.0 | | | |
| Ethyl ether | +++++ 0.2683 | 0.3362 0.2215 | 0.2986 | 0.2922 | 0.2866 | Ave | | 0.2839 | | | | 13.3 | | 20.0 | | | |
| 2-Methyl-1,3-butadiene | +++++ 0.2885 | 0.3536 0.2556 | 0.3243 | 0.3318 | 0.3252 | Ave | | 0.3132 | | | | 11.2 | | 20.0 | | | |
| 1,2-Dichloro-1,1,2-trifluoroethane | +++++ 0.2362 | 0.3079 0.2153 | 0.2945 | 0.2953 | 0.2767 | Ave | | 0.2710 | | | | 13.7 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Acrolein | +++++<br>1.9589 | 2.5188<br>1.6369 | 2.3313 | 2.1901 | 2.2199 | Ave | | 2.1427 | | | | 14.4 | | 20.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | +++++<br>0.2805 | 0.3185<br>0.2686 | 0.3477 | 0.3499 | 0.3174 | Ave | | 0.3138 | | | 0.1000 | 10.7 | | 20.0 | | | |
| 1,1-Dichloroethene | +++++<br>0.2759 | 0.3441<br>0.2524 | 0.3170 | 0.3232 | 0.3043 | Ave | | 0.3028 | | | 0.1000 | 11.1 | | 20.0 | | | |
| Acetone | +++++<br>0.2157 | 0.2401<br>0.1923 | 0.2551 | 0.2372 | 0.2345 | Ave | | 0.2292 | | | 0.0500 | 9.6 | | 20.0 | | | |
| Iodomethane | +++++<br>0.4963 | 0.5917<br>0.4542 | 0.5824 | 0.5693 | 0.5479 | Ave | | 0.5403 | | | | 10.0 | | 20.0 | | | |
| Carbon disulfide | +++++<br>1.0198 | 1.2211<br>0.9681 | 1.1424 | 1.1421 | 1.0940 | Ave | | 1.0979 | | | 0.1000 | 8.4 | | 20.0 | | | |
| Isopropyl alcohol | +++++<br>0.8830 | 1.0668<br>0.7362 | 0.8881 | 0.9423 | 0.8609 | Ave | | 0.8962 | | | | 12.1 | | 20.0 | | | |
| Allyl chloride | +++++<br>0.1969 | 0.2088<br>0.1824 | 0.2193 | 0.2072 | 0.1834 | Ave | | 0.1997 | | | | 7.4 | | 20.0 | | | |
| Cyclopentene | +++++<br>0.7617 | 0.8286<br>0.6985 | 0.8458 | 0.8308 | 0.7913 | Ave | | 0.7928 | | | | 7.0 | | 20.0 | | | |
| Methyl acetate | +++++<br>0.2906 | 0.3066<br>0.2612 | 0.3164 | 0.3055 | 0.3014 | Ave | | 0.2970 | | | 0.1000 | 6.5 | | 20.0 | | | |
| Acetonitrile | +++++<br>1.1176 | 1.1493<br>0.9656 | 1.4156 | 1.2898 | 1.2137 | Ave | | 1.1919 | | | | 12.9 | | 20.0 | | | |
| Methylene Chloride | +++++<br>0.3513 | 0.4314<br>0.3194 | 0.4167 | 0.4139 | 0.3914 | Ave | | 0.3873 | | | 0.1000 | 11.2 | | 20.0 | | | |
| 2-Methyl-2-propanol | +++++<br>1.3382 | 1.6156<br>1.3155 | 1.3779 | 1.2897 | 1.2553 | Ave | | 1.3654 | | | | 9.5 | | 20.0 | | | |
| Methyl tert-butyl ether | +++++<br>0.9131 | 1.0003<br>0.8322 | 0.9781 | 0.9940 | 0.9826 | Ave | | 0.9501 | | | 0.1000 | 6.9 | | 20.0 | | | |
| trans-1,2-Dichloroethene | +++++<br>0.3165 | 0.3839<br>0.2886 | 0.3521 | 0.3530 | 0.3458 | Ave | | 0.3400 | | | 0.1000 | 9.7 | | 20.0 | | | |
| Acrylonitrile | 0.1377<br>0.1402 | 0.1508<br>0.1312 | 0.1521 | 0.1511 | 0.1486 | Ave | | 0.1445 | | | | 5.6 | | 20.0 | | | |
| Hexane | +++++<br>0.3166 | 0.3675<br>0.2928 | 0.3483 | 0.3575 | 0.3257 | Ave | | 0.3347 | | | | 8.4 | | 20.0 | | | |
| Isopropyl ether | +++++<br>1.1453 | 1.2612<br>1.0305 | 1.2073 | 1.2203 | 1.2093 | Ave | | 1.1790 | | | | 6.9 | | 20.0 | | | |
| 1,1-Dichloroethane | +++++<br>0.6105 | 0.7444<br>0.5534 | 0.6754 | 0.6759 | 0.6607 | Ave | | 0.6534 | | | 0.2000 | 10.0 | | 20.0 | | | |
| Vinyl acetate | +++++<br>2.8307 | 1.9530<br>2.7028 | 1.6601 | 2.3411 | 2.4945 | Ave | | 2.3304 | | | | 19.3 | | 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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Chloro-1,3-butadiene | +++++<br>0.2843 | 0.2873<br>0.2602 | 0.2815 | 0.3005 | 0.3005 | Ave | | 0.2857 | | | | 5.2 | | 20.0 | | | |
| Tert-butyl ethyl ether | +++++<br>0.9744 | 0.9897<br>0.8830 | 0.9996 | 1.0186 | 1.0340 | Ave | | 0.9832 | | | | 5.4 | | 20.0 | | | |
| 2,2-Dichloropropane | +++++<br>0.1076 | 0.1073<br>0.1013 | 0.1164 | 0.1183 | 0.1135 | Ave | | 0.1108 | | | | 5.8 | | 20.0 | | | |
| cis-1,2-Dichloroethene | +++++<br>0.3519 | 0.3819<br>0.3272 | 0.3913 | 0.3855 | 0.3754 | Ave | | 0.3689 | | | 0.1000 | 6.7 | | 20.0 | | | |
| Ethyl acetate | +++++<br>0.2414 | 0.2196<br>0.2252 | 0.2334 | 0.2301 | 0.2344 | Ave | | 0.2307 | | | | 3.3 | | 20.0 | | | |
| 2-Butanone | +++++<br>0.2657 | 0.2356<br>0.2540 | 0.2563 | 0.2626 | 0.2625 | Ave | | 0.2561 | | | 0.0500 | 4.3 | | 20.0 | | | |
| Methyl acrylate | +++++<br>0.3054 | 0.2786<br>0.2776 | 0.2859 | 0.2642 | 0.2915 | Ave | | 0.2839 | | | | 4.9 | | 20.0 | | | |
| Propionitrile | +++++<br>1.9916 | 2.0048<br>1.9108 | 2.0096 | 1.9864 | 2.0091 | Ave | | 1.9854 | | | | 1.9 | | 20.0 | | | |
| Tetrahydrofuran | +++++<br>0.3297 | 0.3094<br>0.3037 | 0.2893 | 0.3126 | 0.3144 | Ave | | 0.3099 | | | | 4.3 | | 20.0 | | | |
| Chlorobromomethane | +++++<br>0.1689 | 0.1886<br>0.1571 | 0.1830 | 0.1793 | 0.1759 | Ave | | 0.1755 | | | | 6.4 | | 20.0 | | | |
| Methacrylonitrile | +++++<br>0.1427 | 0.1243<br>0.1311 | 0.1339 | 0.1380 | 0.1412 | Ave | | 0.1352 | | | | 5.1 | | 20.0 | | | |
| Chloroform | +++++<br>0.5907 | 0.6562<br>0.5423 | 0.6305 | 0.6304 | 0.6096 | Ave | | 0.6099 | | | 0.2000 | 6.5 | | 20.0 | | | |
| Cyclohexane | +++++<br>0.5941 | 0.5672<br>0.5860 | 0.6267 | 0.6589 | 0.6284 | Ave | | 0.6102 | | | 0.1000 | 5.5 | | 20.0 | | | |
| 1,1,1-Trichloroethane | +++++<br>0.4978 | 0.5618<br>0.4721 | 0.5210 | 0.5305 | 0.5264 | Ave | | 0.5183 | | | 0.1000 | 5.9 | | 20.0 | | | |
| Carbon tetrachloride | +++++<br>0.4269 | 0.4589<br>0.4157 | 0.4191 | 0.4410 | 0.4378 | Ave | | 0.4333 | | | 0.1000 | 3.7 | | 20.0 | | | |
| 1,1-Dichloropropene | +++++<br>0.4691 | 0.4856<br>0.4446 | 0.4479 | 0.4757 | 0.4730 | Ave | | 0.4660 | | | | 3.5 | | 20.0 | | | |
| Isobutyl alcohol | +++++<br>1.0217 | 0.9219<br>0.9982 | 0.9037 | 0.9474 | 0.9670 | Ave | | 0.9600 | | | | 4.7 | | 20.0 | | | |
| 2,2,4-Trimethylpentane | +++++<br>1.2677 | 1.0783<br>1.2663 | 1.2072 | 1.3348 | 1.2965 | Ave | | 1.2418 | | | | 7.3 | | 20.0 | | | |
| Benzene | +++++<br>1.8851 | 1.9601<br>1.6796 | 1.8066 | 1.8408 | 1.8056 | Ave | | 1.8296 | | | 0.5000 | 5.1 | | 20.0 | | | |
| Isopropyl acetate | +++++<br>1.1486 | 1.0189<br>1.0558 | 1.0211 | 1.0610 | 1.0955 | Ave | | 1.0668 | | | | 4.6 | | 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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Tert-amyl methyl ether | +++++<br>0.3051 | 0.2772<br>0.2795 | 0.2792 | 0.2936 | 0.3046 | Ave | | 0.2899 | | | | 4.5 | | 20.0 | | | |
| 1,2-Dichloroethane | +++++<br>0.4787 | 0.5578<br>0.4408 | 0.4984 | 0.4875 | 0.4889 | Ave | | 0.4920 | | | 0.1000 | 7.7 | | 20.0 | | | |
| n-Heptane | +++++<br>0.2899 | 0.2686<br>0.2863 | 0.2790 | 0.3032 | 0.2866 | Ave | | 0.2856 | | | | 4.0 | | 20.0 | | | |
| n-Butanol | +++++<br>0.3509 | 0.2746<br>0.3557 | 0.2515 | 0.2716 | 0.3036 | Ave | | 0.3013 | | | | 14.5 | | 20.0 | | | |
| Trichloroethene | +++++<br>0.3225 | 0.3284<br>0.3116 | 0.3364 | 0.3292 | 0.3305 | Ave | | 0.3264 | | | 0.2000 | 2.6 | | 20.0 | | | |
| Ethyl acrylate | +++++<br>0.2410 | 0.2193<br>0.2383 | 0.2296 | 0.2331 | 0.2276 | Ave | | 0.2315 | | | | 3.4 | | 20.0 | | | |
| Methylcyclohexane | +++++<br>0.5645 | 0.5086<br>0.5648 | 0.5504 | 0.6020 | 0.5764 | Ave | | 0.5611 | | | 0.1000 | 5.5 | | 20.0 | | | |
| 1,2-Dichloropropane | +++++<br>0.3475 | 0.3438<br>0.3279 | 0.3549 | 0.3567 | 0.3570 | Ave | | 0.3480 | | | 0.1000 | 3.2 | | 20.0 | | | |
| Methyl methacrylate | +++++<br>0.0780 | 0.0652<br>0.0767 | 0.0700 | 0.0726 | 0.0768 | Ave | | 0.0732 | | | | 6.8 | | 20.0 | | | |
| n-Propyl acetate | +++++<br>0.4828 | 0.4470<br>0.4729 | 0.4410 | 0.4634 | 0.4821 | Ave | | 0.4649 | | | | 3.8 | | 20.0 | | | |
| 1,4-Dioxane | +++++<br>0.9897 | 1.0454<br>0.7642 | 1.1668 | 1.1642 | 1.2113 | Ave | | 1.0569 | | | | 15.7 | | 20.0 | | | |
| Dibromomethane | +++++<br>0.2183 | 0.2049<br>0.2109 | 0.2126 | 0.2140 | 0.2190 | Ave | | 0.2133 | | | | 2.4 | | 20.0 | | | |
| Bromodichloromethane | +++++<br>0.4407 | 0.4066<br>0.4347 | 0.4007 | 0.4310 | 0.4312 | Ave | | 0.4241 | | | 0.2000 | 3.9 | | 20.0 | | | |
| 2-Chloroethyl vinyl ether | +++++<br>0.2021 | 0.1512<br>0.1933 | 0.1743 | 0.1934 | 0.2023 | Ave | | 0.1861 | | | | 10.7 | | 20.0 | | | |
| 2-Nitropropane | +++++<br>0.0812 | 0.1037<br>0.0775 | 0.0740 | 0.0746 | 0.0769 | Ave | | 0.0813 | | | | 13.8 | | 20.0 | | | |
| Epichlorohydrin | 0.1874<br>0.2341 | 0.1916<br>0.2350 | 0.2125 | 0.2296 | 0.2400 | Ave | | 0.2186 | | | | 9.9 | | 20.0 | | | |
| cis-1,3-Dichloropropene | +++++<br>0.7385 | 0.5371<br>0.6909 | 0.6005 | 0.6418 | 0.6704 | Ave | | 0.6465 | | | 0.2000 | 11.0 | | 20.0 | | | |
| 4-Methyl-2-pentanone | +++++<br>2.7402 | 2.3347<br>2.6207 | 2.4554 | 2.6339 | 2.7243 | Ave | | 2.5849 | | | 0.0500 | 6.2 | | 20.0 | | | |
| Toluene | +++++<br>1.8621 | 1.8416<br>1.7056 | 1.7041 | 1.7772 | 1.7906 | Ave | | 1.7802 | | | 0.4000 | 3.7 | | 20.0 | | | |
| trans-1,3-Dichloropropene | +++++<br>0.6327 | 0.4841<br>0.5898 | 0.4935 | 0.5609 | 0.5902 | Ave | | 0.5585 | | | 0.1000 | 10.5 | | 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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Ethyl methacrylate | +++++<br>0.4025 | 0.2979<br>0.3946 | 0.3363 | 0.3740 | 0.3969 | Ave | | 0.3670 | | | | 11.4 | | 20.0 | | | |
| 1,1,2-Trichloroethane | +++++<br>0.3245 | 0.3285<br>0.3028 | 0.3118 | 0.3264 | 0.3176 | Ave | | 0.3186 | | | 0.1000 | 3.1 | | 20.0 | | | |
| Tetrachloroethene | +++++<br>0.4418 | 0.4756<br>0.4145 | 0.4196 | 0.4329 | 0.4271 | Ave | | 0.4352 | | | 0.2000 | 5.1 | | 20.0 | | | |
| 1,3-Dichloropropane | +++++<br>0.6605 | 0.6111<br>0.6148 | 0.6232 | 0.6373 | 0.6442 | Ave | | 0.6319 | | | | 3.0 | | 20.0 | | | |
| 2-Hexanone | +++++<br>1.6617 | 1.4045<br>1.5835 | 1.5450 | 1.6700 | 1.7028 | Ave | | 1.5946 | | | 0.0500 | 6.9 | | 20.0 | | | |
| n-Butyl acetate | +++++<br>0.1133 | 0.1002<br>0.1018 | 0.1075 | 0.1063 | 0.1099 | Ave | | 0.1065 | | | | 4.6 | | 20.0 | | | |
| Dibromochloromethane | +++++<br>0.4121 | 0.3508<br>0.3974 | 0.3515 | 0.3620 | 0.3789 | Ave | | 0.3754 | | | 0.1000 | 6.7 | | 20.0 | | | |
| Ethylene Dibromide | +++++<br>0.3645 | 0.3408<br>0.3408 | 0.3455 | 0.3519 | 0.3635 | Ave | | 0.3512 | | | 0.1000 | 3.1 | | 20.0 | | | |
| Chlorobenzene | +++++<br>1.1562 | 1.1641<br>1.0996 | 1.1255 | 1.1676 | 1.1495 | Ave | | 1.1438 | | | 0.5000 | 2.3 | | 20.0 | | | |
| Ethylbenzene | +++++<br>0.6442 | 0.6125<br>0.6019 | 0.5947 | 0.6255 | 0.6341 | Ave | | 0.6188 | | | 0.1000 | 3.1 | | 20.0 | | | |
| 1,1,1,2-Tetrachloroethane | +++++<br>0.4678 | 0.4189<br>0.4374 | 0.4008 | 0.4226 | 0.4352 | Ave | | 0.4304 | | | | 5.2 | | 20.0 | | | |
| m-Xylene & p-Xylene | +++++<br>0.8035 | 0.7383<br>0.7487 | 0.7286 | 0.7935 | 0.7908 | Ave | | 0.7672 | | | 0.1000 | 4.2 | | 20.0 | | | |
| n-Butyl acrylate | +++++<br>0.3422 | 0.2656<br>0.3104 | 0.2816 | 0.3163 | 0.3371 | Ave | | 0.3089 | | | | 9.8 | | 20.0 | | | |
| o-Xylene | +++++<br>0.8236 | 0.6773<br>0.7598 | 0.7172 | 0.8074 | 0.8138 | Ave | | 0.7665 | | | 0.3000 | 7.7 | | 20.0 | | | |
| Styrene | +++++<br>1.3851 | 1.1180<br>1.2933 | 1.2354 | 1.3765 | 1.3964 | Ave | | 1.3008 | | | 0.3000 | 8.4 | | 20.0 | | | |
| Amyl acetate (mixed isomers) | +++++<br>1.5911 | 1.2019<br>1.4831 | 1.3946 | 1.4715 | 1.5480 | Ave | | 1.4484 | | | | 9.6 | | 20.0 | | | |
| Bromoform | +++++<br>0.2656 | 0.2160<br>0.2623 | 0.2257 | 0.2396 | 0.2481 | Ave | | 0.2429 | | | 0.1000 | 8.1 | | 20.0 | | | |
| Isopropylbenzene | +++++<br>2.3040 | 1.9439<br>2.1353 | 2.0024 | 2.2098 | 2.2298 | Ave | | 2.1375 | | | 0.1000 | 6.5 | | 20.0 | | | |
| Bromobenzene | +++++<br>0.8118 | 0.8140<br>0.8074 | 0.8132 | 0.8451 | 0.8236 | Ave | | 0.8192 | | | | 1.7 | | 20.0 | | | |
| 1,1,2,2-Tetrachloroethane | +++++<br>0.9135 | 0.8198<br>0.9050 | 0.8417 | 0.8764 | 0.8841 | Ave | | 0.8734 | | | 0.3000 | 4.2 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| N-Propylbenzene | +++++<br>4.3419 | 3.9589<br>4.3101 | 3.9263 | 4.2623 | 4.3055 | Ave | | 4.1842 | | | | 4.5 | | 20.0 | | | |
| 1,2,3-Trichloropropane | +++++<br>0.2599 | 0.2405<br>0.2466 | 0.2521 | 0.2528 | 0.2568 | Ave | | 0.2515 | | | | 2.8 | | 20.0 | | | |
| trans-1,4-Dichloro-2-butene | +++++<br>0.2681 | 0.2322<br>0.2586 | 0.2317 | 0.2516 | 0.2582 | Ave | | 0.2501 | | | | 6.0 | | 20.0 | | | |
| 4-Ethyltoluene | +++++<br>3.7842 | 3.2912<br>3.5731 | 3.4532 | 3.6886 | 3.8043 | Ave | | 3.5991 | | | | 5.6 | | 20.0 | | | |
| 2-Chlorotoluene | +++++<br>3.0293 | 2.8067<br>3.0065 | 2.8651 | 3.0472 | 3.0061 | Ave | | 2.9601 | | | | 3.4 | | 20.0 | | | |
| 1,3,5-Trimethylbenzene | +++++<br>3.1967 | 2.5856<br>3.0787 | 2.7674 | 3.0553 | 3.0683 | Ave | | 2.9587 | | | | 7.8 | | 20.0 | | | |
| 4-Chlorotoluene | +++++<br>2.6610 | 2.4246<br>2.4563 | 2.5023 | 2.6442 | 2.6681 | Ave | | 2.5594 | | | | 4.3 | | 20.0 | | | |
| Butyl Methacrylate | +++++<br>1.1721 | 0.6924<br>1.0670 | 0.7765 | 0.9480 | 1.0550 | Ave | | 0.9518 | | | | 19.4 | | 20.0 | | | |
| tert-Butylbenzene | +++++<br>2.6860 | 1.9887<br>2.6591 | 2.0860 | 2.3710 | 2.4936 | Ave | | 2.3807 | | | | 12.2 | | 20.0 | | | |
| 1,2,4-Trimethylbenzene | +++++<br>3.2907 | 2.6024<br>3.1599 | 2.8691 | 3.1270 | 3.1833 | Ave | | 3.0387 | | | | 8.4 | | 20.0 | | | |
| sec-Butylbenzene | +++++<br>4.0231 | 3.0718<br>3.9145 | 3.4256 | 3.7602 | 3.8664 | Ave | | 3.6769 | | | | 9.8 | | 20.0 | | | |
| 4-Isopropyltoluene | +++++<br>3.4984 | 2.6915<br>3.3734 | 2.9127 | 3.2751 | 3.3734 | Ave | | 3.1874 | | | | 9.9 | | 20.0 | | | |
| 1,3-Dichlorobenzene | +++++<br>1.7749 | 1.6882<br>1.6645 | 1.7275 | 1.7570 | 1.7508 | Ave | | 1.7271 | | | 0.6000 | 2.5 | | 20.0 | | | |
| 1,4-Dichlorobenzene | +++++<br>1.8009 | 1.7898<br>1.6545 | 1.7512 | 1.8076 | 1.8088 | Ave | | 1.7688 | | | 0.5000 | 3.4 | | 20.0 | | | |
| 1,2,3-Trimethylbenzene | +++++<br>3.4594 | 2.9606<br>3.1614 | 3.1372 | 3.3650 | 3.4157 | Ave | | 3.2499 | | | | 6.0 | | 20.0 | | | |
| Benzyl chloride | +++++<br>1.6845 | 1.0380<br>1.6749 | 1.1372 | 1.2821 | 1.4447 | Ave | | 1.3769 | | | | 19.7 | | 20.0 | | | |
| Indan | +++++<br>3.5710 | 3.1706<br>3.2184 | 3.3874 | 3.5388 | 3.5697 | Ave | | 3.4093 | | | | 5.3 | | 20.0 | | | |
| p-Diethylbenzene | +++++<br>2.0772 | 1.7290<br>1.8364 | 1.8487 | 2.0355 | 2.0877 | Ave | | 1.9357 | | | | 7.8 | | 20.0 | | | |
| n-Butylbenzene | +++++<br>1.8554 | 1.5554<br>1.6636 | 1.7533 | 1.8819 | 1.8619 | Ave | | 1.7619 | | | | 7.4 | | 20.0 | | | |
| 1,2-Dichlorobenzene | +++++<br>1.7234 | 1.5264<br>1.5773 | 1.6103 | 1.6624 | 1.6882 | Ave | | 1.6313 | | | 0.4000 | 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
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2,4,5-Tetramethylbenzene | +++++<br>2.8573 | 2.1093<br>2.8621 | 2.1594 | 2.5332 | 2.6791 | Ave | | 2.5334 | | | | 13.1 | | 20.0 | | | |
| 1,2-Dibromo-3-Chloropropane | +++++<br>0.1501 | 0.1127<br>0.1627 | 0.1151 | 0.1097 | 0.1166 | Ave | | 0.1278 | | | 0.0500 | 17.7 | | 20.0 | | | |
| 1,3,5-Trichlorobenzene | +++++<br>1.0551 | 0.9049<br>1.0482 | 0.9356 | 1.0010 | 1.0143 | Ave | | 0.9932 | | | | 6.1 | | 20.0 | | | |
| 1,2,4-Trichlorobenzene | +++++<br>0.7620 | 0.5310<br>0.7916 | 0.5731 | 0.6373 | 0.6696 | Ave | | 0.6608 | | | 0.2000 | 15.5 | | 20.0 | | | |
| Hexachlorobutadiene | +++++<br>0.4195 | 0.3850<br>0.4279 | 0.4044 | 0.4264 | 0.4192 | Ave | | 0.4138 | | | | 4.0 | | 20.0 | | | |
| Naphthalene | +++++<br>1.6282 | 0.7553<br>1.8355 | 0.8739 | 1.0277 | 1.2249 | Qua2 | -0.362 | 1.0845 | 0.0016760 | | | | | | 0.9910 | | 0.9900 |
| 1,2,3-Trichlorobenzene | +++++<br>0.5343 | 0.3084<br>0.5721 | 0.3652 | 0.4046 | 0.4397 | Qua2 | -0.115 | 0.4165 | 0.0003503 | | | | | | 0.9960 | | 0.9900 |
| Dibromofluoromethane (Surr) | 0.2641<br>0.2736 | 0.2695<br>0.2576 | 0.2862 | 0.2741 | 0.2825 | Ave | | 0.2725 | | | | 3.6 | | 20.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.3147<br>0.3653 | 0.3295<br>0.3627 | 0.3468 | 0.3391 | 0.3534 | Ave | | 0.3445 | | | | 5.3 | | 20.0 | | | |
| Toluene-d8 (Surr) | 1.1715<br>1.3530 | 1.1970<br>1.2469 | 1.2776 | 1.2788 | 1.2982 | Ave | | 1.2604 | | | | 4.9 | | 20.0 | | | |
| Bromofluorobenzene | 0.3871<br>0.4134 | 0.4050<br>0.3785 | 0.4347 | 0.4350 | 0.4412 | Ave | | 0.4136 | | | | 6.0 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD7 460-515755/3 | A54973.D |
| Level 2 | STD1 460-515755/4 | A54974.D |
| Level 3 | STD5 460-515755/5 | A54975.D |
| Level 4 | STD20 460-515755/6 | A54976.D |
| Level 5 | STD50 460-515755/7 | A54977.D |
| Level 6 | STD200 460-515755/8 | A54978.D |
| Level 7 | STD500 460-515755/9 | A54979.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Chlorotrifluoroethene | FB | Ave | +++++ 284578 | 1061 765381 | 6281 | 27373 | 64250 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Dichlorodifluoromethane | FB | Ave | +++++ 751180 | 3334 2019608 | 14650 | 70562 | 175754 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Chloromethane | FB | Ave | +++++ 816230 | 4316 2077271 | 20287 | 80698 | 204879 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Butadiene | FB | Ave | +++++ 762170 | 3728 2026170 | 15728 | 70974 | 182979 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Vinyl chloride | FB | Ave | +++++ 745905 | 3679 1961004 | 16685 | 71916 | 183717 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Bromomethane | FB | Ave | +++++ 452929 | 2465 1143226 | 11309 | 46021 | 114853 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Chloroethane | FB | Ave | +++++ 426934 | 2602 +++++ | 10620 | 43885 | 106827 | +++++ 200 | 1.00 +++++ | 5.00 | 20.0 | 50.0 |
| Dichlorofluoromethane | FB | Ave | +++++ 1020032 | 5419 2597580 | 24752 | 100666 | 253703 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Pentane | TBAd 9 | Ave | +++++ 163628 | 754 430134 | 3762 | 15780 | 38317 | +++++ 400 | 2.00 1000 | 10.0 | 40.0 | 100 |
| Trichlorofluoromethane | FB | Ave | +++++ 838022 | 4015 2183570 | 17230 | 79754 | 200273 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Ethanol | TBAd 9 | Ave | +++++ 111775 | 401 271251 | 2165 | 10173 | 26397 | +++++ 8000 | 40.0 20000 | 200 | 800 | 2000 |
| Ethyl ether | FB | Ave | +++++ 430068 | 2030 1021971 | 9206 | 37875 | 98156 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| 2-Methyl-1,3-butadiene | FB | Ave | +++++ 462414 | 2135 1179375 | 10000 | 43015 | 111394 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichloro-1,1,2-trifluoroethane | FB | Ave | +++++ 378522 | 1859 993462 | 9080 | 38279 | 94771 | +++++ 200 | 1.00 500 | 5.00 | 20.0 | 50.0 |
| Acrolein | TBAd 9 | Ave | +++++ 77285 | 1478 144859 | 7280 | 14885 | 39204 | +++++ 200 | 4.00 400 | 20.0 | 40.0 | 100 |

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | FB | Ave | +++++<br>449539 | 1923<br>1239257 | 10720 | 45364 | 108706 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloroethene | FB | Ave | +++++<br>442200 | 2078<br>1164323 | 9776 | 41901 | 104209 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acetone | BUT | Ave | +++++<br>234100 | 943<br>598869 | 5311 | 20945 | 55088 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Iodomethane | FB | Ave | +++++<br>795477 | 3573<br>2095727 | 17959 | 73801 | 187668 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Carbon disulfide | FB | Ave | +++++<br>1634564 | 7373<br>4466765 | 35226 | 148060 | 374700 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropyl alcohol | TBAd9 | Ave | +++++<br>348394 | 1565<br>814315 | 6933 | 32021 | 76017 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Allyl chloride | FB | Ave | +++++<br>315592 | 1261<br>841535 | 6762 | 26861 | 62807 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Cyclopentene | FB | Ave | +++++<br>1220913 | 5003<br>3222906 | 26081 | 107707 | 271026 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methyl acetate | FB | Ave | +++++<br>931645 | 3703<br>2410677 | 19515 | 79220 | 206459 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| Acetonitrile | TBAd9 | Ave | +++++<br>440934 | 1686<br>1068085 | 11051 | 43831 | 107172 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Methylene Chloride | FB | Ave | +++++<br>563013 | 2605<br>1473471 | 12850 | 53658 | 134057 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Methyl-2-propanol | TBAd9 | Ave | +++++<br>527973 | 2370<br>1455175 | 10757 | 43829 | 110846 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Methyl tert-butyl ether | FB | Ave | +++++<br>1463586 | 6040<br>3839632 | 30160 | 128859 | 336548 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| trans-1,2-Dichloroethene | FB | Ave | +++++<br>507330 | 2318<br>1331383 | 10858 | 45763 | 118435 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acrylonitrile | FB | Ave | 1736<br>2247348 | 9104<br>6052091 | 46888 | 195874 | 508909 | 2.00<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Hexane | FB | Ave | +++++<br>507417 | 2219<br>1351047 | 10741 | 46343 | 111550 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropyl ether | FB | Ave | +++++<br>1835668 | 7615<br>4754492 | 37227 | 158196 | 414212 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloroethane | FB | Ave | +++++<br>978603 | 4495<br>2553085 | 20826 | 87621 | 226296 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Vinyl acetate | TBAd9 | Ave | +++++<br>223363 | 573<br>597950 | 2592 | 15911 | 44055 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| 2-Chloro-1,3-butadiene | FB | Ave | +++++<br>455746 | 1735<br>1200468 | 8679 | 38963 | 102933 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Tert-butyl ethyl ether | FB | Ave | +++++<br>1561815 | 5976<br>4073752 | 30822 | 132051 | 354170 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 2,2-Dichloropropane | FB | Ave | +++++<br>172489 | 648<br>467539 | 3588 | 15340 | 38891 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| cis-1,2-Dichloroethene | FB | Ave | +++++<br>564021 | 2306<br>1509543 | 12065 | 49976 | 128568 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethyl acetate | BUT | Ave | +++++<br>104799 | 345<br>280444 | 1944 | 8125 | 22024 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| 2-Butanone | BUT | Ave | +++++<br>288442 | 925<br>790802 | 5337 | 23183 | 61661 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Methyl acrylate | FB | Ave | +++++<br>489580 | 1682<br>1280832 | 8815 | 34246 | 99836 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Propionitrile | TBAd9 | Ave | +++++<br>785760 | 2941<br>2113661 | 15688 | 67502 | 177412 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Tetrahydrofuran | BUT | Ave | +++++<br>143137 | 486<br>378266 | 2410 | 11040 | 29551 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| Chlorobromomethane | FB | Ave | +++++<br>270653 | 1139<br>724810 | 5642 | 23250 | 60231 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methacrylonitrile | FB | Ave | +++++<br>2287392 | 7504<br>6049451 | 41288 | 178868 | 483458 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Chloroform | FB | Ave | +++++<br>946730 | 3962<br>2502190 | 19440 | 81722 | 208792 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Cyclohexane | FB | Ave | +++++<br>952296 | 3425<br>2703810 | 19323 | 85414 | 215220 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,1-Trichloroethane | FB | Ave | +++++<br>797970 | 3392<br>2177982 | 16064 | 68778 | 180312 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Carbon tetrachloride | FB | Ave | +++++<br>684264 | 2771<br>1918117 | 12924 | 57174 | 149960 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloropropene | FB | Ave | +++++<br>751861 | 2932<br>2051199 | 13811 | 61674 | 162005 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isobutyl alcohol | TBAd9 | Ave | +++++<br>1007733 | 3381<br>2760417 | 17638 | 80484 | 213464 | +++++<br>5000 | 25.0<br>12500 | 125 | 500 | 1250 |
| 2,2,4-Trimethylpentane | FB | Ave | +++++<br>2031892 | 6511<br>5842364 | 37223 | 173049 | 444078 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Benzene | CBNZd5 | Ave | +++++<br>2114977 | 8259<br>5752866 | 40691 | 175683 | 459031 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropyl acetate | FB | Ave | +++++<br>1841021 | 6152<br>4871315 | 31486 | 137551 | 375222 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Tert-amyl methyl ether | FB | Ave | +++++<br>488952 | 1674<br>1289512 | 8608 | 38060 | 104336 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichloroethane | FB | Ave | +++++<br>767306 | 3368<br>2033952 | 15367 | 63202 | 167449 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Heptane | FB | Ave | +++++<br>464743 | 1622<br>1320905 | 8603 | 39306 | 98163 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| n-Butanol | TBAd9 | Ave | +++++<br>346124 | 1007<br>983759 | 4909 | 23071 | 67023 | +++++<br>5000 | 25.0<br>12500 | 125 | 500 | 1250 |
| Trichloroethene | FB | Ave | +++++<br>516919 | 1983<br>1437636 | 10373 | 42681 | 113183 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethyl acrylate | FB | Ave | +++++<br>386267 | 1324<br>1099484 | 7080 | 30214 | 77943 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methylcyclohexane | FB | Ave | +++++<br>904729 | 3071<br>2606015 | 16971 | 78038 | 197409 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichloropropane | FB | Ave | +++++<br>556998 | 2076<br>1512623 | 10944 | 46237 | 122288 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methyl methacrylate | FB | Ave | +++++<br>250141 | 787<br>707550 | 4314 | 18822 | 52616 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| n-Propyl acetate | FB | Ave | +++++<br>773829 | 2699<br>2181928 | 13597 | 60081 | 165134 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,4-Dioxane | DXE | Ave | +++++<br>110926 | 724<br>315691 | 1768 | 7739 | 20924 | +++++<br>4000 | 50.0<br>10000 | 100 | 400 | 1000 |
| Dibromomethane | FB | Ave | +++++<br>349896 | 1237<br>972846 | 6556 | 27747 | 75002 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromodichloromethane | FB | Ave | +++++<br>706297 | 2455<br>2005800 | 12354 | 55870 | 147679 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Chloroethyl vinyl ether | FB | Ave | +++++<br>323937 | 913<br>891882 | 5373 | 25072 | 69281 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Nitropropane | FB | Ave | +++++<br>260241 | 1252<br>714694 | 4562 | 19341 | 52698 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| Epichlorohydrin | BUT | Ave | 746<br>1016199 | 3009<br>2926504 | 17703 | 81086 | 225541 | 5.00<br>4000 | 20.0<br>10000 | 100 | 400 | 1000 |
| cis-1,3-Dichloropropene | CBNZd5 | Ave | +++++<br>828600 | 2263<br>2366240 | 13525 | 61253 | 170430 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Methyl-2-pentanone | BUT | Ave | +++++<br>2974328 | 9168<br>8159934 | 51129 | 232543 | 640057 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Toluene | CBNZd5 | Ave | +++++<br>2089232 | 7760<br>5841584 | 38384 | 169614 | 455210 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| trans-1,3-Dichloropropene | CBNZd5 | Ave | +++++<br>709873 | 2040<br>2020056 | 11115 | 53537 | 150049 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethyl methacrylate | FB | Ave | +++++<br>645166 | 1799<br>1820697 | 10369 | 48487 | 135953 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,2-Trichloroethane | CBNZd5 | Ave | +++++<br>364076 | 1384<br>1037080 | 7024 | 31153 | 80733 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Tetrachloroethene | CBNZd5 | Ave | +++++<br>495675 | 2004<br>1419553 | 9451 | 41312 | 108585 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3-Dichloropropane | CBNZd5 | Ave | +++++<br>741100 | 2575<br>2105803 | 14037 | 60821 | 163762 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 2-Hexanone | BUT | Ave | +++++<br>1803672 | 5515<br>4930356 | 32171 | 147439 | 400057 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| n-Butyl acetate | CBNZ d5 | Ave | +++++<br>127161 | 422<br>348521 | 2422 | 10144 | 27931 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dibromochloromethane | CBNZ d5 | Ave | +++++<br>462392 | 1478<br>1360942 | 7917 | 34545 | 96327 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethylene Dibromide | CBNZ d5 | Ave | +++++<br>408938 | 1436<br>1167273 | 7783 | 33588 | 92414 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Chlorobenzene | CBNZ d5 | Ave | +++++<br>1297229 | 4905<br>3766157 | 25351 | 111437 | 292231 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethylbenzene | CBNZ d5 | Ave | +++++<br>722815 | 2581<br>2061585 | 13394 | 59694 | 161202 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,1,2-Tetrachloroethane | CBNZ d5 | Ave | +++++<br>524813 | 1765<br>1498043 | 9027 | 40335 | 110645 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| m-Xylene & p-Xylene | CBNZ d5 | Ave | +++++<br>901513 | 3111<br>2564418 | 16410 | 75731 | 201035 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Butyl acrylate | CBNZ d5 | Ave | +++++<br>383957 | 1119<br>1063084 | 6343 | 30183 | 85704 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| o-Xylene | CBNZ d5 | Ave | +++++<br>924080 | 2854<br>2602374 | 16155 | 77062 | 206889 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Styrene | CBNZ d5 | Ave | +++++<br>1554054 | 4711<br>4429463 | 27827 | 131371 | 355007 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Amyl acetate (mixed isomers) | DCBd 4 | Ave | +++++<br>1144047 | 3359<br>3047782 | 20676 | 93261 | 258410 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromoform | CBNZ d5 | Ave | +++++<br>298023 | 910<br>898423 | 5084 | 22869 | 63085 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropylbenzene | CBNZ d5 | Ave | +++++<br>2585041 | 8191<br>7313550 | 45102 | 210906 | 566870 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromobenzene | DCBd 4 | Ave | +++++<br>583674 | 2275<br>1659164 | 12056 | 53563 | 137485 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,2,2-Tetrachloroethane | DCBd 4 | Ave | +++++<br>656829 | 2291<br>1859867 | 12478 | 55544 | 147585 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| N-Propylbenzene | DCBd 4 | Ave | +++++<br>3121956 | 11064<br>8857406 | 58209 | 270139 | 718735 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trichloropropane | DCBd 4 | Ave | +++++<br>186907 | 672<br>506840 | 3738 | 16022 | 42870 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| trans-1,4-Dichloro-2-butene | DCBd 4 | Ave | +++++<br>192736 | 649<br>531506 | 3435 | 15945 | 43097 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Ethyltoluene | DCBd 4 | Ave | +++++<br>2720932 | 9198<br>7342915 | 51195 | 233781 | 635059 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Chlorotoluene | DCBd 4 | Ave | +++++<br>2178147 | 7844<br>6178429 | 42476 | 193129 | 501818 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 1,3,5-Trimethylbenzene | DCBd 4 | Ave | +++++<br>2298537 | 7226<br>6326821 | 41028 | 193643 | 512204 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Chlorotoluene | DCBd 4 | Ave | +++++<br>1913345 | 6776<br>5047849 | 37098 | 167587 | 445392 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Butyl Methacrylate | DCBd 4 | Ave | +++++<br>842803 | 1935<br>2192696 | 11512 | 60082 | 176109 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| tert-Butylbenzene | DCBd 4 | Ave | +++++<br>1931318 | 5558<br>5464554 | 30926 | 150269 | 416270 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4-Trimethylbenzene | DCBd 4 | Ave | +++++<br>2366123 | 7273<br>6493687 | 42536 | 198186 | 531408 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| sec-Butylbenzene | DCBd 4 | Ave | +++++<br>2892680 | 8585<br>8044481 | 50785 | 238316 | 645431 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Isopropyltoluene | DCBd 4 | Ave | +++++<br>2515456 | 7522<br>6932425 | 43181 | 207575 | 563134 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1276172 | 4718<br>3420692 | 25610 | 111359 | 292270 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,4-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1294869 | 5002<br>3400167 | 25962 | 114565 | 301944 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trimethylbenzene | DCBd 4 | Ave | +++++<br>2487405 | 8274<br>6496771 | 46510 | 213272 | 570191 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Benzyl chloride | DCBd 4 | Ave | +++++<br>1211189 | 2901<br>3441935 | 16860 | 81259 | 241172 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Indan | DCBd 4 | Ave | +++++<br>2567617 | 8861<br>6613914 | 50219 | 224288 | 595899 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| p-Diethylbenzene | DCBd 4 | Ave | +++++<br>1493575 | 4832<br>3773833 | 27407 | 129008 | 348513 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Butylbenzene | DCBd 4 | Ave | +++++<br>1334075 | 4347<br>3418833 | 25993 | 119271 | 310811 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1239177 | 4266<br>3241340 | 23873 | 105360 | 281814 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4,5-Tetramethylbenzene | DCBd 4 | Ave | +++++<br>2054482 | 5895<br>5881783 | 32014 | 160552 | 447232 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | DCBd 4 | Ave | +++++<br>107925 | 315<br>334316 | 1706 | 6950 | 19457 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3,5-Trichlorobenzene | DCBd 4 | Ave | +++++<br>758634 | 2529<br>2154102 | 13871 | 63441 | 169329 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4-Trichlorobenzene | DCBd 4 | Ave | +++++<br>547907 | 1484<br>1626768 | 8496 | 40389 | 111777 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Hexachlorobutadiene | DCBd 4 | Ave | +++++<br>301625 | 1076<br>879458 | 5996 | 27027 | 69984 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Naphthalene | DCBd 4 | Qua2 | +++++<br>1170748 | 2111<br>3772000 | 12956 | 65137 | 204479 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 515755

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2018 23:18 Calibration End Date: 05/02/2018 01:47 Calibration ID: 68248

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 1,2,3-Trichlorobenzene | DCBd 4 | Qua2 | +++++<br>384197 | 862<br>1175766 | 5414 | 25646 | 73399 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dibromofluoromethane (Surr) | FB | Ave | 83208<br>109632 | 81359<br>118871 | 88241 | 88836 | 96760 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 99174<br>146368 | 99480<br>167327 | 106922 | 109890 | 121057 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBNZ d5 | Ave | 247289<br>379509 | 252195<br>427056 | 287760 | 305124 | 330026 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| Bromofluorobenzene | CBNZ d5 | Ave | 81710<br>115966 | 85336<br>129634 | 97911 | 103795 | 112175 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD
Qua2 = Quadratic 1/conc^2 ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-May-2018 23:18:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0071367-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 03-May-2018 11:11:40 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: boykink Date: 02-May-2018 00:06:24

| 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 | 3.323 | 3.311 | 0.012 | 0 | 155988 | 1000.0 | 1000.0 | |
| 32 Acrylonitrile | 53 | 3.567 | 3.561 | 0.006 | 94 | 1736 | 2.00 | 1.91 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.286 | 0.006 | 0 | 199053 | 250.0 | 250.0 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.682 | 4.676 | 0.006 | 96 | 83208 | 50.0 | 48.5 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 99174 | 50.0 | 45.7 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 315096 | 50.0 | 50.0 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.682 | 5.688 | -0.006 | 0 | 14270 | 1000.0 | 1000.0 | |
| 78 Epichlorohydrin | 57 | 6.225 | 6.231 | -0.006 | 97 | 746 | 5.00 | 4.29 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 98 | 247289 | 50.0 | 46.5 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.658 | -0.001 | 89 | 211094 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.413 | 8.413 | 0.000 | 90 | 81710 | 50.0 | 46.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.072 | 9.060 | 0.012 | 97 | 138835 | 50.0 | 50.0 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00252 | Amount Added: | 0.00 | Units: uL | |
| MIX I Hi_00092 | Amount Added: | 0.00 | Units: uL | |
| Ethanol mix_00003 | Amount Added: | 0.00 | Units: uL | |
| ACROLEIN W_00076 | Amount Added: | 0.00 | Units: uL | |
| ACRY/EPIH MIX_00048 | Amount Added: | 2.00 | Units: uL | |
| MIX 2 Hi_00070 | Amount Added: | 0.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |

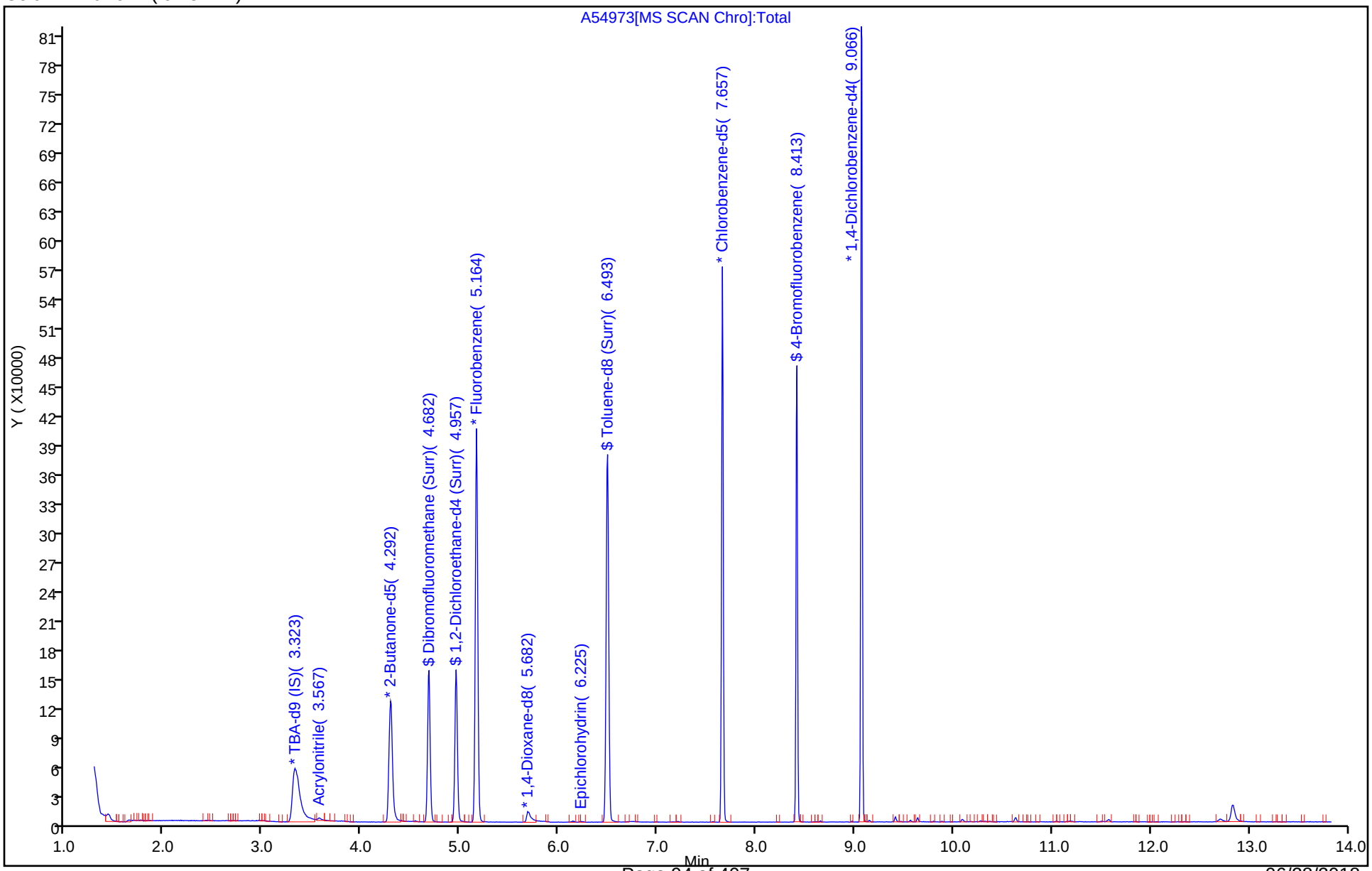
Report Date: 03-May-2018 11:11:48 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | Operator ID: | VOA GC/MS1 |
| Lims ID: | STD7 | | | Worklist Smp#: | 3 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 2 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



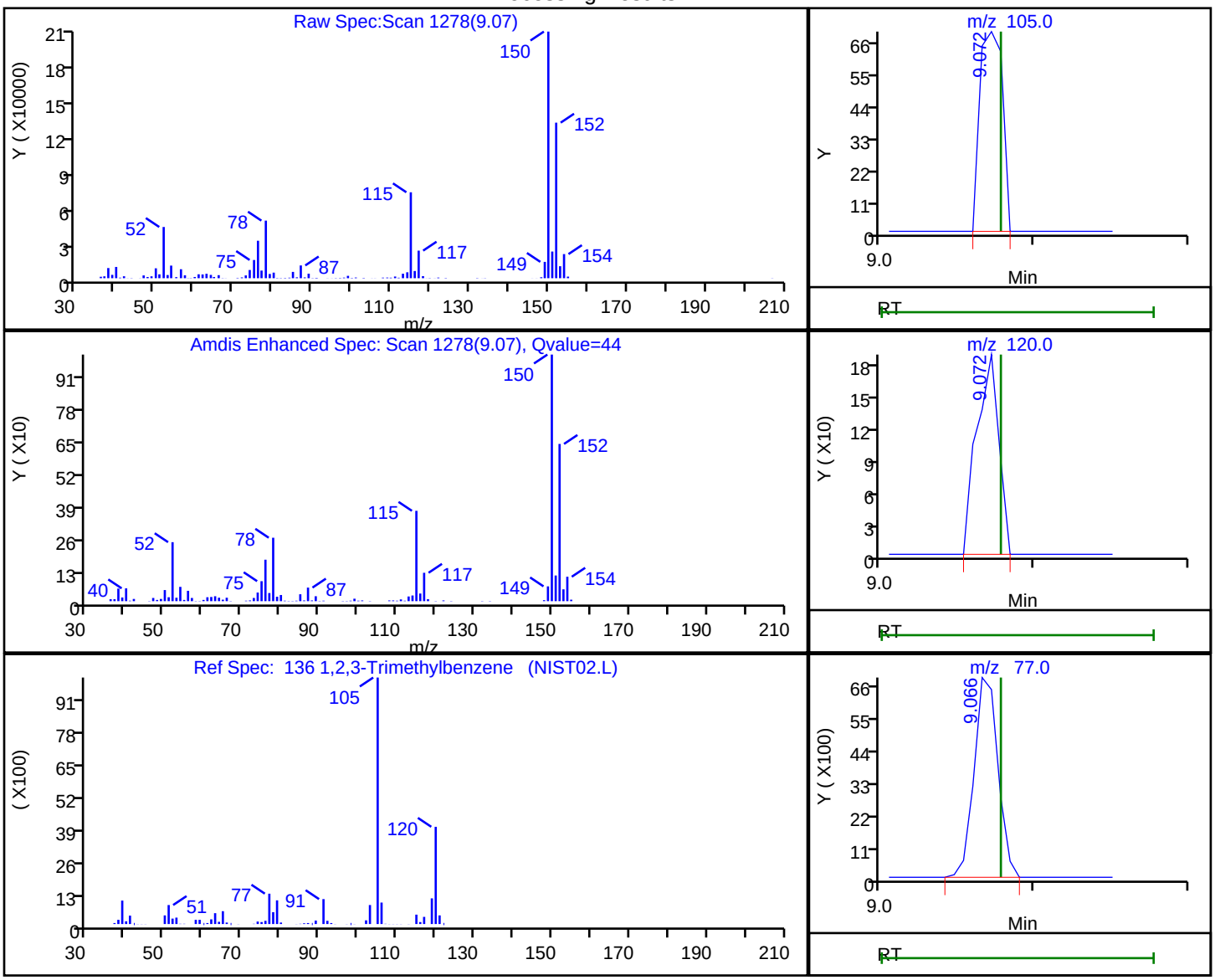
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 136 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.07 | 105.00 | 72 | 0.007154 |
| 9.07 | 120.00 | 186 | |
| 9.07 | 77.00 | 7433 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

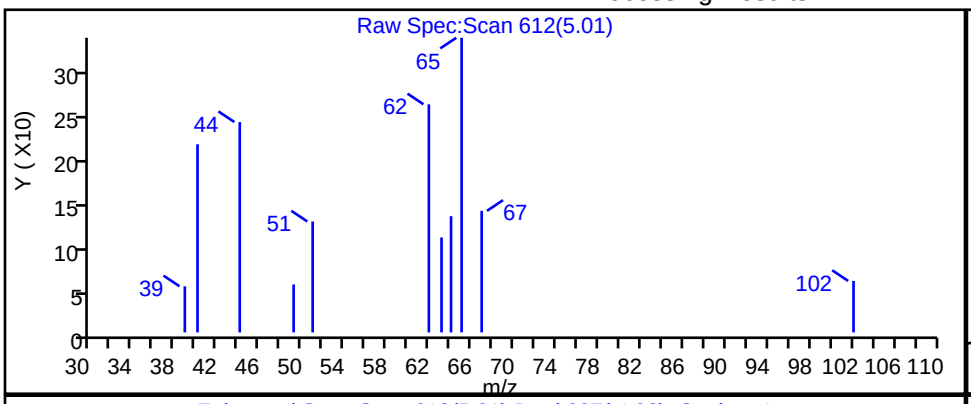
User Disabled Compound Report

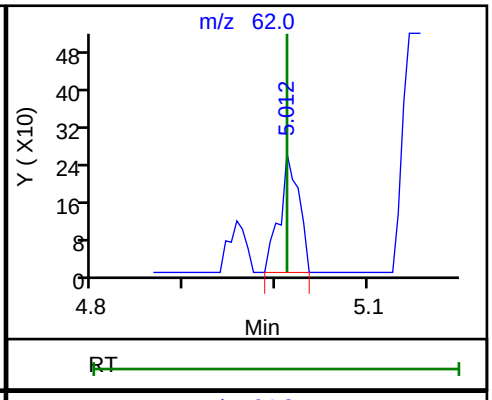
TestAmerica Edison

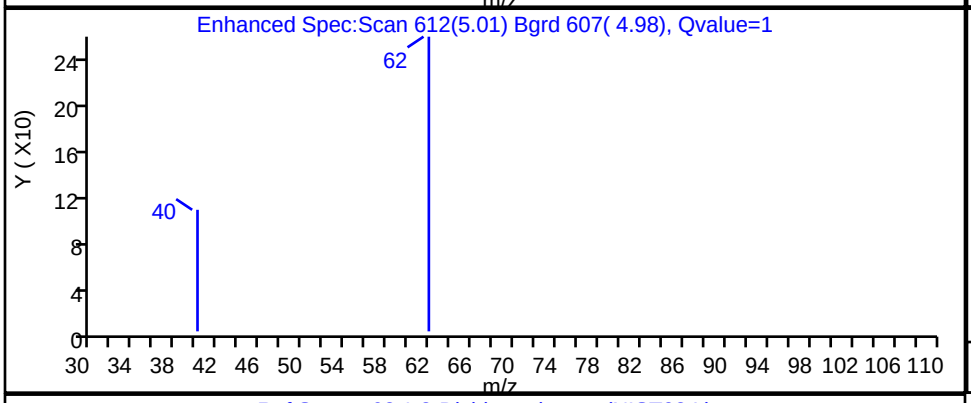
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D
Injection Date: 01-May-2018 23:18:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

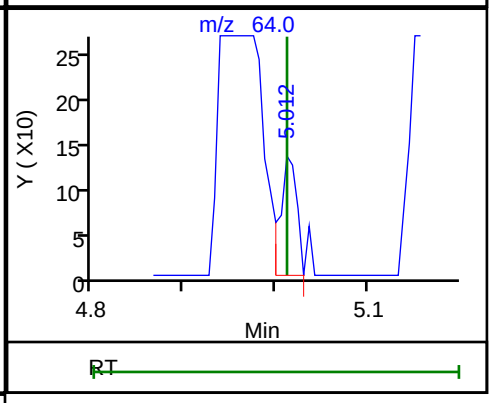
## 62 1,2-Dichloroethane, CAS: 107-06-2

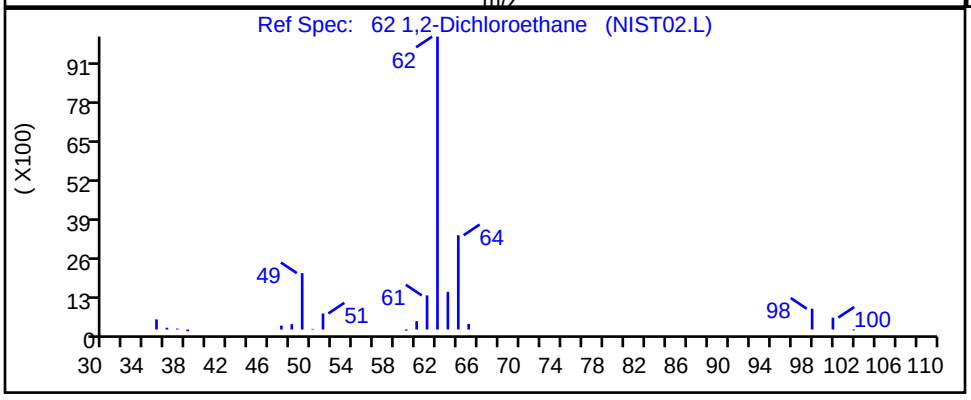
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.01 | 62.00 | 373 | 0.120296 |
| 5.01 | 64.00 | 164 | |

Reviewer: delpolitov, 03-May-2018 09:58:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

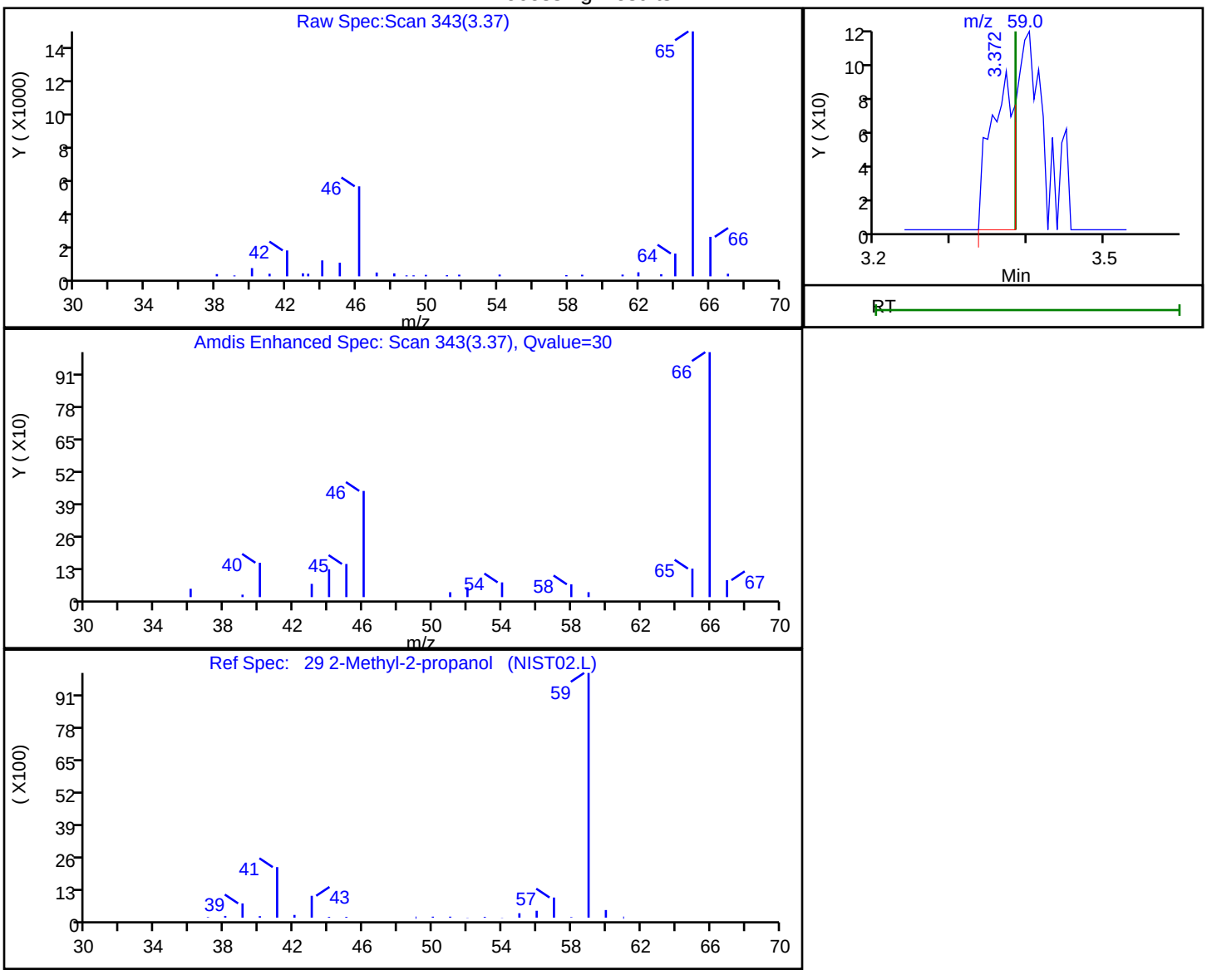
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D
Injection Date: 01-May-2018 23:18:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 29 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.37 | 59.00 | 195 | 1.055336 |

Reviewer: delpolitov, 03-May-2018 09:58:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

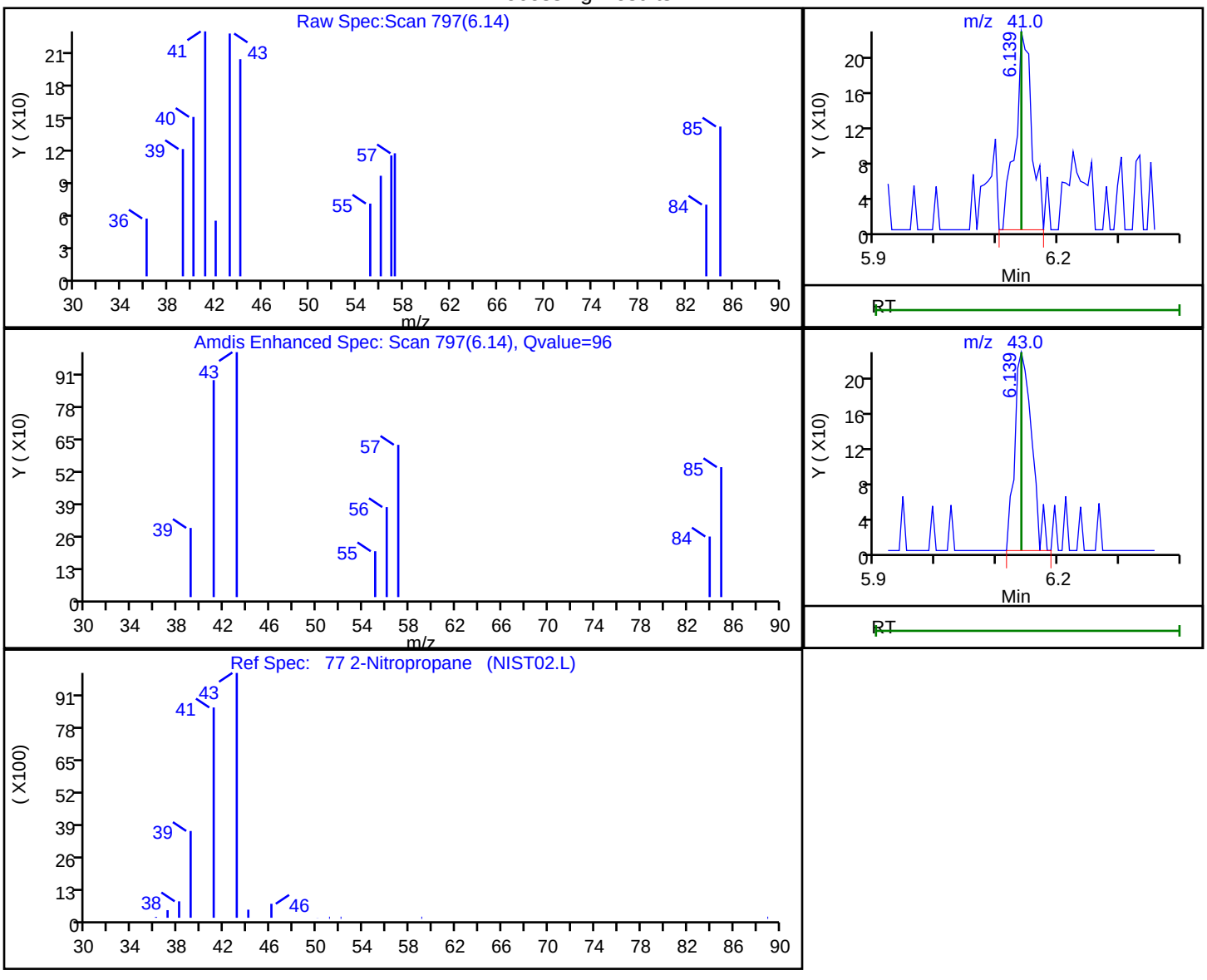
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 77 2-Nitropropane, CAS: 79-46-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 6.14 | 41.00 | 430 | 0.839263 |
| 6.14 | 43.00 | 441 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

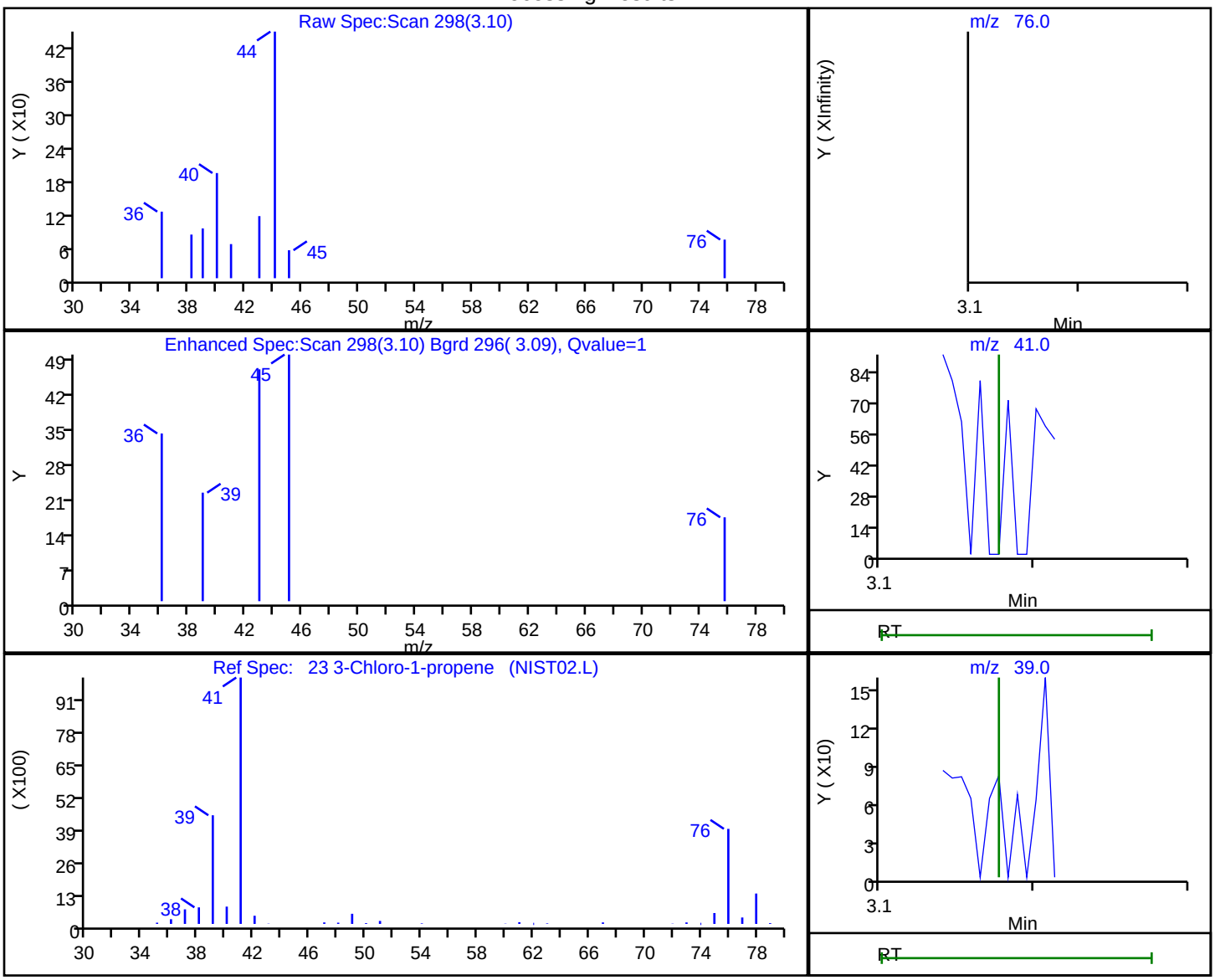
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 23 3-Chloro-1-propene, CAS: 107-05-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.10 | 76.00 | 25 | 0.019868 |
| 3.10 | 41.00 | 78 | |
| 3.10 | 39.00 | 112 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

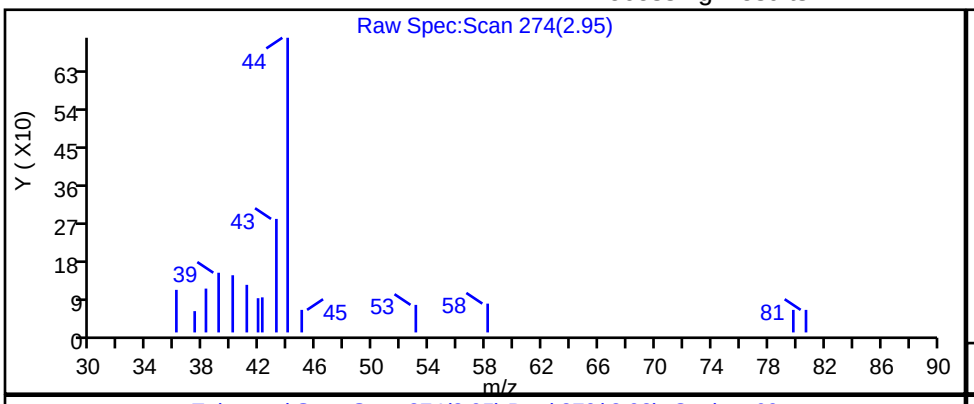
User Disabled Compound Report

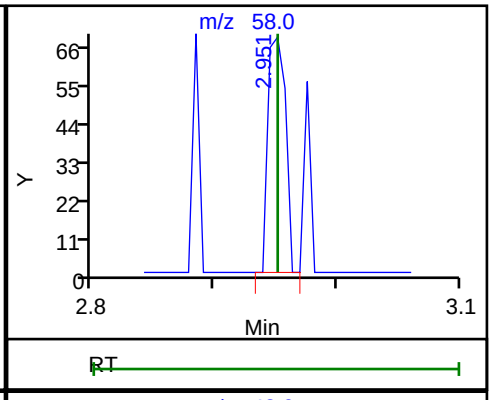
TestAmerica Edison

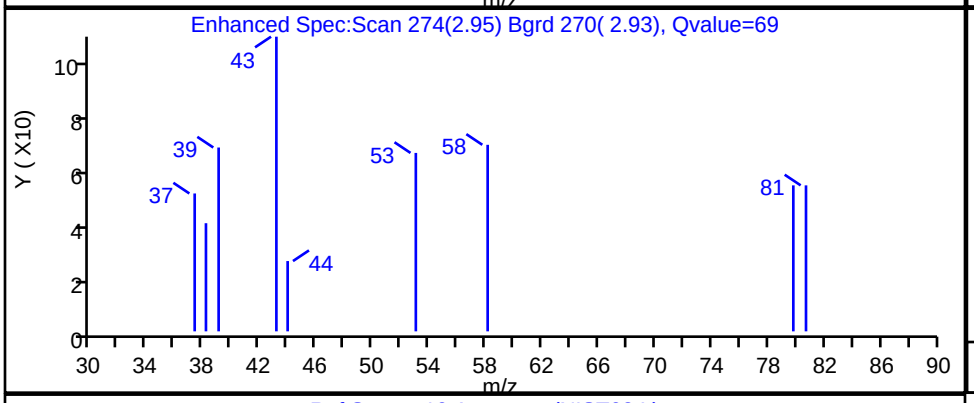
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

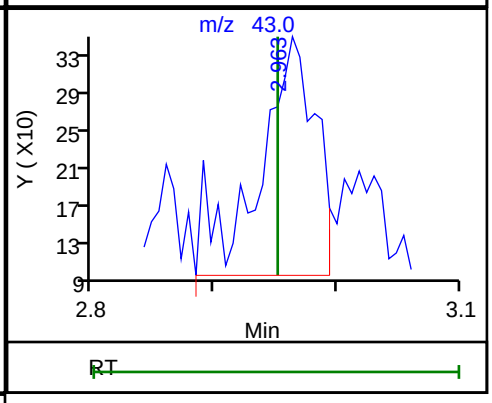
## 19 Acetone, CAS: 67-64-1

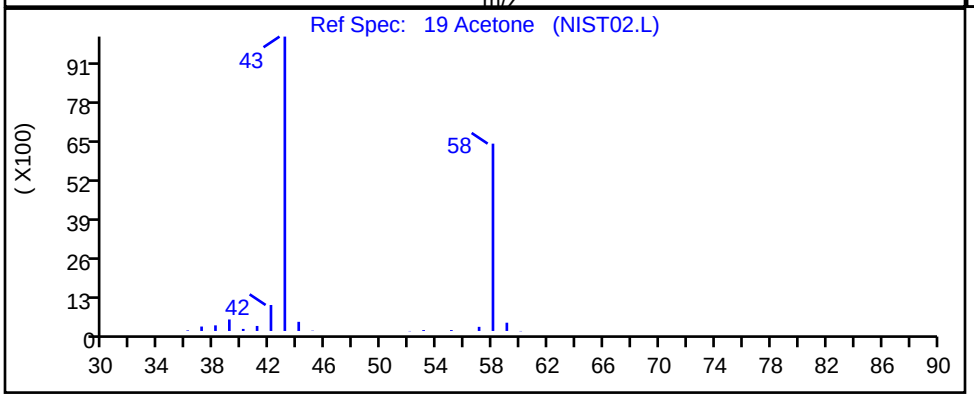
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.95 | 58.00 | 69 | 0.358790 |
| 2.96 | 43.00 | 788 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

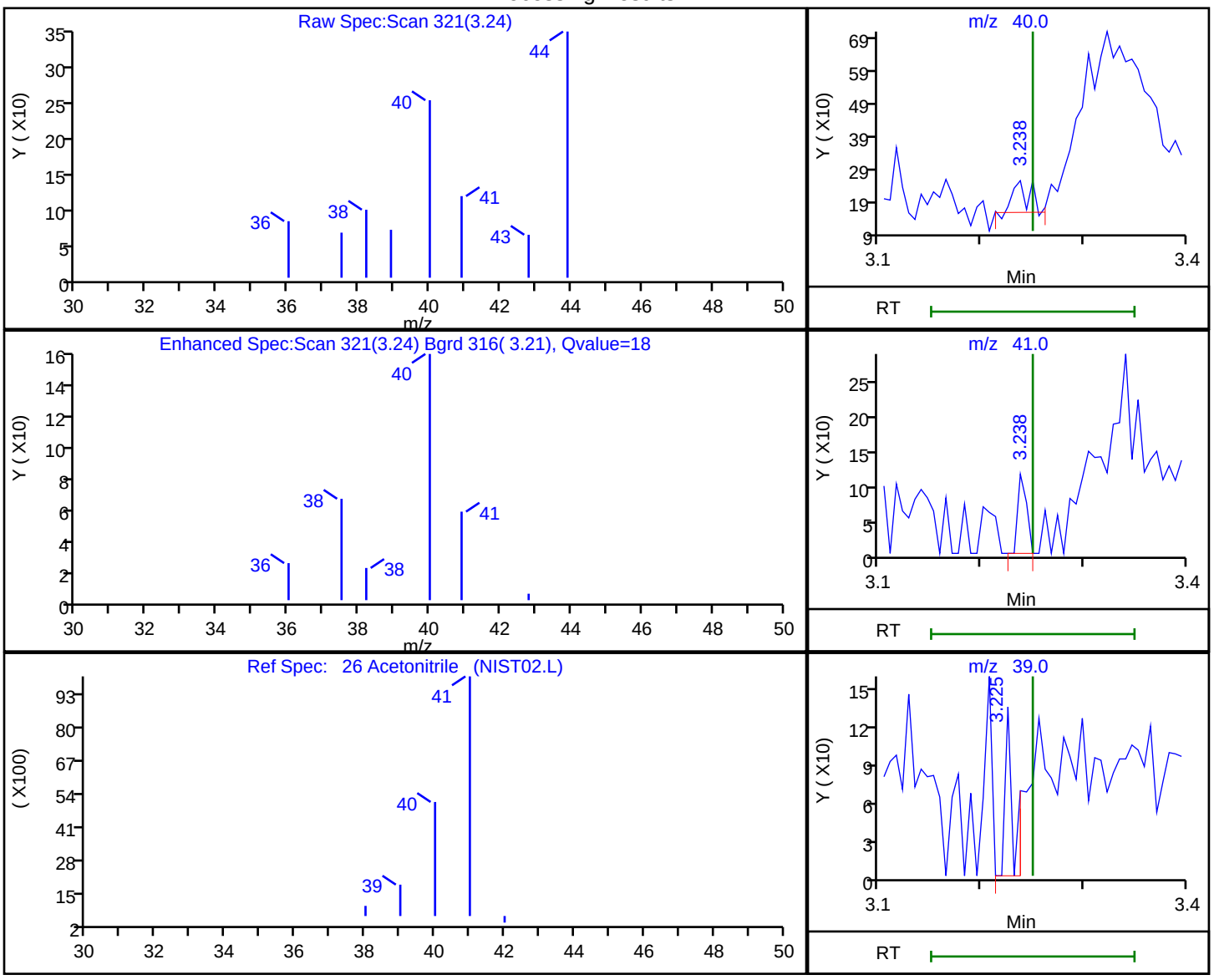
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 26 Acetonitrile, CAS: 75-05-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.24 | 40.00 | 103 | 0.447219 |
| 3.24 | 41.00 | 68 | |
| 3.23 | 39.00 | 73 | |
| 3.23 | 38.00 | 151 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

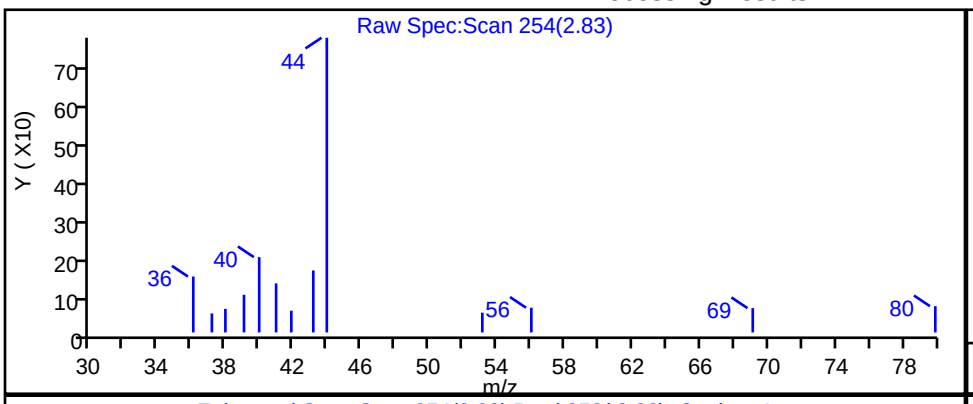
User Disabled Compound Report

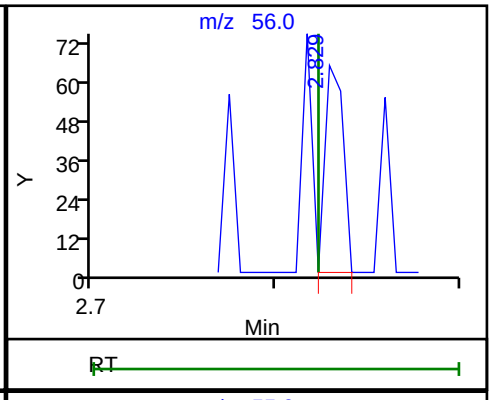
TestAmerica Edison

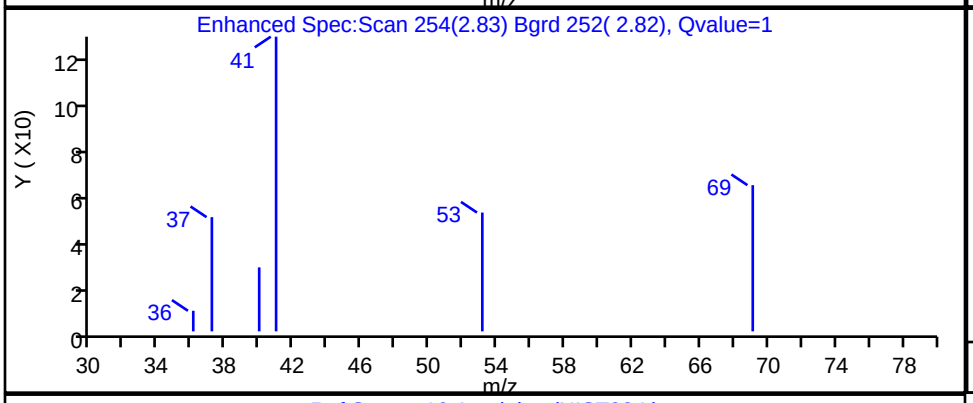
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

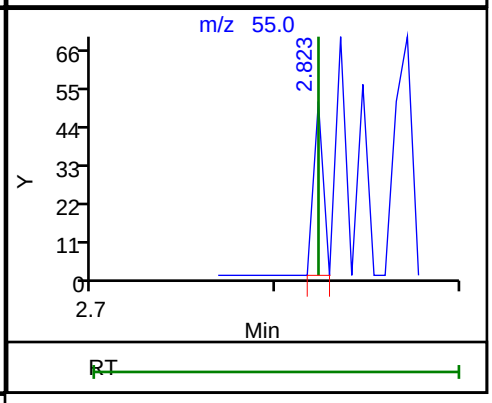
## 16 Acrolein, CAS: 107-02-8

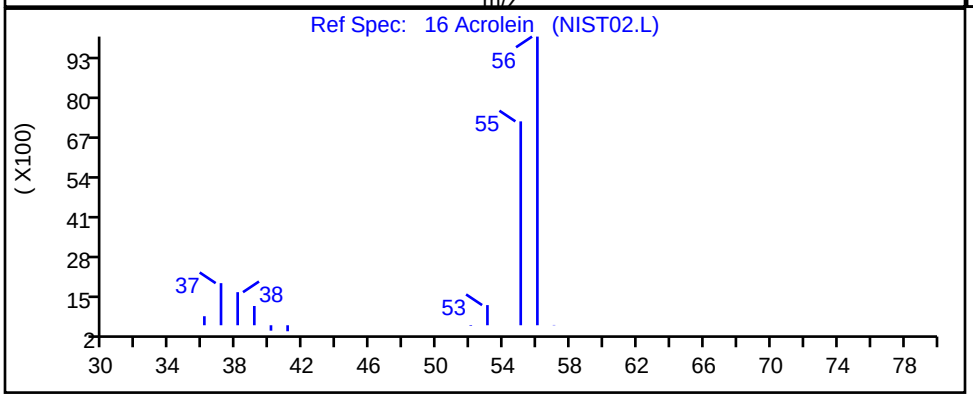
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.83 | 56.00 | 45 | 0.136445 |
| 2.82 | 55.00 | 19 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

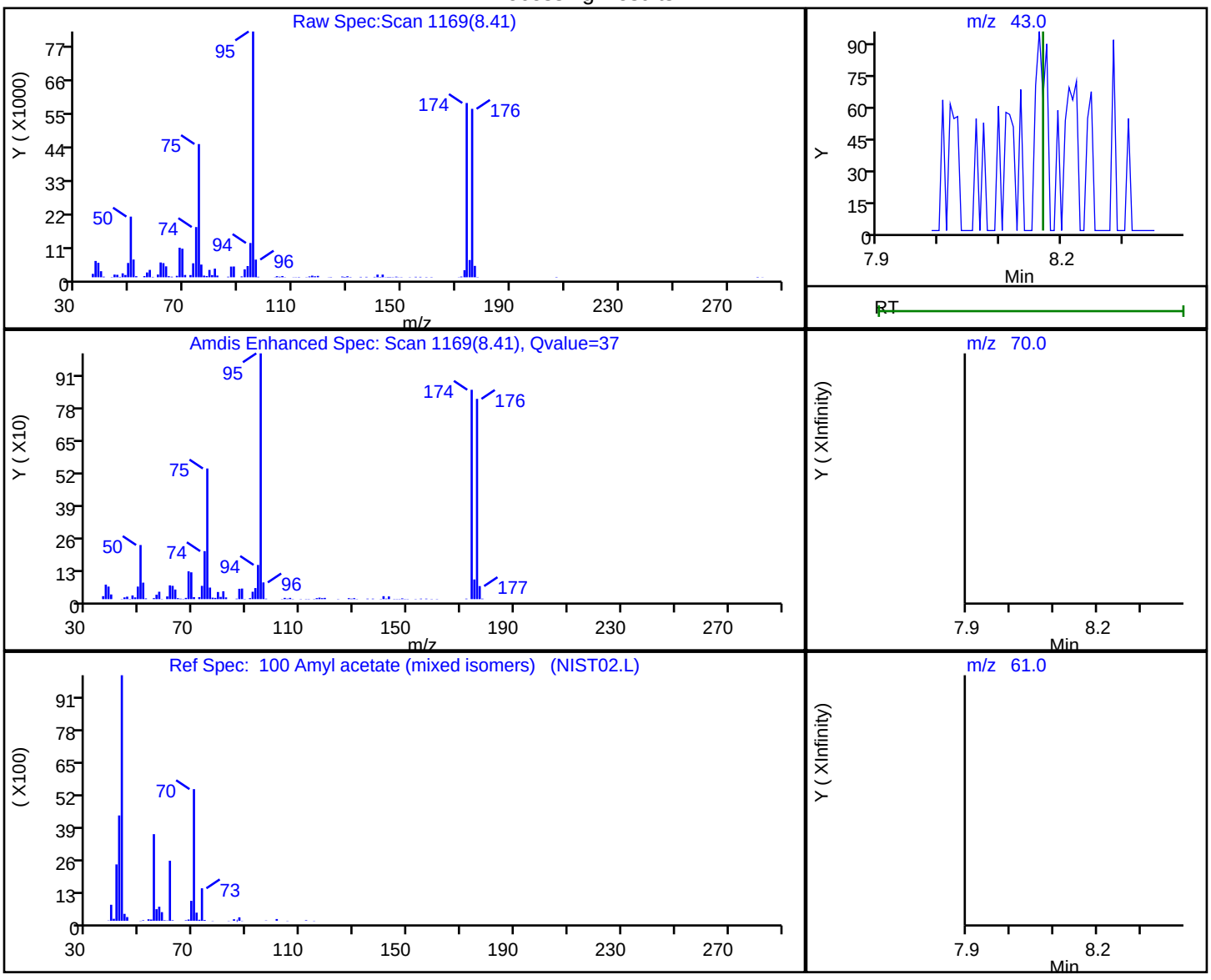
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D
Injection Date: 01-May-2018 23:18:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 100 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.41 | 43.00 | 186 | 0.046249 |
| 8.41 | 70.00 | 779 | |
| 8.41 | 61.00 | 5324 | |

Reviewer: delpolitov, 03-May-2018 09:58:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

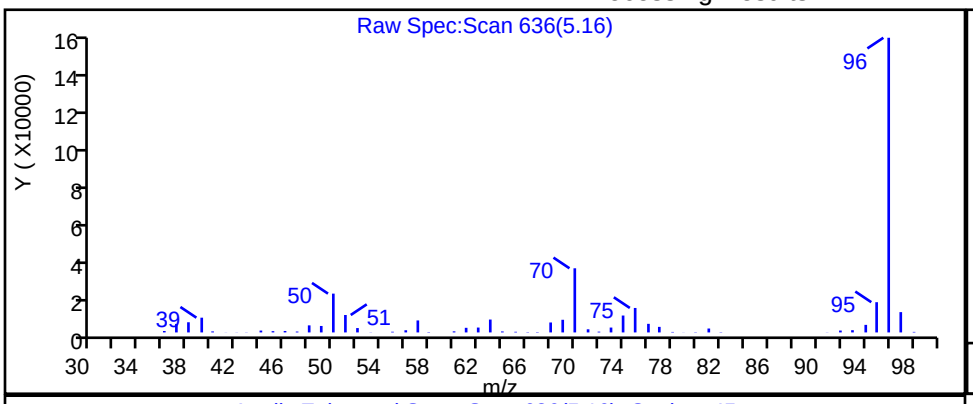
User Disabled Compound Report

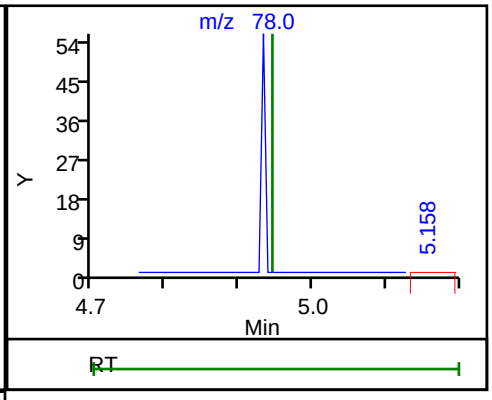
TestAmerica Edison

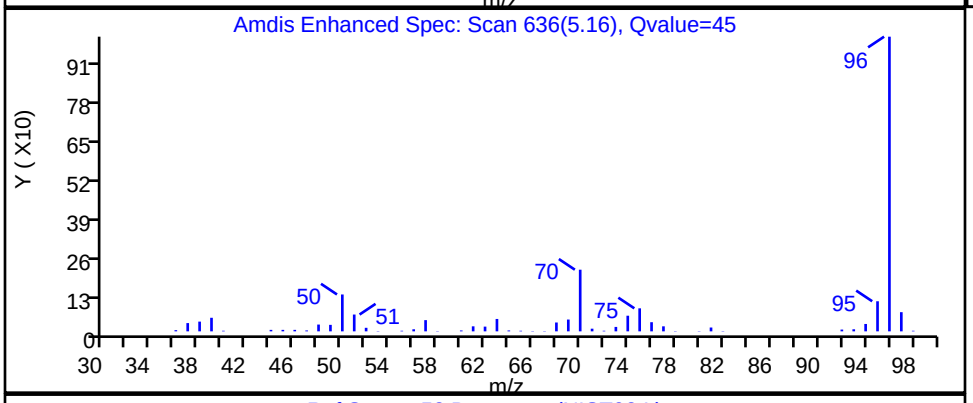
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

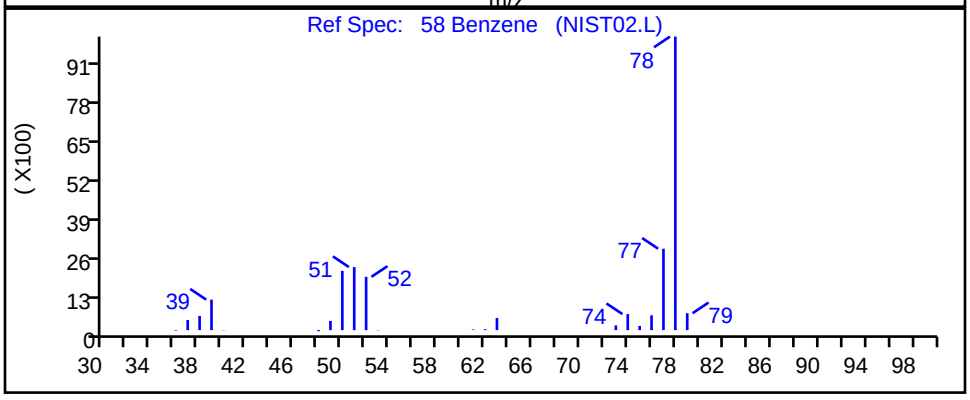
## 58 Benzene, CAS: 71-43-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.16 | 78.00 | 485 | 0.062788 |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

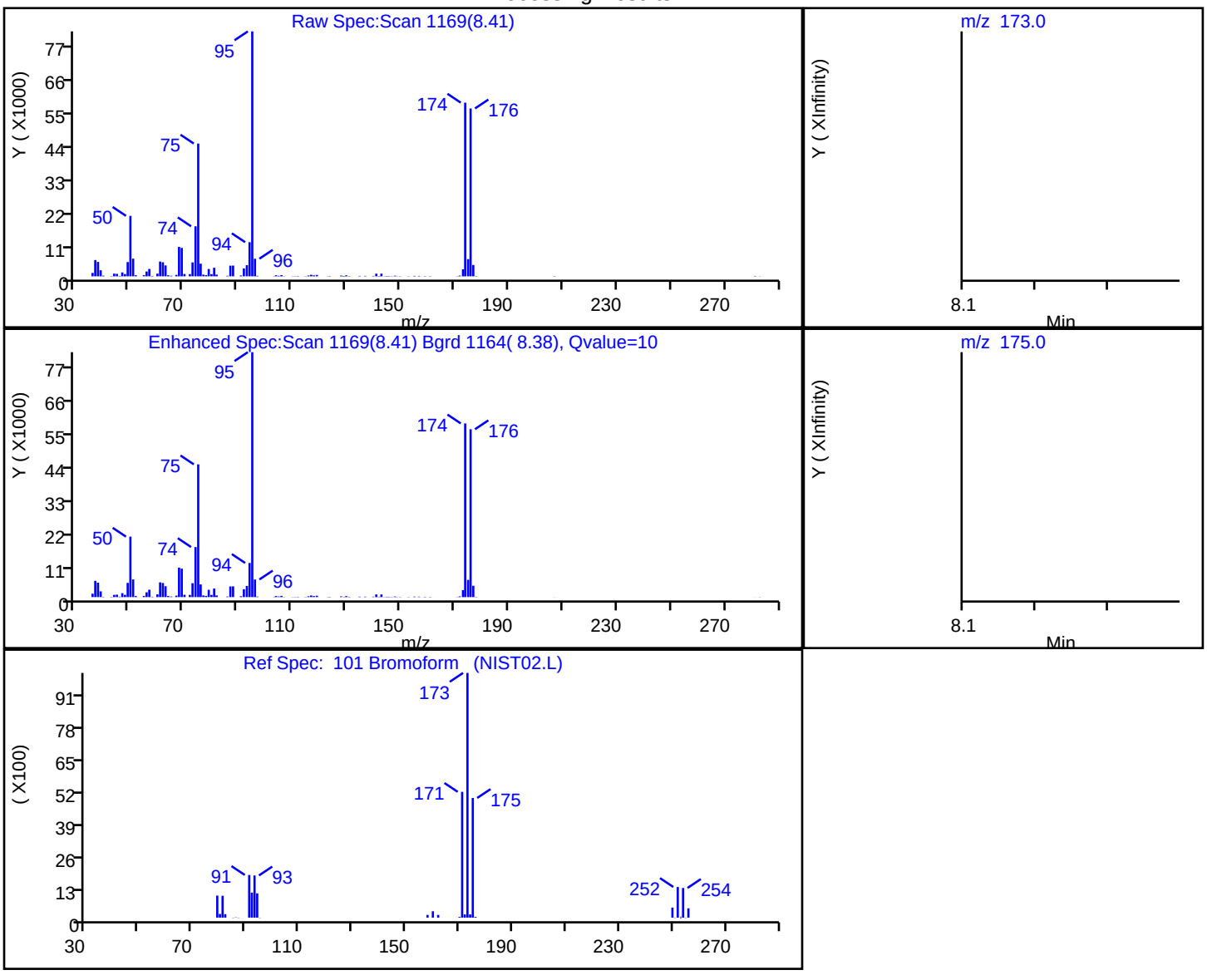
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 101 Bromoform, CAS: 75-25-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.41 | 173.00 | 1123 | 1.095097 |
| 8.41 | 175.00 | 7888 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

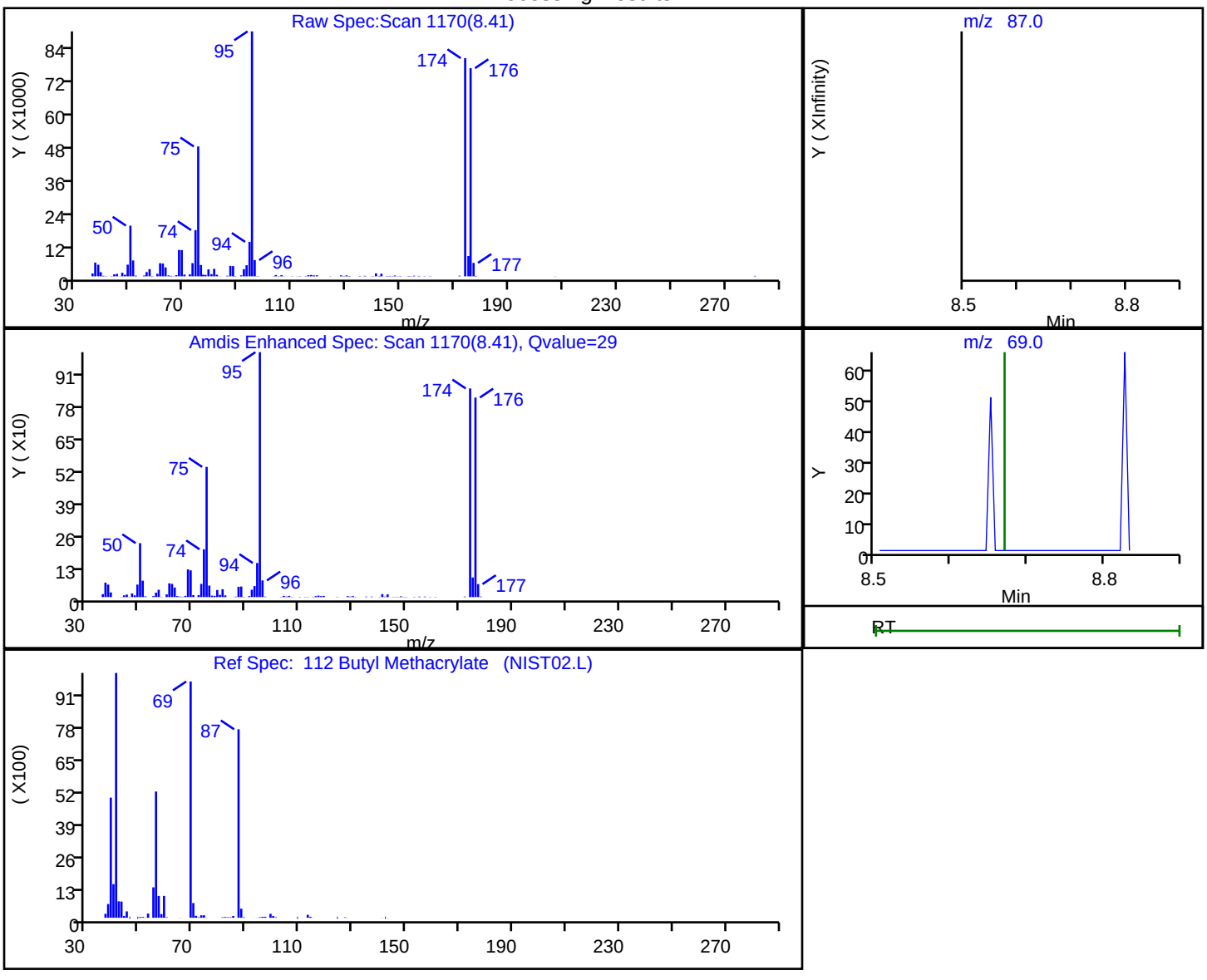
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D
Injection Date: 01-May-2018 23:18:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 112 Butyl Methacrylate, CAS: 97-88-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.41 | 87.00 | 4288 | 1.894657 |
| 8.41 | 69.00 | 11029 | |

Reviewer: delpolitov, 03-May-2018 09:58:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

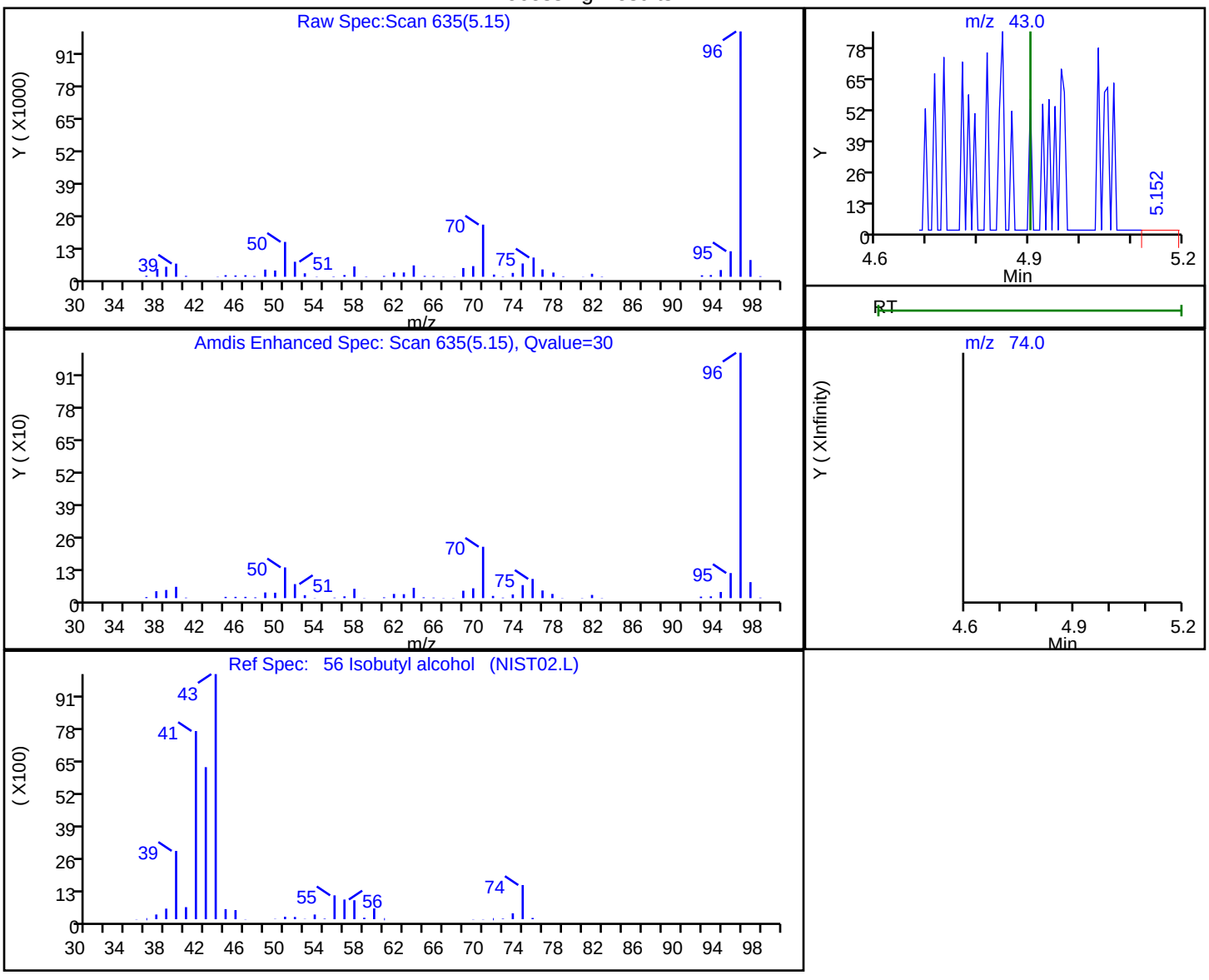
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 56 Isobutyl alcohol, CAS: 78-83-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.15 | 43.00 | 235 | 2.590130 |
| 5.16 | 74.00 | 17039 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

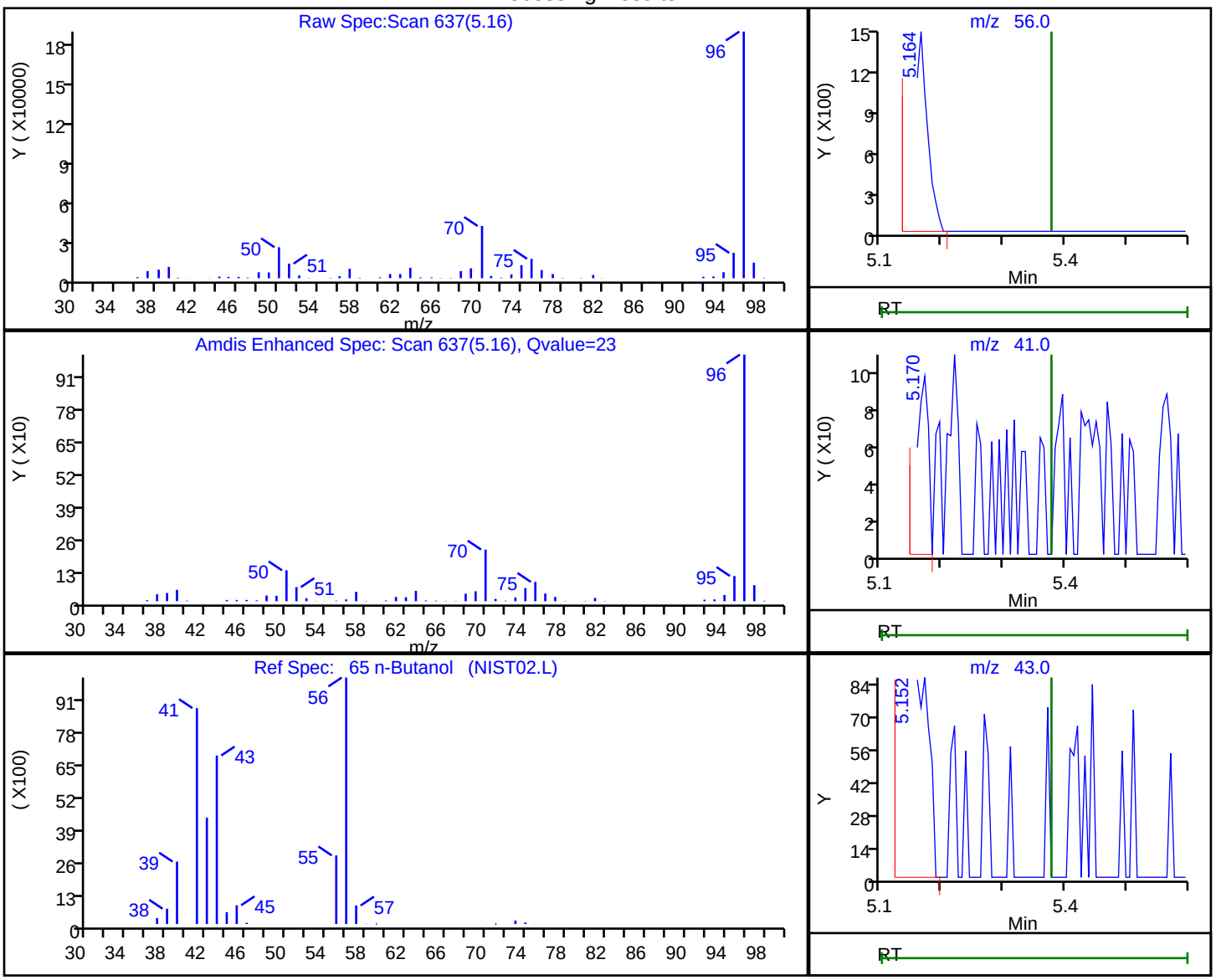
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D
Injection Date: 01-May-2018 23:18:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.16 | 56.00 | 2235 | 53.249034 |
| 5.17 | 41.00 | 105 | |
| 5.15 | 43.00 | 235 | |

Reviewer: delpolitov, 03-May-2018 09:58:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

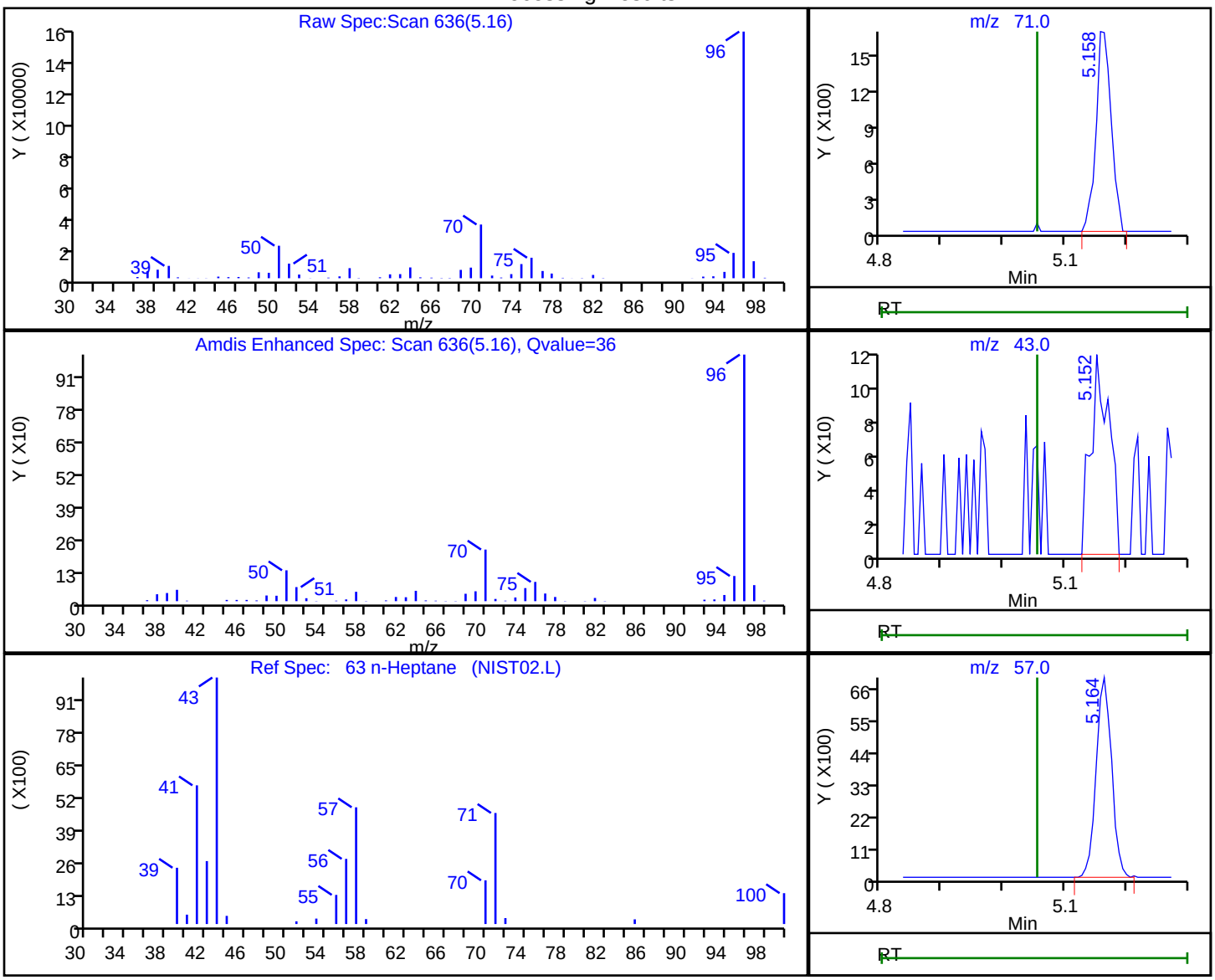
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D
Injection Date: 01-May-2018 23:18:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 63 n-Heptane, CAS: 142-82-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.16 | 71.00 | 2818 | 1.565641 |
| 5.15 | 43.00 | 235 | |
| 5.16 | 57.00 | 12186 | |

Reviewer: delpolitov, 03-May-2018 09:58:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

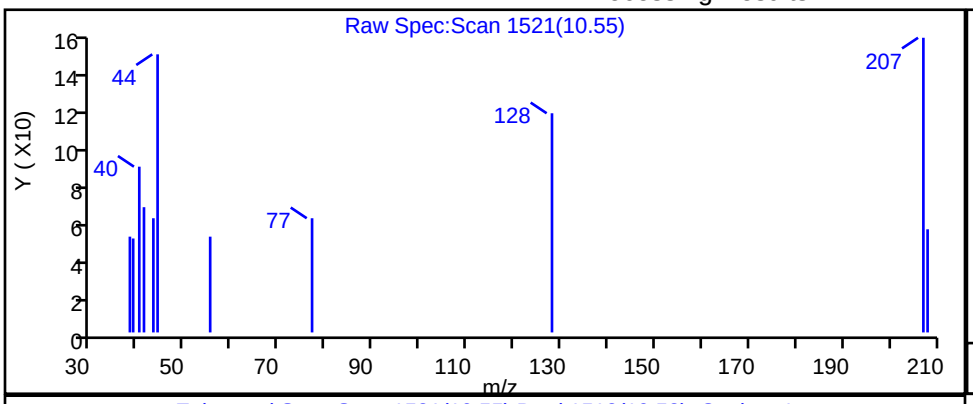
User Disabled Compound Report

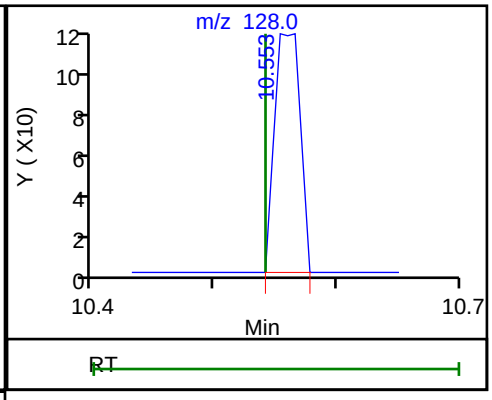
TestAmerica Edison

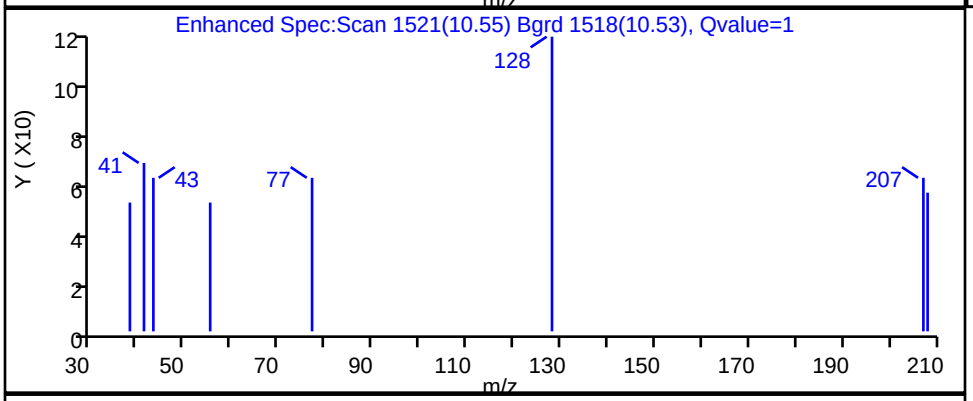
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

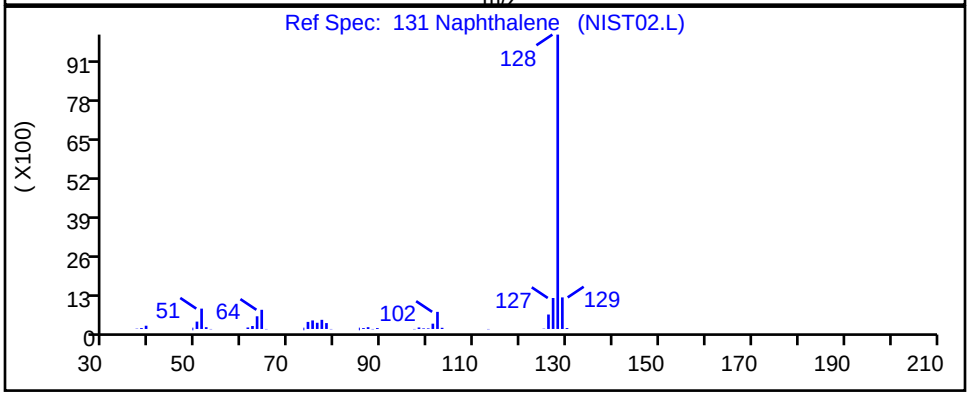
## 131 Naphthalene, CAS: 91-20-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.55 | 128.00 | 174 | 0.390957 |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

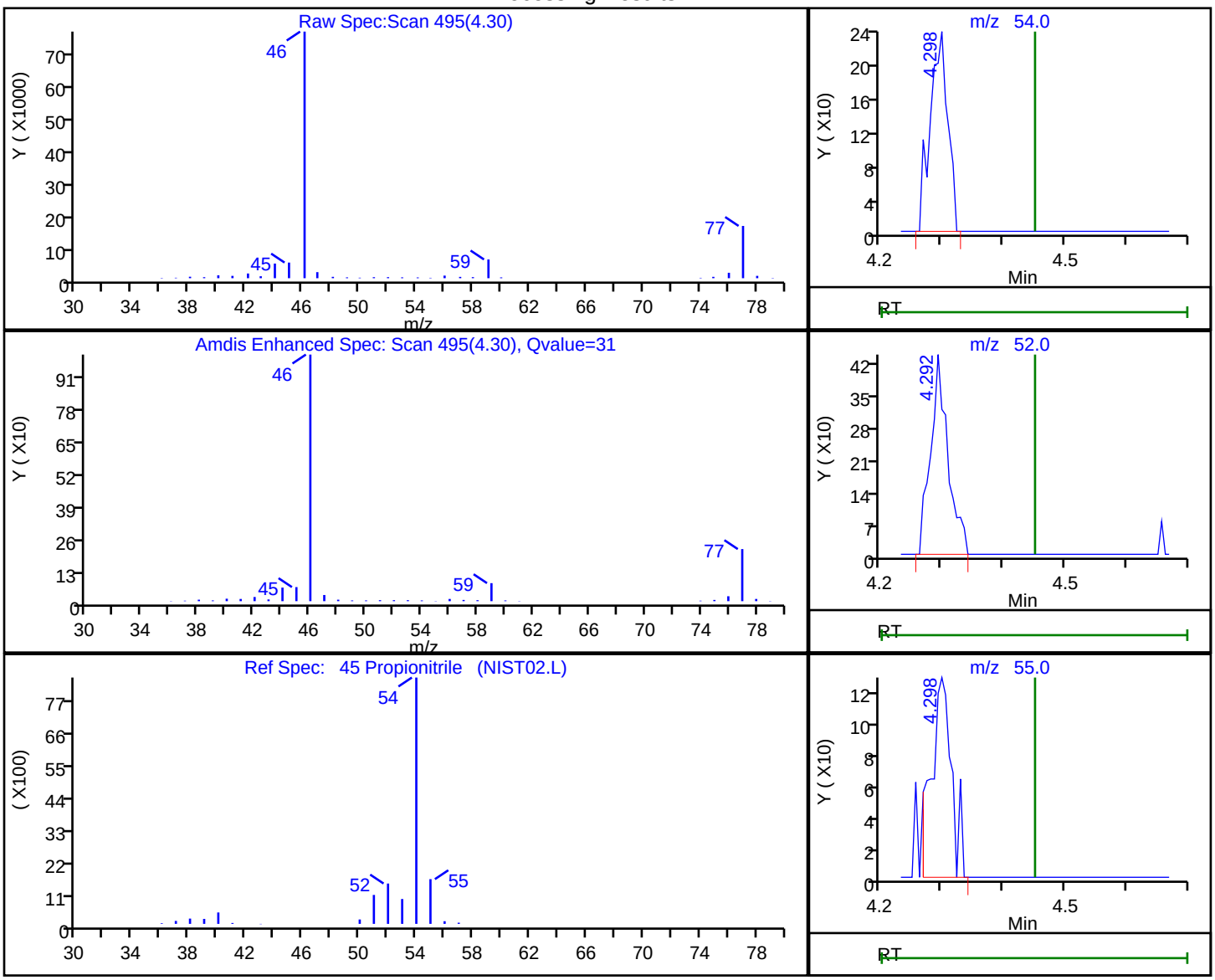
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 45 Propionitrile, CAS: 107-12-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.30 | 54.00 | 466 | 1.522537 |
| 4.29 | 52.00 | 862 | |
| 4.30 | 55.00 | 293 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

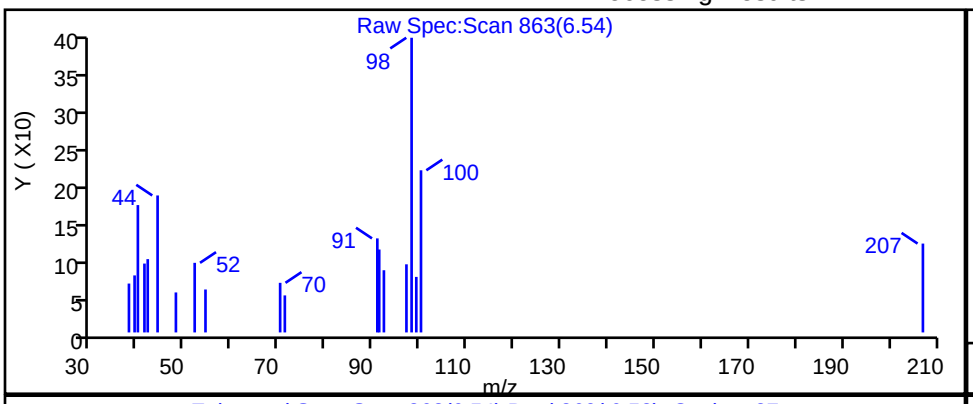
User Disabled Compound Report

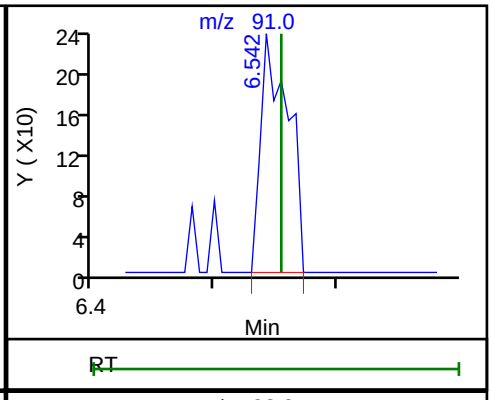
TestAmerica Edison

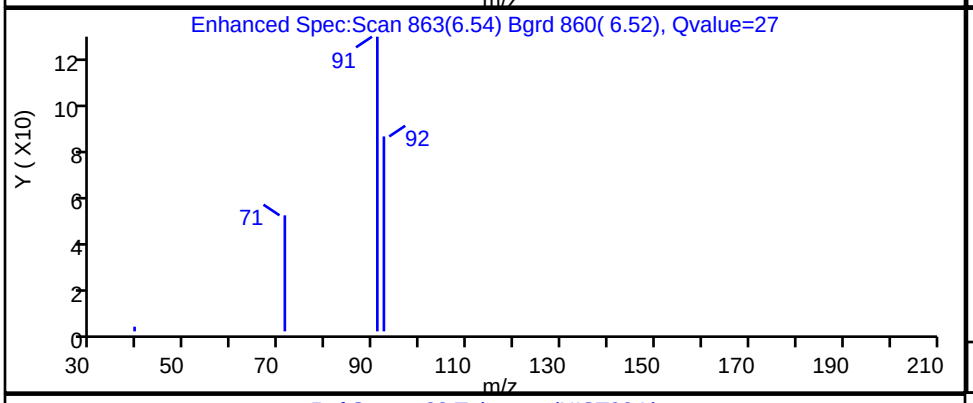
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54973.D | | | | |
| Injection Date: | 01-May-2018 23:18:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD7 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

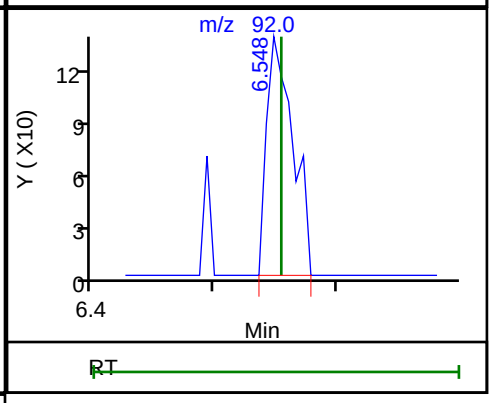
## 82 Toluene, CAS: 108-88-3

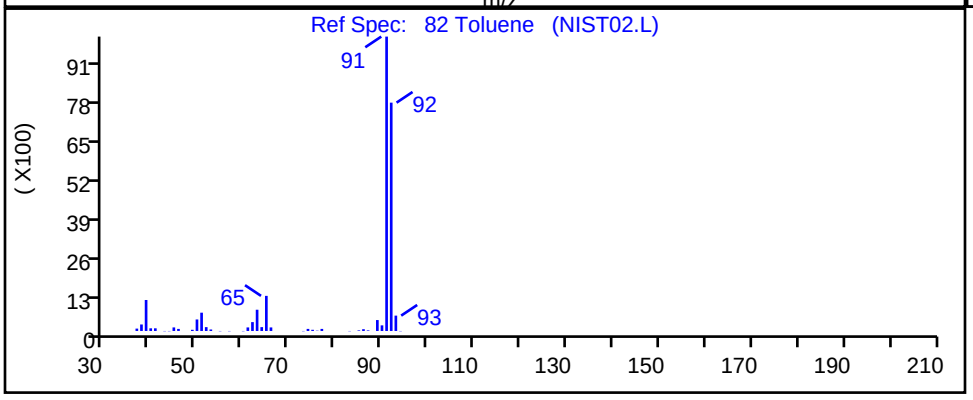
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 6.54 | 91.00 | 374 | 0.049762 |
| 6.55 | 92.00 | 197 | |

Reviewer: delpolitov, 03-May-2018 09:58:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-May-2018 23:43:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0071367-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 03-May-2018 11:11:57 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: boykink Date: 02-May-2018 00:18:28

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.531 | 1.531 | 0.000 | 73 | 1061 | 1.00 | 0.9400 | |
| 3 Dichlorodifluoromethane | 85 | 1.561 | 1.561 | 0.000 | 97 | 3334 | 1.00 | 1.11 | |
| 4 Chloromethane | 50 | 1.744 | 1.744 | 0.000 | 99 | 4316 | 1.00 | 1.21 | |
| 6 Butadiene | 39 | 1.835 | 1.842 | -0.007 | 93 | 3728 | 1.00 | 1.19 | |
| 5 Vinyl chloride | 62 | 1.835 | 1.842 | -0.007 | 97 | 3679 | 1.00 | 1.17 | |
| 7 Bromomethane | 94 | 2.152 | 2.152 | 0.000 | 96 | 2465 | 1.00 | 1.23 | |
| 8 Chloroethane | 64 | 2.220 | 2.220 | 0.000 | 97 | 2602 | 1.00 | 1.27 | |
| 10 Dichlorofluoromethane | 67 | 2.427 | 2.421 | 0.006 | 97 | 5419 | 1.00 | 1.22 | |
| 11 Pentane | 72 | 2.433 | 2.427 | 0.006 | 97 | 754 | 2.00 | 2.29 | |
| 9 Trichlorofluoromethane | 101 | 2.433 | 2.433 | 0.000 | 95 | 4015 | 1.00 | 1.17 | |
| 12 Ethanol | 46 | 2.598 | 2.616 | -0.018 | 22 | 401 | 40.0 | 39.1 | Ma |
| 13 Ethyl ether | 59 | 2.628 | 2.634 | -0.006 | 84 | 2030 | 1.00 | 1.18 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.652 | 2.652 | 0.000 | 85 | 2135 | 1.00 | 1.13 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.744 | 2.738 | 0.006 | 87 | 1859 | 1.00 | 1.14 | |
| 16 Acrolein | 56 | 2.823 | 2.823 | 0.000 | 75 | 1478 | 4.00 | 4.70 | |
| 18 1,1-Dichloroethene | 96 | 2.854 | 2.854 | 0.000 | 95 | 2078 | 1.00 | 1.14 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.854 | 2.860 | -0.006 | 59 | 1923 | 1.00 | 1.02 | |
| 19 Acetone | 58 | 2.951 | 2.951 | 0.000 | 85 | 943 | 5.00 | 5.24 | |
| 20 Iodomethane | 142 | 3.006 | 3.018 | -0.012 | 99 | 3573 | 1.00 | 1.10 | |
| 21 Carbon disulfide | 76 | 3.043 | 3.043 | 0.000 | 100 | 7373 | 1.00 | 1.11 | |
| 22 Isopropyl alcohol | 45 | 3.049 | 3.049 | 0.000 | 31 | 1565 | 10.0 | 11.9 | a |
| 23 3-Chloro-1-propene | 76 | 3.177 | 3.177 | 0.000 | 89 | 1261 | 1.00 | 1.05 | |
| 25 Cyclopentene | 67 | 3.195 | 3.195 | 0.000 | 91 | 5003 | 1.00 | 1.05 | |
| 24 Methyl acetate | 43 | 3.195 | 3.195 | 0.000 | 74 | 3703 | 2.00 | 2.07 | |
| 26 Acetonitrile | 40 | 3.256 | 3.250 | 0.006 | 79 | 1686 | 10.0 | 9.64 | Ma |
| 27 Methylene Chloride | 84 | 3.305 | 3.311 | -0.006 | 32 | 2605 | 1.00 | 1.11 | |
| * 28 TBA-d9 (IS) | 65 | 3.317 | 3.311 | 0.006 | 0 | 146695 | 1000.0 | 1000.0 | |
| 29 2-Methyl-2-propanol | 59 | 3.384 | 3.384 | 0.000 | 36 | 2370 | 10.0 | 11.8 | |
| 30 Methyl tert-butyl ether | 73 | 3.469 | 3.463 | 0.006 | 96 | 6040 | 1.00 | 1.05 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.488 | 3.488 | 0.000 | 97 | 2318 | 1.00 | 1.13 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.567 | 3.561 | 0.006 | 93 | 9104 | 10.0 | 10.4 | |
| 33 Hexane | 43 | 3.634 | 3.634 | 0.000 | 93 | 2219 | 1.00 | 1.10 | |
| 34 Isopropyl ether | 45 | 3.841 | 3.835 | 0.006 | 93 | 7615 | 1.00 | 1.07 | |
| 35 1,1-Dichloroethane | 63 | 3.866 | 3.859 | 0.007 | 98 | 4495 | 1.00 | 1.14 | |
| 36 Vinyl acetate | 86 | 3.878 | 3.878 | 0.000 | 99 | 573 | 2.00 | 1.68 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.902 | 3.902 | 0.000 | 93 | 1735 | 1.00 | 1.01 | |
| 38 Tert-butyl ethyl ether | 59 | 4.122 | 4.116 | 0.006 | 89 | 5976 | 1.00 | 1.01 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.286 | 0.006 | 0 | 196339 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.311 | 4.311 | 0.000 | 50 | 648 | 1.00 | 0.9690 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.323 | 4.317 | 0.006 | 90 | 2306 | 1.00 | 1.04 | |
| 42 Ethyl acetate | 70 | 4.323 | 4.335 | -0.012 | 91 | 345 | 2.00 | 1.90 | |
| 43 2-Butanone (MEK) | 72 | 4.341 | 4.335 | 0.006 | 94 | 925 | 5.00 | 4.60 | |
| 44 Methyl acrylate | 55 | 4.384 | 4.378 | 0.006 | 95 | 1682 | 1.00 | 0.9813 | a |
| 45 Propionitrile | 54 | 4.451 | 4.451 | 0.000 | 97 | 2941 | 10.0 | 10.1 | |
| 46 Chlorobromomethane | 128 | 4.512 | 4.506 | 0.006 | 89 | 1139 | 1.00 | 1.08 | |
| 47 Tetrahydrofuran | 72 | 4.506 | 4.512 | -0.006 | 53 | 486 | 2.00 | 2.00 | |
| 48 Methacrylonitrile | 67 | 4.530 | 4.530 | 0.000 | 95 | 7504 | 10.0 | 9.19 | |
| 49 Chloroform | 83 | 4.554 | 4.548 | 0.006 | 96 | 3962 | 1.00 | 1.08 | |
| 50 Cyclohexane | 56 | 4.658 | 4.658 | 0.000 | 92 | 3425 | 1.00 | 0.9296 | |
| 51 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.000 | 84 | 3392 | 1.00 | 1.08 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.676 | 4.676 | 0.000 | 96 | 81359 | 50.0 | 49.4 | |
| 54 Carbon tetrachloride | 117 | 4.774 | 4.768 | 0.006 | 95 | 2771 | 1.00 | 1.06 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 93 | 2932 | 1.00 | 1.04 | |
| 56 Isobutyl alcohol | 43 | 4.902 | 4.902 | 0.000 | 88 | 3381 | 25.0 | 24.0 | |
| 57 Isooctane | 57 | 4.914 | 4.914 | 0.000 | 97 | 6511 | 1.00 | 0.8683 | |
| 58 Benzene | 78 | 4.939 | 4.945 | -0.007 | 96 | 8259 | 1.00 | 1.07 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 99480 | 50.0 | 47.8 | |
| 60 Isopropyl acetate | 43 | 4.981 | 4.981 | 0.000 | 92 | 6152 | 1.00 | 0.9550 | |
| 61 Tert-amyl methyl ether | 87 | 4.993 | 4.987 | 0.006 | 78 | 1674 | 1.00 | 0.9565 | |
| 62 1,2-Dichloroethane | 62 | 5.012 | 5.012 | 0.000 | 95 | 3368 | 1.00 | 1.13 | |
| 63 n-Heptane | 71 | 5.054 | 5.054 | 0.000 | 92 | 1622 | 1.00 | 0.9405 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 97 | 301906 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.371 | 5.377 | -0.006 | 67 | 1007 | 25.0 | 22.8 | |
| 66 Trichloroethene | 95 | 5.420 | 5.420 | 0.000 | 96 | 1983 | 1.00 | 1.01 | |
| 67 Ethyl acrylate | 56 | 5.512 | 5.512 | 0.000 | 90 | 1324 | 1.00 | 0.9473 | |
| 68 Methylcyclohexane | 83 | 5.518 | 5.518 | 0.000 | 87 | 3071 | 1.00 | 0.9064 | |
| 69 1,2-Dichloropropane | 63 | 5.646 | 5.646 | 0.000 | 83 | 2076 | 1.00 | 0.9881 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 13851 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.688 | 5.694 | -0.006 | 70 | 787 | 2.00 | 1.78 | |
| 73 1,4-Dioxane | 88 | 5.731 | 5.731 | 0.000 | 32 | 724 | 50.0 | 49.5 | |
| 72 n-Propyl acetate | 43 | 5.731 | 5.731 | 0.000 | 98 | 2699 | 1.00 | 0.9615 | |
| 74 Dibromomethane | 93 | 5.743 | 5.749 | -0.006 | 92 | 1237 | 1.00 | 0.9606 | |
| 75 Dichlorobromomethane | 83 | 5.859 | 5.859 | 0.000 | 95 | 2455 | 1.00 | 0.9586 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.127 | 6.127 | 0.000 | 46 | 913 | 1.00 | 0.8125 | a |
| 77 2-Nitropropane | 41 | 6.139 | 6.140 | -0.001 | 80 | 1252 | 2.00 | 2.55 | |
| 78 Epichlorohydrin | 57 | 6.225 | 6.231 | -0.006 | 98 | 3009 | 20.0 | 17.5 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.280 | 6.274 | 0.006 | 95 | 2263 | 1.00 | 0.8307 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.414 | 6.414 | 0.000 | 98 | 9168 | 5.00 | 4.52 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 98 | 252195 | 50.0 | 47.5 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 94 | 7760 | 1.00 | 1.03 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.804 | 6.804 | 0.000 | 96 | 2040 | 1.00 | 0.8668 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 93 | 1799 | 1.00 | 0.8117 | |

| 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 | 6.963 | 6.963 | -0.001 | 93 | 1384 | 1.00 | 1.03 | |
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 96 | 2004 | 1.00 | 1.09 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 2575 | 1.00 | 0.9672 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 99 | 5515 | 5.00 | 4.40 | |
| 89 n-Butyl acetate | 73 | 7.188 | 7.194 | -0.006 | 98 | 422 | 1.00 | 0.9405 | |
| 90 Chlorodibromomethane | 129 | 7.249 | 7.249 | 0.000 | 97 | 1478 | 1.00 | 0.9343 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 97 | 1436 | 1.00 | 0.9704 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.658 | -0.001 | 89 | 210683 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 96 | 4905 | 1.00 | 1.02 | |
| 94 Ethylbenzene | 106 | 7.725 | 7.725 | 0.000 | 99 | 2581 | 1.00 | 0.9898 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 88 | 1765 | 1.00 | 0.9731 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 98 | 3111 | 1.00 | 0.9623 | |
| 97 n-Butyl acrylate | 73 | 8.035 | 8.035 | 0.000 | 95 | 1119 | 1.00 | 0.8598 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 94 | 2854 | 1.00 | 0.8836 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 93 | 4711 | 1.00 | 0.8595 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.170 | 8.170 | 0.000 | 91 | 3359 | 1.00 | 0.8298 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 93 | 910 | 1.00 | 0.8891 | |
| 102 Isopropylbenzene | 105 | 8.279 | 8.285 | -0.006 | 96 | 8191 | 1.00 | 0.9094 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.407 | 8.413 | -0.006 | 87 | 85336 | 50.0 | 49.0 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 97 | 2275 | 1.00 | 0.99 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 97 | 2291 | 1.00 | 0.9386 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 98 | 11064 | 1.00 | 0.9462 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 69 | 649 | 1.00 | 0.9287 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 94 | 672 | 1.00 | 0.9562 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 97 | 9198 | 1.00 | 0.9144 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 97 | 7844 | 1.00 | 0.9482 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 91 | 7226 | 1.00 | 0.8739 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 96 | 6776 | 1.00 | 0.9473 | |
| 112 Butyl Methacrylate | 87 | 8.669 | 8.670 | -0.001 | 95 | 1935 | 1.00 | 0.7274 | |
| 114 tert-Butylbenzene | 119 | 8.804 | 8.804 | 0.000 | 92 | 5558 | 1.00 | 0.8353 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.840 | 0.000 | 98 | 7273 | 1.00 | 0.8564 | |
| 116 sec-Butylbenzene | 105 | 8.926 | 8.926 | 0.000 | 98 | 8585 | 1.00 | 0.8354 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 97 | 7522 | 1.00 | 0.8444 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 93 | 4718 | 1.00 | 0.9774 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.060 | 9.060 | 0.000 | 97 | 139737 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.072 | 9.072 | 0.000 | 88 | 5002 | 1.00 | 1.01 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.078 | 9.078 | 0.000 | 15 | 8274 | 1.00 | 0.9110 | a |
| 121 Benzyl chloride | 91 | 9.151 | 9.151 | 0.000 | 98 | 2901 | 1.00 | 0.7539 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.200 | -0.006 | 91 | 8861 | 1.00 | 0.9300 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.212 | 0.000 | 90 | 4832 | 1.00 | 0.8932 | a |
| 124 n-Butylbenzene | 92 | 9.230 | 9.230 | 0.000 | 98 | 4347 | 1.00 | 0.8828 | |
| 125 1,2-Dichlorobenzene | 146 | 9.291 | 9.291 | 0.000 | 93 | 4266 | 1.00 | 0.9357 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.688 | 9.688 | 0.000 | 96 | 5895 | 1.00 | 0.8326 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.773 | 9.779 | -0.006 | 85 | 315 | 1.00 | 0.8820 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.870 | 9.870 | 0.000 | 95 | 2529 | 1.00 | 0.9111 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.328 | 10.328 | 0.000 | 91 | 1484 | 1.00 | 0.8036 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.401 | -0.006 | 88 | 1076 | 1.00 | 0.9305 | |
| 131 Naphthalene | 128 | 10.541 | 10.541 | 0.000 | 98 | 2111 | 1.00 | 1.03 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.742 | 10.742 | 0.000 | 93 | 862 | 1.00 | 1.02 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 2.00 | 2.16 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 2.00 | 1.85 | |
| S 135 Total BTEX | 1 | | | | 0 | | 5.00 | 4.94 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00252 | Amount Added: | 1.00 | Units: uL | |
| ACROLEIN W_00076 | Amount Added: | 4.00 | Units: uL | |
| 14DIOXINTER_00083 | Amount Added: | 30.00 | Units: uL | |
| MIX 2 Hi_00070 | Amount Added: | 1.00 | Units: uL | |
| MIX I Hi_00093 | Amount Added: | 1.00 | Units: uL | |
| Ethanol mix_00015 | Amount Added: | 1.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |

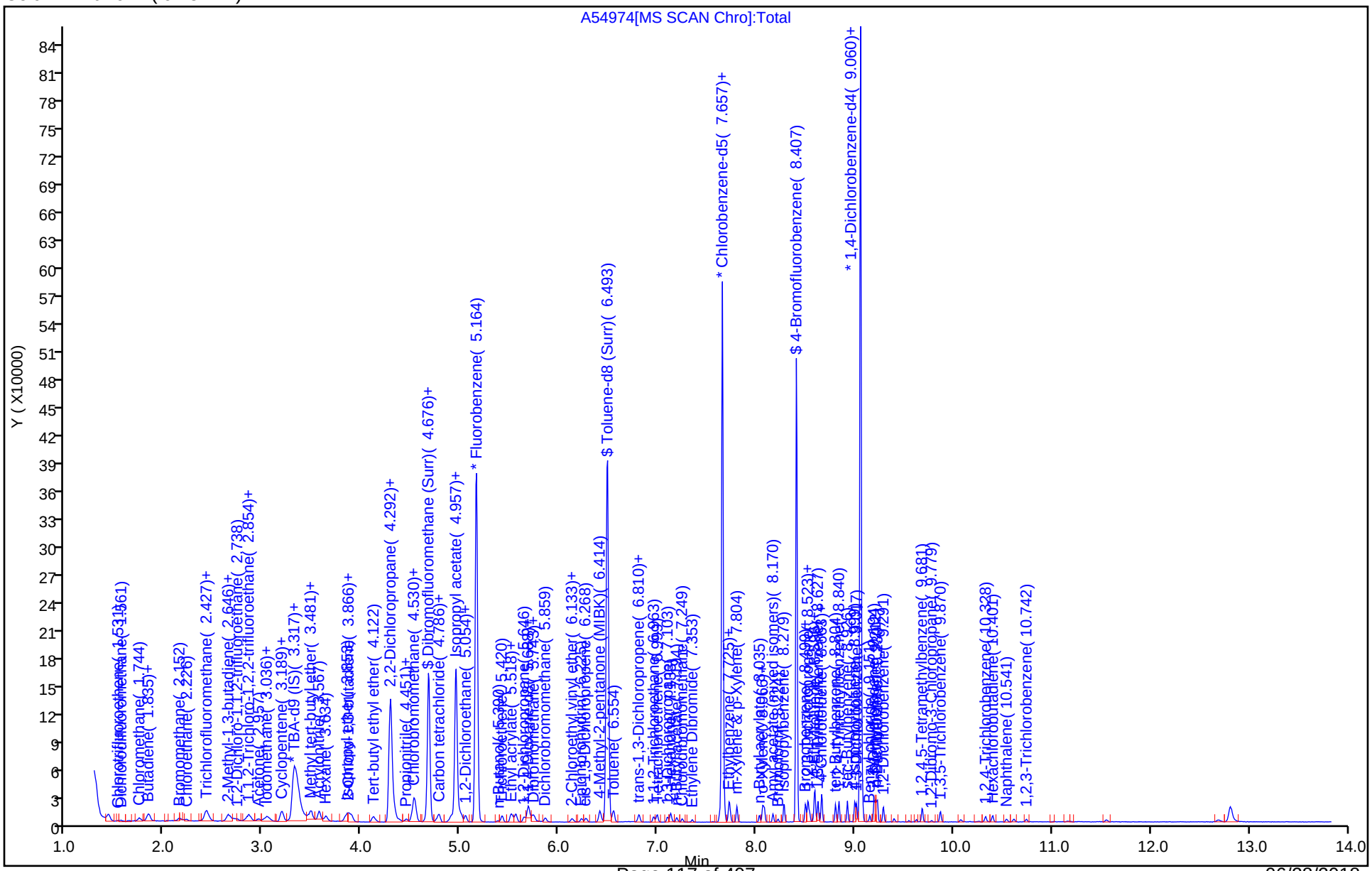
Report Date: 03-May-2018 11:12:04 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 01-May-2018 23:43:30 | 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 - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

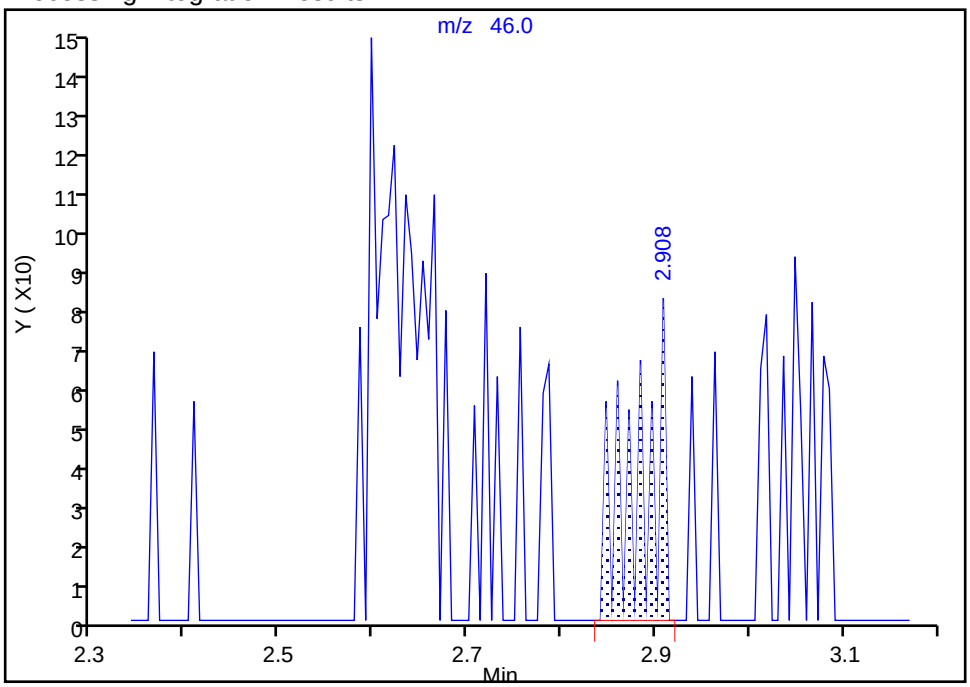
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D
Injection Date: 01-May-2018 23:43:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 12 Ethanol, CAS: 64-17-5

Signal: 1

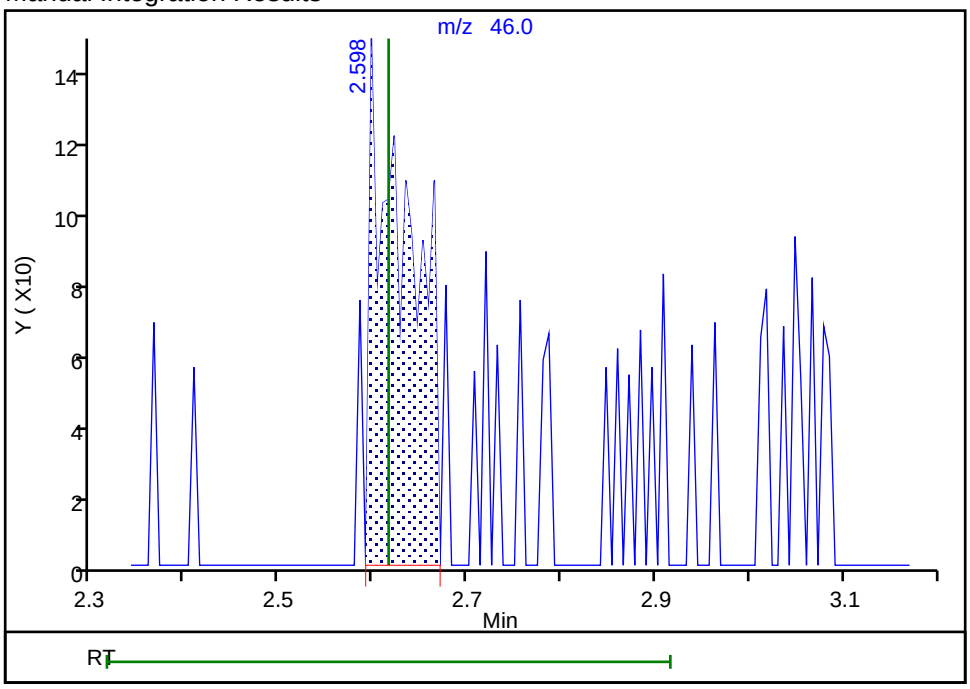
Processing Integration Results

RT: 2.91
Area: 130
Amount: 11.518075
Amount Units: ug/l




Manual Integration Results

RT: 2.60
Area: 401
Amount: 39.109008
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:08:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

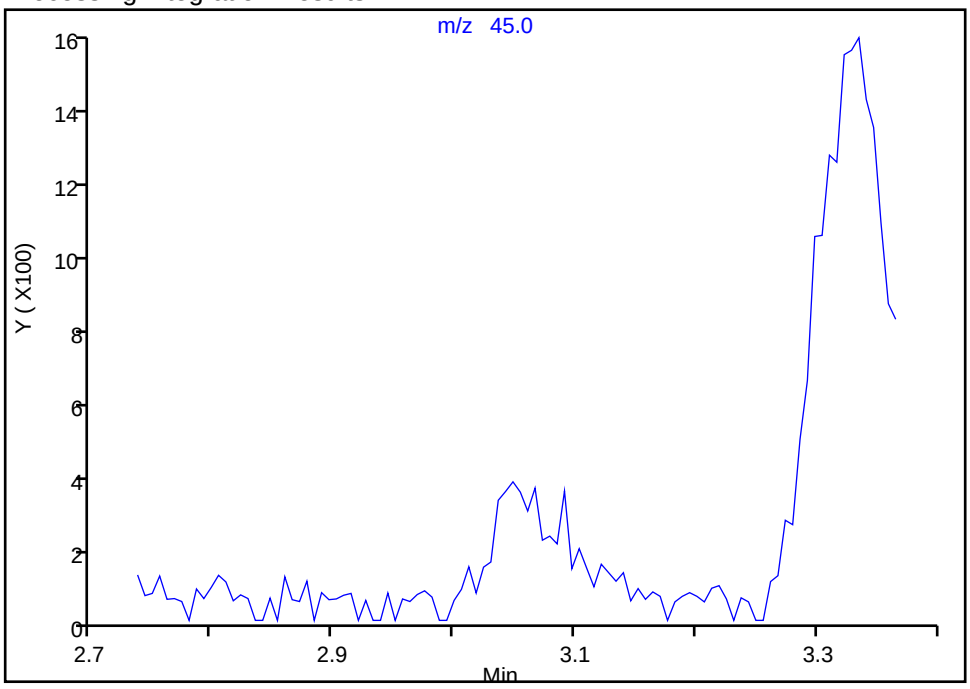
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D
Injection Date: 01-May-2018 23:43:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 22 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

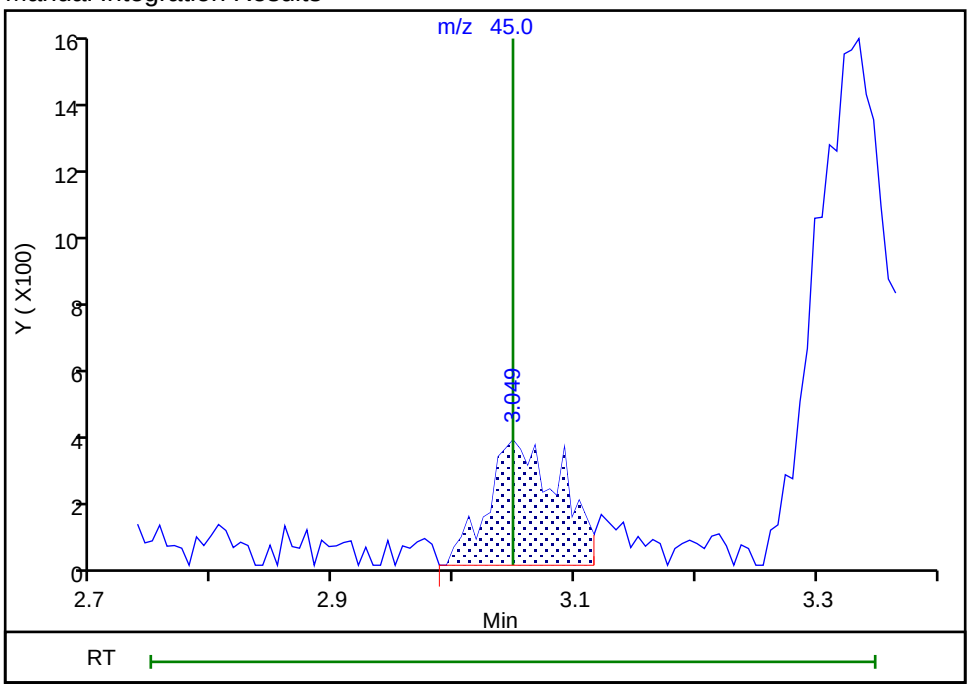
Not Detected
Expected RT: 3.05

Processing Integration Results




Manual Integration Results

RT: 3.05
Area: 1565
Amount: 11.903866
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:09:01
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

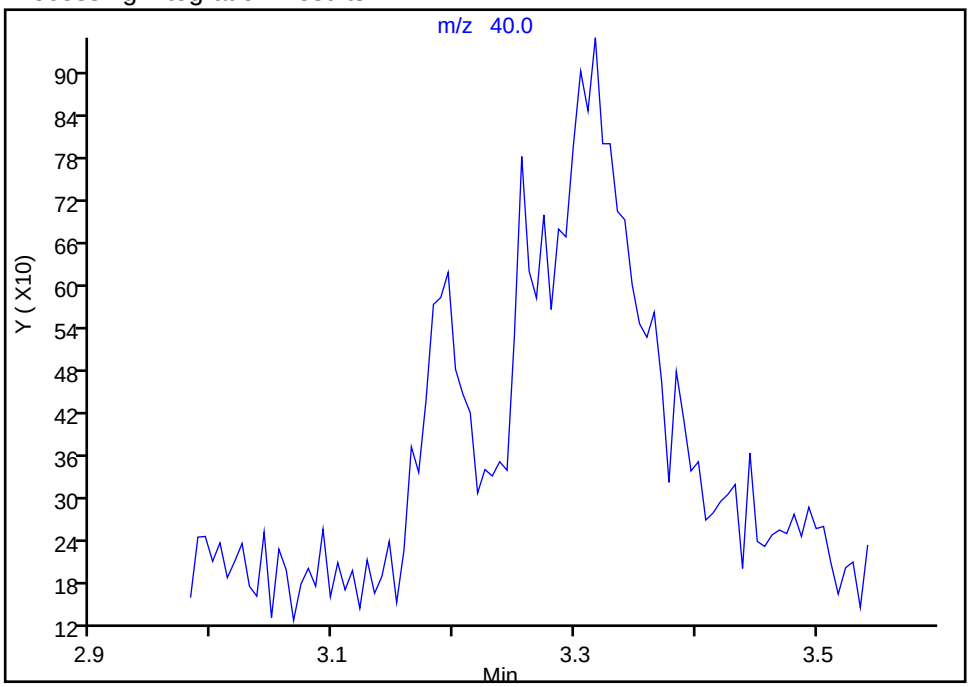
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D
Injection Date: 01-May-2018 23:43:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 26 Acetonitrile, CAS: 75-05-8

Signal: 1

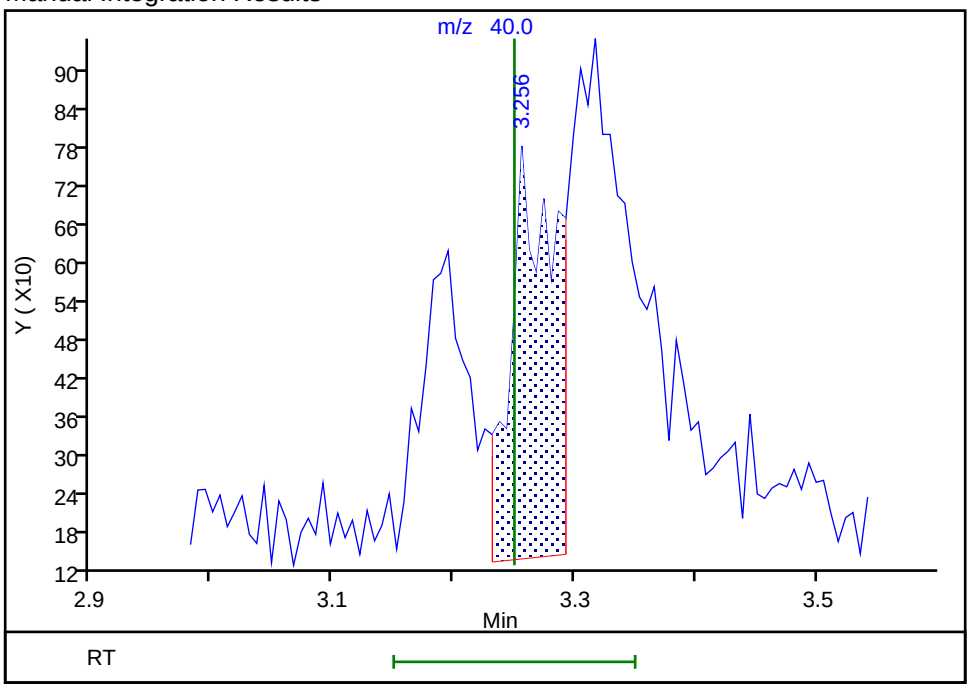
Not Detected
Expected RT: 3.25

Processing Integration Results




Manual Integration Results

RT: 3.26
Area: 1686
Amount: 9.642546
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:09:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

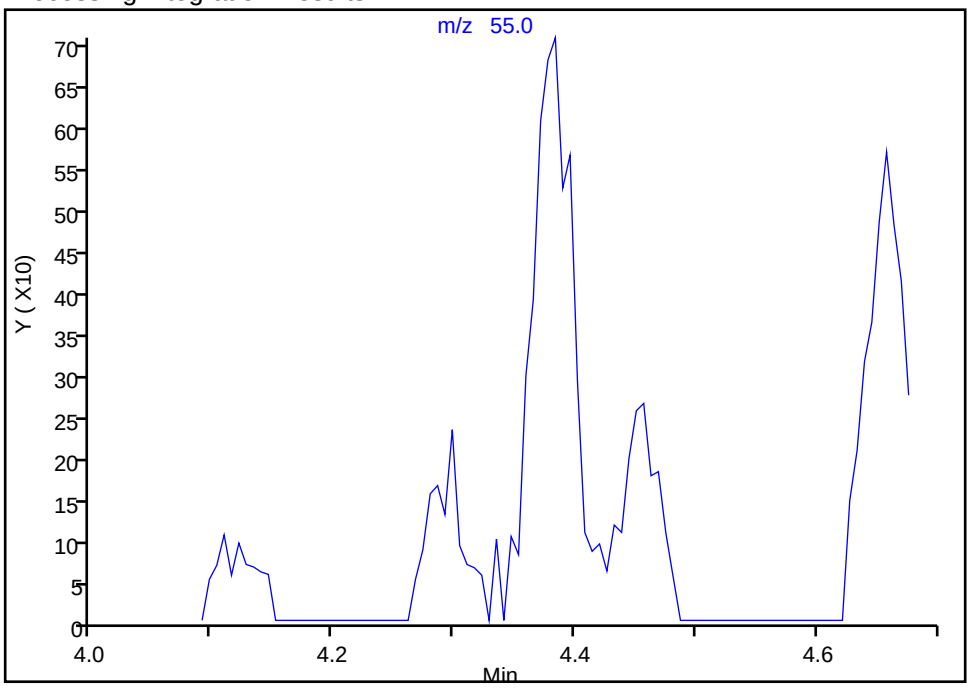
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D
Injection Date: 01-May-2018 23:43:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 44 Methyl acrylate, CAS: 96-33-3

Signal: 1

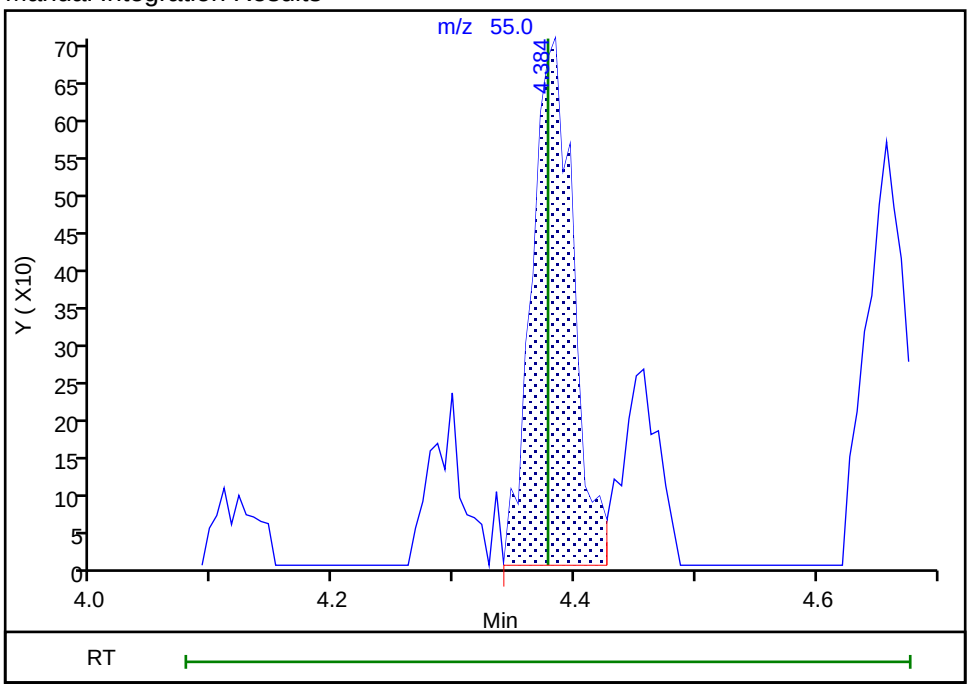
Not Detected
Expected RT: 4.38

Processing Integration Results




Manual Integration Results

RT: 4.38
Area: 1682
Amount: 0.981350
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:10:05
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

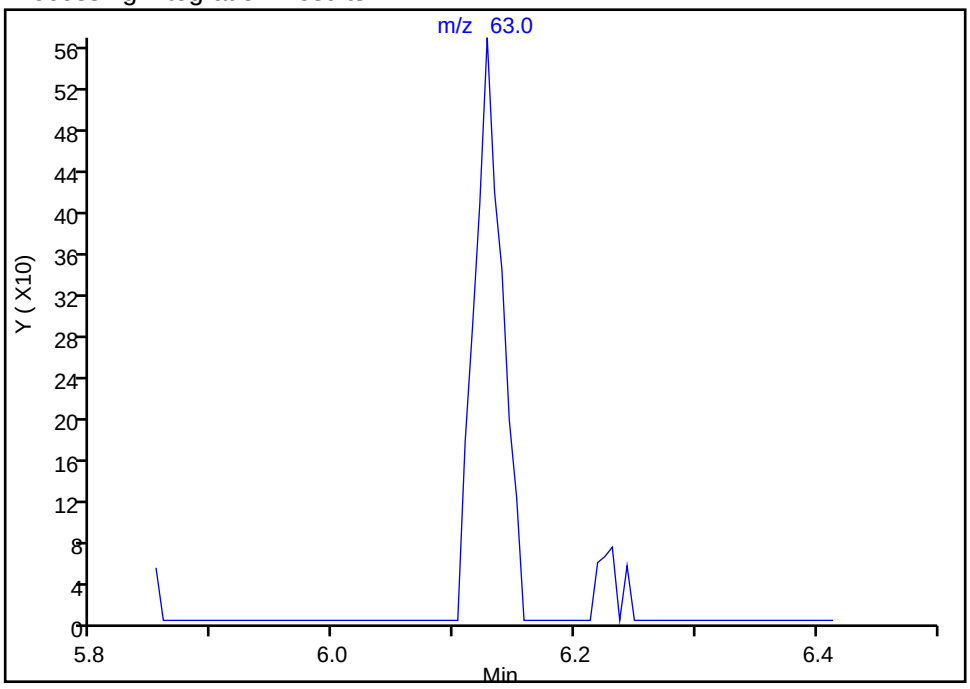
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D | | | | |
| Injection Date: | 01-May-2018 23:43:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD1 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 3 | Worklist Smp#: | 4 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 76 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

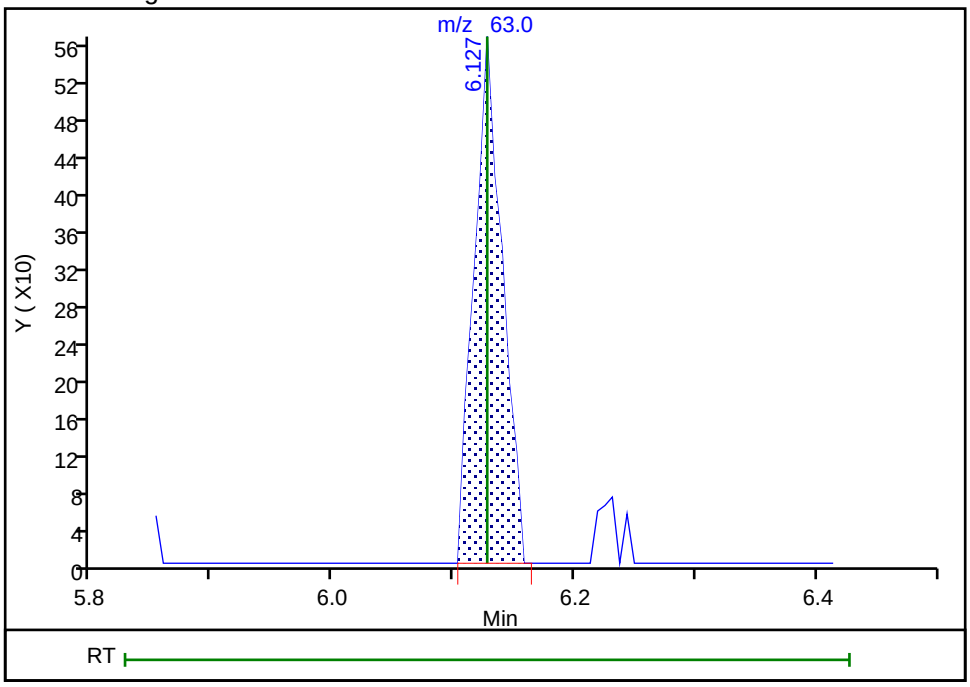
Processing Integration Results

Not Detected
Expected RT: 6.13




Manual Integration Results

RT: 6.13
Area: 913
Amount: 0.812542
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:10:22
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

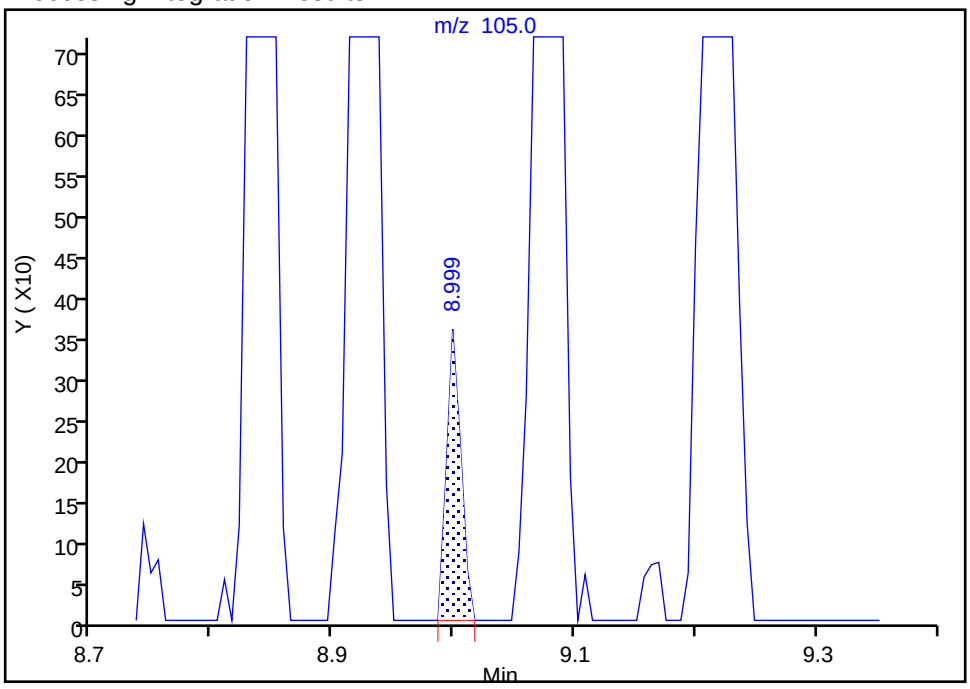
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D
Injection Date: 01-May-2018 23:43:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 136 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

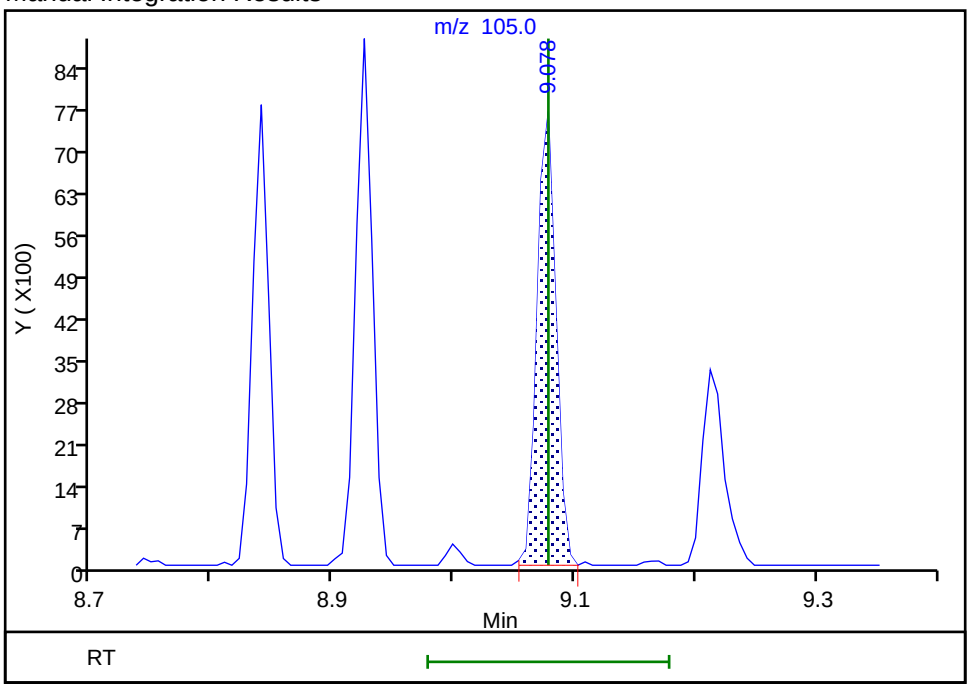
Processing Integration Results

RT: 9.00
Area: 293
Amount: 0.028926
Amount Units: ug/l




Manual Integration Results

RT: 9.08
Area: 8274
Amount: 0.910977
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:10:39
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

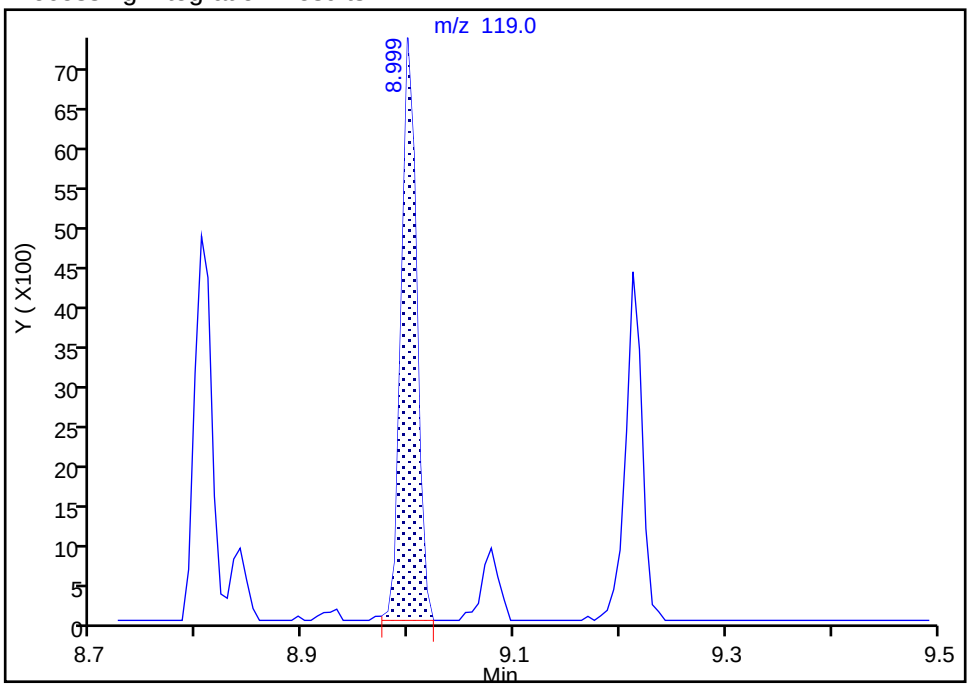
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54974.D
Injection Date: 01-May-2018 23:43:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 123 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

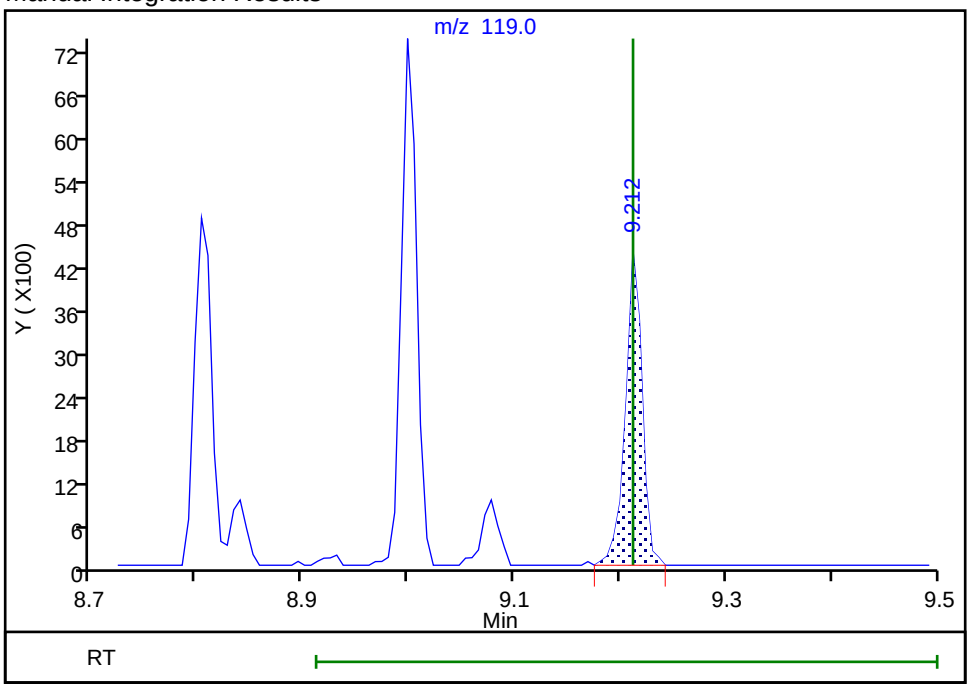
Processing Integration Results

RT: 9.00
Area: 7522
Amount: 1.284005
Amount Units: ug/l




Manual Integration Results

RT: 9.21
Area: 4832
Amount: 0.893178
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:10:49
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54975.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-May-2018 00:08:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0071367-005
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 03-May-2018 11:12:18 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: boykink Date: 02-May-2018 00:32:57

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.543 | 1.531 | 0.012 | 90 | 6281 | 5.00 | 5.45 | |
| 3 Dichlorodifluoromethane | 85 | 1.567 | 1.561 | 0.006 | 98 | 14650 | 5.00 | 4.77 | |
| 4 Chloromethane | 50 | 1.750 | 1.744 | 0.006 | 99 | 20287 | 5.00 | 5.56 | |
| 5 Vinyl chloride | 62 | 1.848 | 1.842 | 0.006 | 97 | 16685 | 5.00 | 5.18 | |
| 6 Butadiene | 39 | 1.842 | 1.842 | 0.000 | 90 | 15728 | 5.00 | 4.90 | |
| 7 Bromomethane | 94 | 2.152 | 2.152 | 0.000 | 97 | 11309 | 5.00 | 5.51 | |
| 8 Chloroethane | 64 | 2.226 | 2.220 | 0.006 | 100 | 10620 | 5.00 | 5.09 | |
| 10 Dichlorofluoromethane | 67 | 2.427 | 2.421 | 0.006 | 90 | 24752 | 5.00 | 5.45 | |
| 11 Pentane | 72 | 2.433 | 2.427 | 0.006 | 97 | 3762 | 10.0 | 10.7 | |
| 9 Trichlorofluoromethane | 101 | 2.439 | 2.433 | 0.006 | 51 | 17230 | 5.00 | 4.90 | |
| 12 Ethanol | 46 | 2.628 | 2.616 | 0.012 | 87 | 2165 | 200.0 | 198.4 | |
| 13 Ethyl ether | 59 | 2.634 | 2.634 | 0.000 | 92 | 9206 | 5.00 | 5.26 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.665 | 2.652 | 0.012 | 98 | 10000 | 5.00 | 5.18 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.732 | 2.738 | -0.006 | 91 | 9080 | 5.00 | 5.43 | |
| 16 Acrolein | 56 | 2.823 | 2.823 | 0.000 | 94 | 7280 | 20.0 | 21.8 | |
| 18 1,1-Dichloroethene | 96 | 2.854 | 2.854 | 0.000 | 95 | 9776 | 5.00 | 5.23 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.860 | 2.860 | 0.000 | 60 | 10720 | 5.00 | 5.54 | |
| 19 Acetone | 58 | 2.957 | 2.951 | 0.006 | 86 | 5311 | 25.0 | 27.8 | |
| 20 Iodomethane | 142 | 3.018 | 3.018 | 0.000 | 99 | 17959 | 5.00 | 5.39 | |
| 21 Carbon disulfide | 76 | 3.049 | 3.043 | 0.006 | 100 | 35226 | 5.00 | 5.20 | |
| 22 Isopropyl alcohol | 45 | 3.055 | 3.049 | 0.006 | 32 | 6933 | 50.0 | 49.5 | |
| 23 3-Chloro-1-propene | 76 | 3.189 | 3.177 | 0.012 | 89 | 6762 | 5.00 | 5.49 | |
| 24 Methyl acetate | 43 | 3.201 | 3.195 | 0.006 | 78 | 19515 | 10.0 | 10.7 | |
| 25 Cyclopentene | 67 | 3.201 | 3.195 | 0.006 | 89 | 26081 | 5.00 | 5.33 | |
| 26 Acetonitrile | 40 | 3.256 | 3.250 | 0.006 | 98 | 11051 | 50.0 | 59.4 | M |
| * 28 TBA-d9 (IS) | 65 | 3.323 | 3.311 | 0.012 | 0 | 156133 | 1000.0 | 1000.0 | |
| 27 Methylene Chloride | 84 | 3.311 | 3.311 | 0.000 | 96 | 12850 | 5.00 | 5.38 | |
| 29 2-Methyl-2-propanol | 59 | 3.390 | 3.384 | 0.006 | 91 | 10757 | 50.0 | 50.5 | |
| 30 Methyl tert-butyl ether | 73 | 3.469 | 3.463 | 0.006 | 98 | 30160 | 5.00 | 5.15 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.494 | 3.488 | 0.006 | 98 | 10858 | 5.00 | 5.18 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.567 | 3.561 | 0.006 | 94 | 46888 | 50.0 | 52.6 | |
| 33 Hexane | 43 | 3.634 | 3.634 | 0.000 | 92 | 10741 | 5.00 | 5.20 | |
| 34 Isopropyl ether | 45 | 3.841 | 3.835 | 0.006 | 97 | 37227 | 5.00 | 5.12 | |
| 35 1,1-Dichloroethane | 63 | 3.866 | 3.859 | 0.007 | 99 | 20826 | 5.00 | 5.17 | |
| 36 Vinyl acetate | 86 | 3.884 | 3.878 | 0.006 | 99 | 2592 | 10.0 | 7.12 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.908 | 3.902 | 0.006 | 93 | 8679 | 5.00 | 4.93 | |
| 38 Tert-butyl ethyl ether | 59 | 4.122 | 4.116 | 0.006 | 89 | 30822 | 5.00 | 5.08 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.286 | 0.006 | 0 | 208231 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.311 | 4.311 | 0.000 | 52 | 3588 | 5.00 | 5.25 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.317 | 4.317 | 0.000 | 92 | 12065 | 5.00 | 5.30 | |
| 43 2-Butanone (MEK) | 72 | 4.335 | 4.335 | 0.000 | 95 | 5337 | 25.0 | 25.0 | |
| 42 Ethyl acetate | 70 | 4.335 | 4.335 | 0.000 | 92 | 1944 | 10.0 | 10.1 | |
| 44 Methyl acrylate | 55 | 4.378 | 4.378 | 0.000 | 98 | 8815 | 5.00 | 5.04 | |
| 45 Propionitrile | 54 | 4.451 | 4.451 | 0.000 | 98 | 15688 | 50.0 | 50.6 | |
| 46 Chlorobromomethane | 128 | 4.512 | 4.506 | 0.006 | 90 | 5642 | 5.00 | 5.21 | |
| 47 Tetrahydrofuran | 72 | 4.506 | 4.512 | -0.006 | 60 | 2410 | 10.0 | 9.34 | |
| 48 Methacrylonitrile | 67 | 4.530 | 4.530 | 0.000 | 95 | 41288 | 50.0 | 49.5 | |
| 49 Chloroform | 83 | 4.554 | 4.548 | 0.006 | 98 | 19440 | 5.00 | 5.17 | |
| 50 Cyclohexane | 56 | 4.664 | 4.658 | 0.006 | 95 | 19323 | 5.00 | 5.13 | |
| 51 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.000 | 73 | 16064 | 5.00 | 5.03 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.676 | 4.676 | 0.000 | 96 | 88241 | 50.0 | 52.5 | |
| 54 Carbon tetrachloride | 117 | 4.762 | 4.768 | -0.006 | 97 | 12924 | 5.00 | 4.84 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 95 | 13811 | 5.00 | 4.81 | |
| 56 Isobutyl alcohol | 43 | 4.908 | 4.902 | 0.006 | 39 | 17638 | 125.0 | 117.7 | a |
| 57 Isooctane | 57 | 4.914 | 4.914 | 0.000 | 98 | 37223 | 5.00 | 4.86 | |
| 58 Benzene | 78 | 4.945 | 4.945 | 0.000 | 97 | 40691 | 5.00 | 4.94 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 106922 | 50.0 | 50.3 | |
| 60 Isopropyl acetate | 43 | 4.987 | 4.981 | 0.006 | 94 | 31486 | 5.00 | 4.79 | |
| 61 Tert-amyl methyl ether | 87 | 4.993 | 4.987 | 0.006 | 97 | 8608 | 5.00 | 4.82 | |
| 62 1,2-Dichloroethane | 62 | 5.012 | 5.012 | 0.000 | 96 | 15367 | 5.00 | 5.06 | |
| 63 n-Heptane | 71 | 5.054 | 5.054 | 0.000 | 94 | 8603 | 5.00 | 4.88 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 308347 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.377 | 5.377 | 0.000 | 96 | 4909 | 125.0 | 104.3 | |
| 66 Trichloroethene | 95 | 5.420 | 5.420 | 0.000 | 98 | 10373 | 5.00 | 5.15 | |
| 67 Ethyl acrylate | 56 | 5.518 | 5.512 | 0.006 | 97 | 7080 | 5.00 | 4.96 | |
| 68 Methylcyclohexane | 83 | 5.524 | 5.518 | 0.006 | 93 | 16971 | 5.00 | 4.90 | |
| 69 1,2-Dichloropropane | 63 | 5.646 | 5.646 | 0.000 | 87 | 10944 | 5.00 | 5.10 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 15153 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.694 | 5.694 | 0.000 | 92 | 4314 | 10.0 | 9.56 | |
| 72 n-Propyl acetate | 43 | 5.731 | 5.731 | 0.000 | 98 | 13597 | 5.00 | 4.74 | |
| 73 1,4-Dioxane | 88 | 5.737 | 5.731 | 0.006 | 27 | 1768 | 100.0 | 110.4 | |
| 74 Dibromomethane | 93 | 5.749 | 5.749 | 0.000 | 95 | 6556 | 5.00 | 4.98 | |
| 75 Dichlorobromomethane | 83 | 5.865 | 5.859 | 0.006 | 99 | 12354 | 5.00 | 4.72 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.127 | 6.127 | 0.000 | 81 | 5373 | 5.00 | 4.68 | |
| 77 2-Nitropropane | 41 | 6.139 | 6.140 | -0.001 | 86 | 4562 | 10.0 | 9.10 | |
| 78 Epichlorohydrin | 57 | 6.231 | 6.231 | 0.000 | 100 | 17703 | 100.0 | 97.2 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.280 | 6.274 | 0.006 | 93 | 13525 | 5.00 | 4.64 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.414 | 6.414 | 0.000 | 99 | 51129 | 25.0 | 23.7 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 98 | 287760 | 50.0 | 50.7 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 93 | 38384 | 5.00 | 4.79 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.804 | 6.804 | 0.000 | 98 | 11115 | 5.00 | 4.42 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 91 | 10369 | 5.00 | 4.58 | |

| 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 | 6.962 | 6.963 | -0.001 | 93 | 7024 | 5.00 | 4.89 | |
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 94 | 9451 | 5.00 | 4.82 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 14037 | 5.00 | 4.93 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 97 | 32171 | 25.0 | 24.2 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 2422 | 5.00 | 5.05 | |
| 90 Chlorodibromomethane | 129 | 7.249 | 7.249 | 0.000 | 98 | 7917 | 5.00 | 4.68 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 99 | 7783 | 5.00 | 4.92 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.658 | -0.001 | 89 | 225241 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 93 | 25351 | 5.00 | 4.92 | |
| 94 Ethylbenzene | 106 | 7.725 | 7.725 | -0.001 | 99 | 13394 | 5.00 | 4.80 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 92 | 9027 | 5.00 | 4.66 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 98 | 16410 | 5.00 | 4.75 | |
| 97 n-Butyl acrylate | 73 | 8.035 | 8.035 | 0.000 | 95 | 6343 | 5.00 | 4.56 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 92 | 16155 | 5.00 | 4.68 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 93 | 27827 | 5.00 | 4.75 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.170 | 8.170 | 0.000 | 89 | 20676 | 5.00 | 4.81 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 95 | 5084 | 5.00 | 4.65 | |
| 102 Isopropylbenzene | 105 | 8.285 | 8.285 | 0.000 | 97 | 45102 | 5.00 | 4.68 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.413 | 8.413 | 0.000 | 93 | 97911 | 50.0 | 52.6 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 97 | 12056 | 5.00 | 4.96 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 98 | 12478 | 5.00 | 4.82 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 99 | 58209 | 5.00 | 4.69 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 95 | 3738 | 5.00 | 5.01 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 71 | 3435 | 5.00 | 4.63 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 97 | 51195 | 5.00 | 4.80 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 96 | 42476 | 5.00 | 4.84 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 92 | 41028 | 5.00 | 4.68 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 99 | 37098 | 5.00 | 4.89 | |
| 112 Butyl Methacrylate | 87 | 8.669 | 8.670 | -0.001 | 94 | 11512 | 5.00 | 4.08 | |
| 114 tert-Butylbenzene | 119 | 8.804 | 8.804 | 0.000 | 93 | 30926 | 5.00 | 4.38 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.840 | 0.000 | 98 | 42536 | 5.00 | 4.72 | |
| 116 sec-Butylbenzene | 105 | 8.925 | 8.926 | -0.001 | 99 | 50785 | 5.00 | 4.66 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 97 | 43181 | 5.00 | 4.57 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 95 | 25610 | 5.00 | 5.00 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.060 | 9.060 | 0.000 | 97 | 148253 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.072 | 9.072 | 0.000 | 92 | 25962 | 5.00 | 4.95 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.078 | 9.078 | 0.000 | 98 | 46510 | 5.00 | 4.83 | |
| 121 Benzyl chloride | 91 | 9.151 | 9.151 | 0.000 | 98 | 16860 | 5.00 | 4.13 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.200 | -0.006 | 93 | 50219 | 5.00 | 4.97 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.212 | 0.000 | 91 | 27407 | 5.00 | 4.78 | |
| 124 n-Butylbenzene | 92 | 9.224 | 9.230 | -0.006 | 98 | 25993 | 5.00 | 4.98 | |
| 125 1,2-Dichlorobenzene | 146 | 9.291 | 9.291 | 0.000 | 94 | 23873 | 5.00 | 4.94 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.681 | 9.688 | -0.007 | 97 | 32014 | 5.00 | 4.26 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.779 | 9.779 | 0.000 | 90 | 1706 | 5.00 | 4.50 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.870 | 9.870 | 0.000 | 96 | 13871 | 5.00 | 4.71 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.328 | 10.328 | 0.000 | 94 | 8496 | 5.00 | 4.34 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.401 | -0.006 | 93 | 5996 | 5.00 | 4.89 | |
| 131 Naphthalene | 128 | 10.541 | 10.541 | 0.000 | 99 | 12956 | 5.00 | 4.33 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.742 | 10.742 | 0.000 | 95 | 5414 | 5.00 | 4.64 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 10.0 | 10.5 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 10.0 | 9.43 | |
| S 135 Total BTEX | 1 | | | | 0 | | 25.0 | 24.0 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| ACROLEIN W_00076 | Amount Added: | 4.00 | Units: uL | |
| GAS Hi_00252 | Amount Added: | 1.00 | Units: uL | |
| MIX 2 Hi_00070 | Amount Added: | 1.00 | Units: uL | |
| Ethanol mix_00015 | Amount Added: | 1.00 | Units: uL | |
| MIX I Hi_00093 | Amount Added: | 1.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |

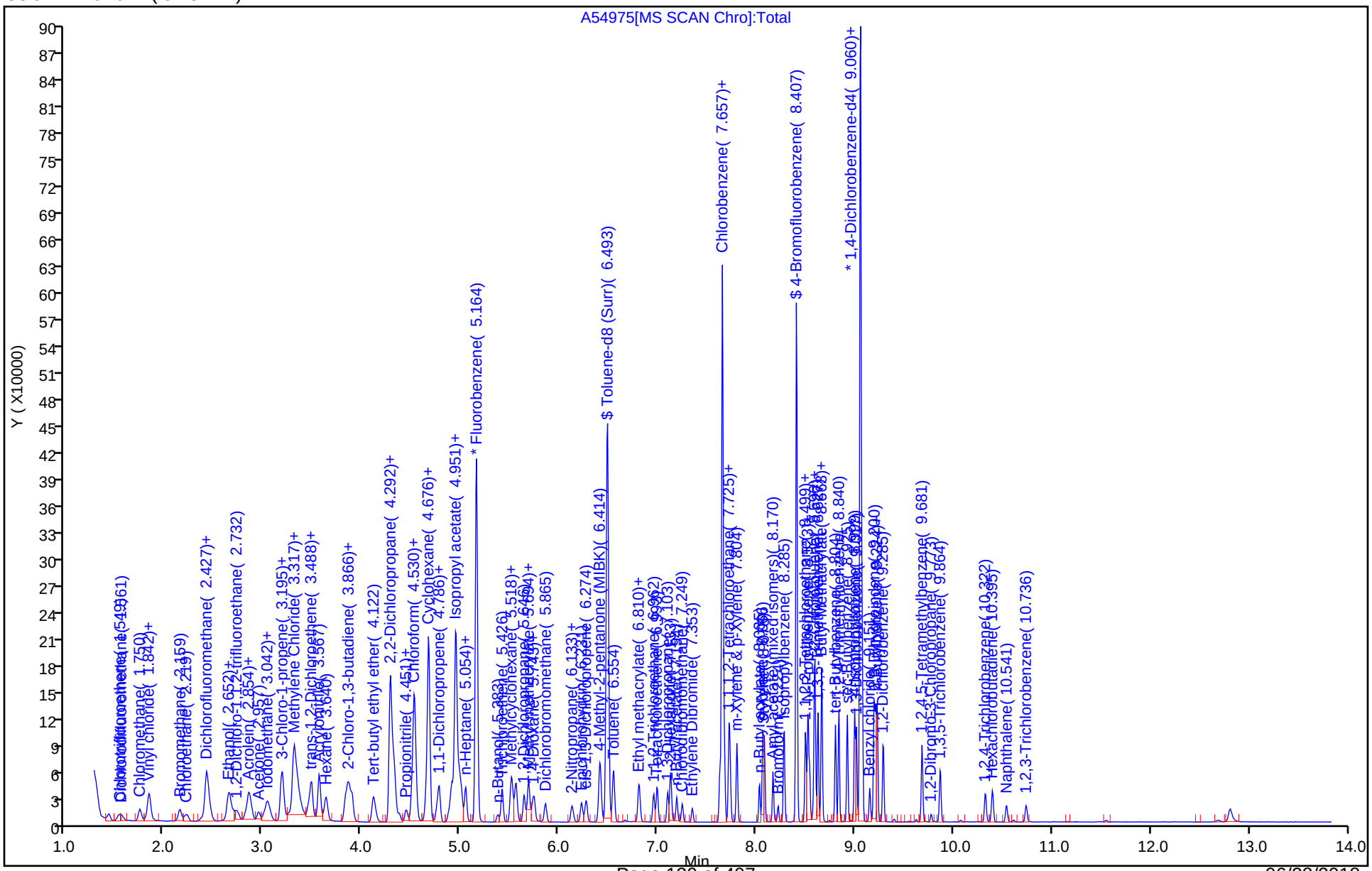
Report Date: 03-May-2018 11:12:25 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54975.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 02-May-2018 00:08:30 | 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#: | 4 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

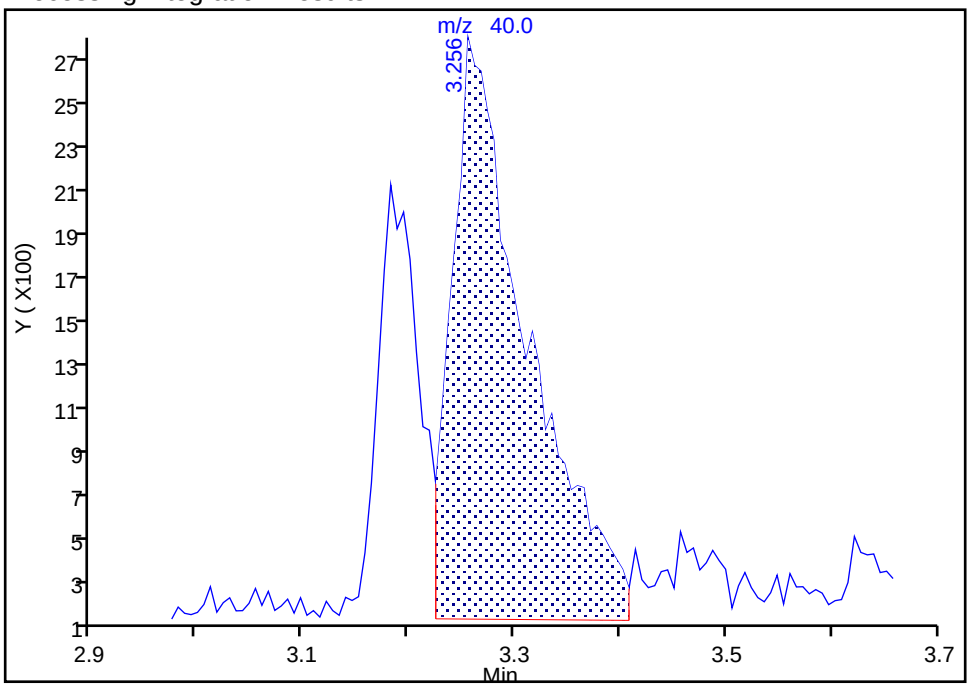
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54975.D | | | | |
| Injection Date: | 02-May-2018 00:08:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD5 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 4 | Worklist Smp#: | 5 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 26 Acetonitrile, CAS: 75-05-8

Signal: 1

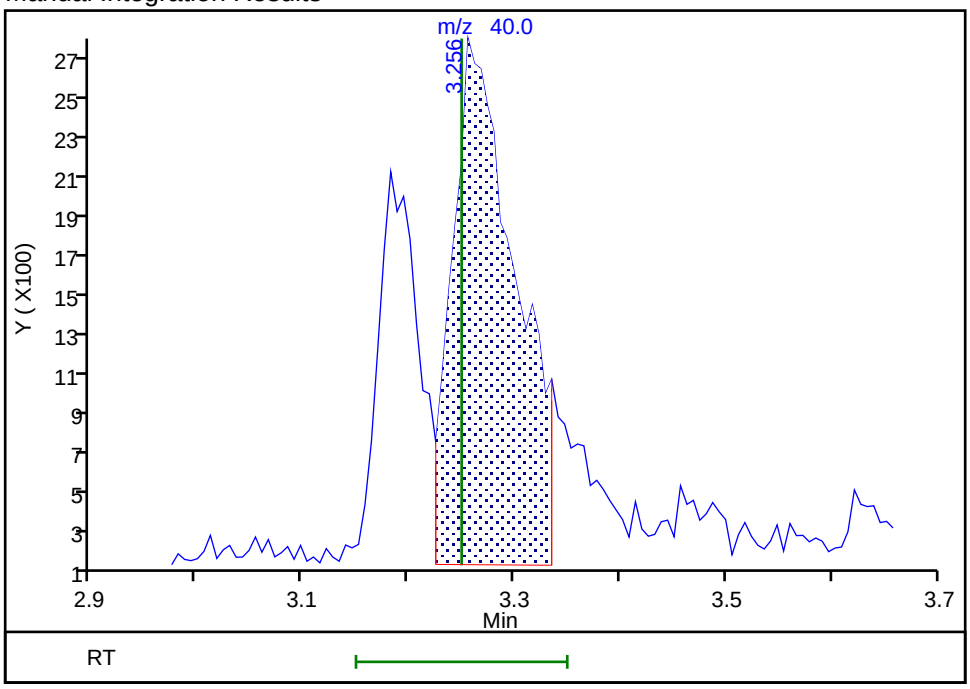
Processing Integration Results

RT: 3.26
Area: 13036
Amount: 58.135842
Amount Units: ug/l




Manual Integration Results

RT: 3.26
Area: 11051
Amount: 59.382209
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:50:38
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

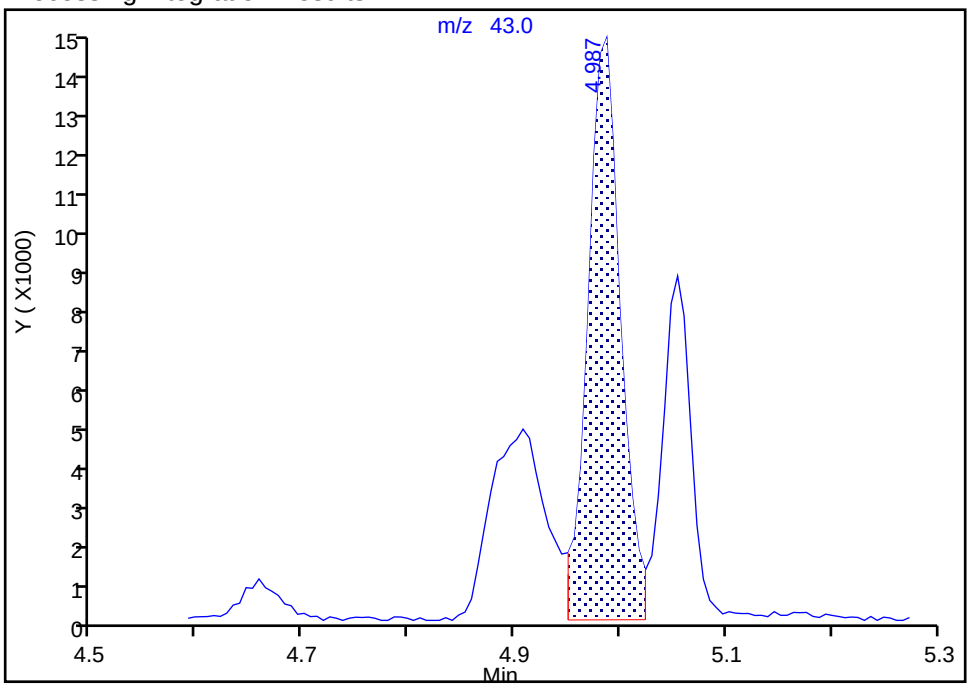
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54975.D | | | | |
| Injection Date: | 02-May-2018 00:08:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD5 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 4 | Worklist Smp#: | 5 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

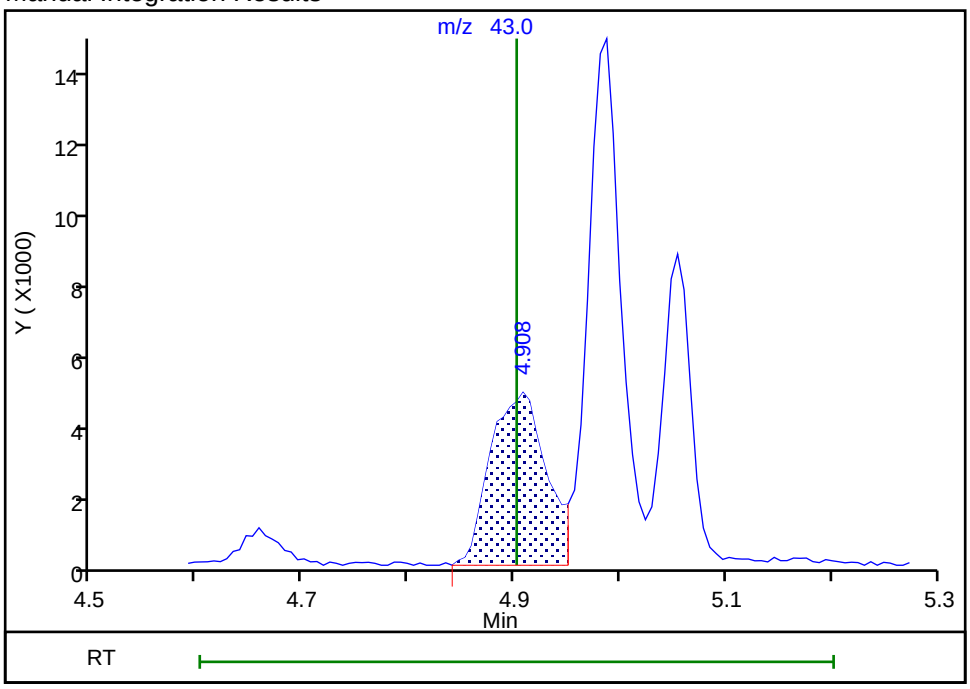
Processing Integration Results

RT: 4.99
Area: 31331
Amount: 327.7146
Amount Units: ug/l




Manual Integration Results

RT: 4.91
Area: 17638
Amount: 117.6778
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:16:57

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54976.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 02-May-2018 00:32:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0071367-006
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 03-May-2018 11:12:37 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: boykink Date: 02-May-2018 01:08:24

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.531 | 1.531 | 0.000 | 89 | 27373 | 20.0 | 22.6 | |
| 3 Dichlorodifluoromethane | 85 | 1.561 | 1.561 | 0.000 | 99 | 70562 | 20.0 | 21.8 | |
| 4 Chloromethane | 50 | 1.744 | 1.744 | 0.000 | 99 | 80698 | 20.0 | 21.0 | |
| 6 Butadiene | 39 | 1.842 | 1.842 | 0.000 | 96 | 70974 | 20.0 | 21.0 | |
| 5 Vinyl chloride | 62 | 1.842 | 1.842 | 0.000 | 97 | 71916 | 20.0 | 21.3 | |
| 7 Bromomethane | 94 | 2.152 | 2.152 | 0.000 | 99 | 46021 | 20.0 | 21.3 | |
| 8 Chloroethane | 64 | 2.220 | 2.220 | 0.000 | 100 | 43885 | 20.0 | 20.0 | |
| 10 Dichlorofluoromethane | 67 | 2.421 | 2.421 | 0.000 | 95 | 100666 | 20.0 | 21.1 | |
| 11 Pentane | 72 | 2.427 | 2.427 | 0.000 | 97 | 15780 | 40.0 | 41.3 | |
| 9 Trichlorofluoromethane | 101 | 2.433 | 2.433 | 0.000 | 97 | 79754 | 20.0 | 21.6 | |
| 12 Ethanol | 46 | 2.616 | 2.616 | 0.000 | 89 | 10173 | 800.0 | 856.6 | a |
| 13 Ethyl ether | 59 | 2.634 | 2.634 | 0.000 | 91 | 37875 | 20.0 | 20.6 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.652 | 2.652 | 0.000 | 98 | 43015 | 20.0 | 21.2 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.738 | 2.738 | 0.000 | 85 | 38279 | 20.0 | 21.8 | |
| 16 Acrolein | 56 | 2.823 | 2.823 | 0.000 | 95 | 14885 | 40.0 | 40.9 | |
| 18 1,1-Dichloroethene | 96 | 2.854 | 2.854 | 0.000 | 94 | 41901 | 20.0 | 21.3 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.860 | 2.860 | 0.000 | 71 | 45364 | 20.0 | 22.3 | |
| 19 Acetone | 58 | 2.951 | 2.951 | 0.000 | 85 | 20945 | 100.0 | 103.5 | |
| 20 Iodomethane | 142 | 3.018 | 3.018 | 0.000 | 99 | 73801 | 20.0 | 21.1 | |
| 21 Carbon disulfide | 76 | 3.043 | 3.043 | 0.000 | 100 | 148060 | 20.0 | 20.8 | |
| 22 Isopropyl alcohol | 45 | 3.049 | 3.049 | 0.000 | 34 | 32021 | 200.0 | 210.3 | |
| 23 3-Chloro-1-propene | 76 | 3.177 | 3.177 | 0.000 | 86 | 26861 | 20.0 | 20.8 | |
| 25 Cyclopentene | 67 | 3.195 | 3.195 | 0.000 | 94 | 107707 | 20.0 | 21.0 | |
| 24 Methyl acetate | 43 | 3.195 | 3.195 | 0.000 | 83 | 79220 | 40.0 | 41.2 | |
| 26 Acetonitrile | 40 | 3.250 | 3.250 | 0.000 | 97 | 43831 | 200.0 | 216.4 | |
| 27 Methylene Chloride | 84 | 3.311 | 3.311 | 0.000 | 98 | 53658 | 20.0 | 21.4 | |
| * 28 TBA-d9 (IS) | 65 | 3.311 | 3.311 | 0.000 | 0 | 169913 | 1000.0 | 1000.0 | |
| 29 2-Methyl-2-propanol | 59 | 3.384 | 3.384 | 0.000 | 98 | 43829 | 200.0 | 188.9 | |
| 30 Methyl tert-butyl ether | 73 | 3.463 | 3.463 | 0.000 | 98 | 128859 | 20.0 | 20.9 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.488 | 3.488 | 0.000 | 99 | 45763 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.561 | 3.561 | 0.000 | 94 | 195874 | 200.0 | 209.1 | |
| 33 Hexane | 43 | 3.634 | 3.634 | 0.000 | 93 | 46343 | 20.0 | 21.4 | |
| 34 Isopropyl ether | 45 | 3.835 | 3.835 | 0.000 | 96 | 158196 | 20.0 | 20.7 | |
| 35 1,1-Dichloroethane | 63 | 3.859 | 3.859 | 0.000 | 99 | 87621 | 20.0 | 20.7 | |
| 36 Vinyl acetate | 86 | 3.878 | 3.878 | 0.000 | 100 | 15911 | 40.0 | 40.2 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.902 | 3.902 | 0.000 | 93 | 38963 | 20.0 | 21.0 | |
| 38 Tert-butyl ethyl ether | 59 | 4.116 | 4.116 | 0.000 | 89 | 132051 | 20.0 | 20.7 | |
| * 39 2-Butanone-d5 | 46 | 4.286 | 4.286 | 0.000 | 0 | 220719 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.311 | 4.311 | 0.000 | 93 | 15340 | 20.0 | 21.4 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.317 | 4.317 | 0.000 | 93 | 49976 | 20.0 | 20.9 | |
| 42 Ethyl acetate | 70 | 4.335 | 4.335 | 0.000 | 93 | 8125 | 40.0 | 39.9 | |
| 43 2-Butanone (MEK) | 72 | 4.335 | 4.335 | 0.000 | 95 | 23183 | 100.0 | 102.5 | |
| 44 Methyl acrylate | 55 | 4.378 | 4.378 | 0.000 | 99 | 34246 | 20.0 | 18.6 | |
| 45 Propionitrile | 54 | 4.451 | 4.451 | 0.000 | 98 | 67502 | 200.0 | 200.1 | |
| 46 Chlorobromomethane | 128 | 4.506 | 4.506 | 0.000 | 94 | 23250 | 20.0 | 20.4 | |
| 47 Tetrahydrofuran | 72 | 4.512 | 4.512 | 0.000 | 59 | 11040 | 40.0 | 40.4 | |
| 48 Methacrylonitrile | 67 | 4.530 | 4.530 | 0.000 | 95 | 178868 | 200.0 | 204.1 | |
| 49 Chloroform | 83 | 4.548 | 4.548 | 0.000 | 97 | 81722 | 20.0 | 20.7 | |
| 50 Cyclohexane | 56 | 4.658 | 4.658 | 0.000 | 95 | 85414 | 20.0 | 21.6 | |
| 51 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.000 | 94 | 68778 | 20.0 | 20.5 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.676 | 4.676 | 0.000 | 96 | 88836 | 50.0 | 50.3 | |
| 54 Carbon tetrachloride | 117 | 4.768 | 4.768 | 0.000 | 97 | 57174 | 20.0 | 20.4 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 95 | 61674 | 20.0 | 20.4 | |
| 56 Isobutyl alcohol | 43 | 4.902 | 4.902 | 0.000 | 92 | 80484 | 500.0 | 493.4 | |
| 57 Isooctane | 57 | 4.914 | 4.914 | 0.000 | 98 | 173049 | 20.0 | 21.5 | |
| 58 Benzene | 78 | 4.945 | 4.945 | 0.000 | 98 | 175683 | 20.0 | 20.1 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 109890 | 50.0 | 49.2 | |
| 60 Isopropyl acetate | 43 | 4.981 | 4.981 | 0.000 | 95 | 137551 | 20.0 | 19.9 | |
| 61 Tert-amyl methyl ether | 87 | 4.987 | 4.987 | 0.000 | 90 | 38060 | 20.0 | 20.3 | |
| 62 1,2-Dichloroethane | 62 | 5.012 | 5.012 | 0.000 | 96 | 63202 | 20.0 | 19.8 | |
| 63 n-Heptane | 71 | 5.054 | 5.054 | 0.000 | 94 | 39306 | 20.0 | 21.2 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 324101 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.377 | 5.377 | 0.000 | 90 | 23071 | 500.0 | 450.6 | |
| 66 Trichloroethene | 95 | 5.420 | 5.420 | 0.000 | 97 | 42681 | 20.0 | 20.2 | |
| 67 Ethyl acrylate | 56 | 5.512 | 5.512 | 0.000 | 98 | 30214 | 20.0 | 20.1 | |
| 68 Methylcyclohexane | 83 | 5.518 | 5.518 | 0.000 | 94 | 78038 | 20.0 | 21.5 | |
| 69 1,2-Dichloropropane | 63 | 5.646 | 5.646 | 0.000 | 93 | 46237 | 20.0 | 20.5 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 16618 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.694 | 5.694 | 0.000 | 92 | 18822 | 40.0 | 39.7 | |
| 73 1,4-Dioxane | 88 | 5.731 | 5.731 | 0.000 | 28 | 7739 | 400.0 | 440.6 | |
| 72 n-Propyl acetate | 43 | 5.731 | 5.731 | 0.000 | 99 | 60081 | 20.0 | 19.9 | |
| 74 Dibromomethane | 93 | 5.749 | 5.749 | 0.000 | 96 | 27747 | 20.0 | 20.1 | |
| 75 Dichlorobromomethane | 83 | 5.859 | 5.859 | 0.000 | 99 | 55870 | 20.0 | 20.3 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.127 | 6.127 | 0.000 | 97 | 25072 | 20.0 | 20.8 | |
| 77 2-Nitropropane | 41 | 6.140 | 6.140 | 0.000 | 98 | 19341 | 40.0 | 36.7 | |
| 78 Epichlorohydrin | 57 | 6.231 | 6.231 | 0.000 | 99 | 81086 | 400.0 | 420.2 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.274 | 6.274 | 0.000 | 95 | 61253 | 20.0 | 19.9 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.414 | 6.414 | 0.000 | 99 | 232543 | 100.0 | 101.9 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 98 | 305124 | 50.0 | 50.7 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 93 | 169614 | 20.0 | 20.0 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.804 | 6.804 | 0.000 | 95 | 53537 | 20.0 | 20.1 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 88 | 48487 | 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 | 6.963 | 6.963 | 0.000 | 95 | 31153 | 20.0 | 20.5 | |
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 96 | 41312 | 20.0 | 19.9 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 60821 | 20.0 | 20.2 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 97 | 147439 | 100.0 | 104.7 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 10144 | 20.0 | 20.0 | |
| 90 Chlorodibromomethane | 129 | 7.249 | 7.249 | 0.000 | 98 | 34545 | 20.0 | 19.3 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 99 | 33588 | 20.0 | 20.0 | |
| * 92 Chlorobenzene-d5 | 117 | 7.658 | 7.658 | 0.000 | 89 | 238600 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 93 | 111437 | 20.0 | 20.4 | |
| 94 Ethylbenzene | 106 | 7.725 | 7.725 | 0.000 | 99 | 59694 | 20.0 | 20.2 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 93 | 40335 | 20.0 | 19.6 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 98 | 75731 | 20.0 | 20.7 | |
| 97 n-Butyl acrylate | 73 | 8.035 | 8.035 | 0.000 | 96 | 30183 | 20.0 | 20.5 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 93 | 77062 | 20.0 | 21.1 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 92 | 131371 | 20.0 | 21.2 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.170 | 8.170 | 0.000 | 90 | 93261 | 20.0 | 20.3 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 96 | 22869 | 20.0 | 19.7 | |
| 102 Isopropylbenzene | 105 | 8.285 | 8.285 | 0.000 | 96 | 210906 | 20.0 | 20.7 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.413 | 8.413 | 0.000 | 93 | 103795 | 50.0 | 52.6 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 96 | 53563 | 20.0 | 20.6 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 98 | 55544 | 20.0 | 20.1 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 98 | 270139 | 20.0 | 20.4 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 77 | 15945 | 20.0 | 20.1 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 97 | 16022 | 20.0 | 20.1 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 98 | 233781 | 20.0 | 20.5 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 97 | 193129 | 20.0 | 20.6 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 92 | 193643 | 20.0 | 20.7 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 99 | 167587 | 20.0 | 20.7 | |
| 112 Butyl Methacrylate | 87 | 8.670 | 8.670 | 0.000 | 94 | 60082 | 20.0 | 19.9 | |
| 114 tert-Butylbenzene | 119 | 8.804 | 8.804 | 0.000 | 93 | 150269 | 20.0 | 19.9 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.840 | 0.000 | 98 | 198186 | 20.0 | 20.6 | |
| 116 sec-Butylbenzene | 105 | 8.926 | 8.926 | 0.000 | 99 | 238316 | 20.0 | 20.5 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 97 | 207575 | 20.0 | 20.6 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 95 | 111359 | 20.0 | 20.3 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.060 | 9.060 | 0.000 | 96 | 158447 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.072 | 9.072 | 0.000 | 93 | 114565 | 20.0 | 20.4 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.078 | 9.078 | 0.000 | 99 | 213272 | 20.0 | 20.7 | |
| 121 Benzyl chloride | 91 | 9.151 | 9.151 | 0.000 | 98 | 81259 | 20.0 | 18.6 | |
| 122 2,3-Dihydroindene | 117 | 9.200 | 9.200 | 0.000 | 93 | 224288 | 20.0 | 20.8 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.212 | 0.000 | 93 | 129008 | 20.0 | 21.0 | |
| 124 n-Butylbenzene | 92 | 9.230 | 9.230 | 0.000 | 97 | 119271 | 20.0 | 21.4 | |
| 125 1,2-Dichlorobenzene | 146 | 9.291 | 9.291 | 0.000 | 94 | 105360 | 20.0 | 20.4 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.688 | 9.688 | 0.000 | 97 | 160552 | 20.0 | 20.0 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.779 | 9.779 | 0.000 | 93 | 6950 | 20.0 | 17.2 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.870 | 9.870 | 0.000 | 96 | 63441 | 20.0 | 20.2 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.328 | 10.328 | 0.000 | 92 | 40389 | 20.0 | 19.3 | |
| 130 Hexachlorobutadiene | 225 | 10.401 | 10.401 | 0.000 | 94 | 27027 | 20.0 | 20.6 | |
| 131 Naphthalene | 128 | 10.541 | 10.541 | 0.000 | 98 | 65137 | 20.0 | 18.7 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.742 | 10.742 | 0.000 | 94 | 25646 | 20.0 | 19.4 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 41.7 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 40.0 | 41.8 | |
| S 135 Total BTEX | 1 | | | | 0 | | 100.0 | 102.1 | |

## QC Flag Legend

Review Flags

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| ACROLEIN W_00076 | Amount Added: | 4.00 | Units: uL | |
| GAS Hi_00252 | Amount Added: | 2.00 | Units: uL | |
| MIX 2 Hi_00070 | Amount Added: | 2.00 | Units: uL | |
| Ethanol mix_00015 | Amount Added: | 2.00 | Units: uL | |
| MIX I Hi_00093 | Amount Added: | 2.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |

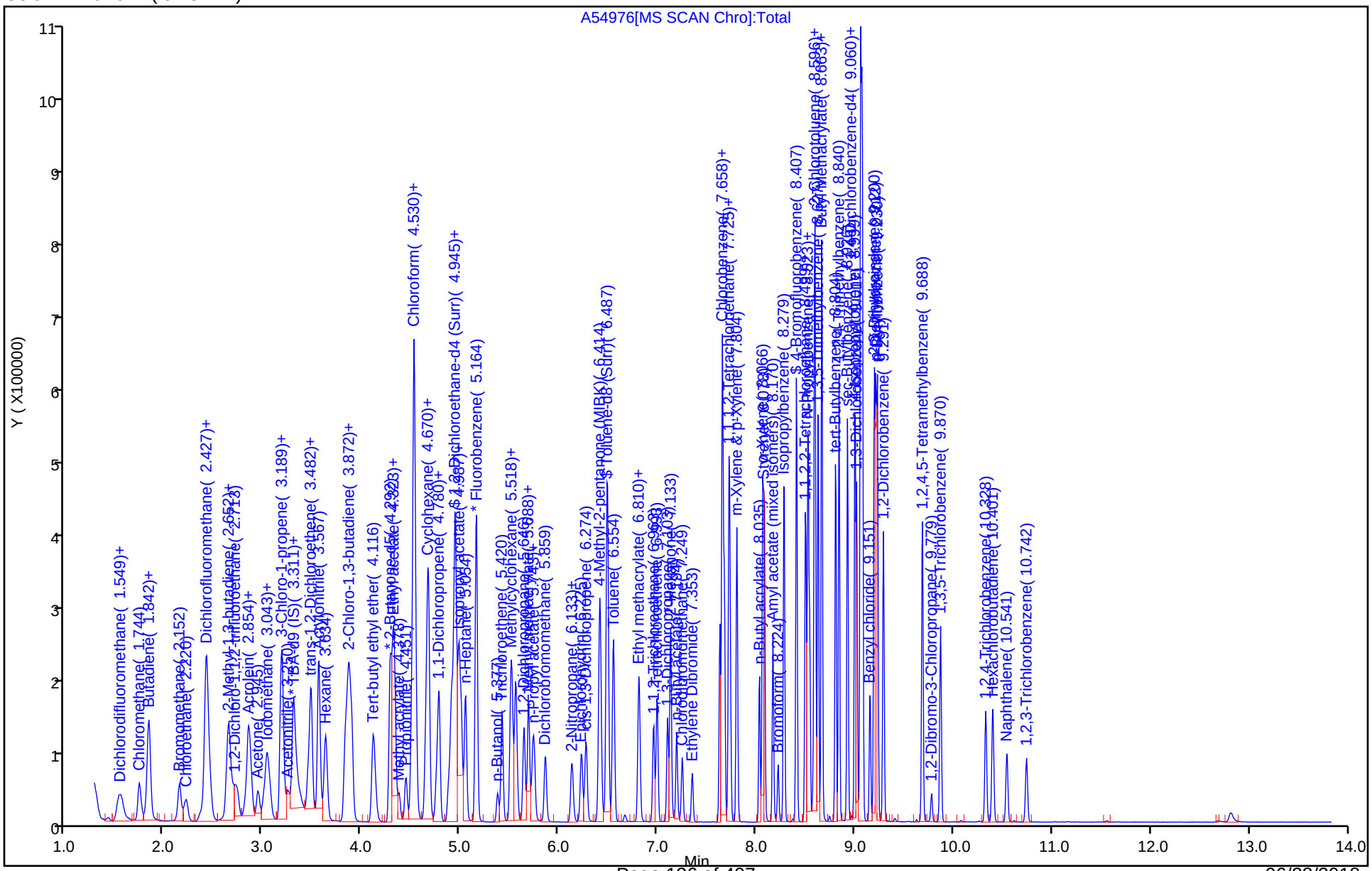
Report Date: 03-May-2018 11:12:44 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54976.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 02-May-2018 00:32:30 | 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#: | 5 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

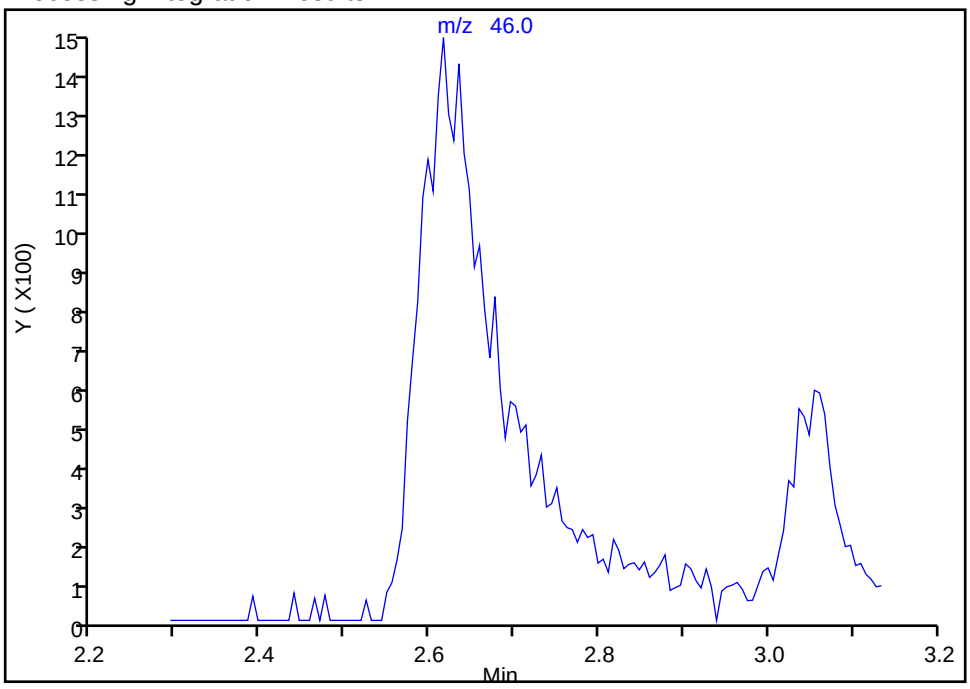
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54976.D
Injection Date: 02-May-2018 00:32:30 Instrument ID: CVOAMS1
Lims ID: STD20
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 12 Ethanol, CAS: 64-17-5

Signal: 1

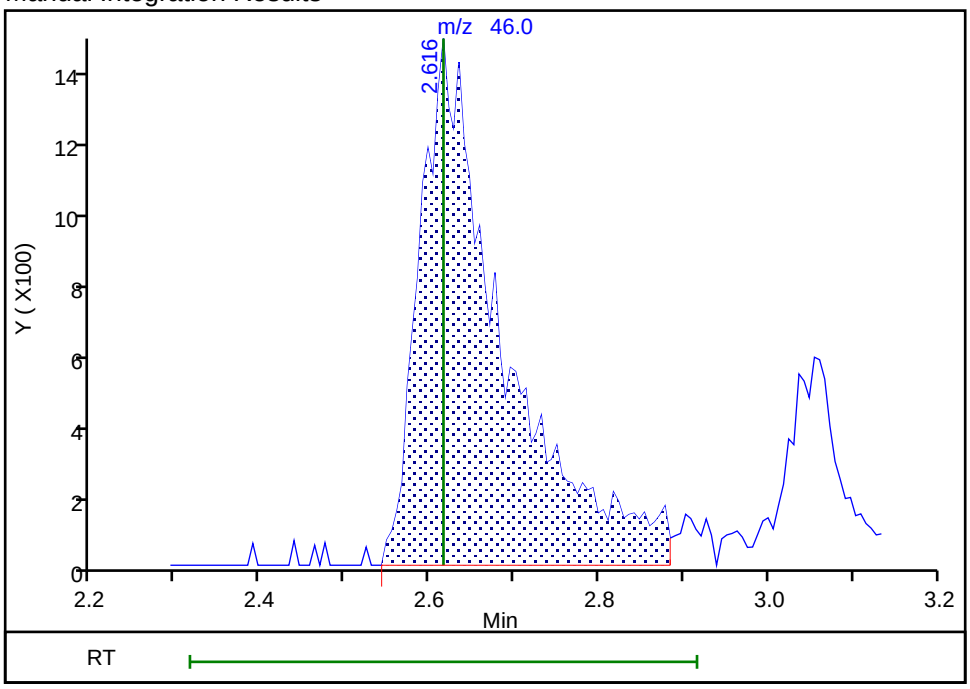
Not Detected
Expected RT: 2.62

Processing Integration Results




Manual Integration Results

RT: 2.62
Area: 10173
Amount: 856.5844
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 09:52:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54977.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-May-2018 00:57:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0071367-007
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 03-May-2018 11:12:56 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: boykink Date: 02-May-2018 01:27:01

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.537 | 1.531 | 0.006 | 89 | 64250 | 50.0 | 50.2 | |
| 3 Dichlorodifluoromethane | 85 | 1.573 | 1.561 | 0.012 | 99 | 175754 | 50.0 | 51.5 | |
| 4 Chloromethane | 50 | 1.750 | 1.744 | 0.006 | 99 | 204879 | 50.0 | 50.5 | |
| 5 Vinyl chloride | 62 | 1.848 | 1.842 | 0.006 | 98 | 183717 | 50.0 | 51.4 | |
| 6 Butadiene | 39 | 1.848 | 1.842 | 0.006 | 96 | 182979 | 50.0 | 51.3 | |
| 7 Bromomethane | 94 | 2.158 | 2.152 | 0.006 | 99 | 114853 | 50.0 | 50.4 | |
| 8 Chloroethane | 64 | 2.226 | 2.220 | 0.006 | 100 | 106827 | 50.0 | 46.1 | |
| 10 Dichlorofluoromethane | 67 | 2.433 | 2.421 | 0.012 | 99 | 253703 | 50.0 | 50.3 | |
| 11 Pentane | 72 | 2.427 | 2.427 | 0.000 | 96 | 38317 | 100.0 | 96.5 | |
| 9 Trichlorofluoromethane | 101 | 2.439 | 2.433 | 0.006 | 98 | 200273 | 50.0 | 51.3 | |
| 12 Ethanol | 46 | 2.628 | 2.616 | 0.012 | 87 | 26397 | 2000.0 | 2138.5 | |
| 13 Ethyl ether | 59 | 2.640 | 2.634 | 0.006 | 93 | 98156 | 50.0 | 50.5 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.658 | 2.652 | 0.006 | 97 | 111394 | 50.0 | 51.9 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.732 | 2.738 | -0.006 | 97 | 94771 | 50.0 | 51.1 | |
| 16 Acrolein | 56 | 2.829 | 2.823 | 0.006 | 96 | 39204 | 100.0 | 103.6 | |
| 18 1,1-Dichloroethene | 96 | 2.860 | 2.854 | 0.006 | 94 | 104209 | 50.0 | 50.2 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.860 | 2.860 | 0.000 | 95 | 108706 | 50.0 | 50.6 | |
| 19 Acetone | 58 | 2.951 | 2.951 | 0.000 | 85 | 55088 | 250.0 | 255.8 | |
| 20 Iodomethane | 142 | 3.024 | 3.018 | 0.006 | 99 | 187668 | 50.0 | 50.7 | |
| 21 Carbon disulfide | 76 | 3.055 | 3.043 | 0.012 | 100 | 374700 | 50.0 | 49.8 | |
| 22 Isopropyl alcohol | 45 | 3.055 | 3.049 | 0.006 | 35 | 76017 | 500.0 | 480.3 | |
| 23 3-Chloro-1-propene | 76 | 3.183 | 3.177 | 0.006 | 86 | 62807 | 50.0 | 45.9 | |
| 24 Methyl acetate | 43 | 3.201 | 3.195 | 0.006 | 91 | 206459 | 100.0 | 101.5 | |
| 25 Cyclopentene | 67 | 3.201 | 3.195 | 0.006 | 94 | 271026 | 50.0 | 49.9 | |
| 26 Acetonitrile | 40 | 3.262 | 3.250 | 0.012 | 97 | 107172 | 500.0 | 509.1 | |
| * 28 TBA-d9 (IS) | 65 | 3.323 | 3.311 | 0.012 | 0 | 176605 | 1000.0 | 1000.0 | |
| 27 Methylene Chloride | 84 | 3.317 | 3.311 | 0.006 | 98 | 134057 | 50.0 | 50.5 | |
| 29 2-Methyl-2-propanol | 59 | 3.390 | 3.384 | 0.006 | 98 | 110846 | 500.0 | 459.7 | M |
| 30 Methyl tert-butyl ether | 73 | 3.475 | 3.463 | 0.012 | 98 | 336548 | 50.0 | 51.7 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.494 | 3.488 | 0.006 | 98 | 118435 | 50.0 | 50.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.567 | 3.561 | 0.006 | 93 | 508909 | 500.0 | 514.1 | |
| 33 Hexane | 43 | 3.634 | 3.634 | 0.000 | 94 | 111550 | 50.0 | 48.6 | |
| 34 Isopropyl ether | 45 | 3.841 | 3.835 | 0.006 | 96 | 414212 | 50.0 | 51.3 | |
| 35 1,1-Dichloroethane | 63 | 3.865 | 3.859 | 0.006 | 99 | 226296 | 50.0 | 50.6 | |
| 36 Vinyl acetate | 86 | 3.884 | 3.878 | 0.006 | 100 | 44055 | 100.0 | 107.0 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.902 | 3.902 | 0.000 | 92 | 102933 | 50.0 | 52.6 | |
| 38 Tert-butyl ethyl ether | 59 | 4.122 | 4.116 | 0.006 | 89 | 354170 | 50.0 | 52.6 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.286 | 0.006 | 0 | 234943 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.317 | 4.311 | 0.006 | 89 | 38891 | 50.0 | 51.3 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.323 | 4.317 | 0.006 | 95 | 128568 | 50.0 | 50.9 | |
| 43 2-Butanone (MEK) | 72 | 4.341 | 4.335 | 0.006 | 95 | 61661 | 250.0 | 256.2 | |
| 42 Ethyl acetate | 70 | 4.341 | 4.335 | 0.006 | 96 | 22024 | 100.0 | 101.6 | |
| 44 Methyl acrylate | 55 | 4.384 | 4.378 | 0.006 | 99 | 99836 | 50.0 | 51.3 | |
| 45 Propionitrile | 54 | 4.451 | 4.451 | 0.000 | 98 | 177412 | 500.0 | 506.0 | |
| 46 Chlorobromomethane | 128 | 4.512 | 4.506 | 0.006 | 90 | 60231 | 50.0 | 50.1 | |
| 47 Tetrahydrofuran | 72 | 4.512 | 4.512 | 0.000 | 61 | 29551 | 100.0 | 101.5 | |
| 48 Methacrylonitrile | 67 | 4.536 | 4.530 | 0.006 | 95 | 483458 | 500.0 | 522.1 | |
| 49 Chloroform | 83 | 4.554 | 4.548 | 0.006 | 98 | 208792 | 50.0 | 50.0 | |
| 50 Cyclohexane | 56 | 4.664 | 4.658 | 0.006 | 95 | 215220 | 50.0 | 51.5 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.670 | 0.006 | 99 | 180312 | 50.0 | 50.8 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.682 | 4.676 | 0.006 | 97 | 96760 | 50.0 | 51.8 | |
| 54 Carbon tetrachloride | 117 | 4.768 | 4.768 | 0.000 | 97 | 149960 | 50.0 | 50.5 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 95 | 162005 | 50.0 | 50.8 | |
| 56 Isobutyl alcohol | 43 | 4.890 | 4.902 | -0.012 | 96 | 213464 | 1250.0 | 1259.1 | |
| 57 Isooctane | 57 | 4.920 | 4.914 | 0.006 | 98 | 444078 | 50.0 | 52.2 | |
| 58 Benzene | 78 | 4.945 | 4.945 | -0.001 | 98 | 459031 | 50.0 | 49.3 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 121057 | 50.0 | 51.3 | |
| 60 Isopropyl acetate | 43 | 4.987 | 4.981 | 0.006 | 96 | 375222 | 50.0 | 51.3 | |
| 61 Tert-amyl methyl ether | 87 | 4.987 | 4.987 | 0.000 | 93 | 104336 | 50.0 | 52.5 | |
| 62 1,2-Dichloroethane | 62 | 5.012 | 5.012 | 0.000 | 96 | 167449 | 50.0 | 49.7 | |
| 63 n-Heptane | 71 | 5.054 | 5.054 | 0.000 | 94 | 98163 | 50.0 | 50.2 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 342508 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.377 | 5.377 | 0.000 | 93 | 67023 | 1250.0 | 1259.5 | |
| 66 Trichloroethene | 95 | 5.426 | 5.420 | 0.006 | 97 | 113183 | 50.0 | 50.6 | |
| 67 Ethyl acrylate | 56 | 5.518 | 5.512 | 0.006 | 98 | 77943 | 50.0 | 49.2 | |
| 68 Methylcyclohexane | 83 | 5.524 | 5.518 | 0.006 | 93 | 197409 | 50.0 | 51.4 | |
| 69 1,2-Dichloropropane | 63 | 5.646 | 5.646 | 0.000 | 93 | 122288 | 50.0 | 51.3 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 17274 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.694 | 5.694 | 0.000 | 92 | 52616 | 100.0 | 104.9 | |
| 72 n-Propyl acetate | 43 | 5.731 | 5.731 | 0.000 | 99 | 165134 | 50.0 | 51.9 | |
| 73 1,4-Dioxane | 88 | 5.731 | 5.731 | 0.000 | 28 | 20924 | 1000.0 | 1146.0 | |
| 74 Dibromomethane | 93 | 5.749 | 5.749 | 0.000 | 97 | 75002 | 50.0 | 51.3 | |
| 75 Dichlorobromomethane | 83 | 5.865 | 5.859 | 0.006 | 99 | 147679 | 50.0 | 50.8 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.127 | 6.127 | 0.000 | 97 | 69281 | 50.0 | 54.3 | |
| 77 2-Nitropropane | 41 | 6.139 | 6.140 | -0.001 | 98 | 52698 | 100.0 | 94.6 | |
| 78 Epichlorohydrin | 57 | 6.231 | 6.231 | 0.000 | 99 | 225541 | 1000.0 | 1097.9 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.274 | 6.274 | 0.000 | 94 | 170430 | 50.0 | 51.8 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.414 | 6.414 | 0.000 | 98 | 640057 | 250.0 | 263.5 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 98 | 330026 | 50.0 | 51.5 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 93 | 455210 | 50.0 | 50.3 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.810 | 6.804 | 0.006 | 98 | 150049 | 50.0 | 52.8 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 92 | 135953 | 50.0 | 54.1 | |

| 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 | 6.962 | 6.963 | -0.001 | 95 | 80733 | 50.0 | 49.8 | |
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 95 | 108585 | 50.0 | 49.1 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 163762 | 50.0 | 51.0 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 97 | 400057 | 250.0 | 267.0 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 27931 | 50.0 | 51.6 | |
| 90 Chlorodibromomethane | 129 | 7.249 | 7.249 | 0.000 | 98 | 96327 | 50.0 | 50.5 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 98 | 92414 | 50.0 | 51.8 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.658 | -0.001 | 87 | 254225 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 92 | 292231 | 50.0 | 50.3 | |
| 94 Ethylbenzene | 106 | 7.724 | 7.725 | -0.001 | 99 | 161202 | 50.0 | 51.2 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 93 | 110645 | 50.0 | 50.6 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 98 | 201035 | 50.0 | 51.5 | |
| 97 n-Butyl acrylate | 73 | 8.035 | 8.035 | 0.000 | 96 | 85704 | 50.0 | 54.6 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 93 | 206889 | 50.0 | 53.1 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 93 | 355007 | 50.0 | 53.7 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.169 | 8.170 | -0.001 | 89 | 258410 | 50.0 | 53.4 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 96 | 63085 | 50.0 | 51.1 | |
| 102 Isopropylbenzene | 105 | 8.285 | 8.285 | 0.000 | 96 | 566870 | 50.0 | 52.2 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.407 | 8.413 | -0.006 | 87 | 112175 | 50.0 | 53.3 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 97 | 137485 | 50.0 | 50.3 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 98 | 147585 | 50.0 | 50.6 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 98 | 718735 | 50.0 | 51.4 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 96 | 42870 | 50.0 | 51.1 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 71 | 43097 | 50.0 | 51.6 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 98 | 635059 | 50.0 | 52.9 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 96 | 501818 | 50.0 | 50.8 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 92 | 512204 | 50.0 | 51.9 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 99 | 445392 | 50.0 | 52.1 | |
| 112 Butyl Methacrylate | 87 | 8.663 | 8.670 | -0.007 | 91 | 176109 | 50.0 | 55.4 | |
| 114 tert-Butylbenzene | 119 | 8.804 | 8.804 | 0.000 | 93 | 416270 | 50.0 | 52.4 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.840 | 0.000 | 98 | 531408 | 50.0 | 52.4 | |
| 116 sec-Butylbenzene | 105 | 8.925 | 8.926 | -0.001 | 99 | 645431 | 50.0 | 52.6 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 98 | 563134 | 50.0 | 52.9 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 95 | 292270 | 50.0 | 50.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.053 | 9.060 | -0.007 | 95 | 166934 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.072 | 9.072 | 0.000 | 92 | 301944 | 50.0 | 51.1 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.078 | 9.078 | 0.000 | 99 | 570191 | 50.0 | 52.6 | |
| 121 Benzyl chloride | 91 | 9.151 | 9.151 | 0.000 | 98 | 241172 | 50.0 | 52.5 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.200 | -0.006 | 94 | 595899 | 50.0 | 52.4 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.212 | 0.000 | 91 | 348513 | 50.0 | 53.9 | |
| 124 n-Butylbenzene | 92 | 9.224 | 9.230 | -0.006 | 97 | 310811 | 50.0 | 52.8 | |
| 125 1,2-Dichlorobenzene | 146 | 9.291 | 9.291 | 0.000 | 95 | 281814 | 50.0 | 51.7 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.681 | 9.688 | -0.007 | 98 | 447232 | 50.0 | 52.9 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.773 | 9.779 | -0.006 | 95 | 19457 | 50.0 | 45.6 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.864 | 9.870 | -0.006 | 96 | 169329 | 50.0 | 51.1 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.328 | 10.328 | 0.000 | 94 | 111777 | 50.0 | 50.7 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.401 | -0.006 | 93 | 69984 | 50.0 | 50.7 | |
| 131 Naphthalene | 128 | 10.541 | 10.541 | 0.000 | 99 | 204479 | 50.0 | 52.5 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.736 | 10.742 | -0.006 | 94 | 73399 | 50.0 | 50.9 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 100.0 | 101.7 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 100.0 | 104.6 | |
| S 135 Total BTEX | 1 | | | | 0 | | 250.0 | 255.5 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00252 | Amount Added: | 5.00 | Units: uL | |
| MIX I Hi_00093 | Amount Added: | 5.00 | Units: uL | |
| MIX 2 Hi_00070 | Amount Added: | 5.00 | Units: uL | |
| ACROLEIN W_00076 | Amount Added: | 10.00 | Units: uL | |
| Ethanol mix_00015 | Amount Added: | 5.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |

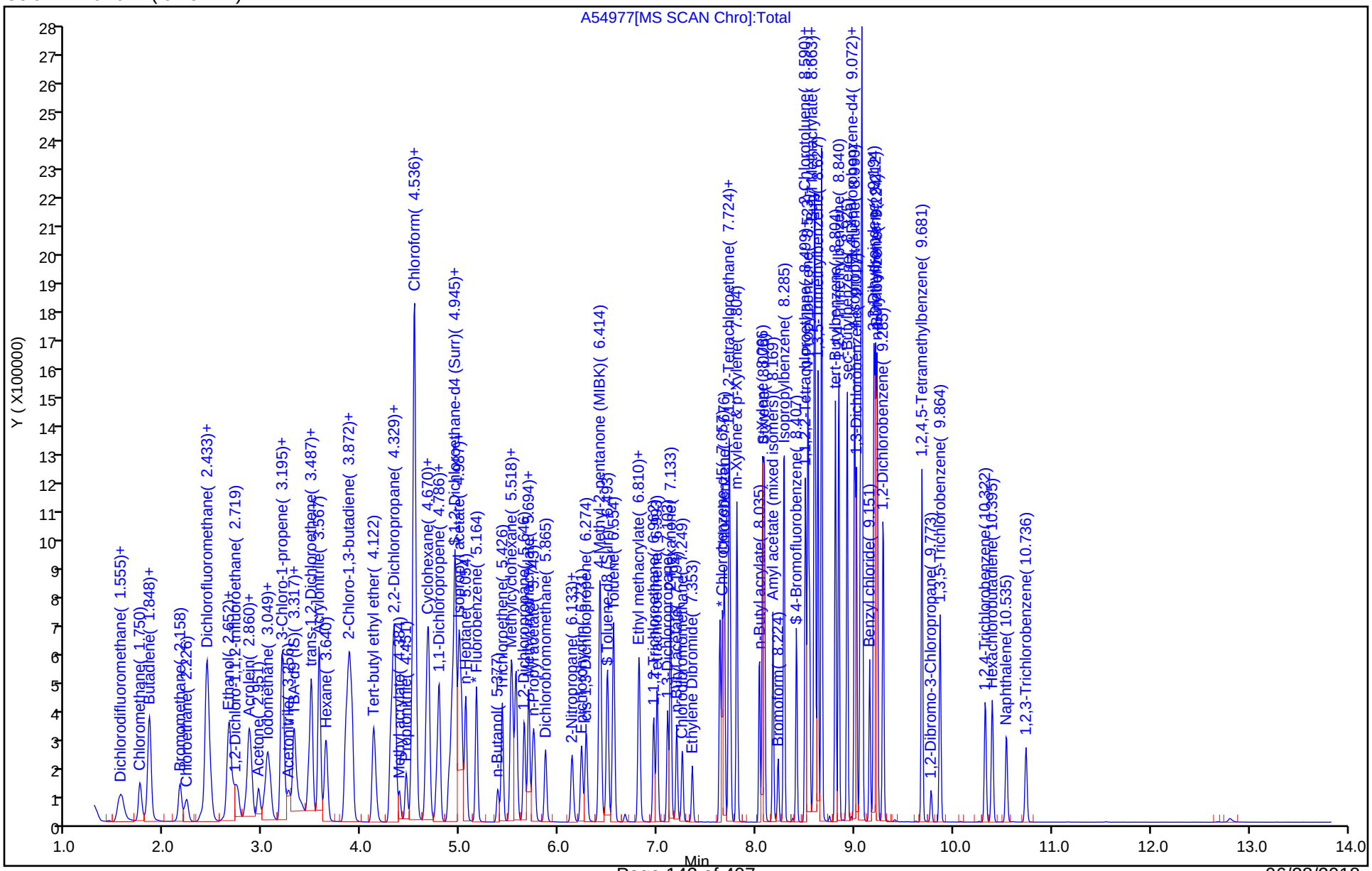
Report Date: 03-May-2018 11:12:59 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54977.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 02-May-2018 00:57:30 | 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#: | 6 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

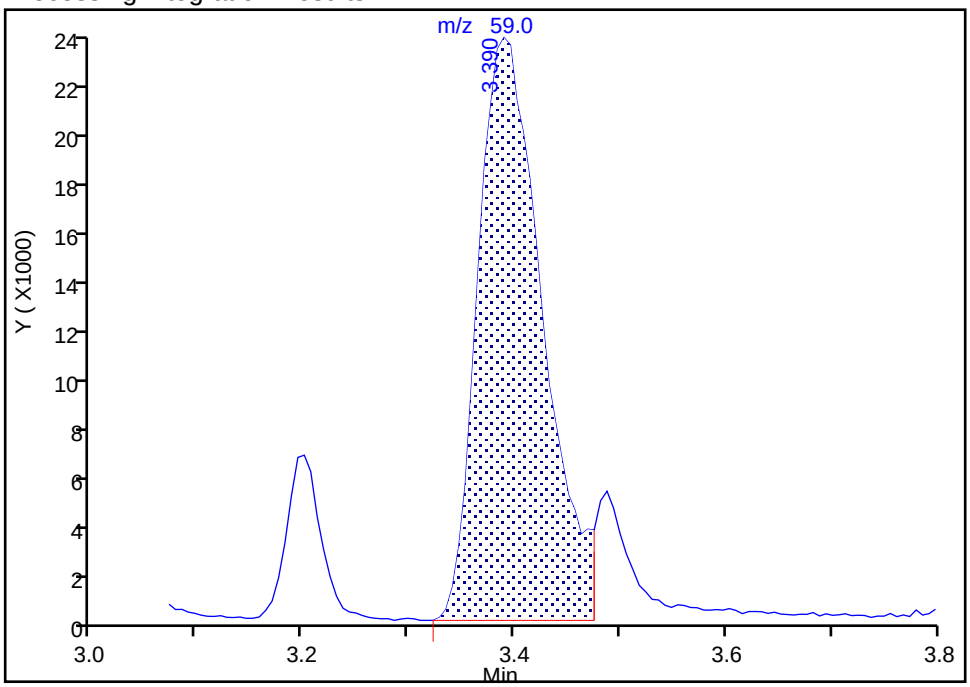
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54977.D | | | | |
| Injection Date: | 02-May-2018 00:57:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD50 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 6 | Worklist Smp#: | 7 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

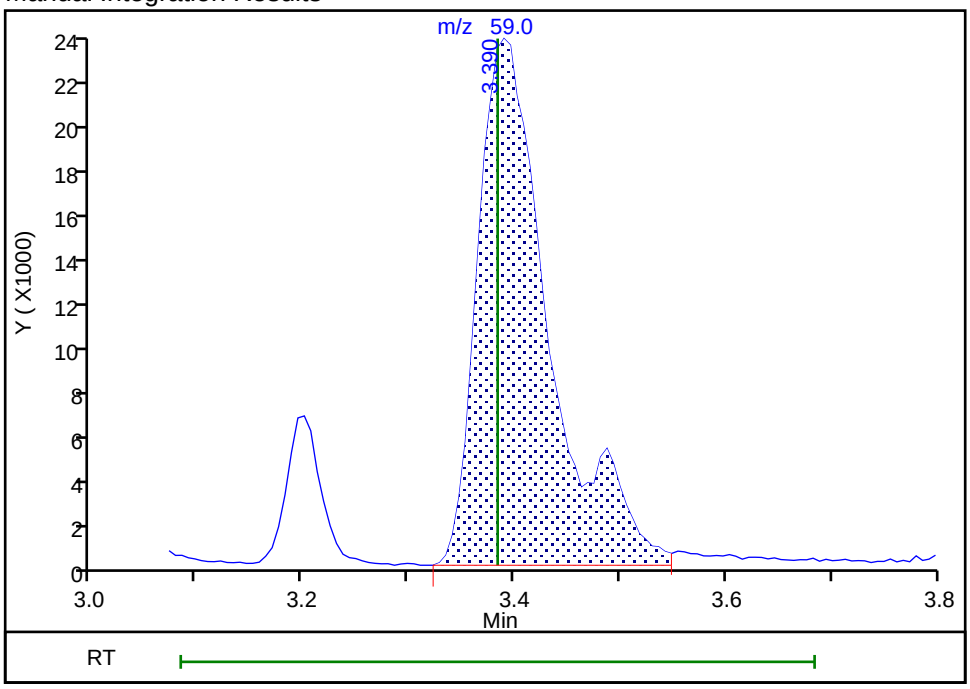
Processing Integration Results

RT: 3.39
Area: 100486
Amount: 422.6570
Amount Units: ug/l




Manual Integration Results

RT: 3.39
Area: 110846
Amount: 459.6881
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:18:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54978.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 02-May-2018 01:22:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0071367-008
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 03-May-2018 11:13:14 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: boykink Date: 02-May-2018 02:28:13

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.537 | 1.531 | 0.006 | 89 | 284578 | 200.0 | 190.0 | |
| 3 Dichlorodifluoromethane | 85 | 1.567 | 1.561 | 0.006 | 99 | 751180 | 200.0 | 188.0 | |
| 4 Chloromethane | 50 | 1.750 | 1.744 | 0.006 | 99 | 816230 | 200.0 | 172.0 | |
| 6 Butadiene | 39 | 1.847 | 1.842 | 0.005 | 98 | 762170 | 200.0 | 182.7 | |
| 5 Vinyl chloride | 62 | 1.847 | 1.842 | 0.005 | 98 | 745905 | 200.0 | 178.3 | |
| 7 Bromomethane | 94 | 2.158 | 2.152 | 0.006 | 99 | 452929 | 200.0 | 169.9 | |
| 8 Chloroethane | 64 | 2.225 | 2.220 | 0.005 | 100 | 426934 | 200.0 | 157.4 | |
| 10 Dichlorofluoromethane | 67 | 2.433 | 2.421 | 0.012 | 99 | 1020032 | 200.0 | 172.9 | |
| 11 Pentane | 72 | 2.433 | 2.427 | 0.006 | 97 | 163628 | 400.0 | 369.0 | |
| 9 Trichlorofluoromethane | 101 | 2.439 | 2.433 | 0.006 | 99 | 838022 | 200.0 | 183.5 | |
| 12 Ethanol | 46 | 2.640 | 2.616 | 0.024 | 82 | 111775 | 8000.0 | 8106.5 | |
| 13 Ethyl ether | 59 | 2.640 | 2.634 | 0.006 | 93 | 430068 | 200.0 | 189.0 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.664 | 2.652 | 0.012 | 98 | 462414 | 200.0 | 184.2 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.738 | 2.738 | 0.000 | 95 | 378522 | 200.0 | 174.3 | |
| 16 Acrolein | 56 | 2.829 | 2.823 | 0.006 | 94 | 77285 | 200.0 | 182.8 | |
| 18 1,1-Dichloroethene | 96 | 2.872 | 2.854 | 0.018 | 94 | 442200 | 200.0 | 182.2 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.859 | 2.860 | -0.001 | 95 | 449539 | 200.0 | 178.8 | |
| 19 Acetone | 58 | 2.957 | 2.951 | 0.006 | 85 | 234100 | 1000.0 | 941.2 | |
| 20 Iodomethane | 142 | 3.036 | 3.018 | 0.018 | 99 | 795477 | 200.0 | 183.7 | |
| 21 Carbon disulfide | 76 | 3.067 | 3.043 | 0.024 | 100 | 1634564 | 200.0 | 185.8 | |
| 22 Isopropyl alcohol | 45 | 3.061 | 3.049 | 0.012 | 57 | 348394 | 2000.0 | 1970.6 | |
| 23 3-Chloro-1-propene | 76 | 3.183 | 3.177 | 0.006 | 88 | 315592 | 200.0 | 197.2 | |
| 25 Cyclopentene | 67 | 3.201 | 3.195 | 0.006 | 90 | 1220913 | 200.0 | 192.2 | |
| 24 Methyl acetate | 43 | 3.201 | 3.195 | 0.006 | 99 | 931645 | 400.0 | 391.4 | |
| 26 Acetonitrile | 40 | 3.268 | 3.250 | 0.018 | 99 | 440934 | 2000.0 | 1875.3 | |
| 27 Methylene Chloride | 84 | 3.317 | 3.311 | 0.006 | 98 | 563013 | 200.0 | 181.4 | |
| * 28 TBA-d9 (IS) | 65 | 3.329 | 3.311 | 0.018 | 0 | 197269 | 1000.0 | 1000.0 | |
| 29 2-Methyl-2-propanol | 59 | 3.396 | 3.384 | 0.012 | 95 | 527973 | 2000.0 | 1960.2 | |
| 30 Methyl tert-butyl ether | 73 | 3.475 | 3.463 | 0.012 | 97 | 1463586 | 200.0 | 192.2 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.494 | 3.488 | 0.006 | 98 | 507330 | 200.0 | 186.2 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.573 | 3.561 | 0.012 | 94 | 2247348 | 2000.0 | 1940.4 | |
| 33 Hexane | 43 | 3.640 | 3.634 | 0.006 | 95 | 507417 | 200.0 | 189.1 | |
| 34 Isopropyl ether | 45 | 3.847 | 3.835 | 0.012 | 96 | 1835668 | 200.0 | 194.3 | |
| 35 1,1-Dichloroethane | 63 | 3.865 | 3.859 | 0.006 | 99 | 978603 | 200.0 | 186.9 | |
| 36 Vinyl acetate | 86 | 3.884 | 3.878 | 0.006 | 100 | 223363 | 400.0 | 485.9 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.908 | 3.902 | 0.006 | 92 | 455746 | 200.0 | 199.0 | |
| 38 Tert-butyl ethyl ether | 59 | 4.121 | 4.116 | 0.005 | 89 | 1561815 | 200.0 | 198.2 | |
| * 39 2-Butanone-d5 | 46 | 4.298 | 4.286 | 0.012 | 0 | 271358 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.317 | 4.311 | 0.006 | 95 | 172489 | 200.0 | 194.3 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.323 | 4.317 | 0.006 | 96 | 564021 | 200.0 | 190.8 | |
| 42 Ethyl acetate | 70 | 4.341 | 4.335 | 0.006 | 95 | 104799 | 400.0 | 418.6 | |
| 43 2-Butanone (MEK) | 72 | 4.341 | 4.335 | 0.006 | 95 | 288442 | 1000.0 | 1037.6 | |
| 44 Methyl acrylate | 55 | 4.390 | 4.378 | 0.012 | 99 | 489580 | 200.0 | 215.2 | |
| 45 Propionitrile | 54 | 4.457 | 4.451 | 0.006 | 98 | 785760 | 2000.0 | 2006.3 | |
| 46 Chlorobromomethane | 128 | 4.512 | 4.506 | 0.006 | 97 | 270653 | 200.0 | 192.5 | |
| 47 Tetrahydrofuran | 72 | 4.512 | 4.512 | 0.000 | 81 | 143137 | 400.0 | 425.6 | |
| 48 Methacrylonitrile | 67 | 4.536 | 4.530 | 0.006 | 96 | 2287392 | 2000.0 | 2111.3 | |
| 49 Chloroform | 83 | 4.554 | 4.548 | 0.006 | 98 | 946730 | 200.0 | 193.7 | |
| 50 Cyclohexane | 56 | 4.664 | 4.658 | 0.006 | 94 | 952296 | 200.0 | 194.7 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.670 | 0.006 | 99 | 797970 | 200.0 | 192.1 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.682 | 4.676 | 0.006 | 95 | 109632 | 50.0 | 50.2 | |
| 54 Carbon tetrachloride | 117 | 4.768 | 4.768 | 0.000 | 98 | 684264 | 200.0 | 197.1 | |
| 55 1,1-Dichloropropene | 75 | 4.792 | 4.786 | 0.006 | 96 | 751861 | 200.0 | 201.3 | |
| 56 Isobutyl alcohol | 43 | 4.890 | 4.902 | -0.012 | 95 | 1007733 | 5000.0 | 5321.4 | |
| 57 Isooctane | 57 | 4.926 | 4.914 | 0.012 | 97 | 2031892 | 200.0 | 204.2 | |
| 58 Benzene | 78 | 4.944 | 4.945 | -0.001 | 98 | 2114977 | 200.0 | 206.1 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 146368 | 50.0 | 53.0 | |
| 60 Isopropyl acetate | 43 | 4.987 | 4.981 | 0.006 | 96 | 1841021 | 200.0 | 215.3 | |
| 61 Tert-amyl methyl ether | 87 | 4.993 | 4.987 | 0.006 | 91 | 488952 | 200.0 | 210.5 | |
| 62 1,2-Dichloroethane | 62 | 5.018 | 5.012 | 0.006 | 96 | 767306 | 200.0 | 194.6 | |
| 63 n-Heptane | 71 | 5.054 | 5.054 | 0.000 | 95 | 464743 | 200.0 | 203.0 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 400712 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.383 | 5.377 | 0.006 | 92 | 346124 | 5000.0 | 5822.9 | |
| 66 Trichloroethene | 95 | 5.426 | 5.420 | 0.006 | 98 | 516919 | 200.0 | 197.6 | |
| 67 Ethyl acrylate | 56 | 5.518 | 5.512 | 0.006 | 98 | 386267 | 200.0 | 208.2 | |
| 68 Methylcyclohexane | 83 | 5.524 | 5.518 | 0.006 | 88 | 904729 | 200.0 | 201.2 | |
| 69 1,2-Dichloropropane | 63 | 5.652 | 5.646 | 0.006 | 92 | 556998 | 200.0 | 199.7 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 28020 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.694 | 5.694 | 0.000 | 91 | 250141 | 400.0 | 426.4 | |
| 73 1,4-Dioxane | 88 | 5.737 | 5.731 | 0.006 | 93 | 110926 | 4000.0 | 3745.5 | |
| 72 n-Propyl acetate | 43 | 5.737 | 5.731 | 0.006 | 99 | 773829 | 200.0 | 207.7 | |
| 74 Dibromomethane | 93 | 5.755 | 5.749 | 0.006 | 97 | 349896 | 200.0 | 204.7 | |
| 75 Dichlorobromomethane | 83 | 5.865 | 5.859 | 0.006 | 99 | 706297 | 200.0 | 207.8 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.133 | 6.127 | 0.006 | 98 | 323937 | 200.0 | 217.2 | |
| 77 2-Nitropropane | 41 | 6.145 | 6.140 | 0.005 | 98 | 260241 | 400.0 | 399.4 | |
| 78 Epichlorohydrin | 57 | 6.231 | 6.231 | 0.000 | 99 | 1016199 | 4000.0 | 4283.0 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.280 | 6.274 | 0.006 | 93 | 828600 | 200.0 | 228.5 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.420 | 6.414 | 0.006 | 98 | 2974328 | 1000.0 | 1060.1 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 98 | 379509 | 50.0 | 53.7 | |
| 82 Toluene | 91 | 6.560 | 6.554 | 0.006 | 93 | 2089232 | 200.0 | 209.2 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.810 | 6.804 | 0.006 | 98 | 709873 | 200.0 | 226.6 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 91 | 645166 | 200.0 | 219.3 | |

| 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 | 6.962 | 6.963 | -0.001 | 94 | 364076 | 200.0 | 203.7 | |
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 95 | 495675 | 200.0 | 203.0 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 741100 | 200.0 | 209.1 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 98 | 1803672 | 1000.0 | 1042.1 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 127161 | 200.0 | 212.9 | |
| 90 Chlorodibromomethane | 129 | 7.255 | 7.249 | 0.006 | 98 | 462392 | 200.0 | 219.5 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | -0.001 | 98 | 408938 | 200.0 | 207.6 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.658 | -0.001 | 88 | 280489 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.682 | 7.676 | 0.006 | 93 | 1297229 | 200.0 | 202.2 | |
| 94 Ethylbenzene | 106 | 7.724 | 7.725 | -0.001 | 99 | 722815 | 200.0 | 208.2 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 94 | 524813 | 200.0 | 217.3 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 98 | 901513 | 200.0 | 209.5 | |
| 97 n-Butyl acrylate | 73 | 8.035 | 8.035 | 0.000 | 96 | 383957 | 200.0 | 221.6 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 93 | 924080 | 200.0 | 214.9 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 94 | 1554054 | 200.0 | 213.0 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.169 | 8.170 | -0.001 | 89 | 1144047 | 200.0 | 219.7 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 96 | 298023 | 200.0 | 218.7 | |
| 102 Isopropylbenzene | 105 | 8.285 | 8.285 | 0.000 | 96 | 2585041 | 200.0 | 215.6 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.407 | 8.413 | -0.006 | 88 | 115966 | 50.0 | 50.0 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 97 | 583674 | 200.0 | 198.2 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 98 | 656829 | 200.0 | 209.2 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 98 | 3121956 | 200.0 | 207.5 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 83 | 192736 | 200.0 | 214.4 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 96 | 186907 | 200.0 | 206.7 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 98 | 2720932 | 200.0 | 210.3 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 96 | 2178147 | 200.0 | 204.7 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 92 | 2298537 | 200.0 | 216.1 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 98 | 1913345 | 200.0 | 207.9 | |
| 112 Butyl Methacrylate | 87 | 8.663 | 8.670 | -0.007 | 91 | 842803 | 200.0 | 246.3 | |
| 114 tert-Butylbenzene | 119 | 8.803 | 8.804 | -0.001 | 93 | 1931318 | 200.0 | 225.6 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.840 | 0.000 | 98 | 2366123 | 200.0 | 216.6 | |
| 116 sec-Butylbenzene | 105 | 8.919 | 8.926 | -0.007 | 99 | 2892680 | 200.0 | 218.8 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 98 | 2515456 | 200.0 | 219.5 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 95 | 1276172 | 200.0 | 205.5 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.053 | 9.060 | -0.007 | 89 | 179756 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.066 | 9.072 | -0.006 | 92 | 1294869 | 200.0 | 203.6 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.072 | 9.078 | -0.006 | 99 | 2487405 | 200.0 | 212.9 | |
| 121 Benzyl chloride | 91 | 9.151 | 9.151 | 0.000 | 98 | 1211189 | 200.0 | 244.7 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.200 | -0.006 | 94 | 2567617 | 200.0 | 209.5 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.212 | 0.000 | 92 | 1493575 | 200.0 | 214.6 | |
| 124 n-Butylbenzene | 92 | 9.224 | 9.230 | -0.006 | 97 | 1334075 | 200.0 | 210.6 | |
| 125 1,2-Dichlorobenzene | 146 | 9.285 | 9.291 | -0.006 | 95 | 1239177 | 200.0 | 211.3 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.681 | 9.688 | -0.007 | 97 | 2054482 | 200.0 | 225.6 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.773 | 9.779 | -0.006 | 97 | 107925 | 200.0 | 234.9 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.864 | 9.870 | -0.006 | 96 | 758634 | 200.0 | 212.5 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.321 | 10.328 | -0.007 | 94 | 547907 | 200.0 | 230.6 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.401 | -0.006 | 94 | 301625 | 200.0 | 202.8 | |
| 131 Naphthalene | 128 | 10.535 | 10.541 | -0.006 | 99 | 1170748 | 200.0 | 223.5 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.736 | 10.742 | -0.006 | 95 | 384197 | 200.0 | 217.2 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 400.0 | 377.0 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 400.0 | 424.4 | |
| S 135 Total BTEX | 1 | | | | 0 | | 1000.0 | 1047.8 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00252 | Amount Added: | 20.00 | Units: uL | |
| MIX I Hi_00093 | Amount Added: | 20.00 | Units: uL | |
| MIX 2 Hi_00070 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00076 | Amount Added: | 20.00 | Units: uL | |
| Ethanol mix_00015 | Amount Added: | 20.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |

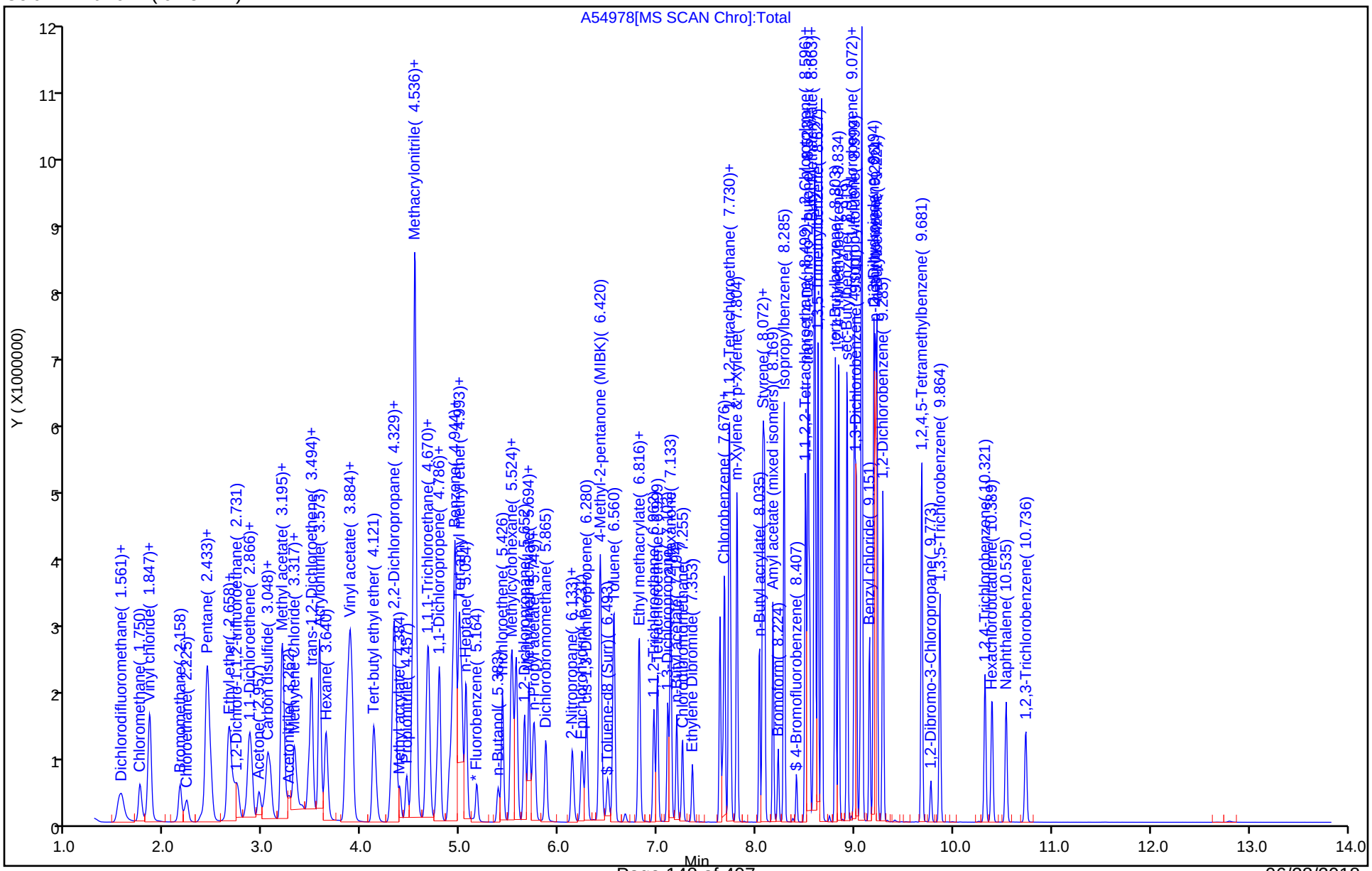
Report Date: 03-May-2018 11:13:16 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54978.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 02-May-2018 01:22:30 | 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#: | 7 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 02-May-2018 01:47:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0071367-009
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 03-May-2018 11:13:31 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: boykink Date: 02-May-2018 02:29:21

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.525 | 1.531 | -0.006 | 89 | 765381 | 500.0 | 443.7 | |
| 3 Dichlorodifluoromethane | 85 | 1.555 | 1.561 | -0.006 | 99 | 2019608 | 500.0 | 439.0 | |
| 4 Chloromethane | 50 | 1.738 | 1.744 | -0.006 | 99 | 2077271 | 500.0 | 380.2 | |
| 5 Vinyl chloride | 62 | 1.836 | 1.842 | -0.006 | 98 | 1961004 | 500.0 | 407.1 | |
| 6 Butadiene | 39 | 1.842 | 1.842 | 0.000 | 98 | 2026170 | 500.0 | 421.7 | |
| 7 Bromomethane | 94 | 2.146 | 2.152 | -0.006 | 99 | 1143226 | 500.0 | 372.5 | |
| 8 Chloroethane | 64 | 2.214 | 2.220 | -0.006 | 100 | 1066233 | 500.0 | 341.4 | |
| 10 Dichlorofluoromethane | 67 | 2.421 | 2.421 | 0.000 | 99 | 2597580 | 500.0 | 382.4 | |
| 11 Pentane | 72 | 2.451 | 2.427 | 0.024 | 97 | 430134 | 1000.0 | 864.8 | |
| 9 Trichlorofluoromethane | 101 | 2.427 | 2.433 | -0.006 | 99 | 2183570 | 500.0 | 415.2 | |
| 12 Ethanol | 46 | 2.628 | 2.616 | 0.012 | 81 | 271251 | 20000 | 17542 | |
| 13 Ethyl ether | 59 | 2.628 | 2.634 | -0.006 | 94 | 1021971 | 500.0 | 390.1 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.652 | 2.652 | 0.000 | 98 | 1179375 | 500.0 | 408.1 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.732 | 2.738 | -0.006 | 97 | 993462 | 500.0 | 397.3 | |
| 16 Acrolein | 56 | 2.817 | 2.823 | -0.006 | 92 | 144859 | 400.0 | 305.6 | |
| 18 1,1-Dichloroethene | 96 | 2.872 | 2.854 | 0.018 | 95 | 1164323 | 500.0 | 416.7 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.854 | 2.860 | -0.006 | 95 | 1239257 | 500.0 | 428.0 | |
| 19 Acetone | 58 | 2.951 | 2.951 | 0.000 | 85 | 598869 | 2500.0 | 2098.3 | |
| 20 Iodomethane | 142 | 3.030 | 3.018 | 0.012 | 99 | 2095727 | 500.0 | 420.3 | |
| 21 Carbon disulfide | 76 | 3.061 | 3.043 | 0.018 | 100 | 4466765 | 500.0 | 440.9 | |
| 22 Isopropyl alcohol | 45 | 3.055 | 3.049 | 0.006 | 95 | 814315 | 5000.0 | 4107.0 | |
| 23 3-Chloro-1-propene | 76 | 3.177 | 3.177 | 0.000 | 88 | 841535 | 500.0 | 456.8 | |
| 24 Methyl acetate | 43 | 3.195 | 3.195 | 0.000 | 99 | 2410677 | 1000.0 | 879.7 | |
| 25 Cyclopentene | 67 | 3.195 | 3.195 | 0.000 | 93 | 3222906 | 500.0 | 440.6 | |
| 26 Acetonitrile | 40 | 3.262 | 3.250 | 0.012 | 57 | 1068085 | 5000.0 | 4050.5 | a |
| * 28 TBA-d9 (IS) | 65 | 3.311 | 3.311 | 0.000 | 0 | 221234 | 1000.0 | 1000.0 | |
| 27 Methylene Chloride | 84 | 3.311 | 3.311 | 0.000 | 97 | 1473471 | 500.0 | 412.2 | |
| 29 2-Methyl-2-propanol | 59 | 3.390 | 3.384 | 0.006 | 91 | 1455175 | 5000.0 | 4817.4 | |
| 30 Methyl tert-butyl ether | 73 | 3.469 | 3.463 | 0.006 | 97 | 3839632 | 500.0 | 438.0 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.488 | 3.488 | 0.000 | 98 | 1331383 | 500.0 | 424.4 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.567 | 3.561 | 0.006 | 94 | 6052091 | 5000.0 | 4538.3 | |
| 33 Hexane | 43 | 3.628 | 3.634 | -0.006 | 95 | 1351047 | 500.0 | 437.4 | |
| 34 Isopropyl ether | 45 | 3.841 | 3.835 | 0.006 | 97 | 4754492 | 500.0 | 437.0 | |
| 35 1,1-Dichloroethane | 63 | 3.860 | 3.859 | 0.001 | 99 | 2553085 | 500.0 | 423.5 | |
| 36 Vinyl acetate | 86 | 3.878 | 3.878 | 0.000 | 100 | 597950 | 1000.0 | 1159.8 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.896 | 3.902 | -0.006 | 92 | 1200468 | 500.0 | 455.3 | |
| 38 Tert-butyl ethyl ether | 59 | 4.116 | 4.116 | 0.000 | 88 | 4073752 | 500.0 | 449.0 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.286 | 0.006 | 0 | 311364 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.317 | 4.311 | 0.006 | 95 | 467539 | 500.0 | 457.5 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.317 | 4.317 | 0.000 | 92 | 1509543 | 500.0 | 443.5 | |
| 43 2-Butanone (MEK) | 72 | 4.341 | 4.335 | 0.006 | 95 | 790802 | 2500.0 | 2479.3 | |
| 42 Ethyl acetate | 70 | 4.341 | 4.335 | 0.006 | 96 | 280444 | 1000.0 | 976.2 | |
| 44 Methyl acrylate | 55 | 4.384 | 4.378 | 0.006 | 99 | 1280832 | 500.0 | 489.0 | |
| 45 Propionitrile | 54 | 4.457 | 4.451 | 0.006 | 98 | 2113661 | 5000.0 | 4812.1 | |
| 46 Chlorobromomethane | 128 | 4.512 | 4.506 | 0.006 | 97 | 724810 | 500.0 | 447.7 | |
| 47 Tetrahydrofuran | 72 | 4.512 | 4.512 | 0.000 | 85 | 378266 | 1000.0 | 980.1 | |
| 48 Methacrylonitrile | 67 | 4.536 | 4.530 | 0.006 | 96 | 6049451 | 5000.0 | 4849.5 | |
| 49 Chloroform | 83 | 4.555 | 4.548 | 0.007 | 98 | 2502190 | 500.0 | 444.6 | |
| 50 Cyclohexane | 56 | 4.664 | 4.658 | 0.006 | 94 | 2703810 | 500.0 | 480.2 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.670 | 0.006 | 99 | 2177982 | 500.0 | 455.4 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.676 | 4.676 | 0.000 | 96 | 118871 | 50.0 | 47.3 | |
| 54 Carbon tetrachloride | 117 | 4.768 | 4.768 | 0.000 | 97 | 1918117 | 500.0 | 479.8 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 96 | 2051199 | 500.0 | 477.0 | |
| 56 Isobutyl alcohol | 43 | 4.920 | 4.902 | 0.018 | 42 | 2760417 | 12500 | 12998 | a |
| 57 Isooctane | 57 | 4.926 | 4.914 | 0.012 | 96 | 5842364 | 500.0 | 509.9 | |
| 58 Benzene | 78 | 4.945 | 4.945 | 0.000 | 97 | 5752866 | 500.0 | 459.0 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 167327 | 50.0 | 52.6 | |
| 60 Isopropyl acetate | 43 | 4.987 | 4.981 | 0.006 | 96 | 4871315 | 500.0 | 494.8 | |
| 61 Tert-amyl methyl ether | 87 | 4.987 | 4.987 | 0.000 | 95 | 1289512 | 500.0 | 482.1 | |
| 62 1,2-Dichloroethane | 62 | 5.018 | 5.012 | 0.006 | 96 | 2033952 | 500.0 | 448.0 | |
| 63 n-Heptane | 71 | 5.054 | 5.054 | 0.000 | 94 | 1320905 | 500.0 | 501.2 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 461375 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.384 | 5.377 | 0.007 | 90 | 983759 | 12500 | 14757 | |
| 66 Trichloroethene | 95 | 5.426 | 5.420 | 0.006 | 98 | 1437636 | 500.0 | 477.3 | |
| 67 Ethyl acrylate | 56 | 5.518 | 5.512 | 0.006 | 98 | 1099484 | 500.0 | 514.8 | |
| 68 Methylcyclohexane | 83 | 5.524 | 5.518 | 0.006 | 92 | 2606015 | 500.0 | 503.3 | |
| 69 1,2-Dichloropropane | 63 | 5.652 | 5.646 | 0.006 | 93 | 1512623 | 500.0 | 471.1 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.749 | 5.688 | 0.061 | 0 | 41308 | 1000.0 | 1000.0 | M |
| 70 Methyl methacrylate | 100 | 5.695 | 5.694 | 0.001 | 91 | 707550 | 1000.0 | 1047.4 | |
| 72 n-Propyl acetate | 43 | 5.737 | 5.731 | 0.006 | 99 | 2181928 | 500.0 | 508.7 | |
| 73 1,4-Dioxane | 88 | 5.737 | 5.731 | 0.006 | 28 | 315691 | 10000 | 7230.6 | |
| 74 Dibromomethane | 93 | 5.749 | 5.749 | 0.000 | 97 | 972846 | 500.0 | 494.3 | |
| 75 Dichlorobromomethane | 83 | 5.865 | 5.859 | 0.006 | 99 | 2005800 | 500.0 | 512.5 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.133 | 6.127 | 0.006 | 98 | 891882 | 500.0 | 519.4 | |
| 77 2-Nitropropane | 41 | 6.146 | 6.140 | 0.006 | 98 | 714694 | 1000.0 | 952.7 | |
| 78 Epichlorohydrin | 57 | 6.231 | 6.231 | 0.000 | 100 | 2926504 | 10000 | 10750 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.280 | 6.274 | 0.006 | 93 | 2366240 | 500.0 | 534.3 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.420 | 6.414 | 0.006 | 98 | 8159934 | 2500.0 | 2534.6 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 98 | 427056 | 50.0 | 49.5 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 93 | 5841584 | 500.0 | 479.0 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.810 | 6.804 | 0.006 | 98 | 2020056 | 500.0 | 528.0 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 91 | 1820697 | 500.0 | 537.6 | |

| 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 | 6.963 | 6.963 | 0.000 | 95 | 1037080 | 500.0 | 475.2 | |
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 95 | 1419553 | 500.0 | 476.1 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 2105803 | 500.0 | 486.5 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 98 | 4930356 | 2500.0 | 2482.6 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 348521 | 500.0 | 477.8 | |
| 90 Chlorodibromomethane | 129 | 7.255 | 7.249 | 0.006 | 98 | 1360942 | 500.0 | 529.2 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 98 | 1167273 | 500.0 | 485.2 | |
| * 92 Chlorobenzene-d5 | 117 | 7.658 | 7.658 | 0.000 | 88 | 342504 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.682 | 7.676 | 0.006 | 93 | 3766157 | 500.0 | 480.7 | |
| 94 Ethylbenzene | 106 | 7.725 | 7.725 | 0.000 | 99 | 2061585 | 500.0 | 486.3 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 94 | 1498043 | 500.0 | 508.1 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 99 | 2564418 | 500.0 | 487.9 | |
| 97 n-Butyl acrylate | 73 | 8.036 | 8.035 | 0.001 | 96 | 1063084 | 500.0 | 502.5 | |
| 98 o-Xylene | 106 | 8.072 | 8.066 | 0.006 | 93 | 2602374 | 500.0 | 495.6 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 93 | 4429463 | 500.0 | 497.1 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.170 | 8.170 | 0.000 | 89 | 3047782 | 500.0 | 512.0 | |
| 101 Bromoform | 173 | 8.225 | 8.224 | 0.001 | 96 | 898423 | 500.0 | 540.0 | |
| 102 Isopropylbenzene | 105 | 8.286 | 8.285 | 0.001 | 96 | 7313550 | 500.0 | 499.5 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.414 | 8.413 | 0.001 | 90 | 129634 | 50.0 | 45.8 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 97 | 1659164 | 500.0 | 492.8 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 98 | 1859867 | 500.0 | 518.1 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 98 | 8857406 | 500.0 | 515.0 | |
| 107 1,2,3-Trichloropropane | 110 | 8.542 | 8.541 | 0.001 | 96 | 506840 | 500.0 | 490.4 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.542 | 8.541 | 0.001 | 77 | 531506 | 500.0 | 517.1 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 98 | 7342915 | 500.0 | 496.4 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 96 | 6178429 | 500.0 | 507.8 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 92 | 6326821 | 500.0 | 520.3 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 99 | 5047849 | 500.0 | 479.9 | |
| 112 Butyl Methacrylate | 87 | 8.663 | 8.670 | -0.007 | 90 | 2192696 | 500.0 | 560.5 | |
| 114 tert-Butylbenzene | 119 | 8.804 | 8.804 | 0.000 | 93 | 5464554 | 500.0 | 558.5 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.840 | 0.000 | 97 | 6493687 | 500.0 | 519.9 | |
| 116 sec-Butylbenzene | 105 | 8.926 | 8.926 | 0.000 | 99 | 8044481 | 500.0 | 532.3 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 98 | 6932425 | 500.0 | 529.2 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 95 | 3420692 | 500.0 | 481.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.054 | 9.060 | -0.006 | 92 | 205505 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.072 | 9.072 | 0.000 | 92 | 3400167 | 500.0 | 467.7 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.072 | 9.078 | -0.006 | 99 | 6496771 | 500.0 | 486.4 | |
| 121 Benzyl chloride | 91 | 9.151 | 9.151 | 0.000 | 98 | 3441935 | 500.0 | 608.2 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.200 | -0.006 | 94 | 6613914 | 500.0 | 472.0 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.212 | 0.000 | 91 | 3773833 | 500.0 | 474.3 | |
| 124 n-Butylbenzene | 92 | 9.224 | 9.230 | -0.006 | 98 | 3418833 | 500.0 | 472.1 | |
| 125 1,2-Dichlorobenzene | 146 | 9.285 | 9.291 | -0.006 | 96 | 3241340 | 500.0 | 483.4 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.682 | 9.688 | -0.006 | 97 | 5881783 | 500.0 | 564.9 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.773 | 9.779 | -0.006 | 97 | 334316 | 500.0 | 636.5 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.864 | 9.870 | -0.006 | 97 | 2154102 | 500.0 | 527.7 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.322 | 10.328 | -0.006 | 94 | 1626768 | 500.0 | 599.0 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.401 | -0.006 | 93 | 879458 | 500.0 | 517.1 | |
| 131 Naphthalene | 128 | 10.535 | 10.541 | -0.006 | 99 | 3772000 | 500.0 | 484.2 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.736 | 10.742 | -0.006 | 95 | 1175766 | 500.0 | 487.3 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 1000.0 | 867.9 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 1000.0 | 983.6 | |
| S 135 Total BTEX | 1 | | | | 0 | | 2500.0 | 2407.9 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00252 | Amount Added: | 50.00 | Units: uL | |
| MIX I Hi_00093 | Amount Added: | 50.00 | Units: uL | |
| MIX 2 Hi_00070 | Amount Added: | 50.00 | Units: uL | |
| ACROLEIN W_00076 | Amount Added: | 40.00 | Units: uL | |
| Ethanol mix_00015 | Amount Added: | 50.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00169 | Amount Added: | 1.00 | Units: uL | Run Reagent |

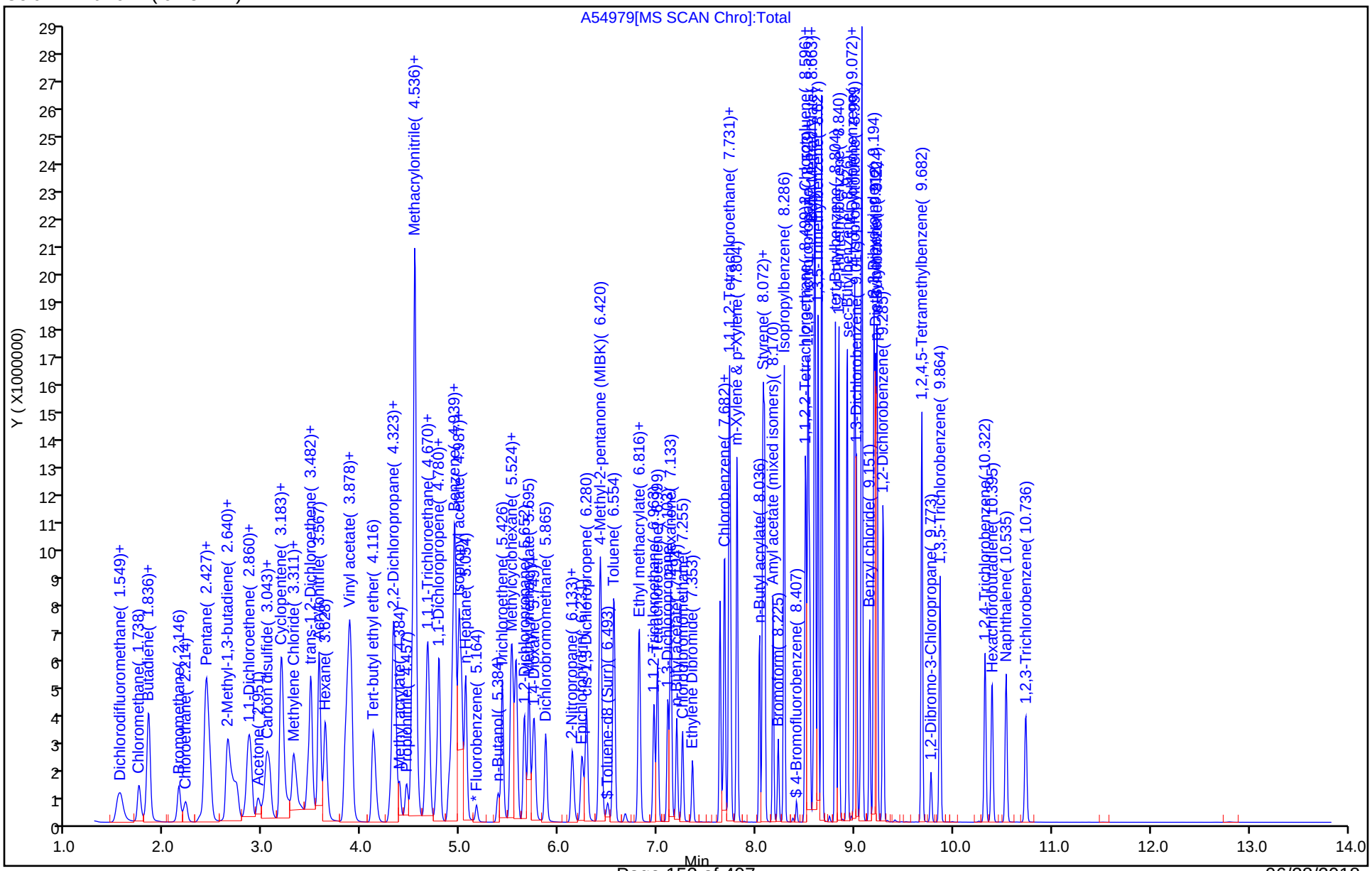
Report Date: 03-May-2018 11:13:38 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 02-May-2018 01:47:30 | 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#: | 8 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

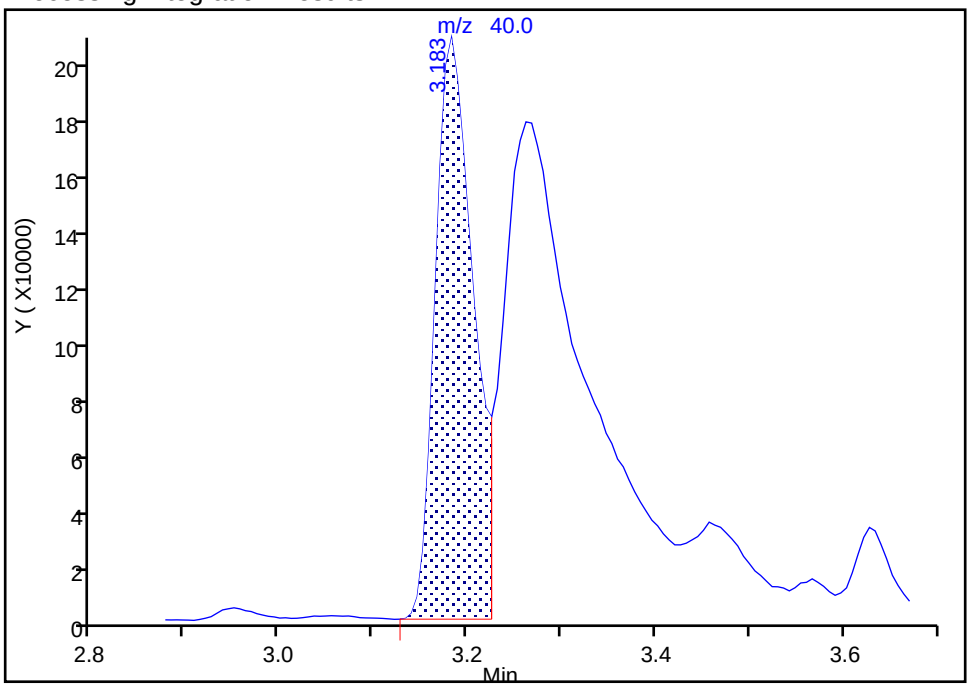
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D | | | | |
| Injection Date: | 02-May-2018 01:47:30 | Instrument ID: | CVOAMS1 | | |
| Lims ID: | STD500 | | | | |
| Client ID: | | | | | |
| Operator ID: | VOA GC/MS1 | ALS Bottle#: | 8 | Worklist Smp#: | 9 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 26 Acetonitrile, CAS: 75-05-8

Signal: 1

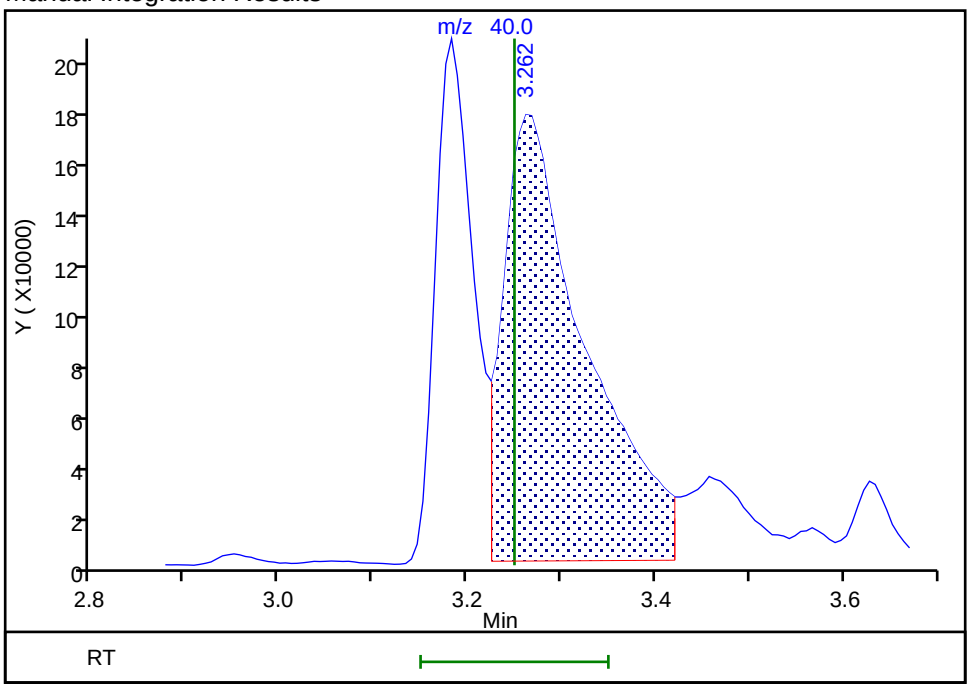
Processing Integration Results

RT: 3.18
Area: 588122
Amount: 2773.3487
Amount Units: ug/l




Manual Integration Results

RT: 3.26
Area: 1068085
Amount: 4050.4513
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:23:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

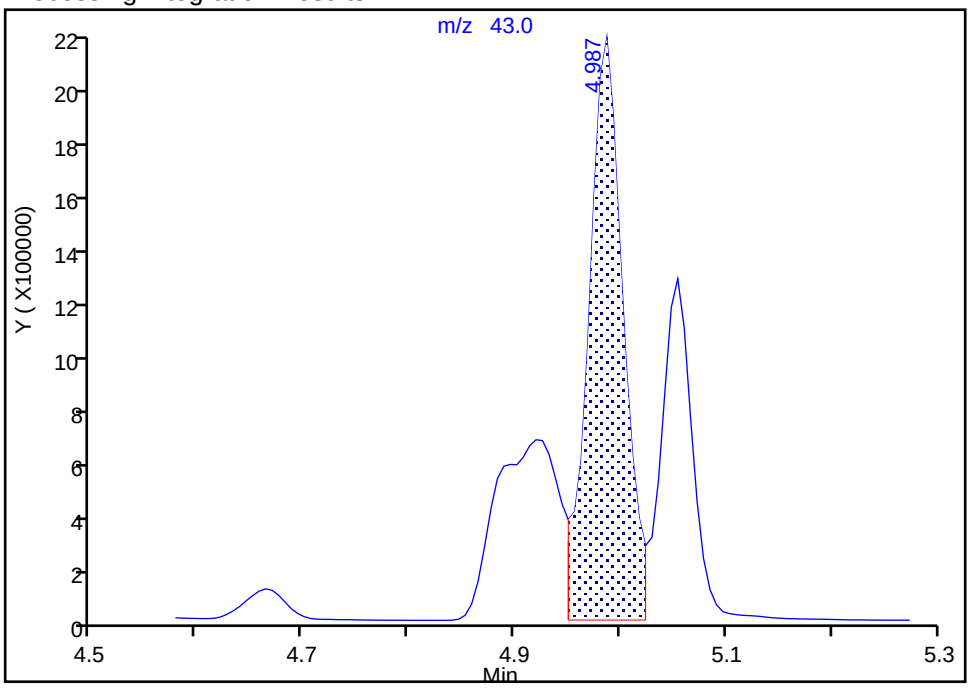
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D
Injection Date: 02-May-2018 01:47:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

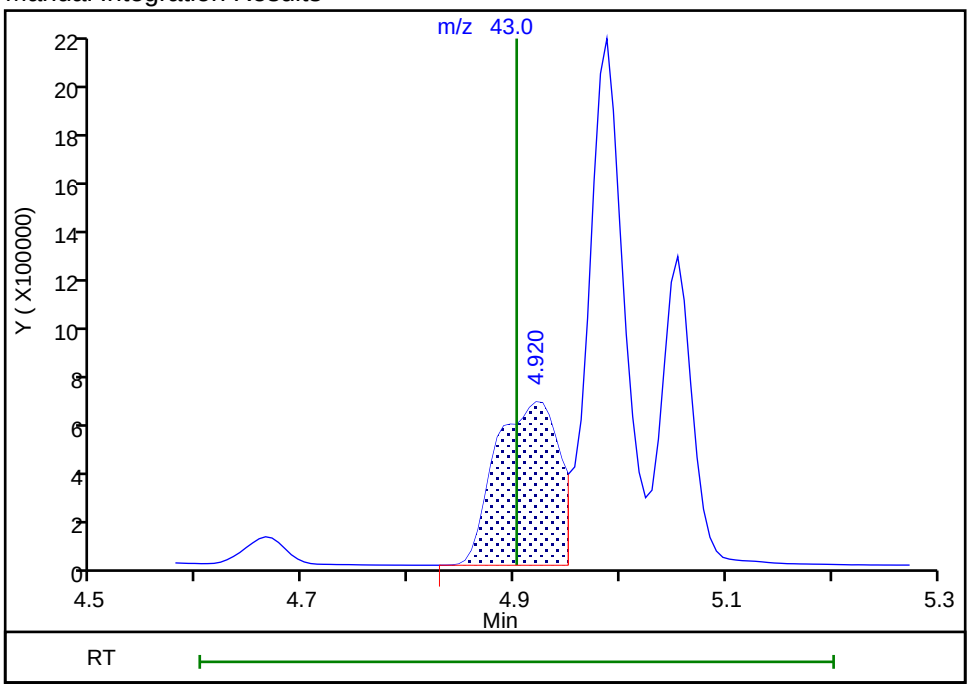
Processing Integration Results

RT: 4.99
Area: 4868643
Amount: 12803
Amount Units: ug/l




Manual Integration Results

RT: 4.92
Area: 2760417
Amount: 12998
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:23:53
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

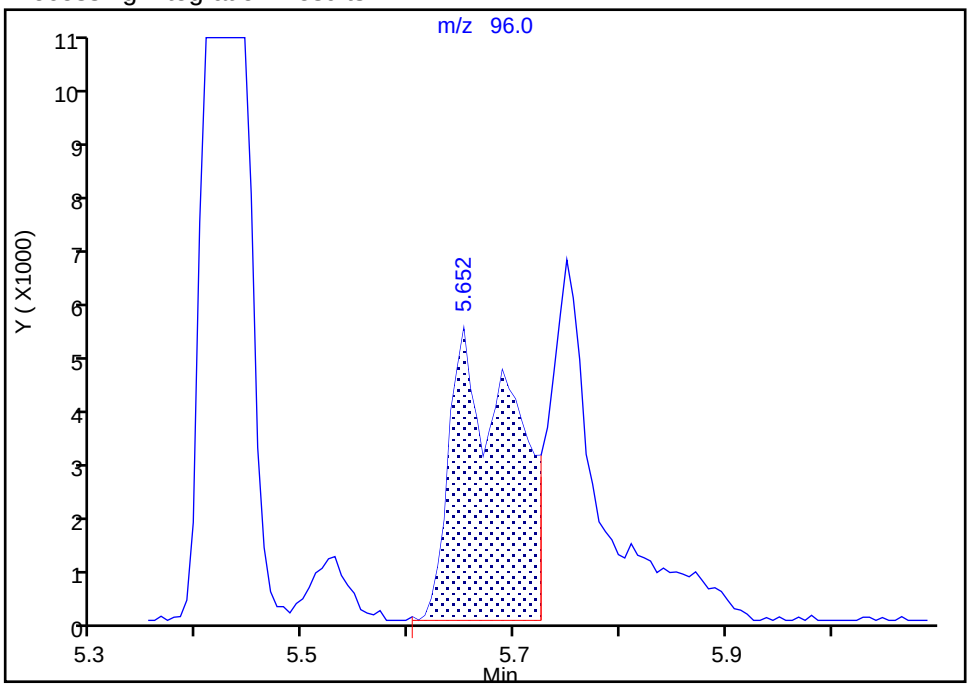
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D
Injection Date: 02-May-2018 01:47:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## * 71 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

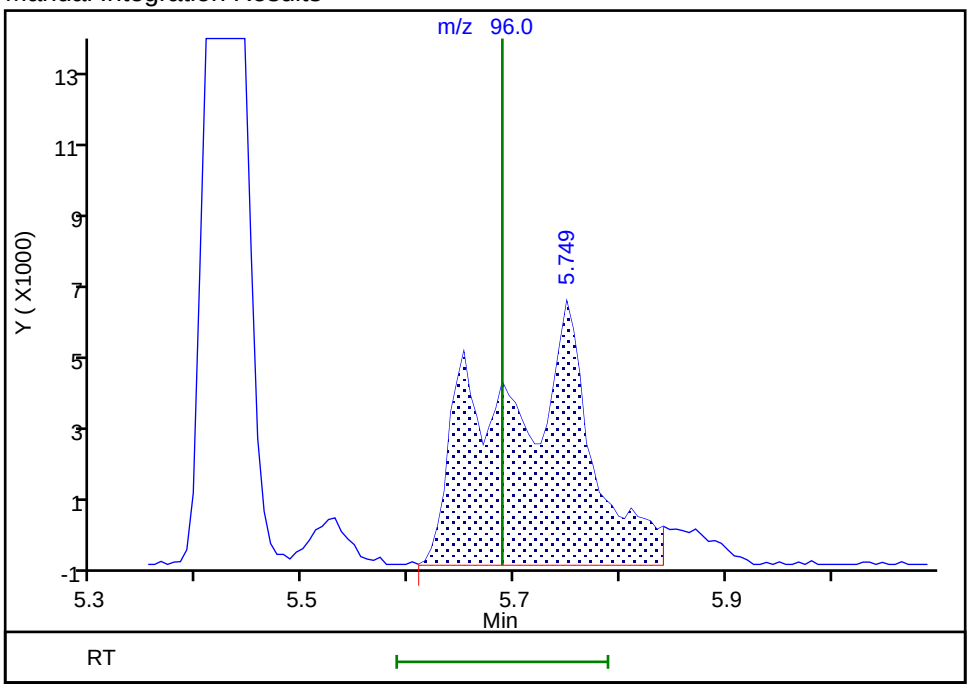
Processing Integration Results

RT: 5.65
Area: 22513
Amount: 1000.0000
Amount Units: ug/l




Manual Integration Results

RT: 5.75
Area: 41308
Amount: 1000.0000
Amount Units: ug/l




Reviewer: delpolitov, 03-May-2018 10:24:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1  Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6  GC Column: Rtx-624  ID: 0.25(mm)  Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24  Calibration End Date: 06/05/2018 05:09  Calibration ID: 69272

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8 460-525048/3 | F65705.D |
| Level 2 | STD1 460-525048/5 | F65707.D |
| Level 3 | STD5 460-525048/6 | F65708.D |
| Level 4 | STD20 460-525048/7 | F65709.D |
| Level 5 | STD50 460-525048/8 | F65710.D |
| Level 6 | STD200 460-525048/9 | F65711.D |
| Level 7 | STD500 460-525048/10 | F65712.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Chlorotrifluoroethene | +++++<br>0.4816 | 0.4045<br>0.4750 | 0.4837 | 0.4395 | 0.4446 | Ave | | 0.4548 | | | | 6.8 | | 20.0 | | | |
| Dichlorodifluoromethane | +++++<br>1.1513 | 1.2202<br>1.0754 | 1.2206 | 1.1155 | 1.1102 | Ave | | 1.1489 | | | 0.1000 | 5.3 | | 20.0 | | | |
| Chloromethane | +++++<br>1.1967 | 1.4869<br>1.0511 | 1.3893 | 1.2240 | 1.1609 | Ave | | 1.2515 | | | 0.1000 | 12.7 | | 20.0 | | | |
| Butadiene | 1.5626<br>1.0716 | 1.1805<br>0.9835 | 1.0752 | 0.9274 | 0.9356 | Qua2 | 0.1453 | 0.9933 | 0.0000214 | | | | | | 0.9960 | | 0.9900 |
| Vinyl chloride | +++++<br>1.1584 | 1.3268<br>1.0319 | 1.2856 | 1.1385 | 1.1137 | Ave | | 1.1758 | | | 0.1000 | 9.4 | | 20.0 | | | |
| Bromomethane | +++++<br>0.7340 | 0.9569<br>0.6607 | 0.8805 | 0.7155 | 0.7195 | Ave | | 0.7778 | | | 0.1000 | 14.7 | | 20.0 | | | |
| Chloroethane | +++++<br>0.6438 | 0.8063<br>0.5894 | 0.7460 | 0.6477 | 0.6411 | Ave | | 0.6790 | | | 0.1000 | 11.9 | | 20.0 | | | |
| Dichlorofluoromethane | +++++<br>1.5720 | 2.0666<br>1.4108 | 1.9079 | 1.6951 | 1.6394 | Ave | | 1.7153 | | | | 13.8 | | 20.0 | | | |
| Trichlorofluoromethane | +++++<br>1.1899 | 1.3841<br>1.1338 | 1.3640 | 1.1914 | 1.1648 | Ave | | 1.2380 | | | 0.1000 | 8.7 | | 20.0 | | | |
| Pentane | +++++<br>6.9115 | 7.5486<br>8.0472 | 7.6701 | 8.5012 | 7.2774 | Ave | | 7.6593 | | | | 7.3 | | 20.0 | | | |
| Ethyl ether | +++++<br>0.5459 | 0.5641<br>0.5003 | 0.6297 | 0.5661 | 0.5504 | Ave | | 0.5594 | | | | 7.5 | | 20.0 | | | |
| 2-Methyl-1,3-butadiene | +++++<br>0.6319 | 0.7546<br>0.5913 | 0.6863 | 0.6479 | 0.6329 | Ave | | 0.6575 | | | | 8.6 | | 20.0 | | | |
| Ethanol | +++++<br>0.0989 | 0.1210<br>0.0858 | 0.1077 | 0.0947 | 0.0739 | QuaF | | 0.1030 | -0.000001 | | | | | | 0.9980 | | 0.9900 |
| 1,2-Dichloro-1,1,2-trifluoroethane | +++++<br>0.5654 | 0.7080<br>0.5620 | 0.6614 | 0.6207 | 0.6132 | Ave | | 0.6218 | | | | 9.1 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Acrolein | +++++<br>3.4253 | 4.7573<br>4.2554 | 3.5276 | 3.9626 | 3.7258 | Ave | | 3.9423 | | | | 12.7 | | 20.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | +++++<br>0.6562 | 0.7307<br>0.6796 | 0.8021 | 0.7406 | 0.7204 | Ave | | 0.7216 | | | 0.1000 | 7.1 | | 20.0 | | | |
| 1,1-Dichloroethene | +++++<br>0.6380 | 0.7444<br>0.6426 | 0.7101 | 0.6638 | 0.6696 | Ave | | 0.6781 | | | 0.1000 | 6.1 | | 20.0 | | | |
| Acetone | +++++<br>2.2721 | 4.6186<br>1.8822 | 2.7881 | 2.3451 | 2.2972 | Qua2 | 11.541 | 2.3117 | -0.000158 | | 0.0500 | | | | 0.9990 | | 0.9900 |
| Iodomethane | +++++<br>1.1552 | 1.3374<br>1.1074 | 1.2451 | 1.1883 | 1.1588 | Ave | | 1.1987 | | | | 6.8 | | 20.0 | | | |
| Carbon disulfide | +++++<br>2.5024 | 2.9379<br>2.3717 | 2.8627 | 2.6735 | 2.6028 | Ave | | 2.6585 | | | 0.1000 | 8.1 | | 20.0 | | | |
| Isopropyl alcohol | +++++<br>1.5051 | 1.5615<br>1.4526 | 1.5372 | 1.4352 | 1.6168 | Ave | | 1.5181 | | | | 4.5 | | 20.0 | | | |
| Allyl chloride | +++++<br>1.3518 | 1.5763<br>1.2825 | 1.5198 | 1.4387 | 1.3944 | Ave | | 1.4273 | | | | 7.6 | | 20.0 | | | |
| Methyl acetate | +++++<br>0.4200 | 0.4605<br>0.3772 | 0.4728 | 0.4120 | 0.4075 | Ave | | 0.4250 | | | 0.1000 | 8.4 | | 20.0 | | | |
| Cyclopentene | +++++<br>1.7200 | 1.8566<br>1.6001 | 1.8554 | 1.7645 | 1.7375 | Ave | | 1.7557 | | | | 5.5 | | 20.0 | | | |
| Acetonitrile | +++++<br>3.6085 | 1.8617<br>3.7712 | 3.3628 | 4.4754 | 4.3783 | Qua2 | -24.46 | 4.2513 | -0.000119 | | | | | | 0.9930 | | 0.9900 |
| Methylene Chloride | +++++<br>0.7663 | 0.9077<br>0.7352 | 0.9022 | 0.8149 | 0.7971 | Ave | | 0.8205 | | | 0.1000 | 8.6 | | 20.0 | | | |
| 2-Methyl-2-propanol | +++++<br>2.6960 | 3.0558<br>2.6756 | 3.0157 | 3.0068 | 2.8967 | Ave | | 2.8911 | | | | 5.8 | | 20.0 | | | |
| Methyl tert-butyl ether | +++++<br>1.9883 | 2.1214<br>1.8105 | 2.1857 | 2.0512 | 2.0543 | Ave | | 2.0352 | | | 0.1000 | 6.3 | | 20.0 | | | |
| trans-1,2-Dichloroethene | +++++<br>0.6875 | 0.8913<br>0.6586 | 0.8334 | 0.7323 | 0.7358 | Ave | | 0.7565 | | | 0.1000 | 11.7 | | 20.0 | | | |
| Acrylonitrile | 0.3167<br>0.2365 | 0.2471<br>0.2077 | 0.2669 | 0.2385 | 0.2407 | Ave | | 0.2506 | | | | 13.6 | | 20.0 | | | |
| Hexane | +++++<br>0.5791 | 0.7924<br>0.5727 | 0.7093 | 0.6569 | 0.6480 | Ave | | 0.6597 | | | | 12.5 | | 20.0 | | | |
| Isopropyl ether | +++++<br>2.4083 | 2.8197<br>2.1469 | 2.7494 | 2.5315 | 2.5231 | Ave | | 2.5298 | | | | 9.6 | | 20.0 | | | |
| 1,1-Dichloroethane | +++++<br>1.2619 | 1.5527<br>1.1778 | 1.5019 | 1.4126 | 1.3462 | Ave | | 1.3755 | | | 0.2000 | 10.4 | | 20.0 | | | |
| Vinyl acetate | +++++<br>0.1333 | 0.1176<br>0.1337 | 0.1260 | 0.1326 | 0.1286 | Ave | | 0.1287 | | | | 4.8 | | 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.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Chloro-1,3-butadiene | +++++ 0.6377 | 0.6726 0.5729 | 0.6884 | 0.6305 | 0.6576 | Ave | | 0.6433 | | | | 6.3 | | 20.0 | | | |
| Tert-butyl ethyl ether | +++++ 2.2707 | 2.6160 2.0146 | 2.4584 | 2.3262 | 2.3356 | Ave | | 2.3369 | | | | 8.6 | | 20.0 | | | |
| 2,2-Dichloropropane | +++++ 0.2567 | 0.2943 0.2508 | 0.3059 | 0.2708 | 0.2657 | Ave | | 0.2740 | | | | 7.9 | | 20.0 | | | |
| cis-1,2-Dichloroethene | +++++ 0.7823 | 0.9432 0.7367 | 0.8787 | 0.8348 | 0.8300 | Ave | | 0.8343 | | | 0.1000 | 8.7 | | 20.0 | | | |
| Ethyl acetate | +++++ 0.9500 | 0.6444 0.8395 | 0.9567 | 0.9330 | 0.9167 | Ave | | 0.8734 | | | | 13.7 | | 20.0 | | | |
| 2-Butanone | +++++ 0.9567 | 0.8394 0.8152 | 0.9411 | 0.8799 | 0.9196 | Ave | | 0.8920 | | | 0.0500 | 6.4 | | 20.0 | | | |
| Methyl acrylate | +++++ 0.7479 | 0.7787 0.6766 | 0.7830 | 0.6853 | 0.7287 | Ave | | 0.7334 | | | | 6.2 | | 20.0 | | | |
| Propionitrile | +++++ 4.3992 | 3.7589 4.5087 | 4.4750 | 4.8624 | 4.7267 | Ave | | 4.4552 | | | | 8.6 | | 20.0 | | | |
| Chlorobromomethane | +++++ 0.3569 | 0.3948 0.3338 | 0.4164 | 0.3740 | 0.3729 | Ave | | 0.3748 | | | | 7.7 | | 20.0 | | | |
| Tetrahydrofuran | +++++ 1.0994 | 1.2158 0.9615 | 1.1889 | 0.9621 | 1.0786 | Ave | | 1.0844 | | | | 10.0 | | 20.0 | | | |
| Methacrylonitrile | +++++ 0.2522 | 0.2534 0.2260 | 0.2518 | 0.2480 | 0.2468 | Ave | | 0.2464 | | | | 4.2 | | 20.0 | | | |
| Chloroform | +++++ 1.1690 | 1.3683 1.0989 | 1.3941 | 1.2886 | 1.2367 | Ave | | 1.2593 | | | 0.2000 | 9.1 | | 20.0 | | | |
| Cyclohexane | +++++ 1.0552 | 1.0069 1.0714 | 1.1971 | 1.1461 | 1.1410 | Ave | | 1.1030 | | | 0.1000 | 6.4 | | 20.0 | | | |
| 1,1,1-Trichloroethane | +++++ 1.0409 | 1.2460 1.0123 | 1.1727 | 1.1150 | 1.0933 | Ave | | 1.1134 | | | 0.1000 | 7.7 | | 20.0 | | | |
| Carbon tetrachloride | +++++ 0.8506 | 0.9607 0.8452 | 0.9359 | 0.8841 | 0.8891 | Ave | | 0.8943 | | | 0.1000 | 5.1 | | 20.0 | | | |
| 1,1-Dichloropropene | +++++ 0.9376 | 1.0794 0.9052 | 1.0585 | 0.9998 | 0.9980 | Ave | | 0.9964 | | | | 6.7 | | 20.0 | | | |
| Isobutyl alcohol | +++++ 2.0123 | 1.6366 2.1808 | 1.7898 | 2.1129 | 2.0282 | Ave | | 1.9601 | | | | 10.5 | | 20.0 | | | |
| Benzene | +++++ 3.9433 | 4.8865 3.4898 | 4.7695 | 4.4462 | 4.4049 | Ave | | 4.3234 | | | 0.5000 | 12.1 | | 20.0 | | | |
| Isopropyl acetate | +++++ 1.9777 | 2.0172 1.7903 | 2.0196 | 1.8470 | 1.8900 | Ave | | 1.9236 | | | | 5.0 | | 20.0 | | | |
| Tert-amyl methyl ether | +++++ 2.3685 | 2.4119 2.1320 | 2.5508 | 2.3494 | 2.3486 | Ave | | 2.3602 | | | | 5.7 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2-Dichloroethane | +++++<br>0.8918 | 1.0762<br>0.8410 | 1.0307 | 0.9072 | 0.9056 | Ave | | 0.9421 | | | 0.1000 | 9.6 | | 20.0 | | | |
| n-Heptane | +++++<br>0.5053 | 0.5233<br>0.5019 | 0.5839 | 0.5634 | 0.5440 | Ave | | 0.5370 | | | | 6.1 | | 20.0 | | | |
| n-Butanol | +++++<br>0.5483 | 0.0835<br>0.5766 | 0.2916 | 0.3726 | 0.4645 | Qua2 | -8.523 | 0.4126 | 0.0000153 | | | | | | 0.9900 | | 0.9900 |
| Trichloroethene | +++++<br>0.6984 | 0.8227<br>0.6693 | 0.8043 | 0.7155 | 0.7207 | Ave | | 0.7385 | | | 0.2000 | 8.3 | | 20.0 | | | |
| Ethyl acrylate | +++++<br>1.6461 | 1.5431<br>1.6901 | 1.6446 | 1.6197 | 1.6676 | Ave | | 1.6352 | | | | 3.1 | | 20.0 | | | |
| Methylcyclohexane | +++++<br>1.2007 | 1.2962<br>1.2246 | 1.3656 | 1.3127 | 1.2991 | Ave | | 1.2831 | | | 0.1000 | 4.7 | | 20.0 | | | |
| 1,2-Dichloropropane | +++++<br>0.7484 | 0.8405<br>0.7037 | 0.8001 | 0.7513 | 0.7544 | Ave | | 0.7664 | | | 0.1000 | 6.2 | | 20.0 | | | |
| Methyl methacrylate | +++++<br>0.1602 | 0.1341<br>0.1536 | 0.1352 | 0.1425 | 0.1542 | Ave | | 0.1466 | | | | 7.4 | | 20.0 | | | |
| n-Propyl acetate | +++++<br>0.8244 | 0.7109<br>0.7636 | 0.6809 | 0.7213 | 0.7554 | Ave | | 0.7427 | | | | 6.7 | | 20.0 | | | |
| Dibromomethane | +++++<br>0.4090 | 0.4877<br>0.3928 | 0.4585 | 0.4243 | 0.4136 | Ave | | 0.4310 | | | | 8.2 | | 20.0 | | | |
| 1,4-Dioxane | +++++<br>3.7581 | 2.0577<br>2.6306 | 3.0853 | 2.0087 | 1.9068 | QuaF | | 4.1212 | -0.000148 | | | | | | 0.9900 | | 0.9900 |
| Bromodichloromethane | +++++<br>0.9579 | 0.9855<br>0.9082 | 0.9934 | 0.9292 | 0.9447 | Ave | | 0.9532 | | | 0.2000 | 3.4 | | 20.0 | | | |
| 2-Chloroethyl vinyl ether | +++++<br>0.4174 | 0.3878<br>0.3754 | 0.3383 | 0.3531 | 0.3757 | Ave | | 0.3746 | | | | 7.3 | | 20.0 | | | |
| 2-Nitropropane | +++++<br>0.1454 | 0.2204<br>0.1400 | 0.1638 | 0.1278 | 0.1294 | Qua2 | 0.1782 | 0.1332 | 0.0000090 | | | | | | 0.9950 | | 0.9900 |
| Epichlorohydrin | 0.7120<br>0.8216 | 0.6787<br>0.6707 | 0.7754 | 0.7130 | 0.7672 | Ave | | 0.7341 | | | | 7.6 | | 20.0 | | | |
| cis-1,3-Dichloropropene | +++++<br>1.6238 | 1.6804<br>1.5089 | 1.6190 | 1.5808 | 1.6198 | Ave | | 1.6055 | | | 0.2000 | 3.6 | | 20.0 | | | |
| 4-Methyl-2-pentanone | +++++<br>8.9213 | 7.1849<br>7.0492 | 8.1780 | 8.4725 | 8.7868 | Ave | | 8.0988 | | | 0.0500 | 9.9 | | 20.0 | | | |
| Toluene | +++++<br>4.1092 | 4.9327<br>3.5768 | 4.6544 | 4.4412 | 4.4281 | Ave | | 4.3571 | | | 0.4000 | 10.8 | | 20.0 | | | |
| trans-1,3-Dichloropropene | +++++<br>1.3639 | 1.3176<br>1.3009 | 1.3685 | 1.2794 | 1.3308 | Ave | | 1.3268 | | | 0.1000 | 2.6 | | 20.0 | | | |
| Ethyl methacrylate | +++++<br>1.2243 | 0.9616<br>1.1149 | 1.0770 | 1.1168 | 1.1922 | Ave | | 1.1145 | | | | 8.3 | | 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.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,1,2-Trichloroethane | +++++<br>0.6989 | 0.8135<br>0.6616 | 0.8048 | 0.7312 | 0.7323 | Ave | | 0.7404 | | | 0.1000 | 8.0 | | 20.0 | | | |
| Tetrachloroethene | +++++<br>0.9566 | 1.1846<br>0.9084 | 1.0636 | 1.0360 | 1.0375 | Ave | | 1.0311 | | | 0.2000 | 9.2 | | 20.0 | | | |
| 1,3-Dichloropropane | +++++<br>1.3990 | 1.4262<br>1.2954 | 1.4433 | 1.3554 | 1.4063 | Ave | | 1.3876 | | | | 3.9 | | 20.0 | | | |
| 2-Hexanone | +++++<br>5.1906 | 2.5761<br>4.3284 | 4.3034 | 4.4160 | 4.7678 | Qua2 | -11.38 | 4.8269 | -0.000122 | | 0.0500 | | | | 0.9960 | | 0.9900 |
| n-Butyl acetate | +++++<br>1.3853 | 1.2849<br>1.1968 | 1.3933 | 1.2994 | 1.4003 | Ave | | 1.3267 | | | | 6.1 | | 20.0 | | | |
| Dibromochloromethane | +++++<br>0.9134 | 0.9136<br>0.8595 | 0.9146 | 0.8897 | 0.9228 | Ave | | 0.9023 | | | 0.1000 | 2.6 | | 20.0 | | | |
| Ethylene Dibromide | +++++<br>0.7815 | 0.7351<br>0.7257 | 0.8446 | 0.7621 | 0.7667 | Ave | | 0.7693 | | | 0.1000 | 5.5 | | 20.0 | | | |
| Chlorobenzene | +++++<br>2.5574 | 2.7722<br>2.3529 | 2.8098 | 2.6140 | 2.6646 | Ave | | 2.6285 | | | 0.5000 | 6.3 | | 20.0 | | | |
| Ethylbenzene | +++++<br>1.4719 | 1.7103<br>1.3880 | 1.6568 | 1.5512 | 1.5665 | Ave | | 1.5574 | | | 0.1000 | 7.6 | | 20.0 | | | |
| 1,1,1,2-Tetrachloroethane | +++++<br>0.9776 | 1.0911<br>0.9047 | 1.0113 | 1.0069 | 1.0204 | Ave | | 1.0020 | | | | 6.1 | | 20.0 | | | |
| m-Xylene & p-Xylene | +++++<br>1.8287 | 1.8184<br>1.6923 | 1.9302 | 1.9078 | 1.9386 | Ave | | 1.8527 | | | 0.1000 | 5.1 | | 20.0 | | | |
| n-Butyl acrylate | +++++<br>0.7627 | 0.8513<br>0.6868 | 0.7121 | 0.6904 | 0.7522 | Ave | | 0.7426 | | | | 8.3 | | 20.0 | | | |
| o-Xylene | +++++<br>1.8646 | 1.9803<br>1.6812 | 2.0100 | 1.9589 | 2.0065 | Ave | | 1.9169 | | | 0.3000 | 6.6 | | 20.0 | | | |
| Styrene | +++++<br>2.9177 | 2.5983<br>2.6053 | 3.0382 | 3.0171 | 3.0744 | Ave | | 2.8752 | | | 0.3000 | 7.6 | | 20.0 | | | |
| Amyl acetate (mixed isomers) | +++++<br>3.1615 | 1.8681<br>2.8880 | 2.4886 | 2.7441 | 2.9562 | Qua2 | -1.048 | 2.8784 | 0.0002250 | | | | | | 0.9970 | | 0.9900 |
| Bromoform | +++++<br>0.5551 | 0.5359<br>0.5191 | 0.5788 | 0.5409 | 0.5663 | Ave | | 0.5494 | | | 0.1000 | 4.0 | | 20.0 | | | |
| Isopropylbenzene | +++++<br>4.5564 | 5.1516<br>3.6122 | 5.1519 | 5.1108 | 5.1900 | Ave | | 4.7955 | | | 0.1000 | 13.1 | | 20.0 | | | |
| Bromobenzene | +++++<br>1.9878 | 2.1053<br>1.9086 | 2.1484 | 2.0534 | 2.0812 | Ave | | 2.0474 | | | | 4.2 | | 20.0 | | | |
| 1,1,2,2-Tetrachloroethane | +++++<br>1.9537 | 2.1601<br>1.7993 | 2.2251 | 1.9180 | 1.9524 | Ave | | 2.0014 | | | 0.3000 | 8.0 | | 20.0 | | | |
| N-Propylbenzene | +++++<br>9.4473 | 11.033<br>7.4337 | 10.778 | 10.616 | 10.435 | Ave | | 9.9572 | | | | 13.6 | | 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.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2,3-Trichloropropane | +++++<br>0.5431 | 0.5545<br>0.4955 | 0.5819 | 0.5626 | 0.5292 | Ave | | 0.5445 | | | | 5.5 | | 20.0 | | | |
| trans-1,4-Dichloro-2-butene | +++++<br>0.5066 | 0.5594<br>0.4897 | 0.4865 | 0.4780 | 0.4893 | Ave | | 0.5016 | | | | 5.9 | | 20.0 | | | |
| 2-Chlorotoluene | +++++<br>6.9945 | 7.1933<br>5.9095 | 7.4311 | 7.2715 | 7.2450 | Ave | | 7.0075 | | | | 7.9 | | 20.0 | | | |
| 4-Ethyltoluene | +++++<br>8.3829 | 8.6644<br>6.6815 | 8.5962 | 8.8076 | 8.7221 | Ave | | 8.3091 | | | | 9.8 | | 20.0 | | | |
| 1,3,5-Trimethylbenzene | +++++<br>7.1780 | 7.5879<br>5.9183 | 7.7458 | 7.6987 | 7.6238 | Ave | | 7.2921 | | | | 9.6 | | 20.0 | | | |
| 4-Chlorotoluene | +++++<br>5.9724 | 6.7008<br>5.3254 | 6.7978 | 6.3657 | 6.3690 | Ave | | 6.2552 | | | | 8.6 | | 20.0 | | | |
| Butyl Methacrylate | +++++<br>2.7870 | 1.5874<br>2.5703 | 2.2825 | 2.4084 | 2.6477 | Qua2 | -1.012 | 2.5774 | 0.0001437 | | | | | | 0.9980 | | 0.9900 |
| tert-Butylbenzene | +++++<br>5.9027 | 5.6641<br>5.1198 | 5.7050 | 6.0002 | 6.0838 | Ave | | 5.7459 | | | | 6.0 | | 20.0 | | | |
| 1,2,4-Trimethylbenzene | +++++<br>7.3101 | 7.6361<br>5.8477 | 7.8203 | 7.8770 | 7.7727 | Ave | | 7.3773 | | | | 10.5 | | 20.0 | | | |
| sec-Butylbenzene | +++++<br>8.6270 | 9.0648<br>6.7176 | 9.2884 | 9.4645 | 9.5127 | Ave | | 8.7792 | | | | 12.1 | | 20.0 | | | |
| 4-Isopropyltoluene | +++++<br>7.5589 | 7.6020<br>5.9324 | 7.8409 | 7.9614 | 8.0857 | Ave | | 7.4969 | | | | 10.6 | | 20.0 | | | |
| 1,3-Dichlorobenzene | +++++<br>3.8613 | 4.5208<br>3.4223 | 4.2285 | 4.0890 | 4.0706 | Ave | | 4.0321 | | | 0.6000 | 9.2 | | 20.0 | | | |
| 1,4-Dichlorobenzene | +++++<br>3.8677 | 4.5457<br>3.4797 | 4.3796 | 4.1571 | 4.1477 | Ave | | 4.0962 | | | 0.5000 | 9.3 | | 20.0 | | | |
| 1,2,3-Trimethylbenzene | +++++<br>7.8642 | 8.2753<br>5.9820 | 8.2790 | 8.1203 | 8.1666 | Ave | | 7.7812 | | | | 11.5 | | 20.0 | | | |
| Benzyl chloride | +++++<br>4.0988 | 3.5369<br>3.4762 | 3.7148 | 3.9382 | 4.0751 | Ave | | 3.8066 | | | | 7.1 | | 20.0 | | | |
| Indan | +++++<br>7.4409 | 8.4019<br>5.6244 | 8.2035 | 7.9007 | 7.8939 | Ave | | 7.5776 | | | | 13.3 | | 20.0 | | | |
| p-Diethylbenzene | +++++<br>4.3811 | 4.9544<br>3.7676 | 4.4770 | 4.5111 | 4.6041 | Ave | | 4.4492 | | | | 8.7 | | 20.0 | | | |
| n-Butylbenzene | +++++<br>3.9893 | 4.2421<br>3.5228 | 4.2735 | 4.2266 | 4.2682 | Ave | | 4.0871 | | | | 7.3 | | 20.0 | | | |
| 1,2-Dichlorobenzene | +++++<br>3.8201 | 4.3966<br>3.3450 | 4.2811 | 4.0540 | 4.0821 | Ave | | 3.9965 | | | 0.4000 | 9.4 | | 20.0 | | | |
| 1,2,4,5-Tetramethylbenzene | +++++<br>7.3546 | 7.8894<br>5.4502 | 7.5168 | 7.6440 | 7.6639 | Ave | | 7.2531 | | | | 12.4 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2-Dibromo-3-Chloropropane | +++++<br>0.3745 | 0.5279<br>0.3369 | 0.3878 | 0.3604 | 0.3520 | Qua2 | 0.1700 | 0.3570 | -0.000025 | | 0.0500 | | | | 0.9990 | | 0.9900 |
| 1,3,5-Trichlorobenzene | +++++<br>2.9836 | 3.3234<br>2.6075 | 3.3102 | 3.0968 | 3.1205 | Ave | | 3.0737 | | | | 8.6 | | 20.0 | | | |
| 1,2,4-Trichlorobenzene | +++++<br>2.7166 | 2.5472<br>2.4162 | 2.7523 | 2.7031 | 2.7633 | Ave | | 2.6498 | | | 0.2000 | 5.2 | | 20.0 | | | |
| Hexachlorobutadiene | +++++<br>1.1861 | 1.3714<br>1.1084 | 1.2541 | 1.1914 | 1.2271 | Ave | | 1.2231 | | | | 7.2 | | 20.0 | | | |
| Naphthalene | +++++<br>6.4212 | 6.5072<br>5.0914 | 6.0171 | 5.7723 | 6.3105 | Ave | | 6.0199 | | | | 8.8 | | 20.0 | | | |
| 1,2,3-Trichlorobenzene | +++++<br>2.4521 | 2.8229<br>2.1555 | 2.4993 | 2.3419 | 2.4211 | Ave | | 2.4488 | | | | 9.0 | | 20.0 | | | |
| Dibromofluoromethane (Surr) | 0.2550<br>0.2310 | 0.2557<br>0.2270 | 0.2609 | 0.2558 | 0.2414 | Ave | | 0.2467 | | | | 5.5 | | 20.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.2921<br>0.3234 | 0.3013<br>0.3285 | 0.2930 | 0.2880 | 0.2702 | Ave | | 0.2995 | | | | 6.8 | | 20.0 | | | |
| Toluene-d8 (Surr) | 1.4549<br>1.4278 | 1.4784<br>1.3935 | 1.4539 | 1.4651 | 1.4970 | Ave | | 1.4529 | | | | 2.3 | | 20.0 | | | |
| Bromofluorobenzene | 0.4174<br>0.4160 | 0.4159<br>0.3903 | 0.4278 | 0.4113 | 0.4101 | Ave | | 0.4127 | | | | 2.8 | | 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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8 460-525048/3 | F65705.D |
| Level 2 | STD1 460-525048/5 | F65707.D |
| Level 3 | STD5 460-525048/6 | F65708.D |
| Level 4 | STD20 460-525048/7 | F65709.D |
| Level 5 | STD50 460-525048/8 | F65710.D |
| Level 6 | STD200 460-525048/9 | F65711.D |
| Level 7 | STD500 460-525048/10 | F65712.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Chlorotrifluoroethene | FB | Ave | +++++<br>629431 | 2547<br>1653089 | 15092 | 55519 | 142666 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dichlorodifluoromethane | FB | Ave | +++++<br>1504837 | 7683<br>3742797 | 38084 | 140900 | 356231 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Chloromethane | FB | Ave | +++++<br>1564119 | 9362<br>3658233 | 43349 | 154611 | 372506 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Butadiene | FB | Qua2 | 2788<br>1400579 | 7433<br>3422837 | 33549 | 117148 | 300218 | 0.250<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Vinyl chloride | FB | Ave | +++++<br>1514038 | 8354<br>3591383 | 40113 | 143809 | 357370 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromomethane | FB | Ave | +++++<br>959335 | 6025<br>2299493 | 27473 | 90379 | 230851 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Chloroethane | FB | Ave | +++++<br>841444 | 5077<br>2051335 | 23276 | 81808 | 205699 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dichlorofluoromethane | FB | Ave | +++++<br>2054678 | 13012<br>4910096 | 59531 | 214119 | 526038 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Trichlorofluoromethane | FB | Ave | +++++<br>1555275 | 8715<br>3945917 | 42559 | 150492 | 373746 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Pentane | TBAd9 | Ave | +++++<br>339122 | 1866<br>898064 | 8644 | 32453 | 78720 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| Ethyl ether | FB | Ave | +++++<br>713472 | 3552<br>1741336 | 19647 | 71507 | 176612 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Methyl-1,3-butadiene | FB | Ave | +++++<br>825924 | 4751<br>2058088 | 21415 | 81836 | 203078 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethanol | TBAd9 | QuaF | +++++<br>97051 | 598<br>191591 | 2428 | 7230 | 15993 | +++++<br>8000 | 40.0<br>20000 | 200 | 800 | 2000 |
| 1,2-Dichloro-1,1,2-trifluoroethane | FB | Ave | +++++<br>739007 | 4458<br>1955979 | 20636 | 78404 | 196761 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acrolein | TBAd9 | Ave | +++++<br>84033 | 2352<br>189962 | 7951 | 15127 | 40302 | +++++<br>200 | 4.00<br>400 | 20.0 | 40.0 | 100 |

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | FB | Ave | +++++<br>857644 | 4601<br>2365245 | 25026 | 93550 | 231164 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloroethene | FB | Ave | +++++<br>833928 | 4687<br>2236606 | 22157 | 83850 | 214842 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acetone | BUT | Qua2 | +++++<br>1004464 | 9981<br>2398063 | 29237 | 97832 | 247290 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Iodomethane | FB | Ave | +++++<br>1509898 | 8421<br>3854064 | 38849 | 150106 | 371827 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Carbon disulfide | FB | Ave | +++++<br>3270727 | 18498<br>8254275 | 89321 | 337699 | 835179 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropyl alcohol | TBAd9 | Ave | +++++<br>369251 | 1930<br>810550 | 8662 | 27394 | 87444 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Allyl chloride | FB | Ave | +++++<br>1766915 | 9925<br>4463433 | 47422 | 181735 | 447413 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methyl acetate | FB | Ave | +++++<br>1097855 | 5799<br>2625434 | 29506 | 104096 | 261514 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| Cyclopentene | FB | Ave | +++++<br>2248059 | 11690<br>5569038 | 57891 | 222881 | 557525 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acetonitrile | TBAd9 | Qua2 | +++++<br>885271 | 2301<br>2104313 | 18949 | 85423 | 236800 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Methylene Chloride | FB | Ave | +++++<br>1001523 | 5715<br>2558755 | 28149 | 102929 | 255775 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Methyl-2-propanol | TBAd9 | Ave | +++++<br>661419 | 3777<br>1492976 | 16993 | 57392 | 156668 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Methyl tert-butyl ether | FB | Ave | +++++<br>2598832 | 13357<br>6301119 | 68197 | 259092 | 659177 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| trans-1,2-Dichloroethene | FB | Ave | +++++<br>898589 | 5612<br>2292263 | 26004 | 92502 | 236090 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Acrylonitrile | FB | Ave | 4521<br>3091407 | 15556<br>7228534 | 83263 | 301210 | 772231 | 2.00<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Hexane | FB | Ave | +++++<br>756915 | 4989<br>1993226 | 22131 | 82974 | 207924 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropyl ether | FB | Ave | +++++<br>3147778 | 17754<br>7471872 | 85787 | 319767 | 809587 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloroethane | FB | Ave | +++++<br>1649314 | 9776<br>4099167 | 46863 | 178432 | 431972 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Vinyl acetate | FB | Ave | +++++<br>348460 | 1481<br>930842 | 7865 | 33510 | 82549 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| 2-Chloro-1,3-butadiene | FB | Ave | +++++<br>833500 | 4235<br>1993825 | 21478 | 79642 | 211002 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Tert-butyl ethyl ether | FB | Ave | +++++<br>2967966 | 16471<br>7011647 | 76707 | 293839 | 749441 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 2,2-Dichloropropane | FB | Ave | +++++<br>335479 | 1853<br>872801 | 9546 | 34208 | 85261 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| cis-1,2-Dichloroethene | FB | Ave | +++++<br>1022516 | 5939<br>2564002 | 27417 | 105442 | 266315 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethyl acetate | BUT | Ave | +++++<br>167988 | 557<br>427842 | 4013 | 15568 | 39472 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| 2-Butanone | BUT | Ave | +++++<br>422936 | 1814<br>1038642 | 9869 | 36705 | 98992 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Methyl acrylate | CBNZ d5 | Ave | +++++<br>691628 | 3198<br>1709783 | 16350 | 58370 | 156804 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Propionitrile | TBAd 9 | Ave | +++++<br>1079267 | 4646<br>2515814 | 25216 | 92810 | 255647 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Chlorobromomethane | FB | Ave | +++++<br>466457 | 2486<br>1161859 | 12993 | 47240 | 119657 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Tetrahydrofuran | BUT | Ave | +++++<br>194418 | 1051<br>489986 | 4987 | 16055 | 46445 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| Methacrylonitrile | FB | Ave | +++++<br>3296913 | 15958<br>7865981 | 78570 | 313305 | 792048 | +++++<br>2000 | 10.0<br>5000 | 50.0 | 200 | 500 |
| Chloroform | FB | Ave | +++++<br>1527896 | 8615<br>3824440 | 43498 | 162773 | 396837 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Cyclohexane | FB | Ave | +++++<br>1379206 | 6340<br>3728822 | 37353 | 144770 | 366125 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,1-Trichloroethane | FB | Ave | +++++<br>1360442 | 7845<br>3523228 | 36589 | 140841 | 350816 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Carbon tetrachloride | FB | Ave | +++++<br>1111812 | 6049<br>2941542 | 29201 | 111676 | 285281 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1-Dichloropropene | FB | Ave | +++++<br>1225536 | 6796<br>3150346 | 33028 | 126286 | 320224 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isobutyl alcohol | TBAd 9 | Ave | +++++<br>1234211 | 5057<br>3042128 | 25214 | 100821 | 274244 | +++++<br>5000 | 25.0<br>12500 | 125 | 500 | 1250 |
| Benzene | CBNZ d5 | Ave | +++++<br>3646795 | 20068<br>8818598 | 99595 | 378715 | 947836 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropyl acetate | FB | Ave | +++++<br>2584944 | 12701<br>6230911 | 63015 | 233304 | 606451 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Tert-amyl methyl ether | FB | Ave | +++++<br>3095777 | 15186<br>7419954 | 79588 | 296768 | 753601 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichloroethane | FB | Ave | +++++<br>1165613 | 6776<br>2926892 | 32161 | 114589 | 290583 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Heptane | FB | Ave | +++++<br>660440 | 3295<br>1746639 | 18218 | 71165 | 174567 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Butanol | TBAd 9 | Qua2 | +++++<br>336269 | 258<br>804371 | 4108 | 17781 | 62801 | +++++<br>5000 | 25.0<br>12500 | 125 | 500 | 1250 |

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

Lab Name: TestAmerica Edison Job No.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Trichloroethene | FB | Ave | +++++<br>912859 | 5180<br>2329487 | 25096 | 90379 | 231237 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethyl acrylate | FB | Ave | +++++<br>2151499 | 9716<br>5881967 | 51313 | 204598 | 535081 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methylcyclohexane | FB | Ave | +++++<br>1569356 | 8161<br>4262026 | 42609 | 165817 | 416832 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichloropropane | FB | Ave | +++++<br>978165 | 5292<br>2449192 | 24966 | 94898 | 242057 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Methyl methacrylate | FB | Ave | +++++<br>418733 | 1689<br>1068899 | 8439 | 35997 | 98978 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| n-Propyl acetate | FB | Ave | +++++<br>1077533 | 4476<br>2657483 | 21245 | 91111 | 242383 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dibromomethane | FB | Ave | +++++<br>534624 | 3071<br>1366990 | 14306 | 53594 | 132719 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,4-Dioxane | DXE | QuaF | +++++<br>86166 | 1077<br>177620 | 3002 | 6680 | 19253 | +++++<br>4000 | 50.0<br>10000 | 100 | 400 | 1000 |
| Bromodichloromethane | FB | Ave | +++++<br>1252062 | 6205<br>3160813 | 30996 | 117374 | 303140 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Chloroethyl vinyl ether | FB | Ave | +++++<br>545526 | 2442<br>1306411 | 10555 | 44598 | 120560 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Nitropropane | FB | Qua2 | +++++<br>380057 | 2775<br>974287 | 10221 | 32296 | 83029 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 | 100 |
| Epichlorohydrin | BUT | Ave | 1768<br>1452825 | 5867<br>3418024 | 32523 | 118976 | 330354 | 5.00<br>4000 | 20.0<br>10000 | 100 | 400 | 1000 |
| cis-1,3-Dichloropropene | CBNZ d5 | Ave | +++++<br>1501754 | 6901<br>3812855 | 33807 | 134648 | 348556 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Methyl-2-pentanone | BUT | Ave | +++++<br>3943948 | 15527<br>8981202 | 85758 | 353446 | 945885 | +++++<br>1000 | 5.00<br>2500 | 25.0 | 100 | 250 |
| Toluene | CBNZ d5 | Ave | +++++<br>3800215 | 20258<br>9038290 | 97190 | 378293 | 952842 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| trans-1,3-Dichloropropene | CBNZ d5 | Ave | +++++<br>1261396 | 5411<br>3287222 | 28576 | 108977 | 286351 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethyl methacrylate | CBNZ d5 | Ave | +++++<br>1132220 | 3949<br>2817405 | 22489 | 95125 | 256546 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,2-Trichloroethane | CBNZ d5 | Ave | +++++<br>646363 | 3341<br>1671890 | 16805 | 62280 | 157571 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Tetrachloroethene | CBNZ d5 | Ave | +++++<br>884689 | 4865<br>2295526 | 22210 | 88247 | 223240 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3-Dichloropropane | CBNZ d5 | Ave | +++++<br>1293837 | 5857<br>3273395 | 30138 | 115453 | 302610 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Hexanone | BUT | Qua2 | +++++<br>2294667 | 5567<br>5514769 | 45127 | 184222 | 513244 | +++++<br>1000 | 5.00<br>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.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| n-Butyl acetate | CBNZ d5 | Ave | +++++<br>1281103 | 5277<br>3024202 | 29094 | 110679 | 301321 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Dibromochloromethane | CBNZ d5 | Ave | +++++<br>844759 | 3752<br>2171924 | 19099 | 75779 | 198562 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethylene Dibromide | CBNZ d5 | Ave | +++++<br>722746 | 3019<br>1833696 | 17636 | 64915 | 164986 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Chlorobenzene | CBNZ d5 | Ave | +++++<br>2365072 | 11385<br>5945689 | 58672 | 222658 | 573377 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Ethylbenzene | CBNZ d5 | Ave | +++++<br>1361207 | 7024<br>3507316 | 34596 | 132132 | 337079 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,1,2-Tetrachloroethane | CBNZ d5 | Ave | +++++<br>904117 | 4481<br>2286081 | 21117 | 85765 | 219570 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| m-Xylene & p-Xylene | CBNZ d5 | Ave | +++++<br>1691182 | 7468<br>4276435 | 40305 | 162501 | 417158 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Butyl acrylate | CBNZ d5 | Ave | +++++<br>705309 | 3496<br>1735420 | 14870 | 58810 | 161856 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| o-Xylene | CBNZ d5 | Ave | +++++<br>1724412 | 8133<br>4248287 | 41972 | 166858 | 431751 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Styrene | CBNZ d5 | Ave | +++++<br>2698318 | 10671<br>6583318 | 63443 | 256992 | 661552 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Amyl acetate (mixed isomers) | DCBd 4 | Qua2 | +++++<br>1587572 | 4498<br>3809539 | 30329 | 133240 | 364053 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromoform | CBNZ d5 | Ave | +++++<br>513343 | 2201<br>1311782 | 12087 | 46072 | 121865 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Isopropylbenzene | CBNZ d5 | Ave | +++++<br>4213782 | 21157<br>9127834 | 107580 | 435331 | 1116785 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Bromobenzene | DCBd 4 | Ave | +++++<br>998221 | 5069<br>2517666 | 26183 | 99700 | 256290 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,1,2,2-Tetrachloroethane | DCBd 4 | Ave | +++++<br>981086 | 5201<br>2373469 | 27118 | 93127 | 240433 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| N-Propylbenzene | DCBd 4 | Ave | +++++<br>4744071 | 26566<br>9805805 | 131352 | 515435 | 1285093 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trichloropropane | DCBd 4 | Ave | +++++<br>272701 | 1335<br>653587 | 7092 | 27316 | 65175 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| trans-1,4-Dichloro-2-butene | DCBd 4 | Ave | +++++<br>254387 | 1347<br>645910 | 5929 | 23208 | 60256 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 2-Chlorotoluene | DCBd 4 | Ave | +++++<br>3512386 | 17320<br>7795191 | 90565 | 353064 | 892206 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Ethyltoluene | DCBd 4 | Ave | +++++<br>4209590 | 20862<br>8813522 | 104764 | 427649 | 1074113 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3,5-Trimethylbenzene | DCBd 4 | Ave | +++++<br>3604513 | 18270<br>7806794 | 94400 | 373809 | 938853 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chlorotoluene | DCBd 4 | Ave | +++++<br>2999148 | 16134<br>7024727 | 82847 | 309087 | 784330 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Butyl Methacrylate | DCBd 4 | Qua2 | +++++<br>1399515 | 3822<br>3390548 | 27817 | 116941 | 326053 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| tert-Butylbenzene | DCBd 4 | Ave | +++++<br>2964115 | 13638<br>6753516 | 69529 | 291339 | 749210 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4-Trimethylbenzene | DCBd 4 | Ave | +++++<br>3670846 | 18386<br>7713715 | 95308 | 382464 | 957191 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| sec-Butylbenzene | DCBd 4 | Ave | +++++<br>4332155 | 21826<br>8861164 | 113201 | 459545 | 1171472 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 4-Isopropyltoluene | DCBd 4 | Ave | +++++<br>3795805 | 18304<br>7825492 | 95560 | 386566 | 995738 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1939009 | 10885<br>4514374 | 51534 | 198543 | 501287 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,4-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1942231 | 10945<br>4590046 | 53375 | 201846 | 510785 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trimethylbenzene | DCBd 4 | Ave | +++++<br>3949110 | 19925<br>7890902 | 100899 | 394281 | 1005697 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Benzyl chloride | DCBd 4 | Ave | +++++<br>2058249 | 8516<br>4585450 | 45273 | 191218 | 501836 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Indan | DCBd 4 | Ave | +++++<br>3736568 | 20230<br>7419109 | 99979 | 383617 | 972120 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| p-Diethylbenzene | DCBd 4 | Ave | +++++<br>2200018 | 11929<br>4969801 | 54562 | 219034 | 566987 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| n-Butylbenzene | DCBd 4 | Ave | +++++<br>2003282 | 10214<br>4646971 | 52083 | 205224 | 525625 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dichlorobenzene | DCBd 4 | Ave | +++++<br>1918307 | 10586<br>4412407 | 52175 | 196840 | 502699 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4,5-Tetramethylbenzene | DCBd 4 | Ave | +++++<br>3693231 | 18996<br>7189354 | 91609 | 371152 | 943788 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | DCBd 4 | Qua2 | +++++<br>188042 | 1271<br>444463 | 4726 | 17499 | 43344 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,3,5-Trichlorobenzene | DCBd 4 | Ave | +++++<br>1498256 | 8002<br>3439518 | 40342 | 150364 | 384287 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,4-Trichlorobenzene | DCBd 4 | Ave | +++++<br>1364183 | 6133<br>3187144 | 33543 | 131250 | 340299 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Hexachlorobutadiene | DCBd 4 | Ave | +++++<br>595626 | 3302<br>1462094 | 15284 | 57849 | 151114 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| Naphthalene | DCBd 4 | Ave | +++++<br>3224490 | 15668<br>6716059 | 73332 | 280271 | 777126 | +++++<br>200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 |
| 1,2,3-Trichlorobenzene | DCBd 4 | Ave | +++++<br>1231356 | 6797<br>2843344 | 30460 | 113710 | 298154 | +++++<br>200 | 1.00<br>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.: 460-158398-1 Analy Batch No.: 525048

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2018 02:24 Calibration End Date: 06/05/2018 05:09 Calibration ID: 69272

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3 | LVL 4 | LVL 5 |
| Dibromofluoromethane (Surr) | FB | Ave | 90982<br>75486 | 80506<br>79001 | 81390 | 80780 | 77450 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 104222<br>105688 | 94842<br>114338 | 91436 | 90949 | 86699 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBNZ d5 | Ave | 344991<br>330101 | 303576<br>352122 | 303594 | 311994 | 322124 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |
| Bromofluorobenzene | CBNZ d5 | Ave | 98971<br>96175 | 85396<br>98638 | 89339 | 87576 | 88252 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 |

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Jun-2018 02:24:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0073199-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jun-2018 13:06:32 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: boykink Date: 05-Jun-2018 03:17:40

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 5 Butadiene | 54 | 1.821 | 1.820 | 0.001 | 66 | 2788 | 0.2500 | 0.2470 | |
| * 26 TBA-d9 (IS) | 65 | 3.193 | 3.201 | -0.008 | 0 | 129154 | 1000.0 | 1000.0 | |
| 31 Acrylonitrile | 53 | 3.464 | 3.447 | 0.017 | 80 | 4521 | 2.00 | 2.53 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.236 | 0.000 | 0 | 124151 | 250.0 | 250.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 96 | 90982 | 50.0 | 51.7 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.050 | 0.008 | 0 | 104222 | 50.0 | 48.8 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 356840 | 50.0 | 50.0 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.060 | 6.027 | 0.033 | 0 | 9497 | 1000.0 | 1000.0 | M |
| 75 Epichlorohydrin | 57 | 6.701 | 6.685 | 0.016 | 23 | 1768 | 5.00 | 4.85 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 99 | 344991 | 50.0 | 50.1 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 88 | 237127 | 50.0 | 50.0 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 88 | 98971 | 50.0 | 50.6 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 97 | 127151 | 50.0 | 50.0 | |

## QC Flag Legend

Review Flags
M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| 14DIOXINTER_00084 | Amount Added: | 0.00 | Units: uL | |
| GAS Hi_00257 | Amount Added: | 0.00 | Units: uL | |
| MIX I Hi_00094 | Amount Added: | 0.00 | Units: uL | |
| MIX 2 Hi_00071 | Amount Added: | 0.00 | Units: uL | |
| Ethanol mix_00016 | Amount Added: | 0.00 | Units: uL | |
| ACROLEIN W_00077 | Amount Added: | 0.00 | Units: uL | |
| ACRY/EPIH MIX_00050 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00262 | Amount Added: | 2.50 | Units: uL | |
| VOA6IS/SURR_00010 | Amount Added: | 5.00 | Units: uL | Run Reagent |

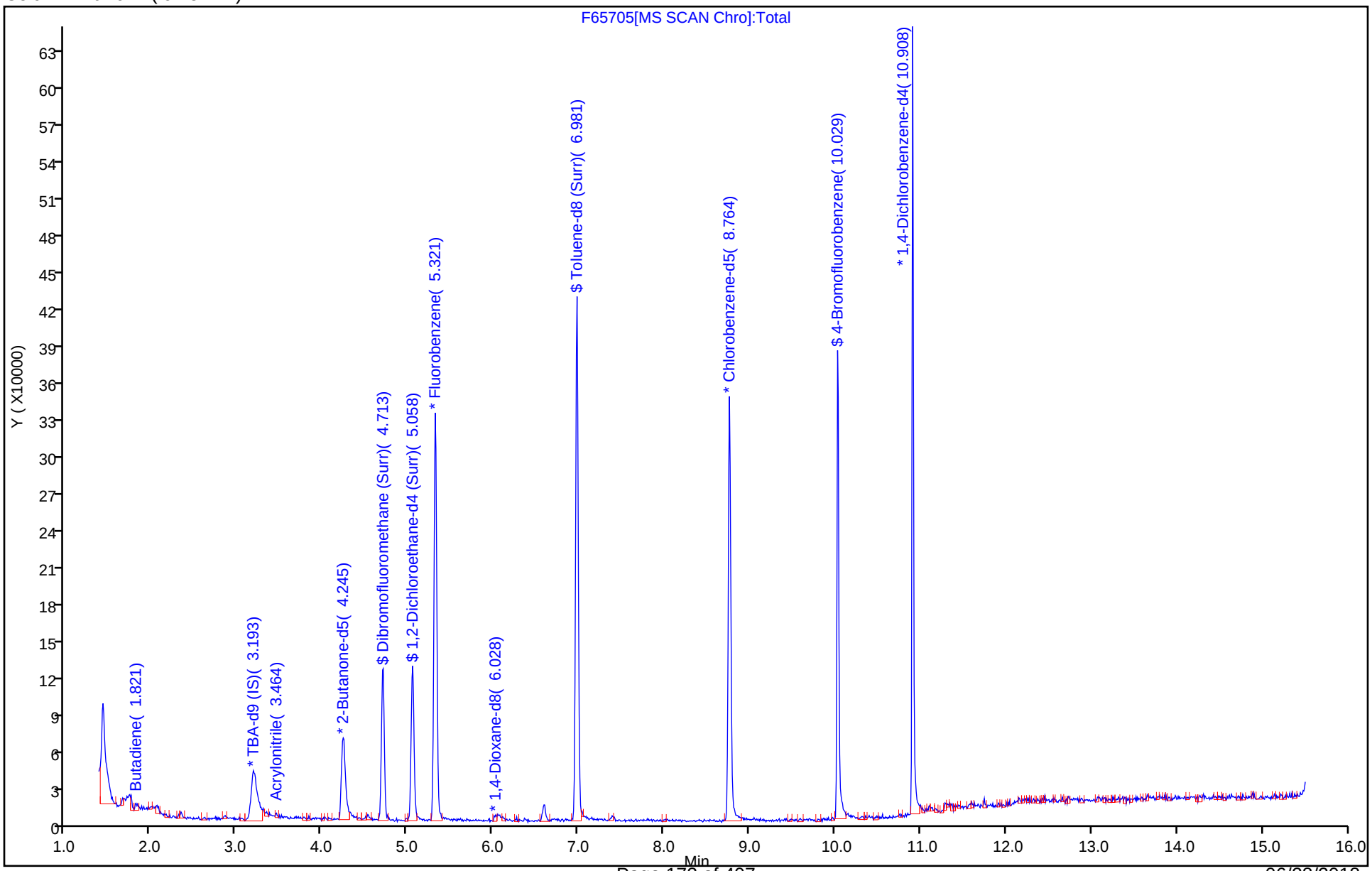
Report Date: 07-Jun-2018 13:06:39 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | STD8 | | | Worklist Smp#: | 3 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 2 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

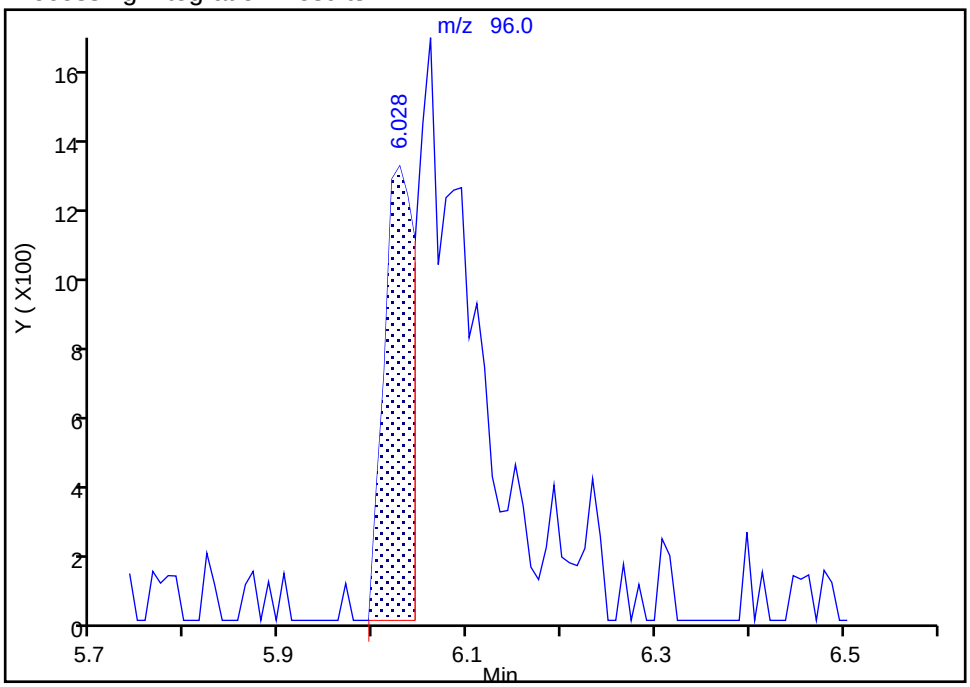
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## * 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

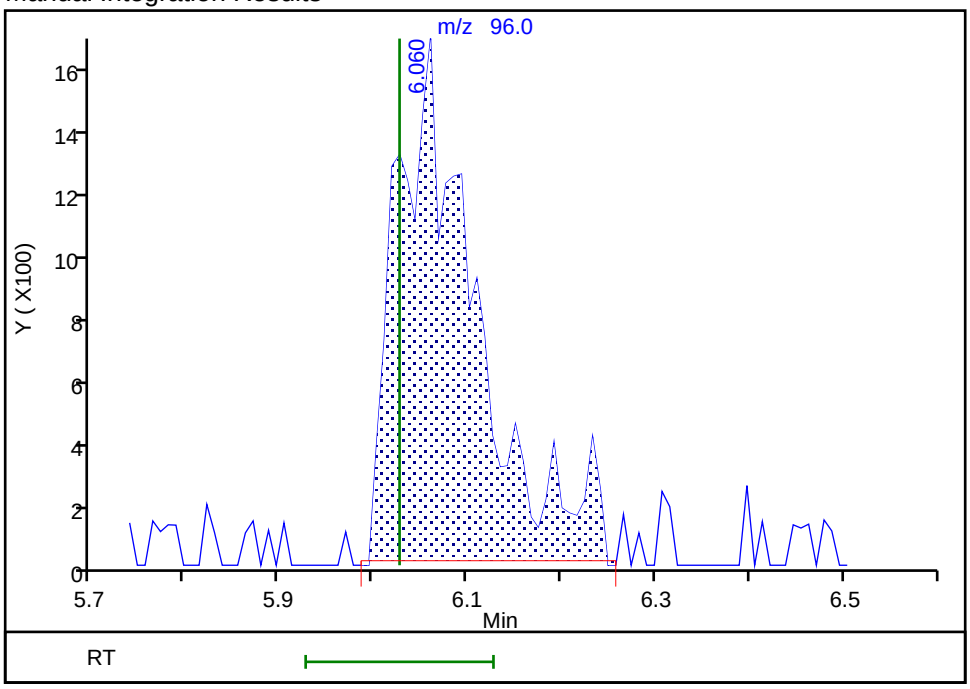
Processing Integration Results

RT: 6.03
Area: 2869
Amount: 1000.0000
Amount Units: ug/l




Manual Integration Results

RT: 6.06
Area: 9497
Amount: 1000.0000
Amount Units: ug/l




Reviewer: moroneyc, 05-Jun-2018 10:14:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

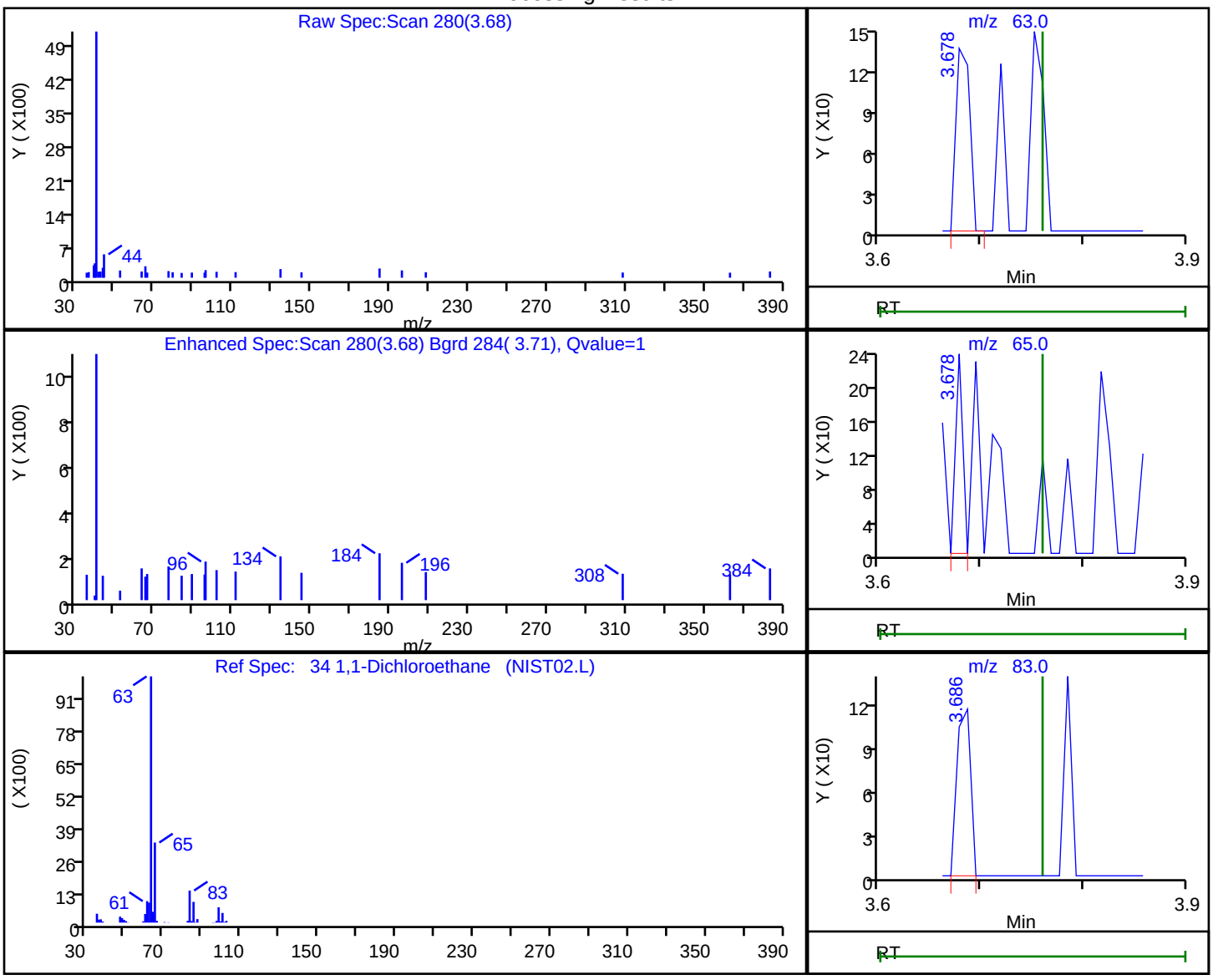
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.68 | 63.00 | 122 | 0.011689 |
| 3.68 | 65.00 | 117 | |
| 3.69 | 83.00 | 105 | |

Reviewer: boykink, 05-Jun-2018 05:33:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

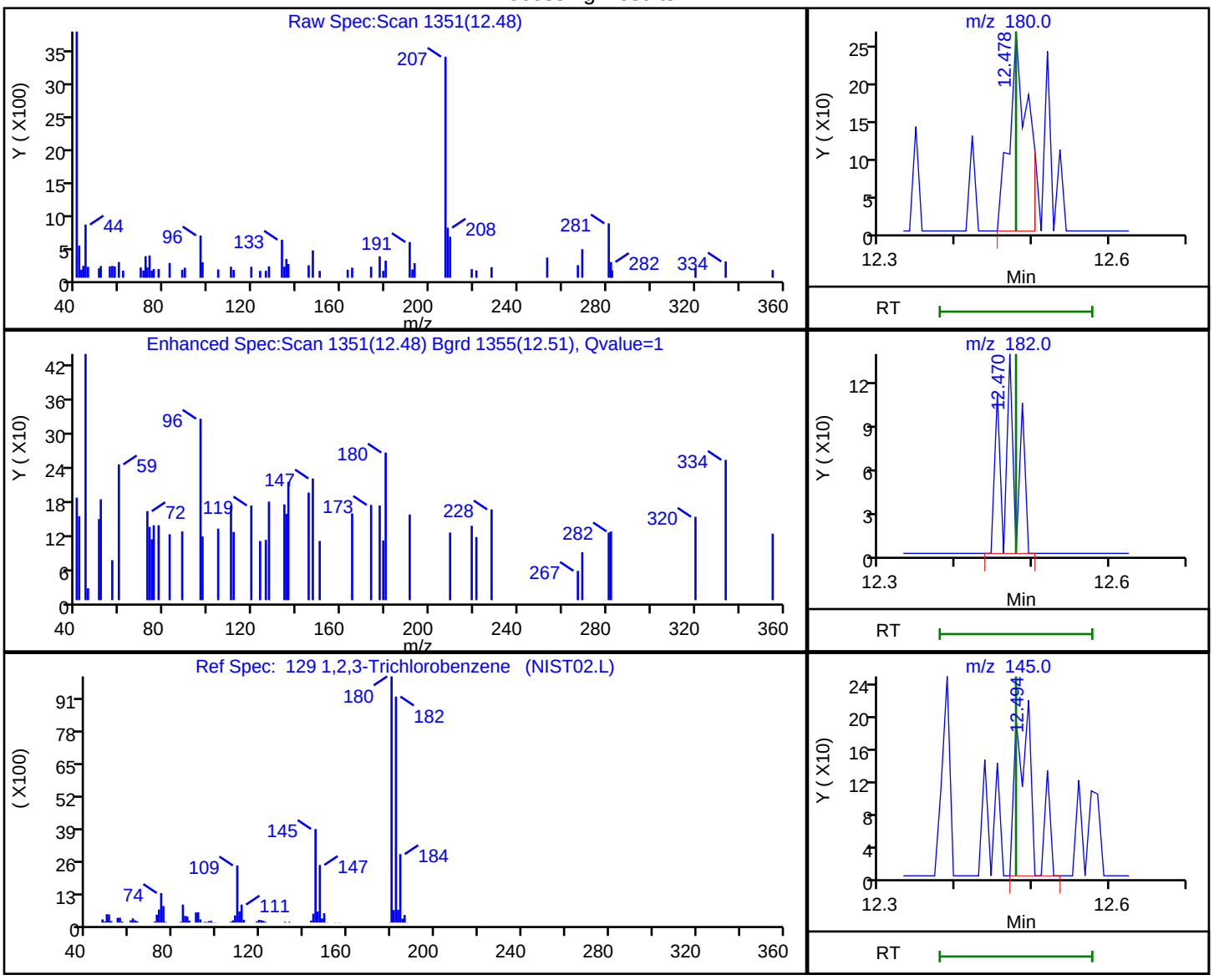
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 129 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 12.48 | 180.00 | 437 | 0.066208 |
| 12.47 | 182.00 | 169 | |
| 12.49 | 145.00 | 317 | |

Reviewer: boykink, 05-Jun-2018 05:33:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

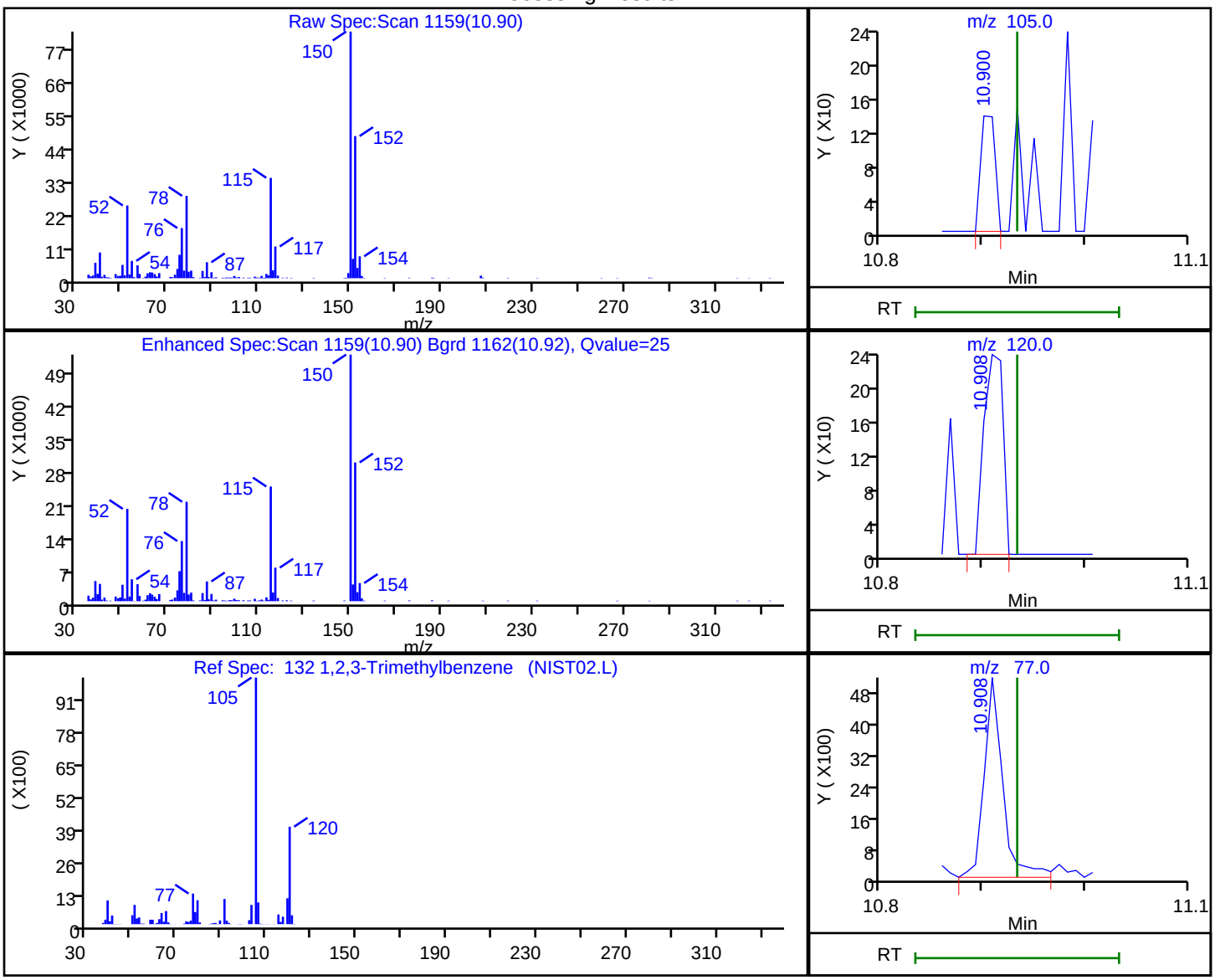
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | STD8 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 132 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.90 | 105.00 | 132 | 0.006266 |
| 10.91 | 120.00 | 302 | |
| 10.91 | 77.00 | 6525 | |

Reviewer: boykink, 05-Jun-2018 05:33:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

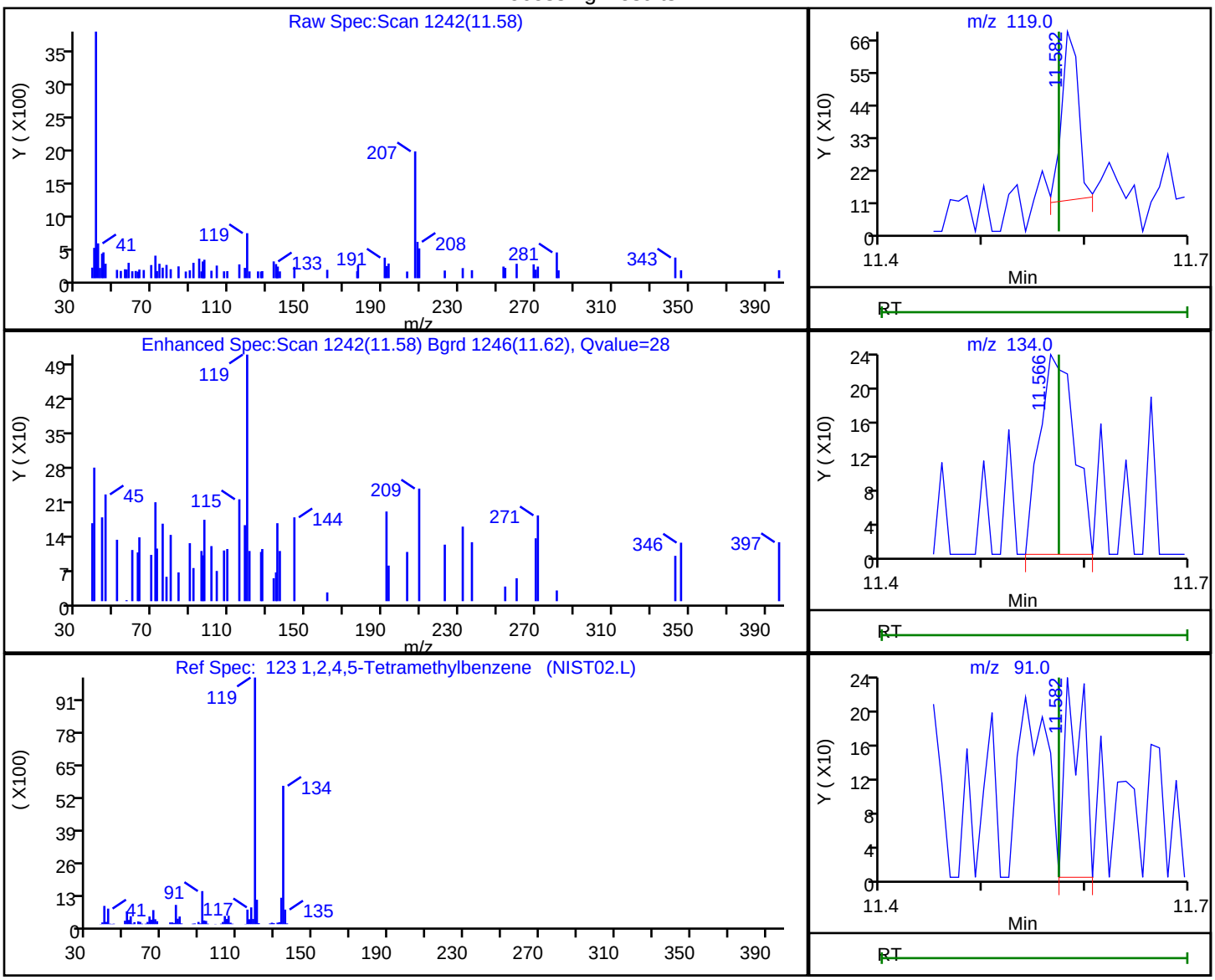
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 123 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.58 | 119.00 | 653 | 0.032964 |
| 11.57 | 134.00 | 562 | |
| 11.58 | 91.00 | 285 | |

Reviewer: boykink, 05-Jun-2018 05:33:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

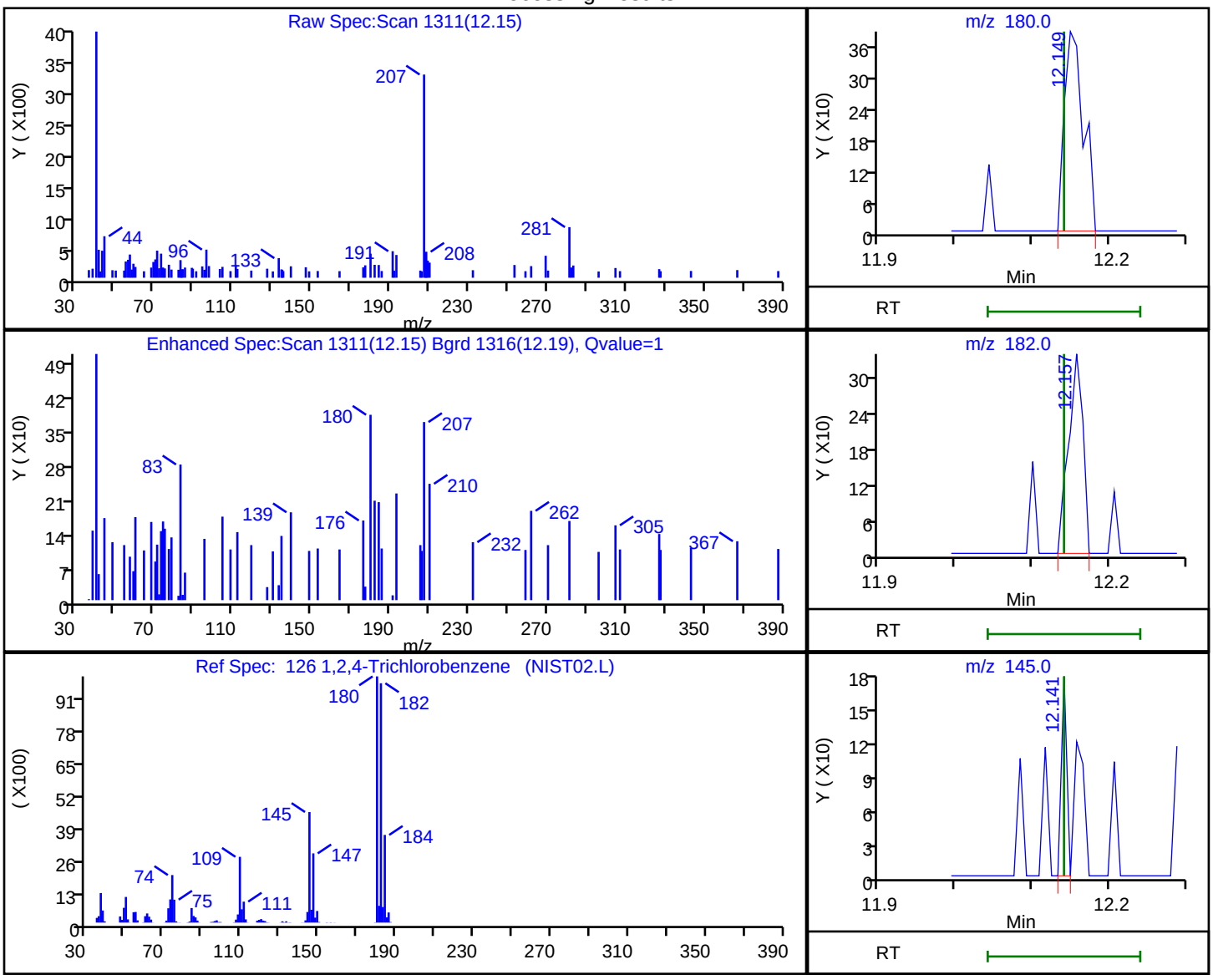
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 126 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 12.15 | 180.00 | 667 | 0.093009 |
| 12.16 | 182.00 | 444 | |
| 12.14 | 145.00 | 89 | |

Reviewer: boykink, 05-Jun-2018 05:33:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

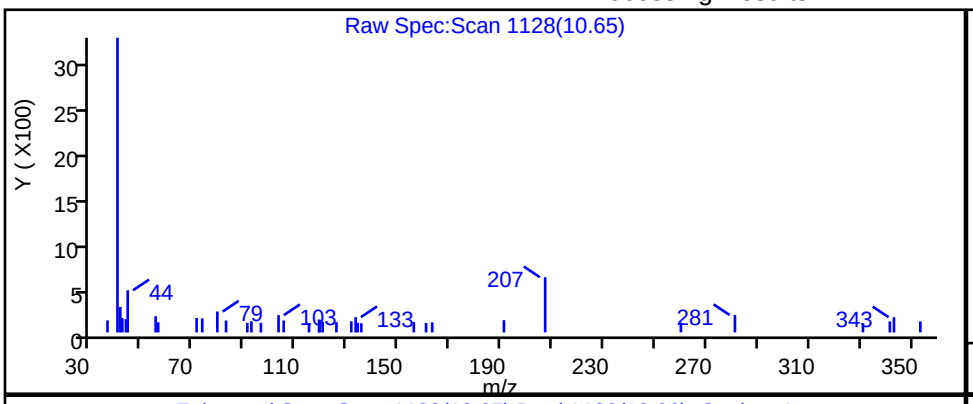
User Disabled Compound Report

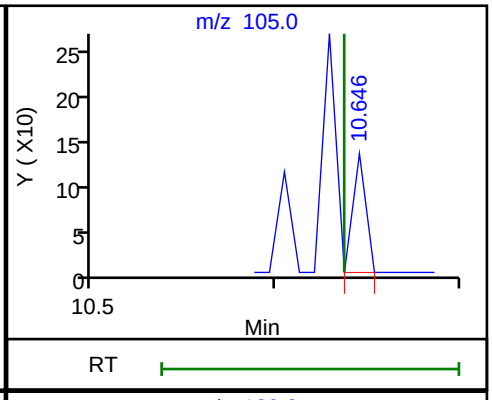
TestAmerica Edison

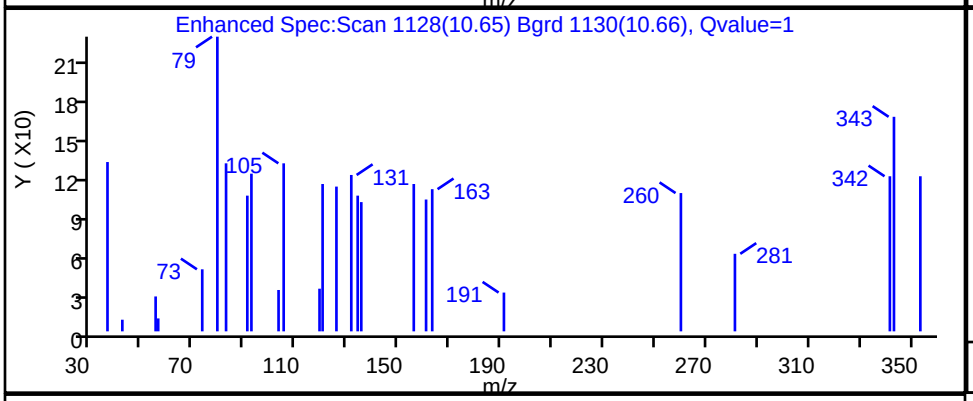
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

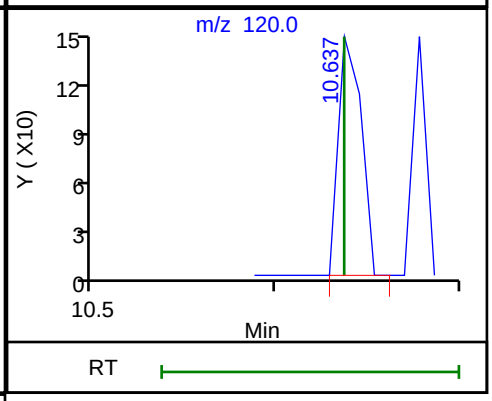
## 112 1,2,4-Trimethylbenzene, CAS: 95-63-6

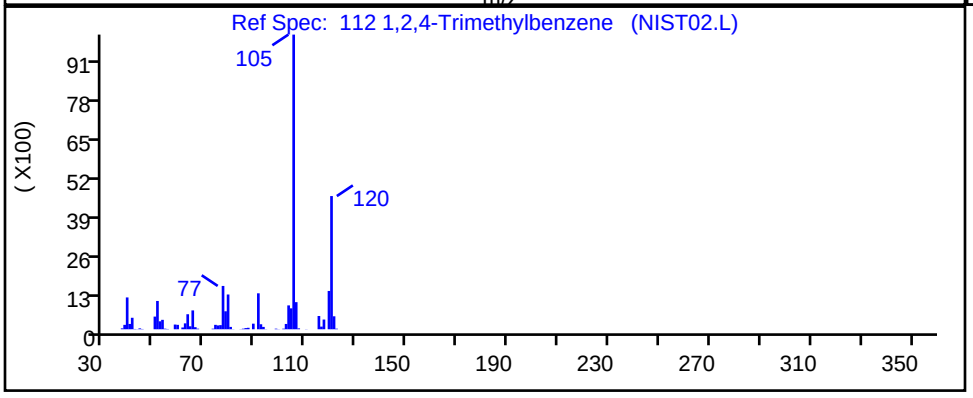
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.65 | 105.00 | 64 | 0.003242 |
| 10.64 | 120.00 | 130 | |

Reviewer: boykink, 05-Jun-2018 05:33:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

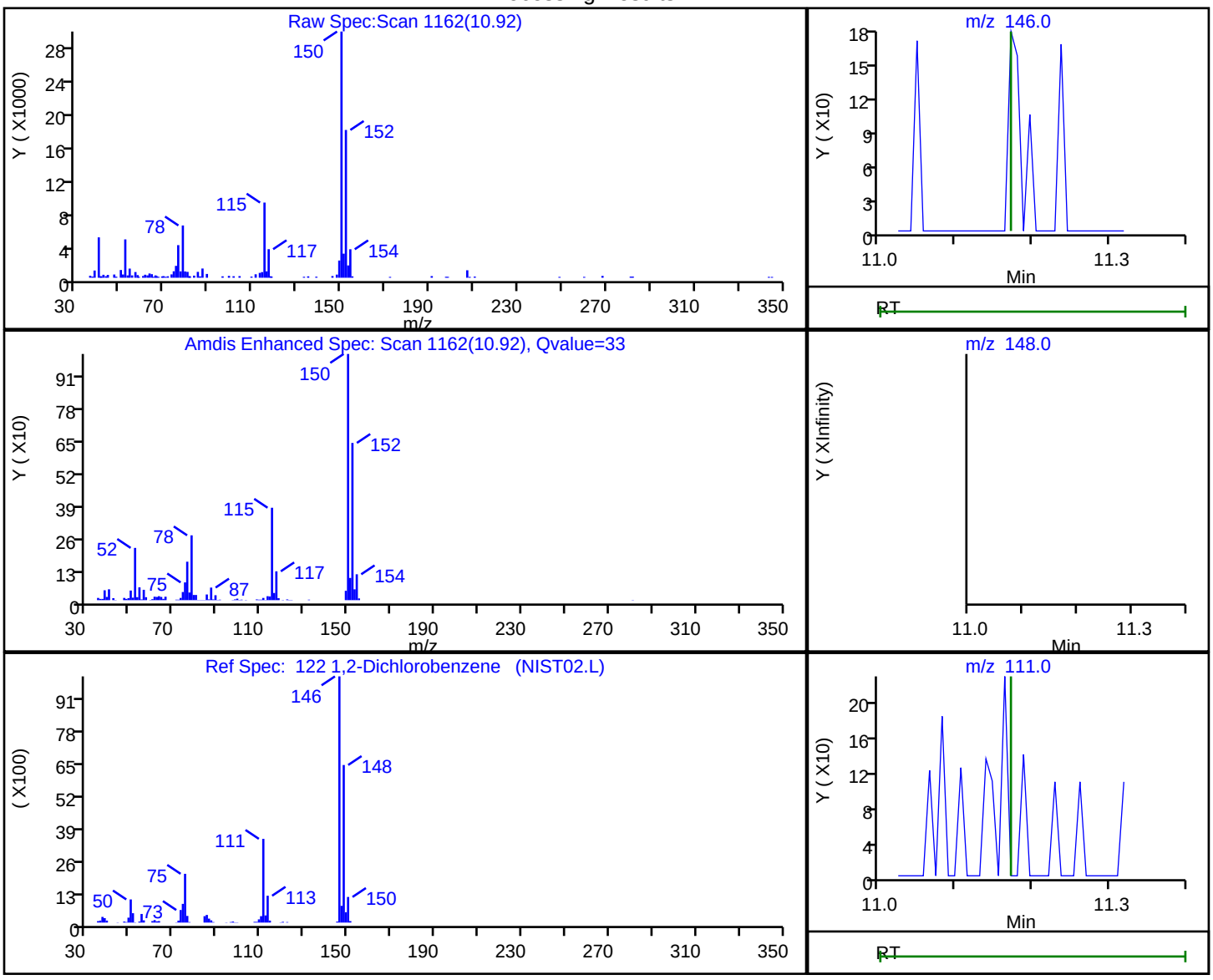
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 122 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.92 | 146.00 | 385 | 0.035587 |
| 10.92 | 148.00 | 187 | |
| 10.91 | 111.00 | 1812 | |

Reviewer: boykink, 05-Jun-2018 05:33:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

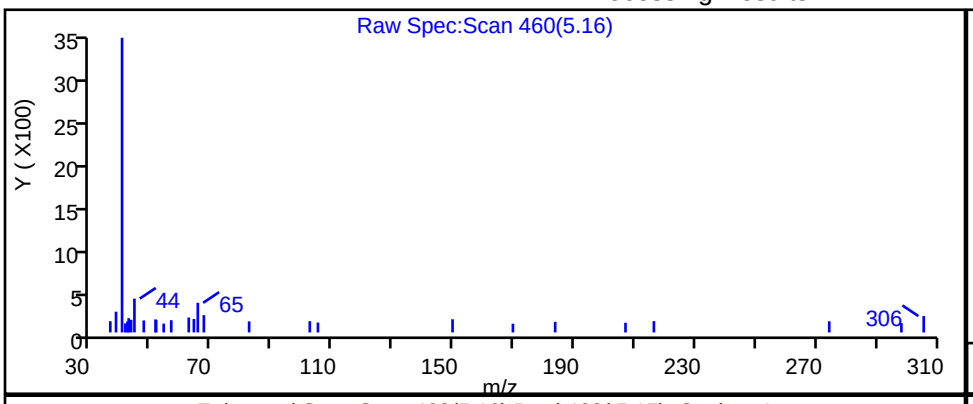
User Disabled Compound Report

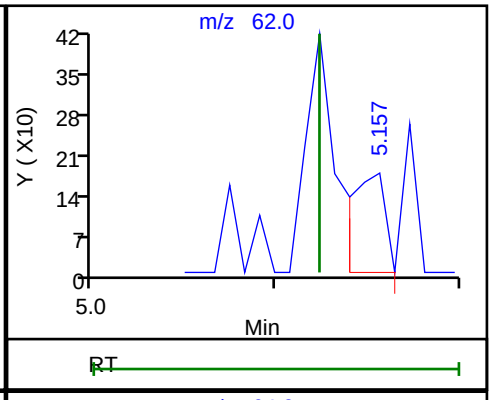
TestAmerica Edison

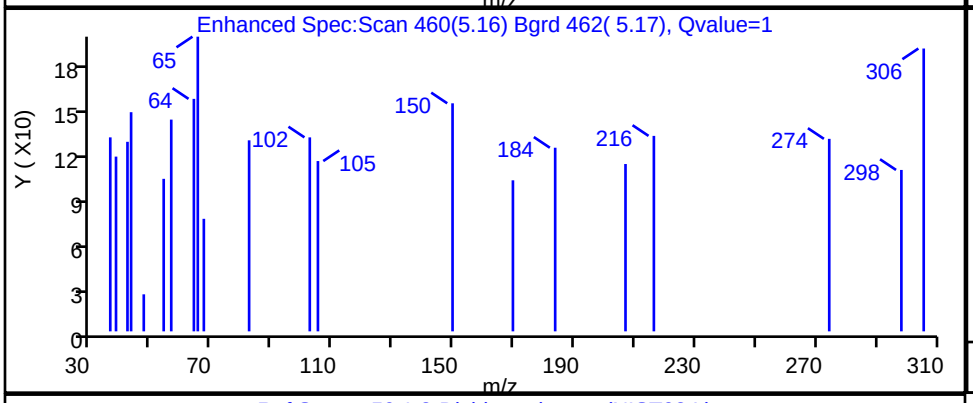
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

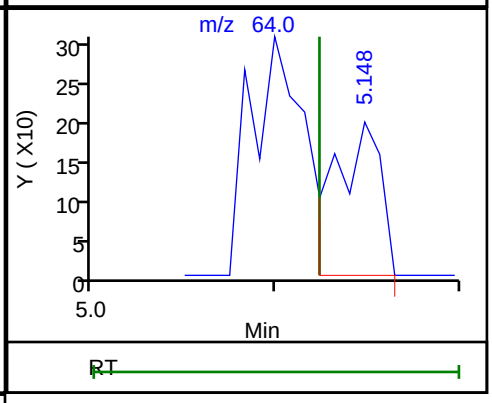
## 59 1,2-Dichloroethane, CAS: 107-06-2

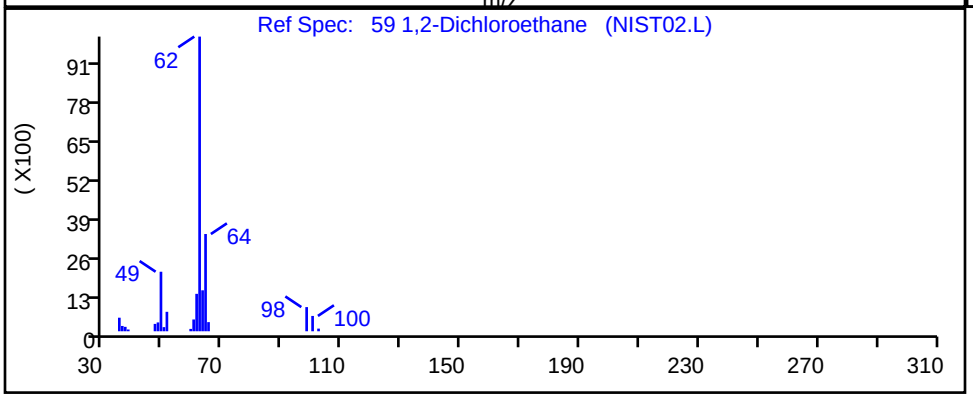
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.16 | 62.00 | 229 | 0.032046 |
| 5.15 | 64.00 | 356 | |

Reviewer: boykink, 05-Jun-2018 05:33:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

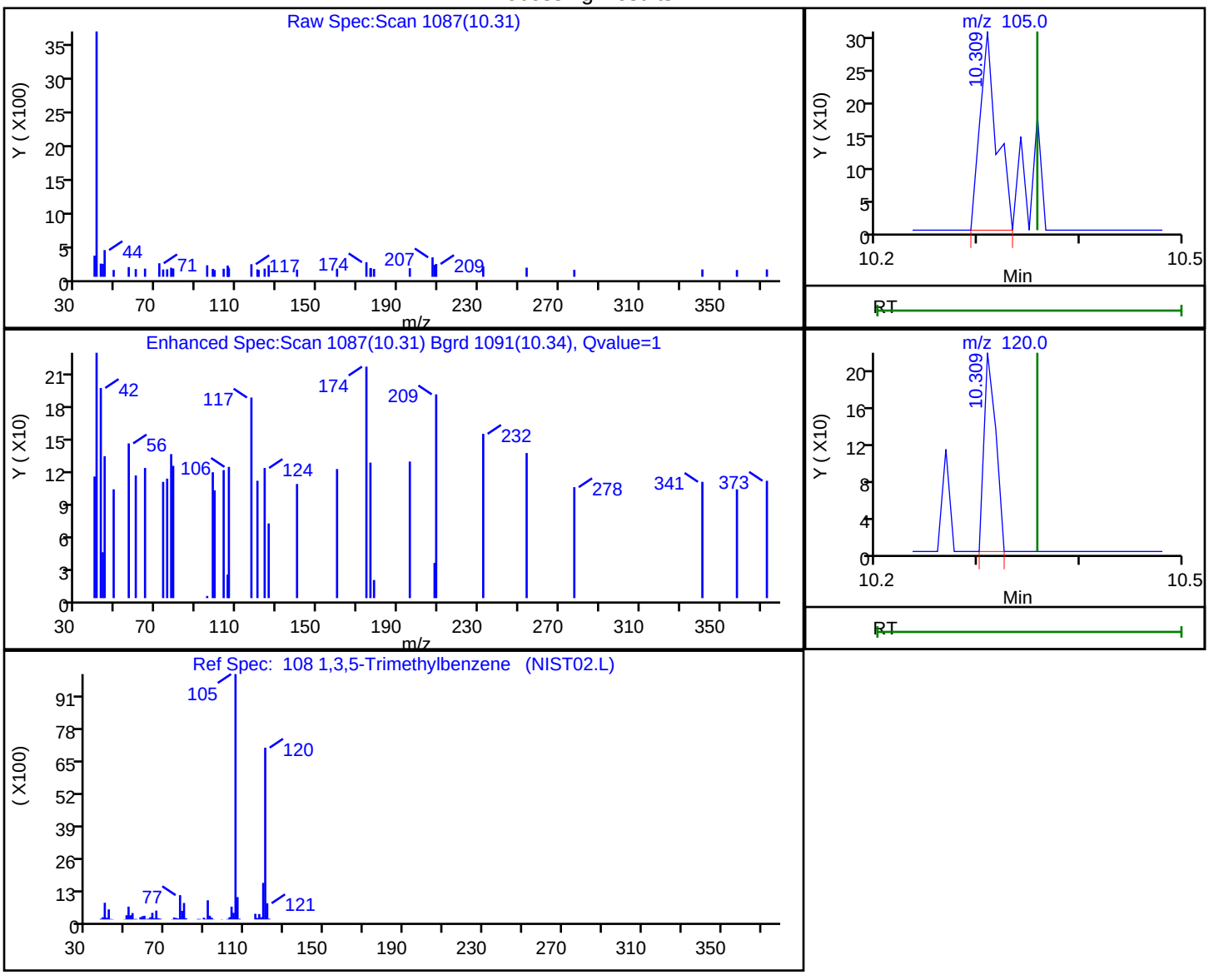
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 108 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.31 | 105.00 | 356 | 0.017978 |
| 10.31 | 120.00 | 169 | |

Reviewer: boykink, 05-Jun-2018 05:33:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

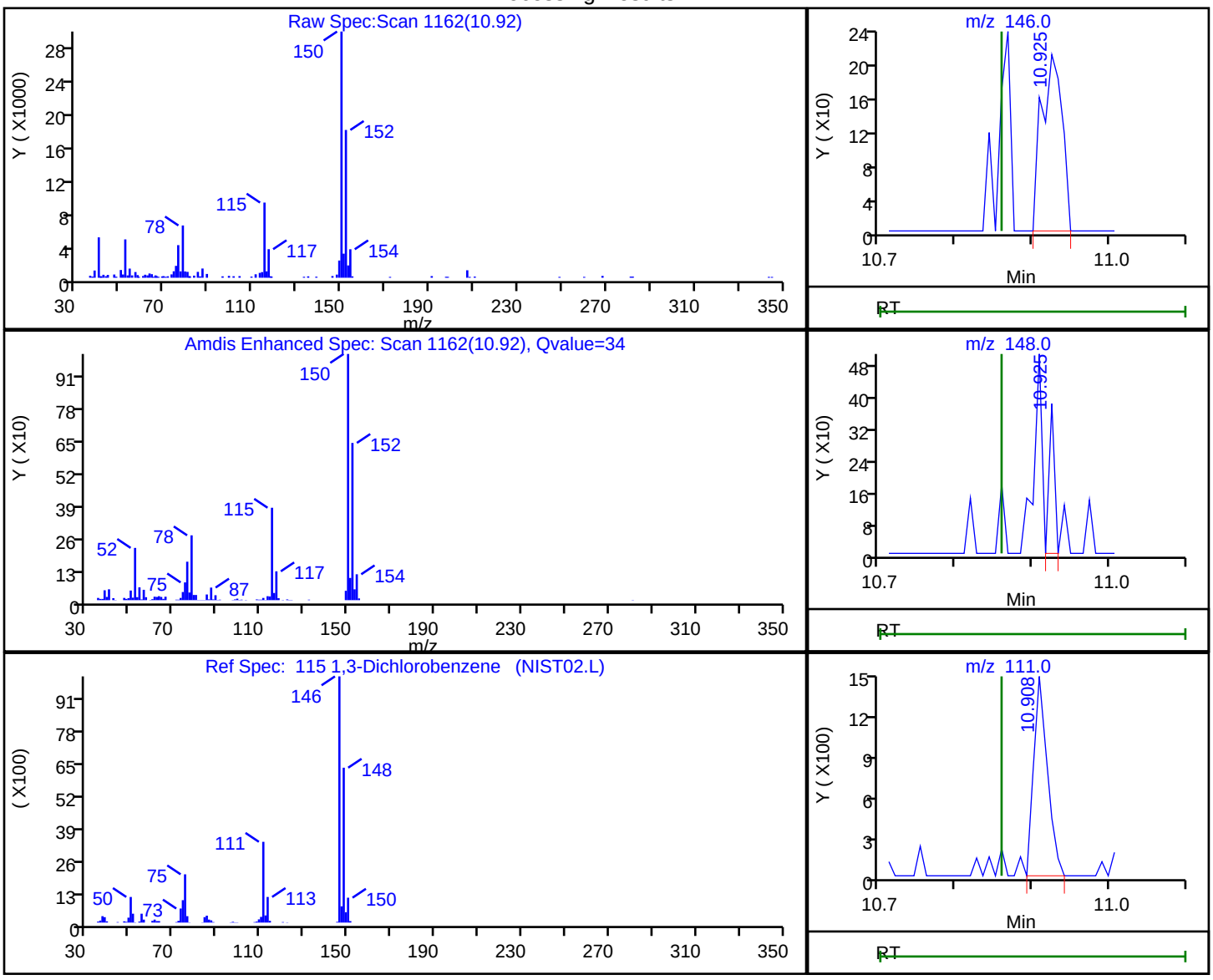
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | STD8 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 115 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.92 | 146.00 | 385 | 0.035121 |
| 10.92 | 148.00 | 187 | |
| 10.91 | 111.00 | 1812 | |

Reviewer: boykink, 05-Jun-2018 05:33:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

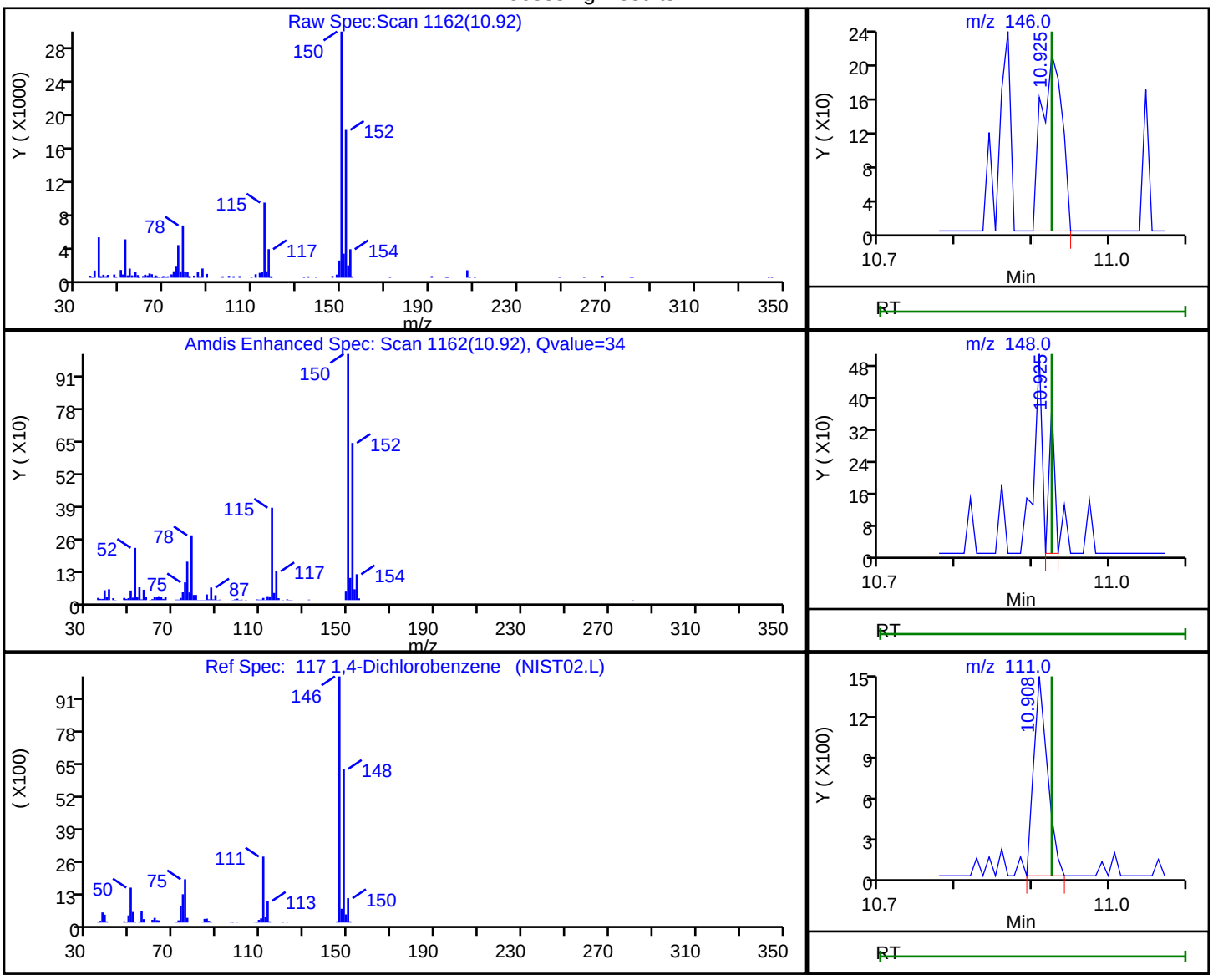
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 117 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.92 | 146.00 | 385 | 0.034418 |
| 10.92 | 148.00 | 187 | |
| 10.91 | 111.00 | 1812 | |

Reviewer: boykink, 05-Jun-2018 05:33:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

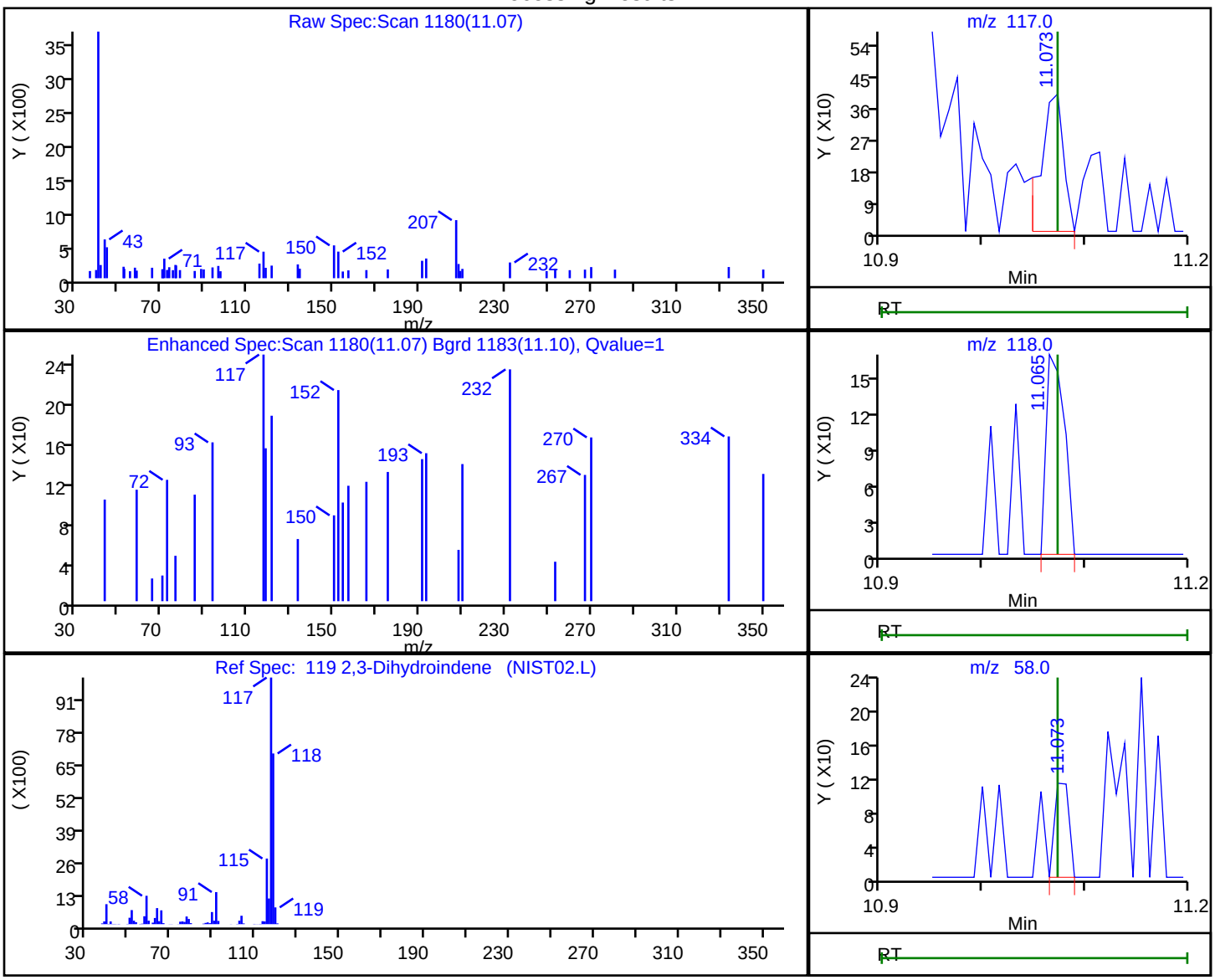
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | STD8 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 119 2,3-Dihydroindene, CAS: 496-11-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.07 | 117.00 | 606 | 0.029169 |
| 11.06 | 118.00 | 211 | |
| 11.07 | 58.00 | 111 | |

Reviewer: boykink, 05-Jun-2018 05:33:45

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

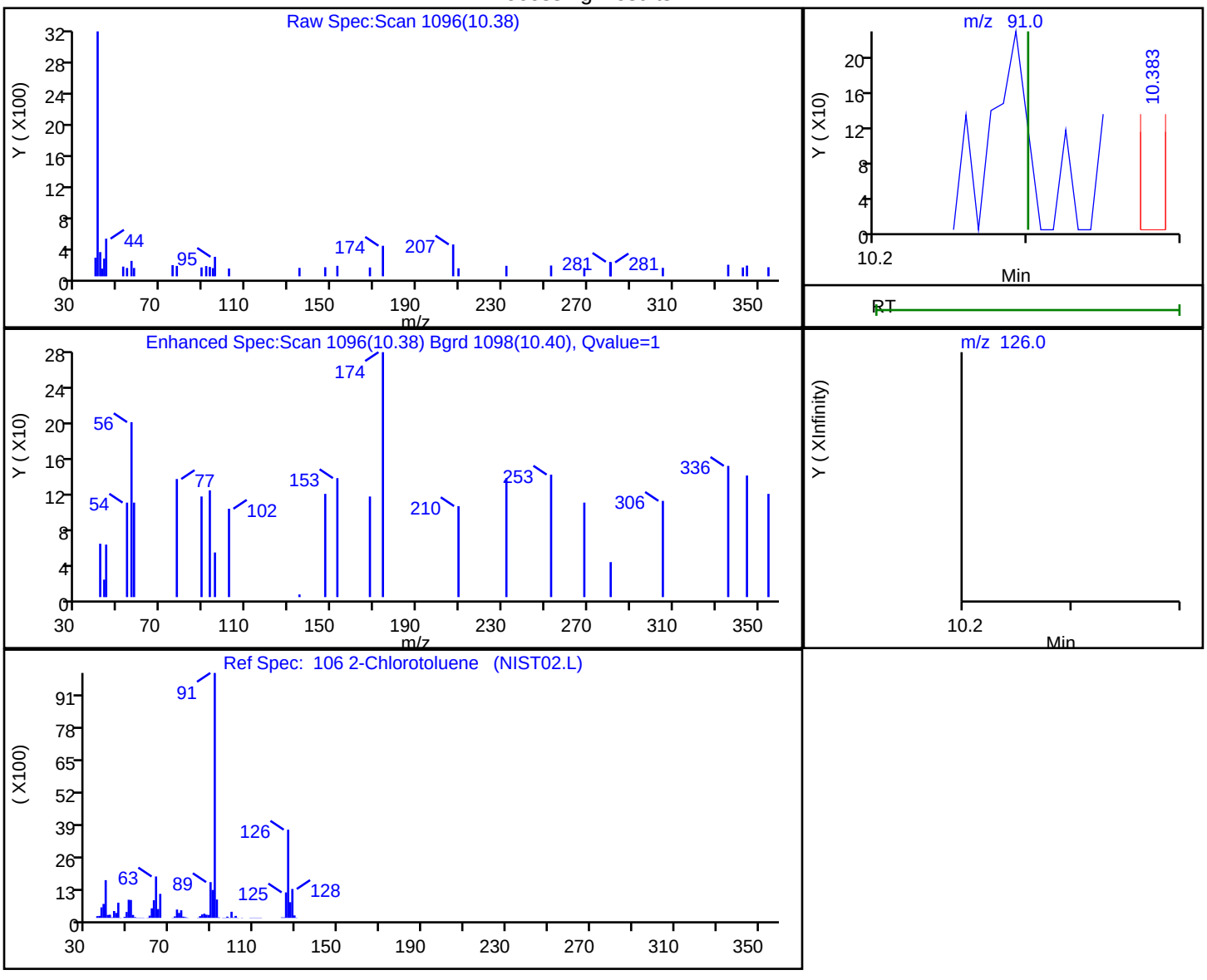
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 106 2-Chlorotoluene, CAS: 95-49-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.38 | 91.00 | 66 | 0.003433 |
| 10.39 | 126.00 | 95 | |

Reviewer: boykink, 05-Jun-2018 05:33:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

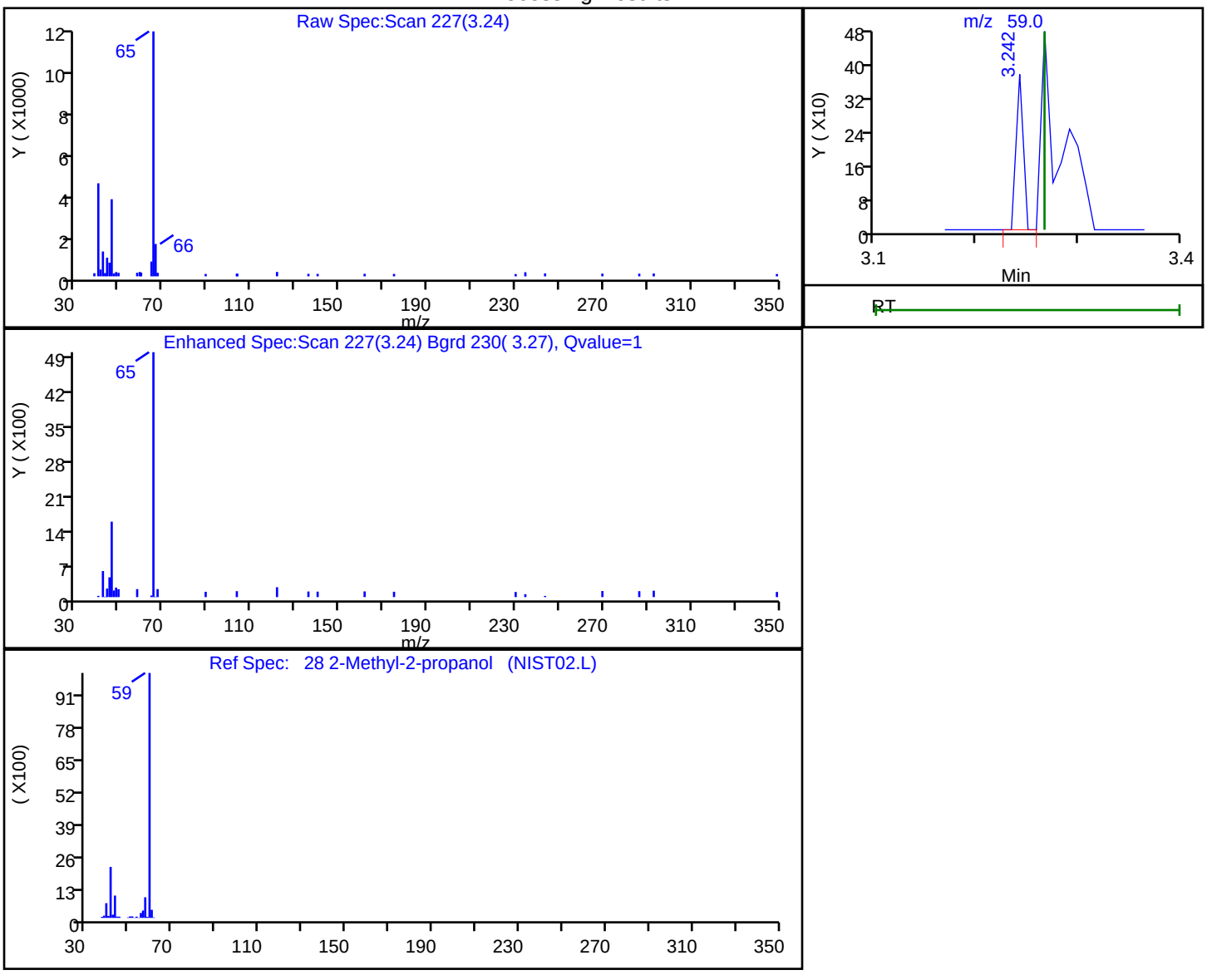
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.24 | 59.00 | 182 | 0.475592 |

Reviewer: boykink, 05-Jun-2018 05:33:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

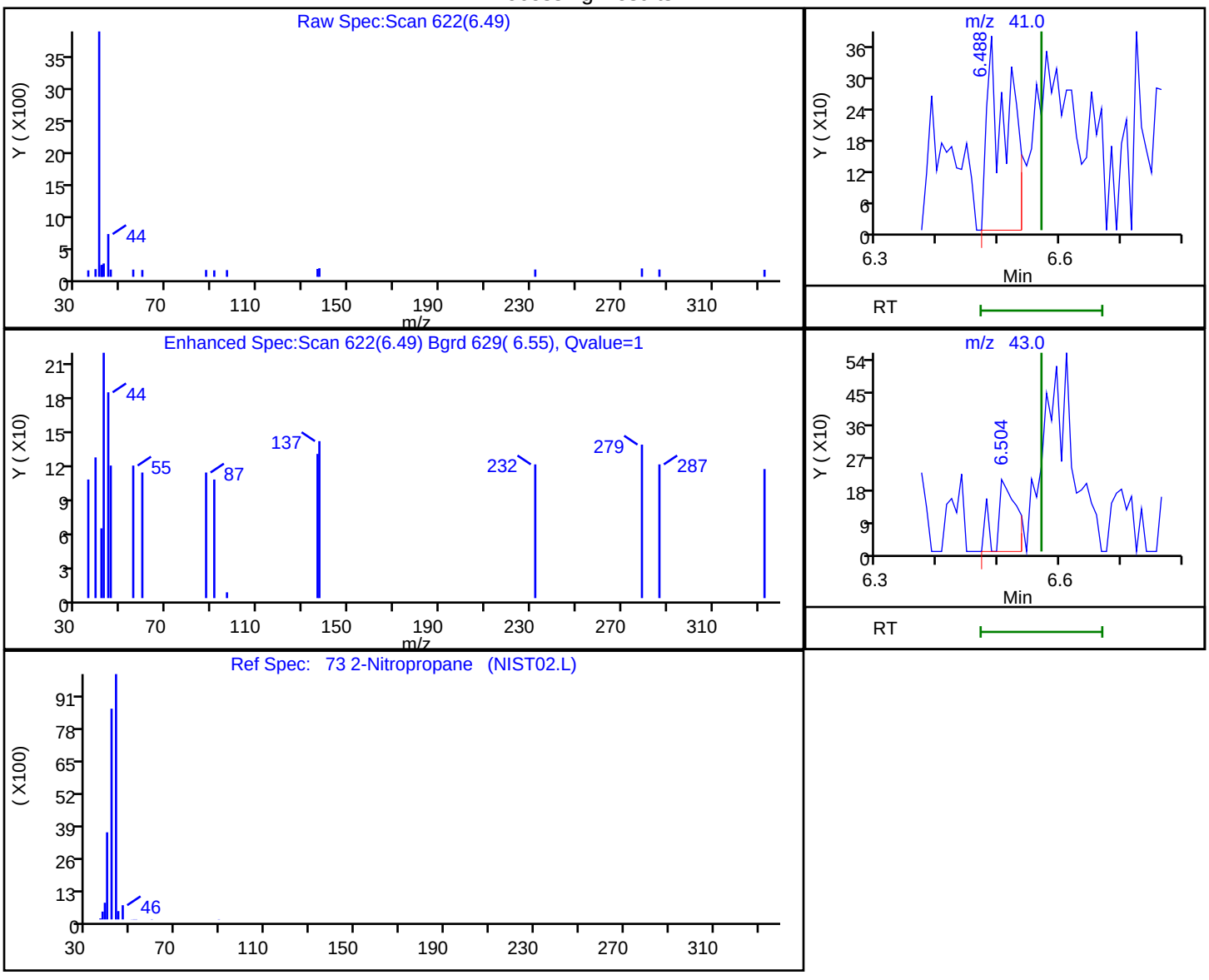
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 73 2-Nitropropane, CAS: 79-46-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 6.49 | 41.00 | 896 | 1.003778 |
| 6.50 | 43.00 | 440 | |

Reviewer: boykink, 05-Jun-2018 05:33:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

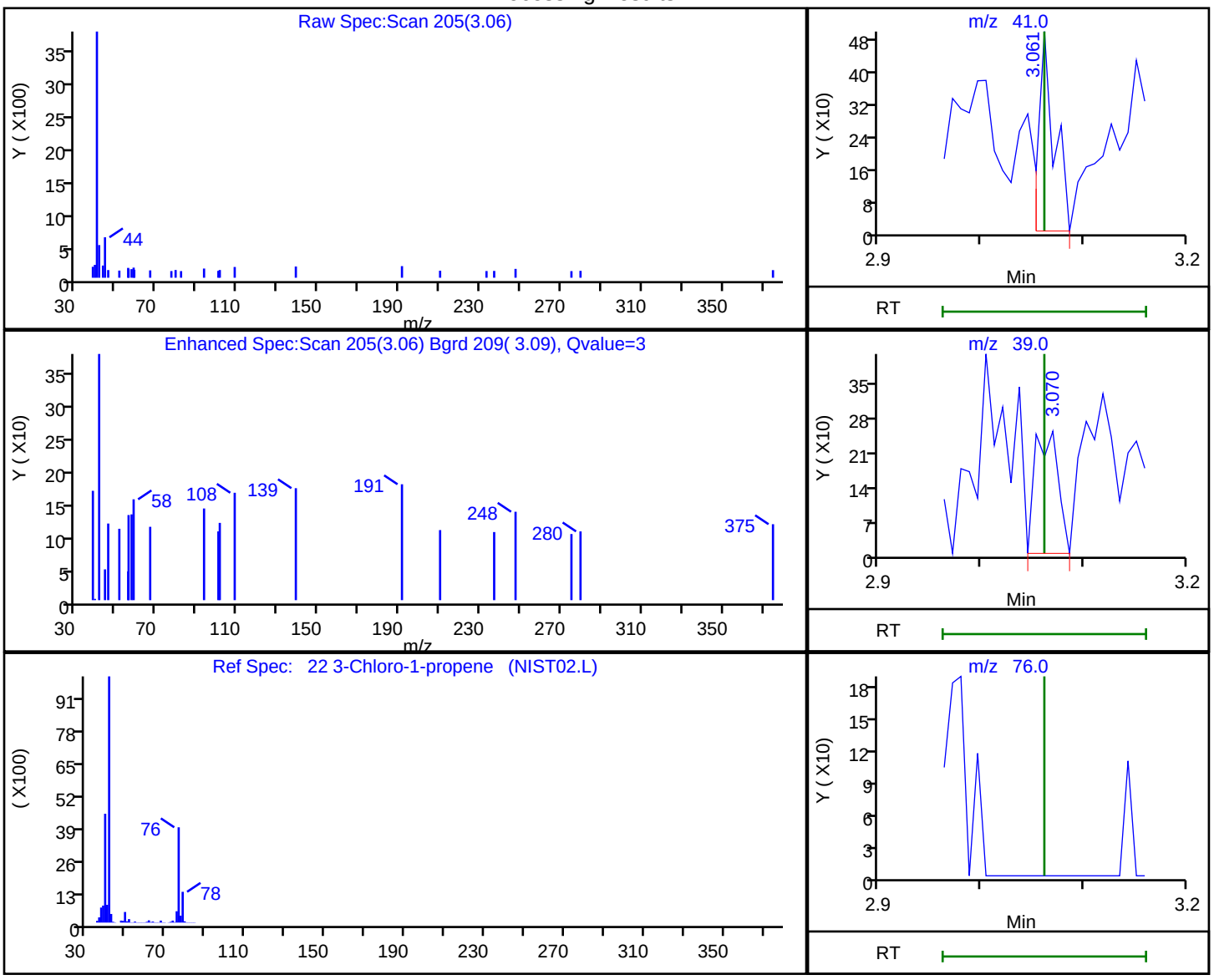
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 22 3-Chloro-1-propene, CAS: 107-05-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.06 | 41.00 | 529 | 0.049436 |
| 3.07 | 39.00 | 390 | |
| 3.06 | 76.00 | 0 | |

Reviewer: boykink, 05-Jun-2018 05:33:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

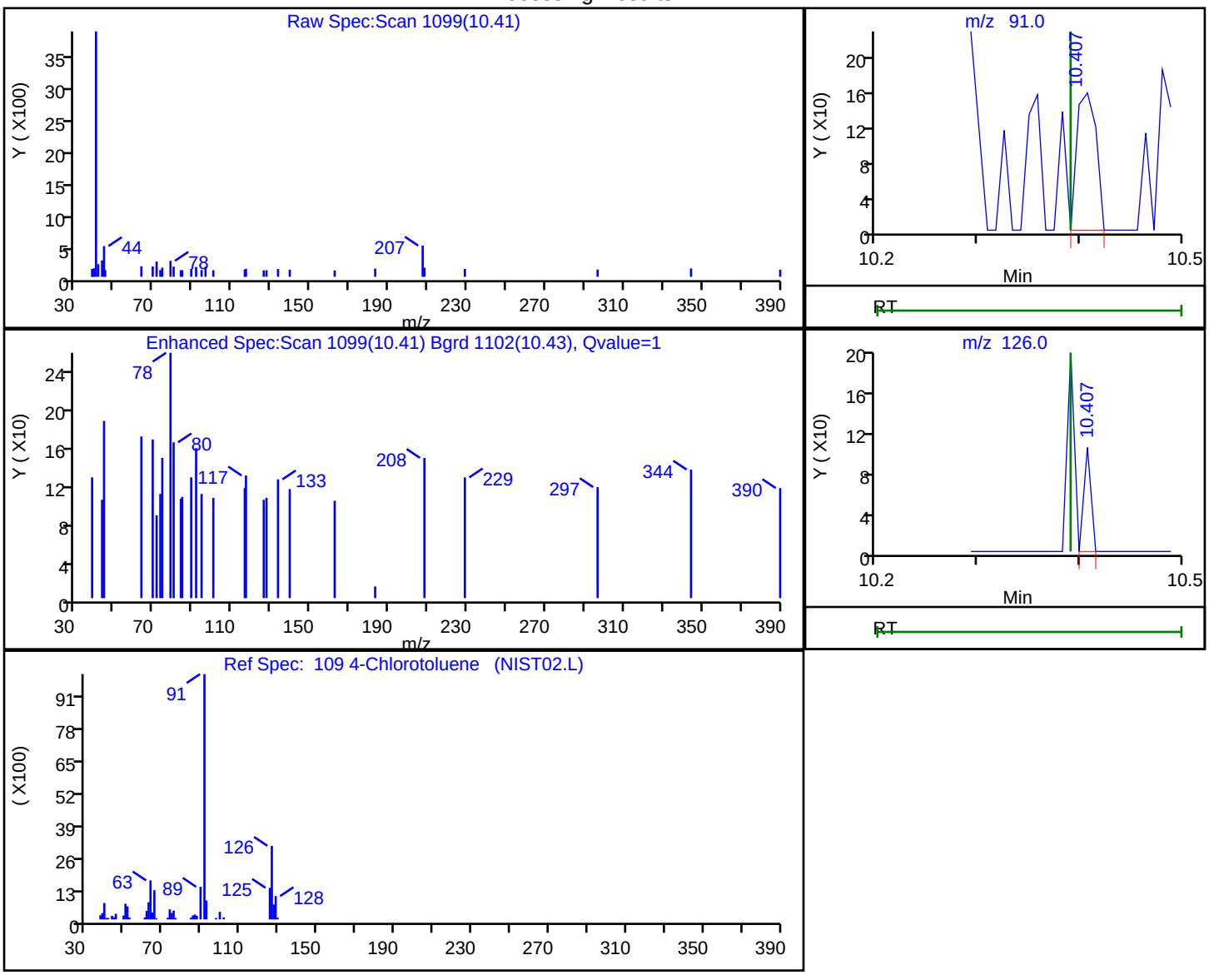
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 109 4-Chlorotoluene, CAS: 106-43-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.41 | 91.00 | 203 | 0.012279 |
| 10.41 | 126.00 | 50 | |

Reviewer: boykink, 05-Jun-2018 05:33:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

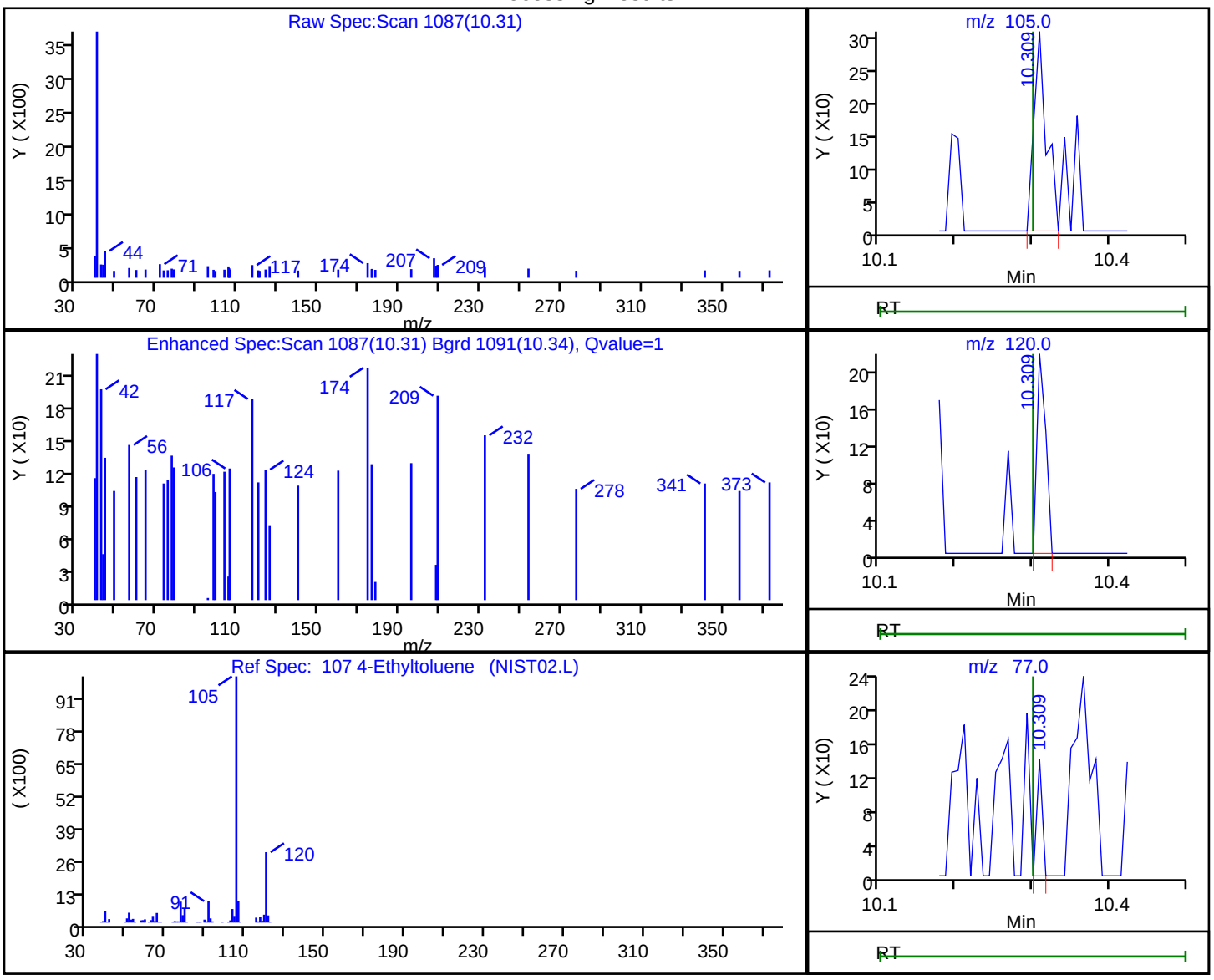
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 107 4-Ethyltoluene, CAS: 622-96-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.31 | 105.00 | 356 | 0.015807 |
| 10.31 | 120.00 | 169 | |
| 10.31 | 77.00 | 67 | |

Reviewer: boykink, 05-Jun-2018 05:33:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

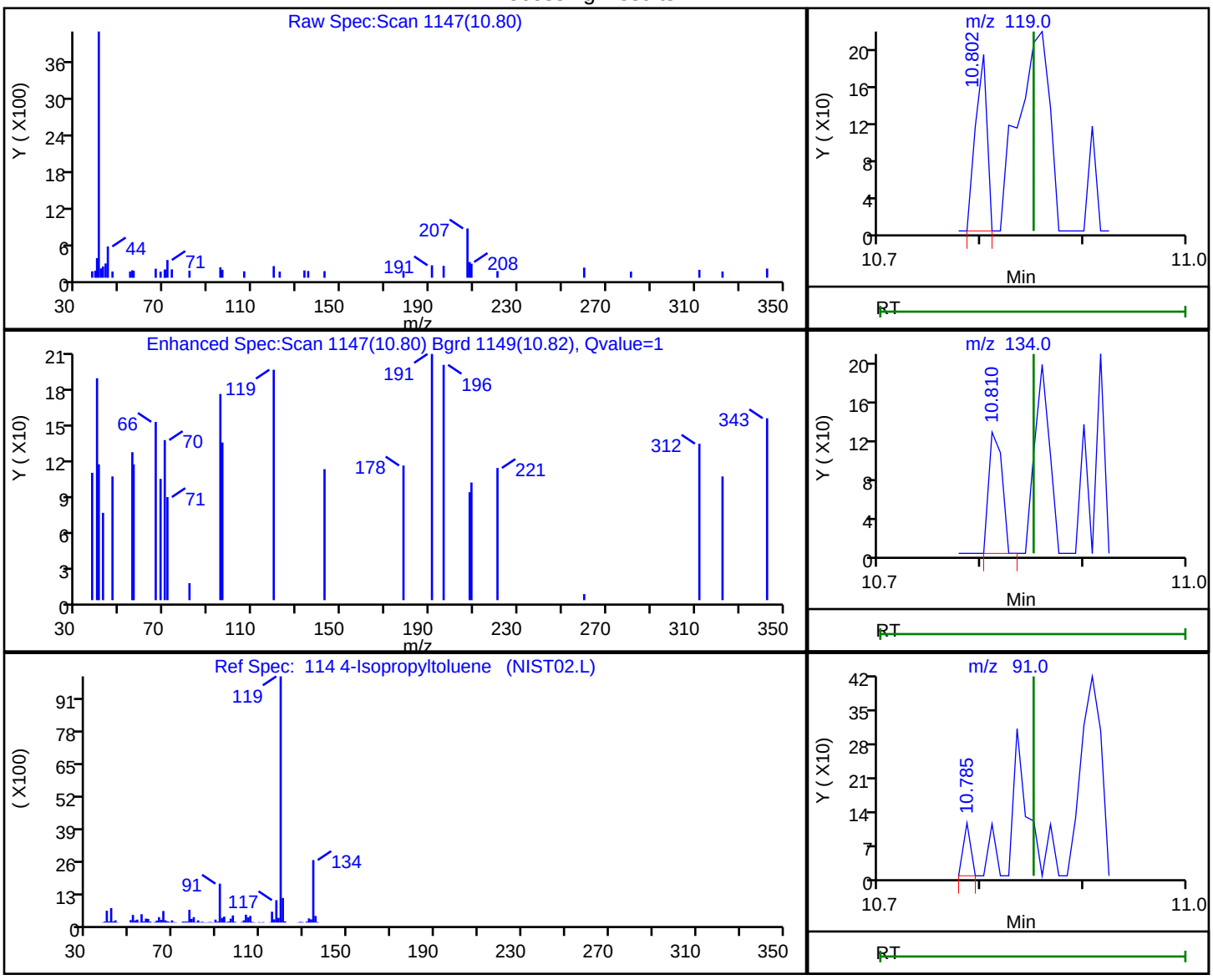
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 114 4-Isopropyltoluene, CAS: 99-87-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.80 | 119.00 | 149 | 0.007284 |
| 10.81 | 134.00 | 112 | |
| 10.79 | 91.00 | 54 | |

Reviewer: boykink, 05-Jun-2018 05:33:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

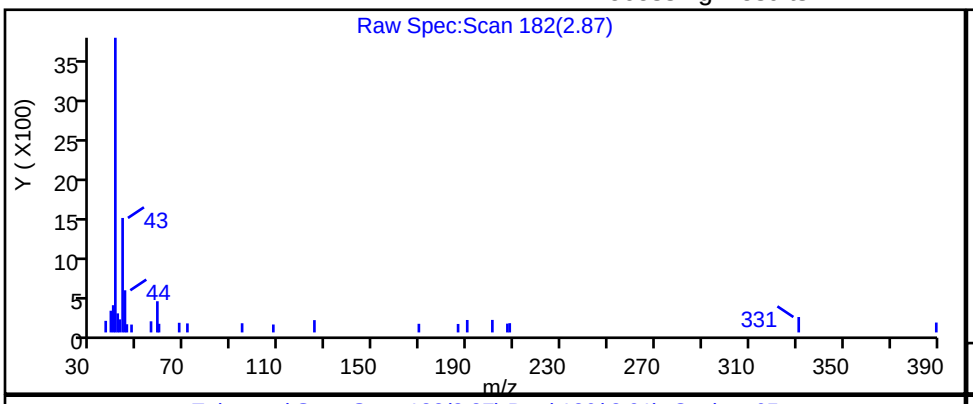
User Disabled Compound Report

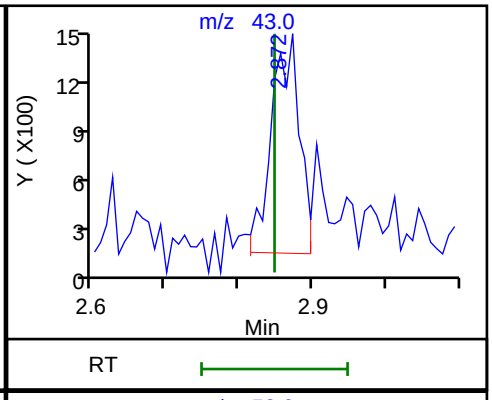
TestAmerica Edison

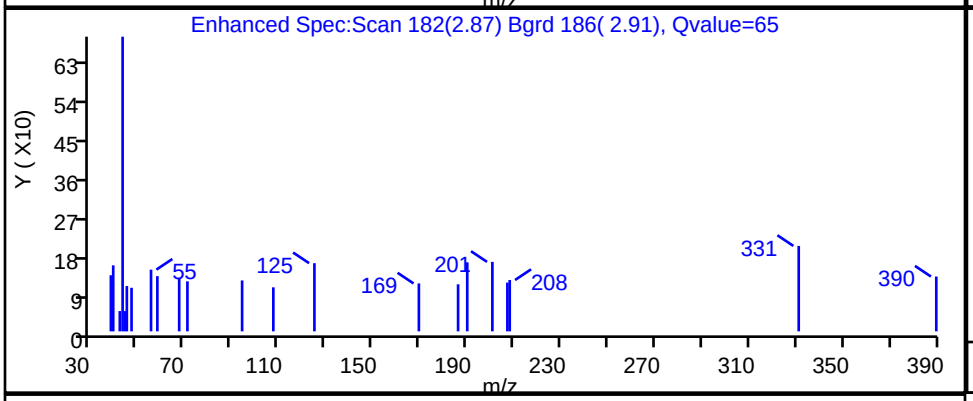
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | STD8 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

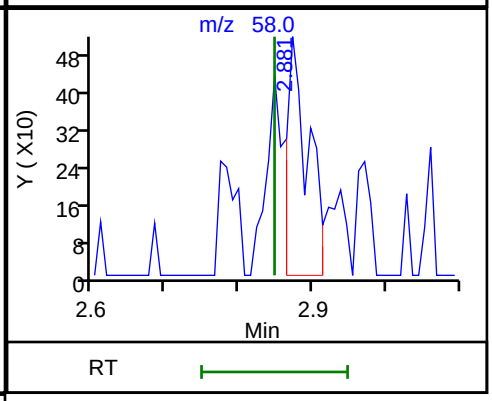
## 18 Acetone, CAS: 67-64-1

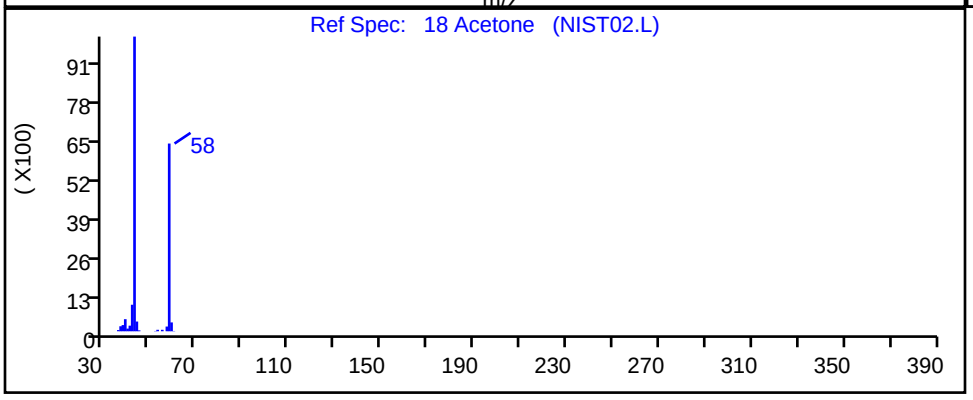
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.87 | 43.00 | 3627 | 3.138827 |
| 2.88 | 58.00 | 1022 | |

Reviewer: boykink, 05-Jun-2018 05:33:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

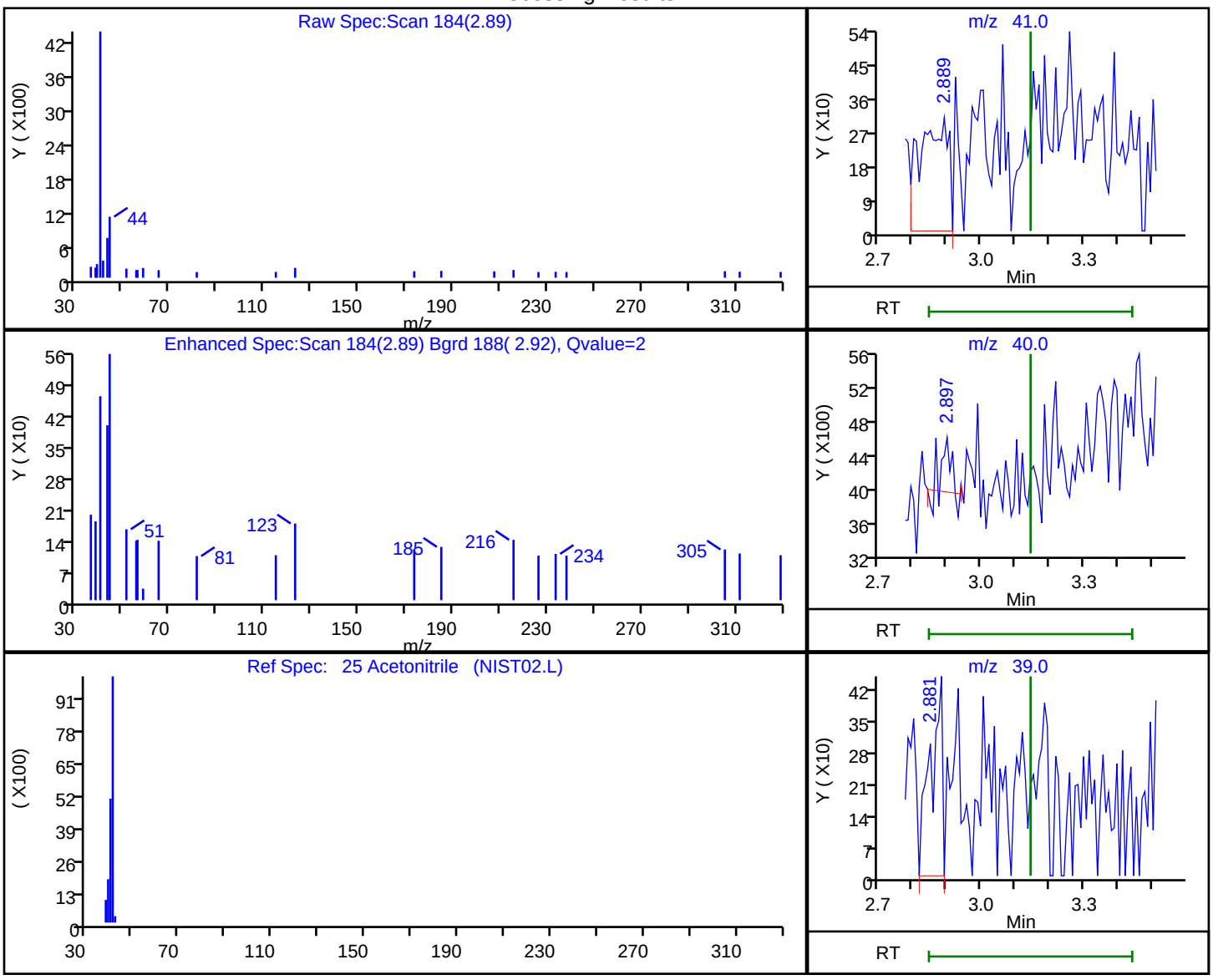
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 25 Acetonitrile, CAS: 75-05-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.89 | 41.00 | 1729 | 2.965978 |
| 2.90 | 40.00 | 905 | |
| 2.88 | 39.00 | 1083 | |
| 2.89 | 38.00 | 584 | |

Reviewer: boykink, 05-Jun-2018 05:33:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

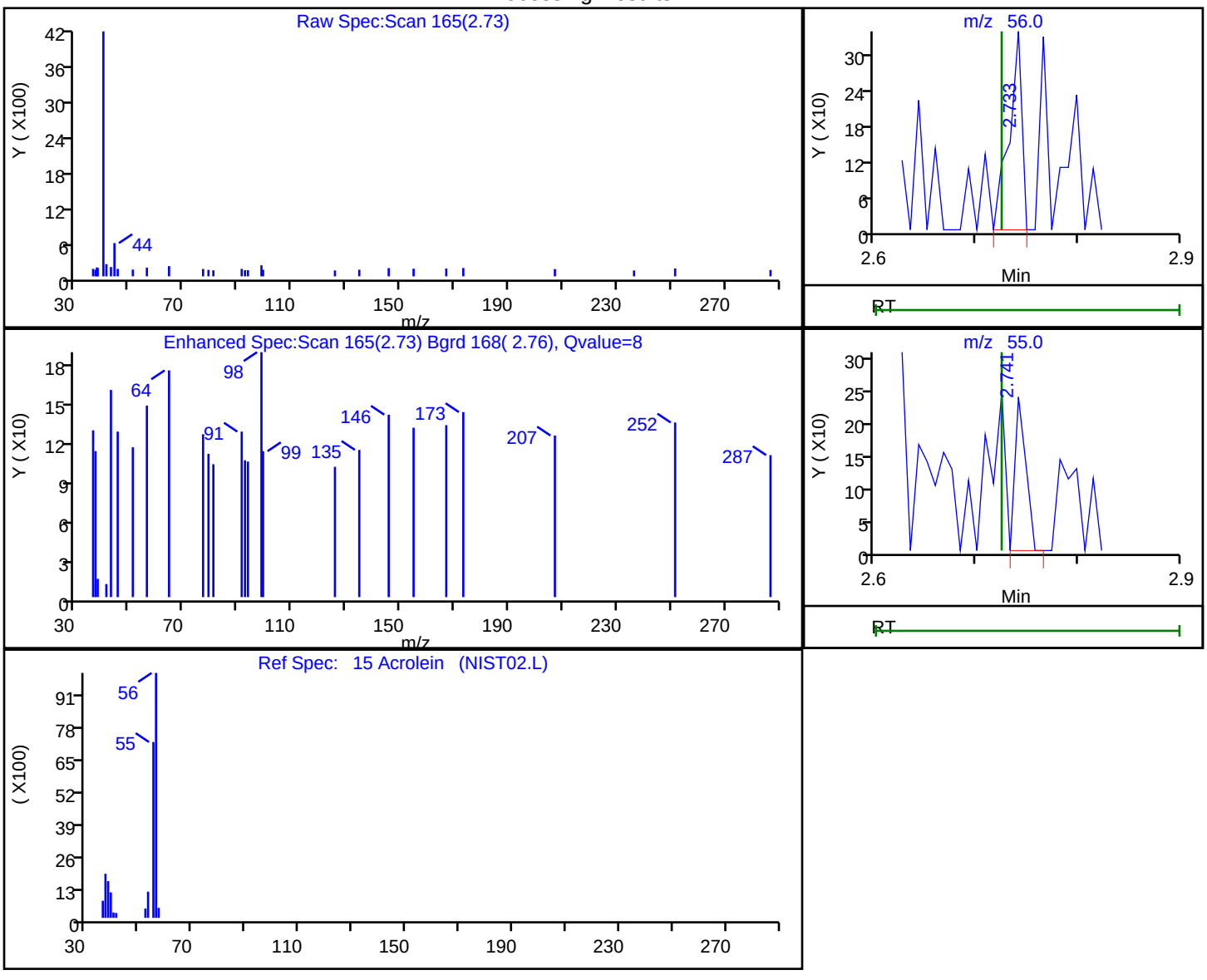
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 15 Acrolein, CAS: 107-02-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.73 | 56.00 | 293 | 0.563527 |
| 2.74 | 55.00 | 176 | |

Reviewer: boykink, 05-Jun-2018 05:33:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

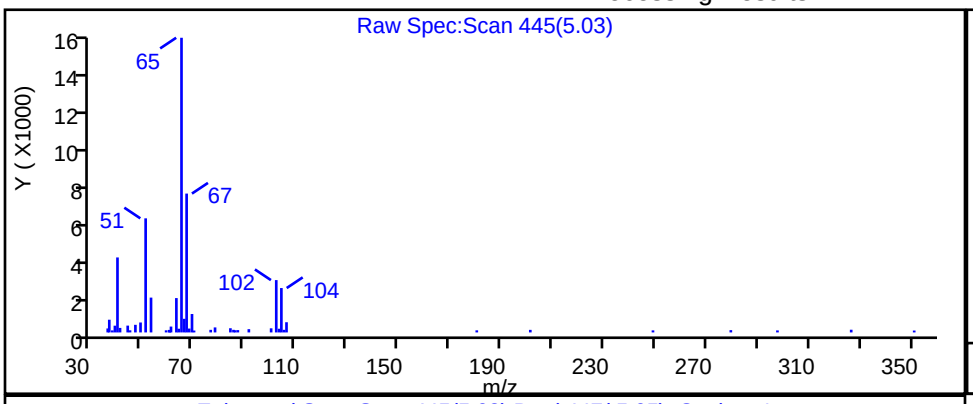
User Disabled Compound Report

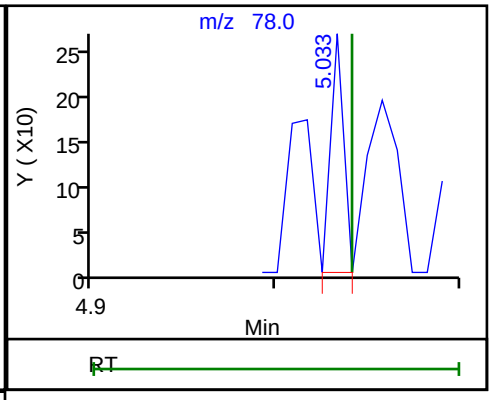
TestAmerica Edison

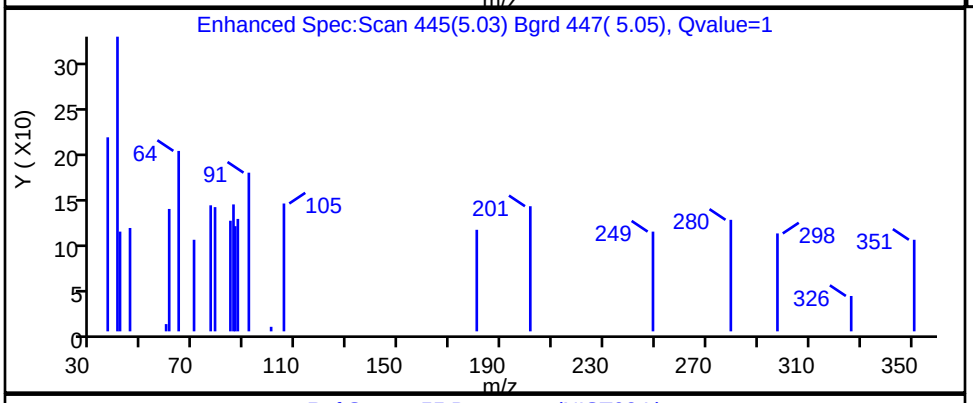
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

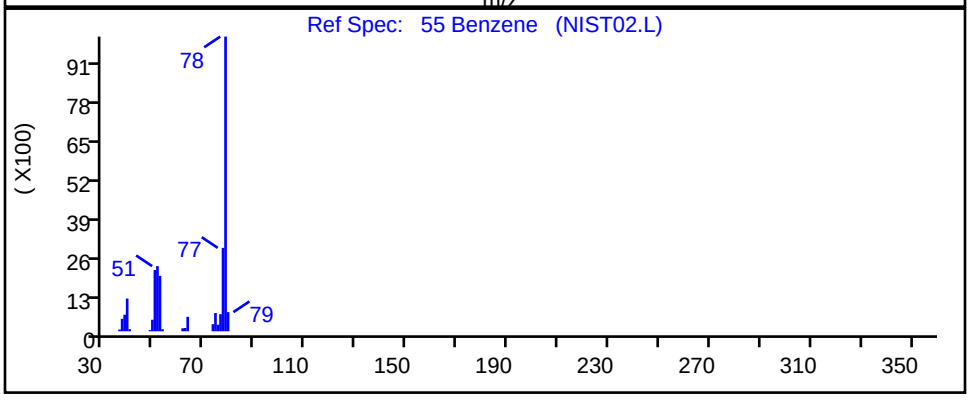
## 55 Benzene, CAS: 71-43-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.03 | 78.00 | 133 | 0.006036 |

Reviewer: boykink, 05-Jun-2018 05:33:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

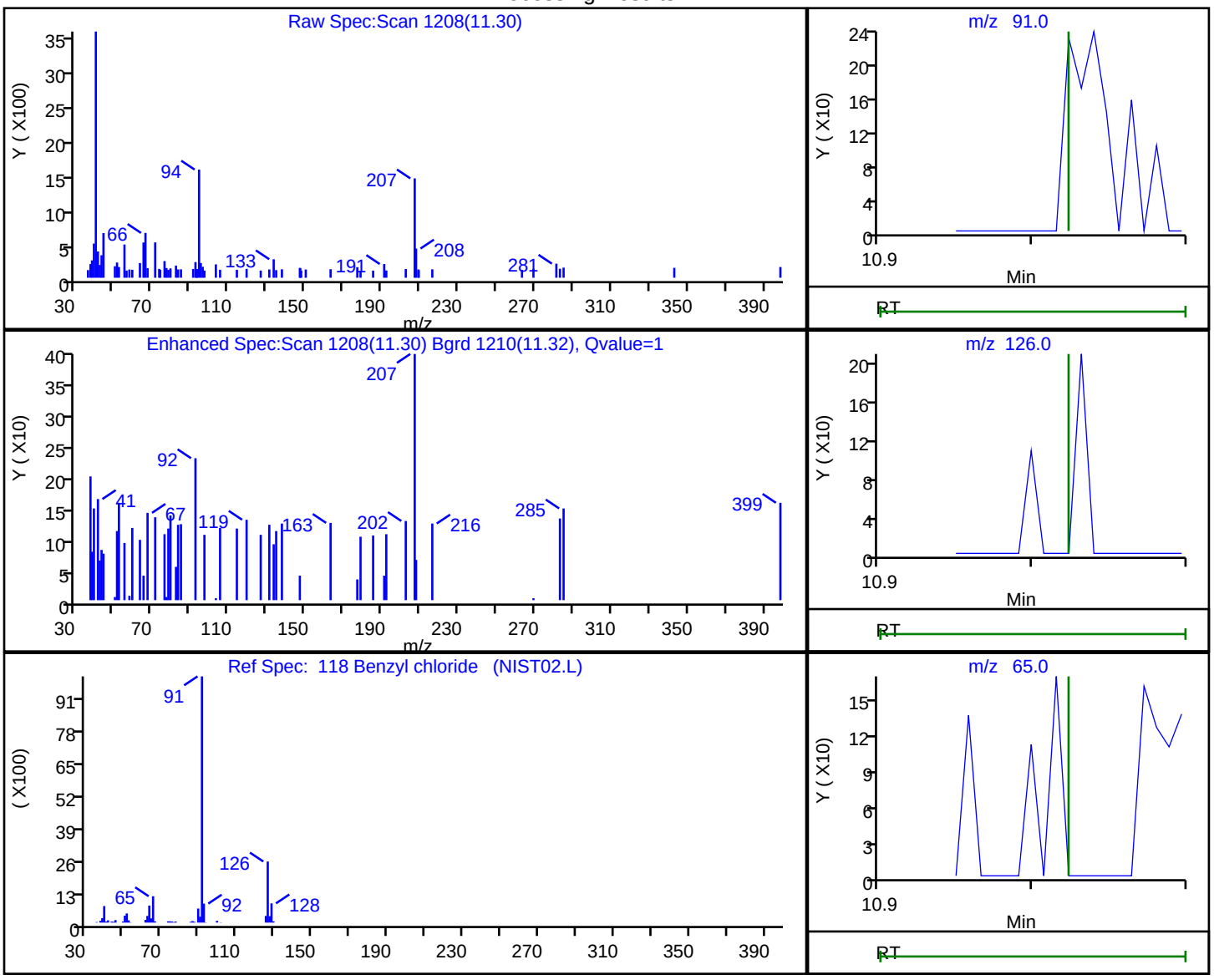
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | STD8 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 118 Benzyl chloride, CAS: 100-44-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.30 | 91.00 | 176 | 0.018100 |
| 11.29 | 126.00 | 111 | |
| 11.31 | 65.00 | 1301 | |

Reviewer: boykink, 05-Jun-2018 05:33:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

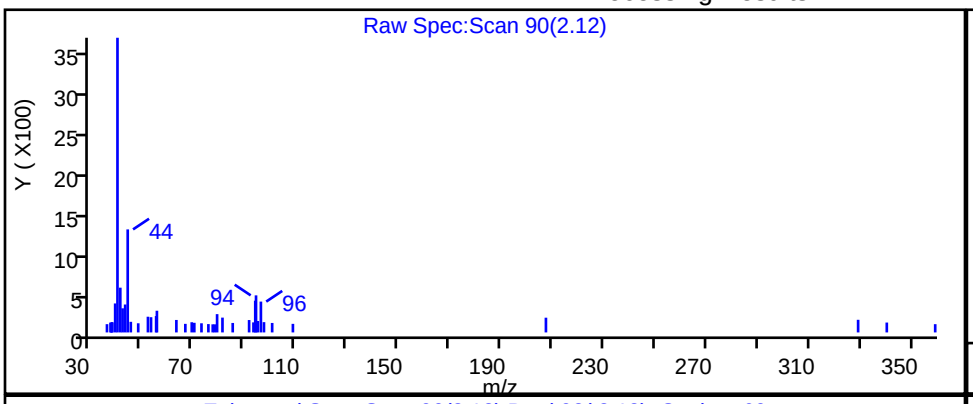
User Disabled Compound Report

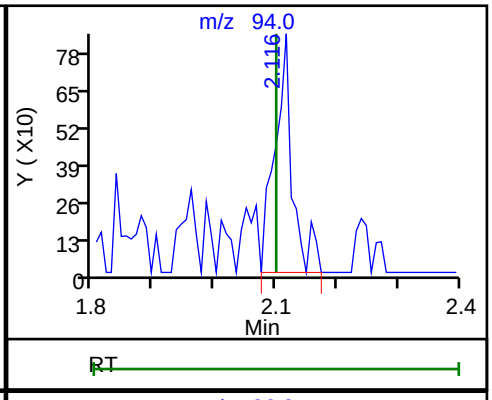
TestAmerica Edison

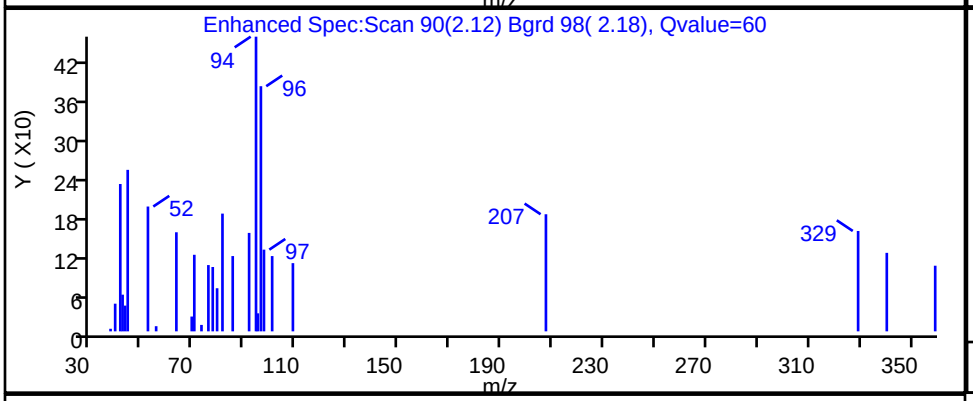
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | STD8 | | |
| Client ID: | | | |
| Operator ID: | | ALS Bottle#: | 2 Worklist Smp#: 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

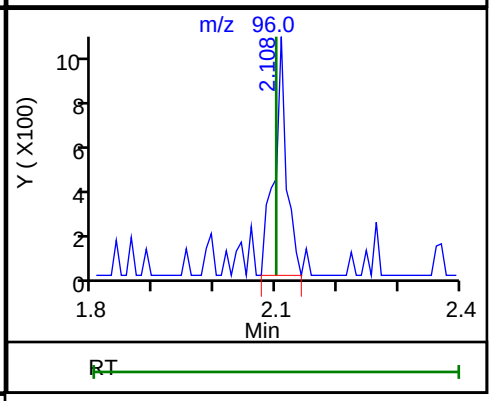
## 6 Bromomethane, CAS: 74-83-9

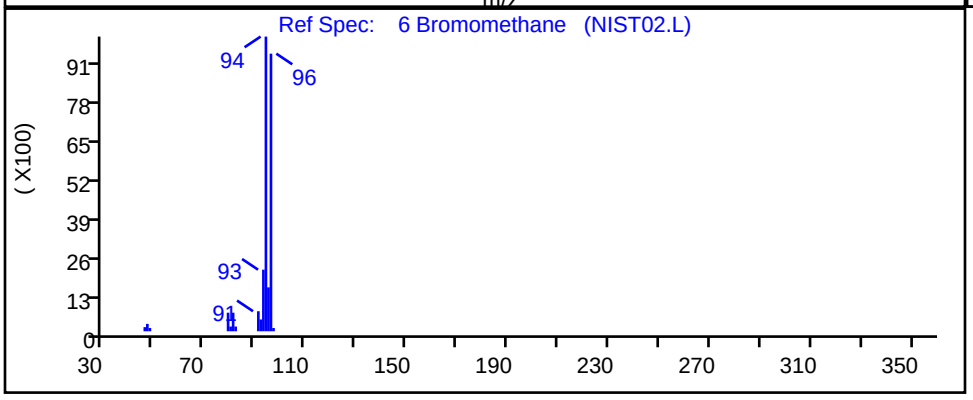
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.12 | 94.00 | 1696 | 0.250000 |
| 2.11 | 96.00 | 1464 | |

Reviewer: boykink, 05-Jun-2018 03:01:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

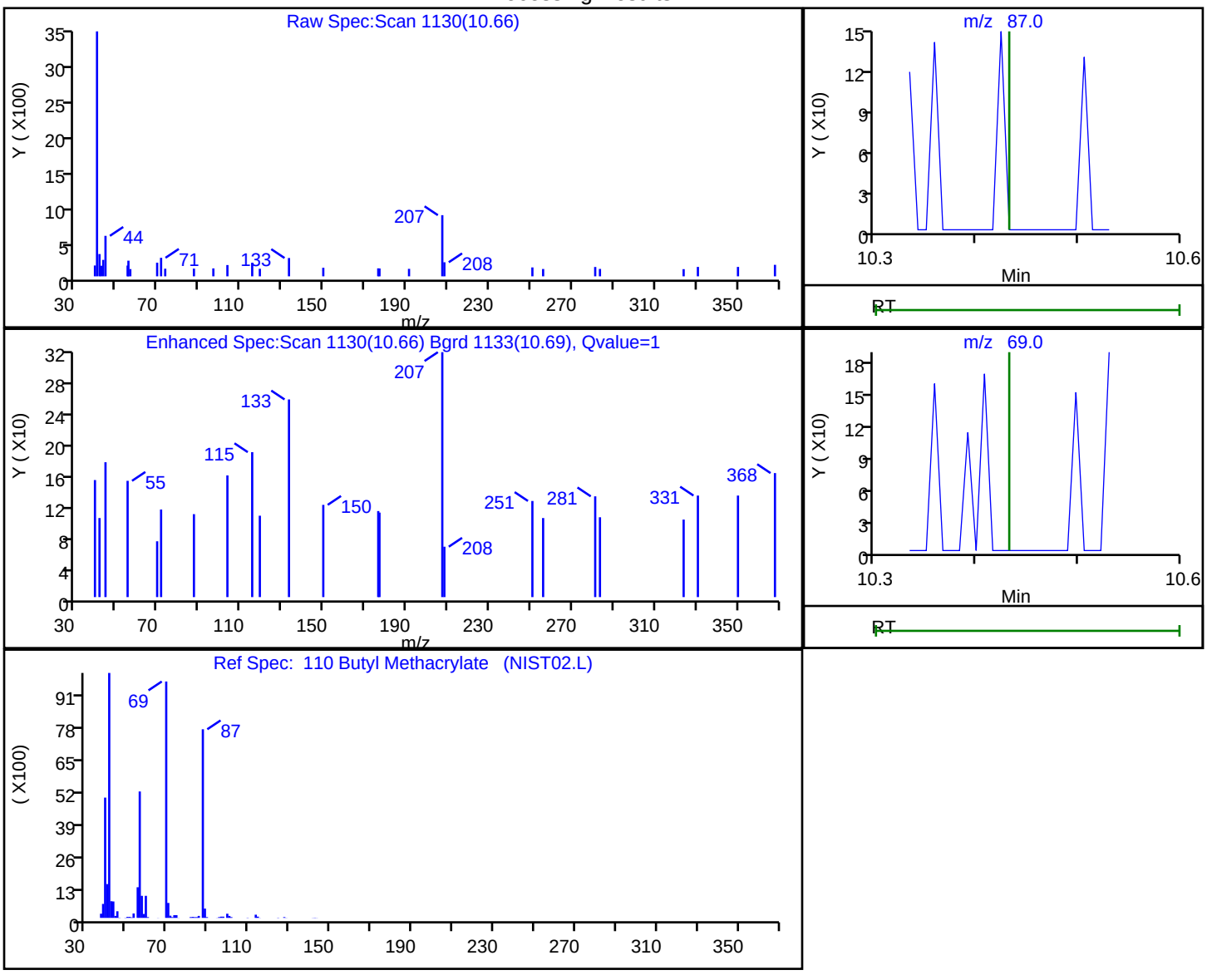
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 110 Butyl Methacrylate, CAS: 97-88-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.66 | 87.00 | 53 | 0.008763 |
| 10.66 | 69.00 | 280 | |

Reviewer: boykink, 05-Jun-2018 05:33:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

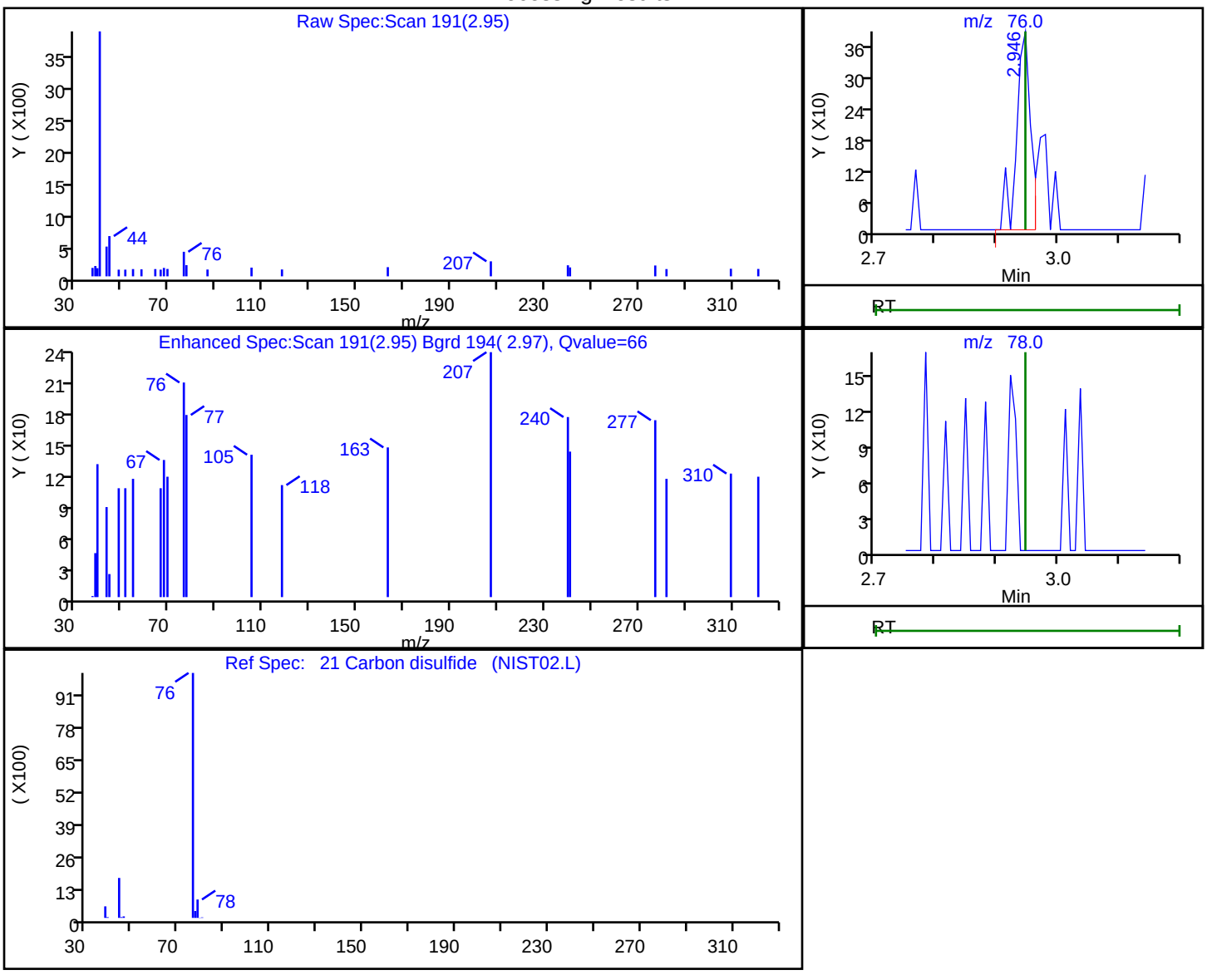
User Disabled Compound Report

TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | STD8 | | |
| Client ID: | | | |
| Operator ID: | | ALS Bottle#: | 2 Worklist Smp#: 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 21 Carbon disulfide, CAS: 75-15-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.95 | 76.00 | 626 | 0.031184 |
| 2.95 | 78.00 | 0 | |

Reviewer: boykink, 05-Jun-2018 05:33:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

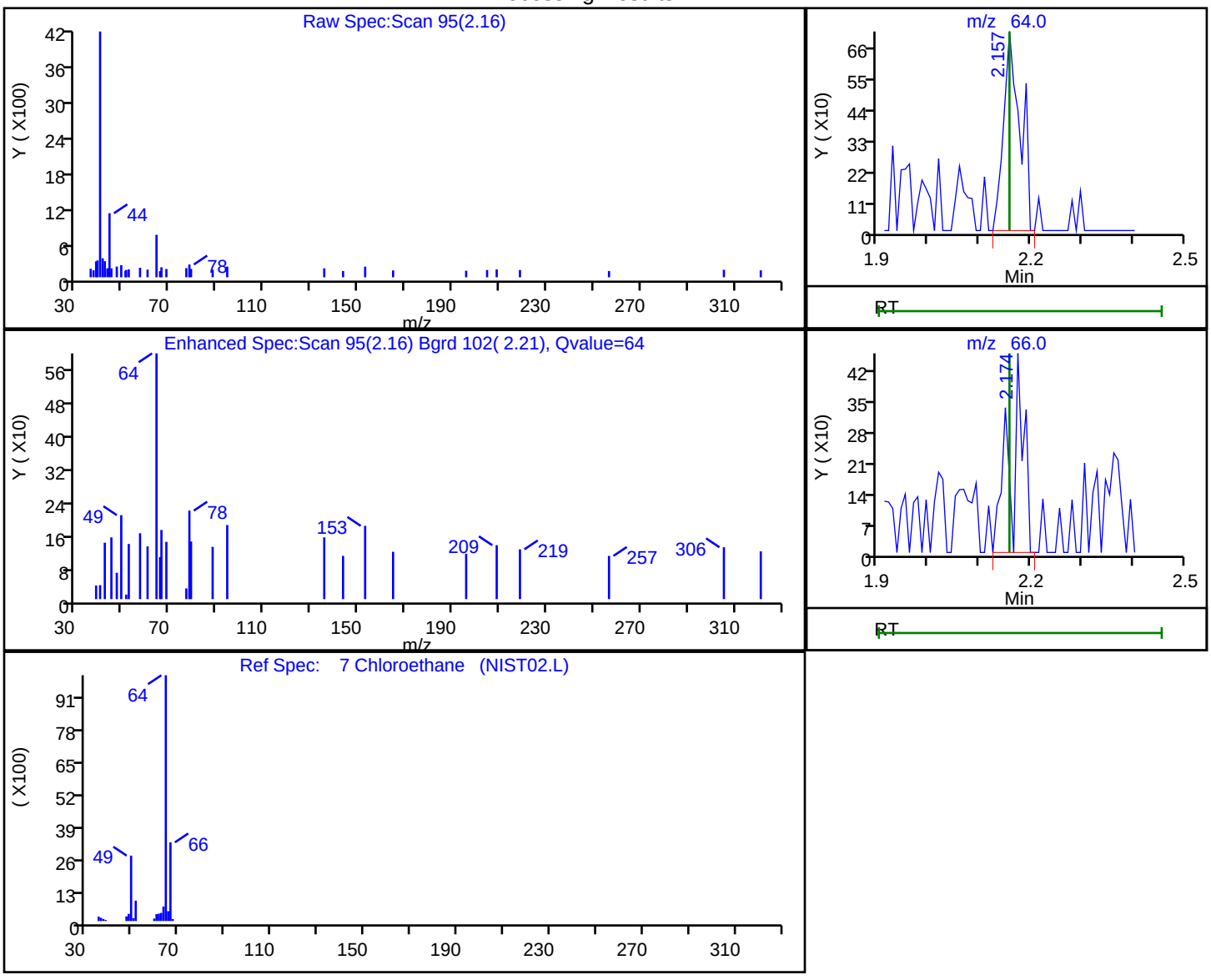
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 7 Chloroethane, CAS: 75-00-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.16 | 64.00 | 1617 | 0.250000 |
| 2.17 | 66.00 | 853 | |

Reviewer: boykink, 05-Jun-2018 03:01:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

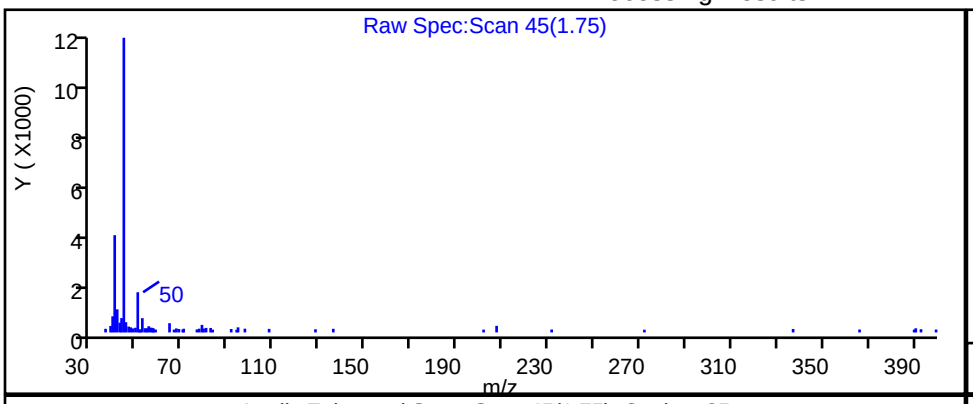
User Disabled Compound Report

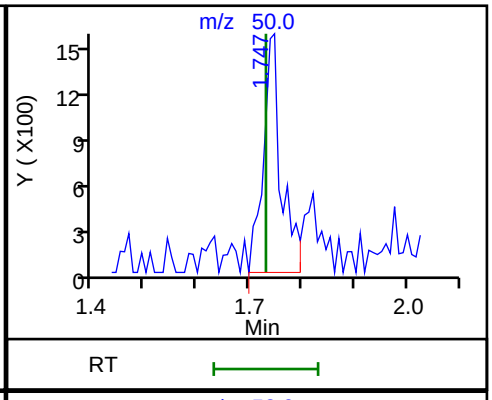
TestAmerica Edison

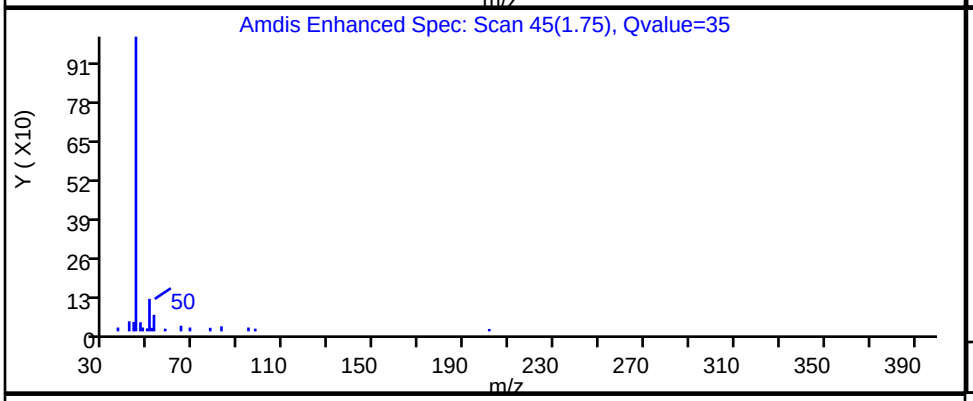
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

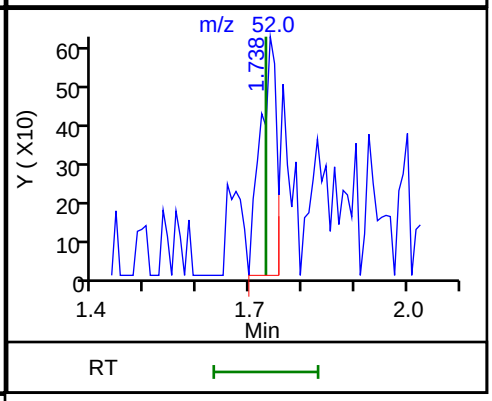
## 3 Chloromethane, CAS: 74-87-3

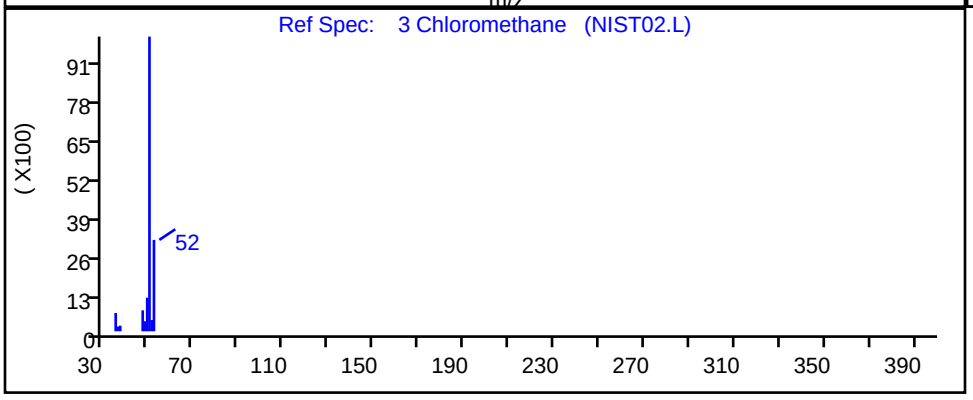
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.75 | 50.00 | 3748 | 0.250000 |
| 1.74 | 52.00 | 1341 | |

Reviewer: boykink, 05-Jun-2018 03:01:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

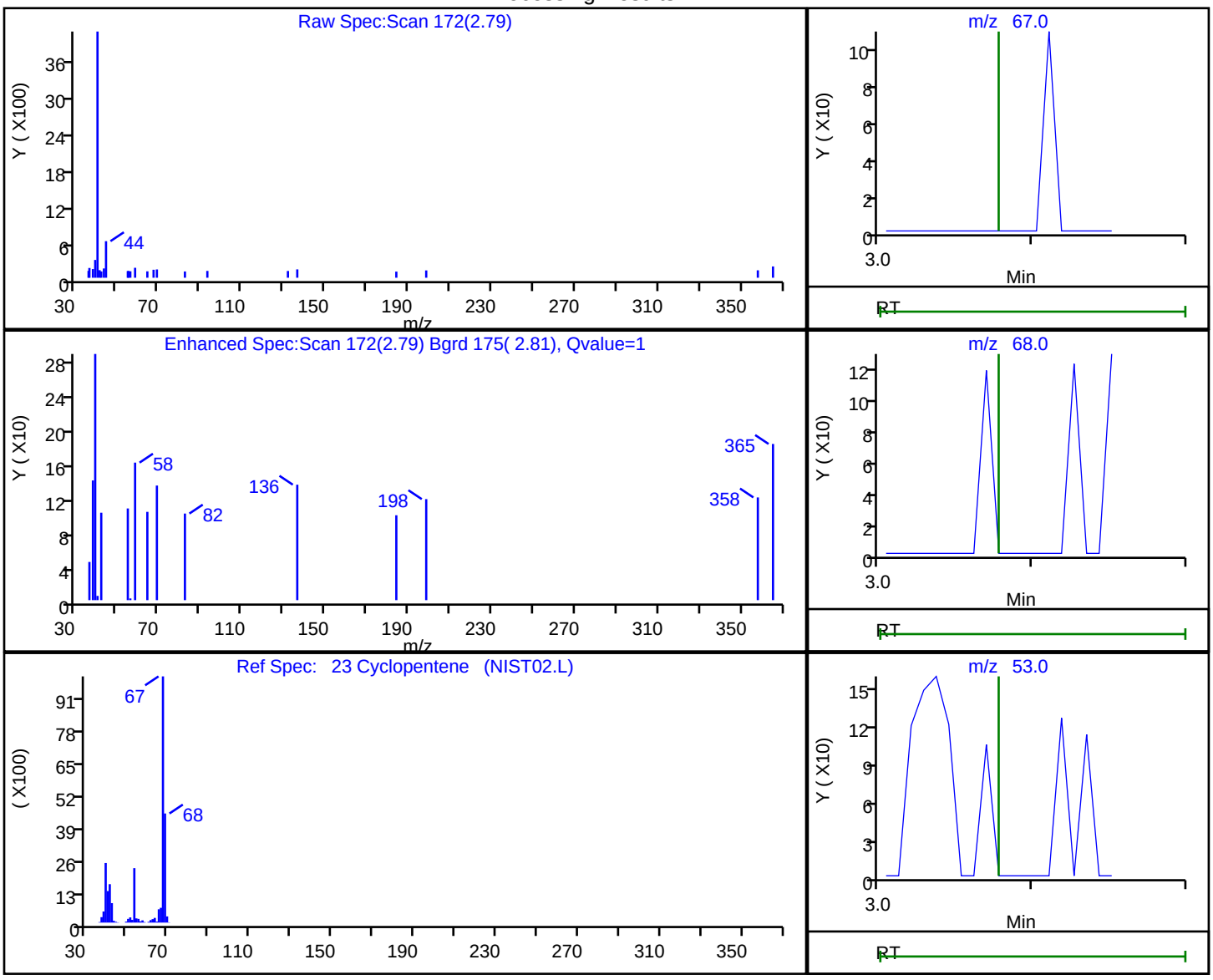
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 23 Cyclopentene, CAS: 142-29-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.79 | 67.00 | 118 | 0.009051 |
| 2.79 | 68.00 | 67 | |
| 2.81 | 53.00 | 59 | |

Reviewer: boykink, 05-Jun-2018 05:33:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

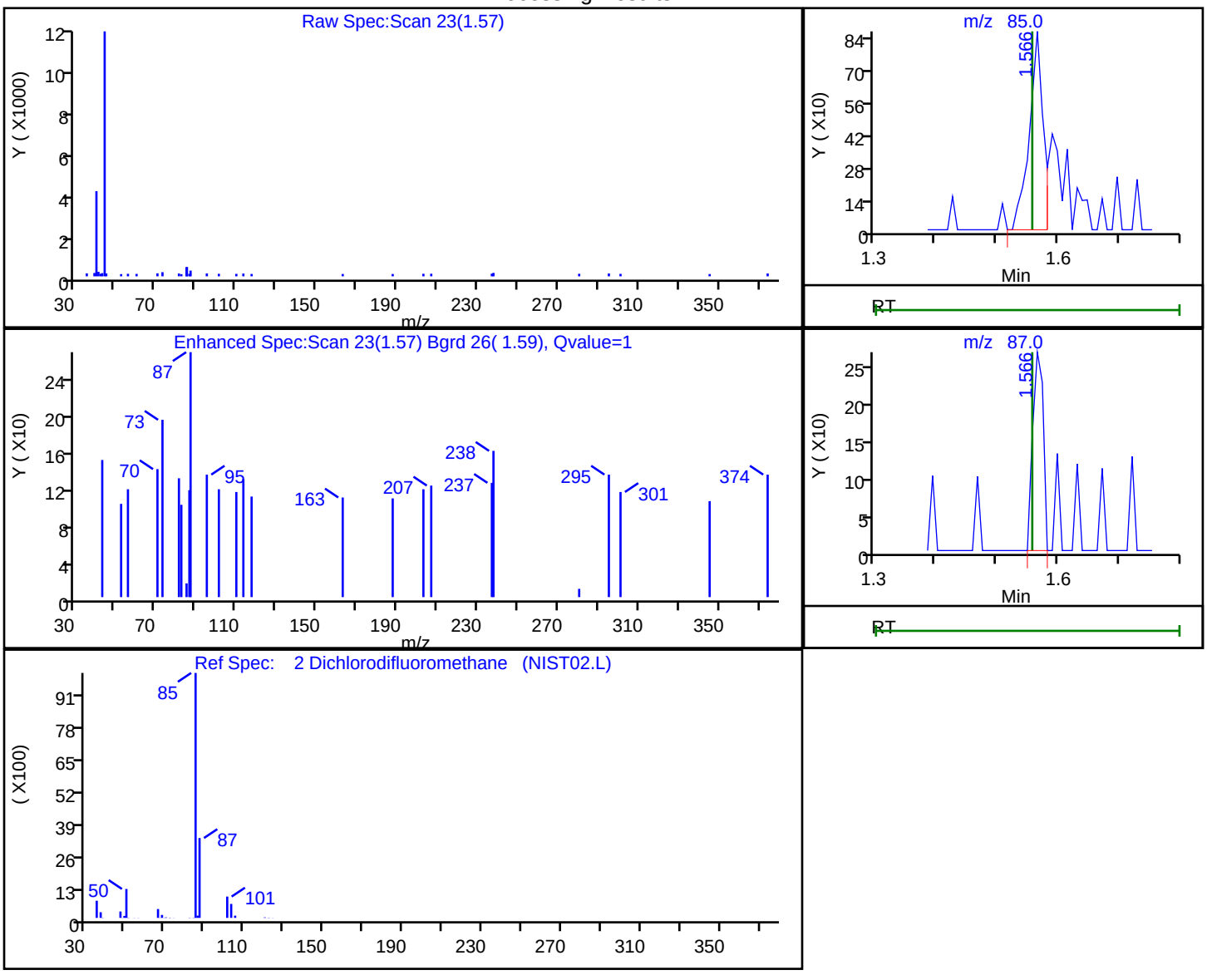
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 2 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.57 | 85.00 | 1381 | 0.250000 |
| 1.57 | 87.00 | 322 | |

Reviewer: boykink, 05-Jun-2018 03:01:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

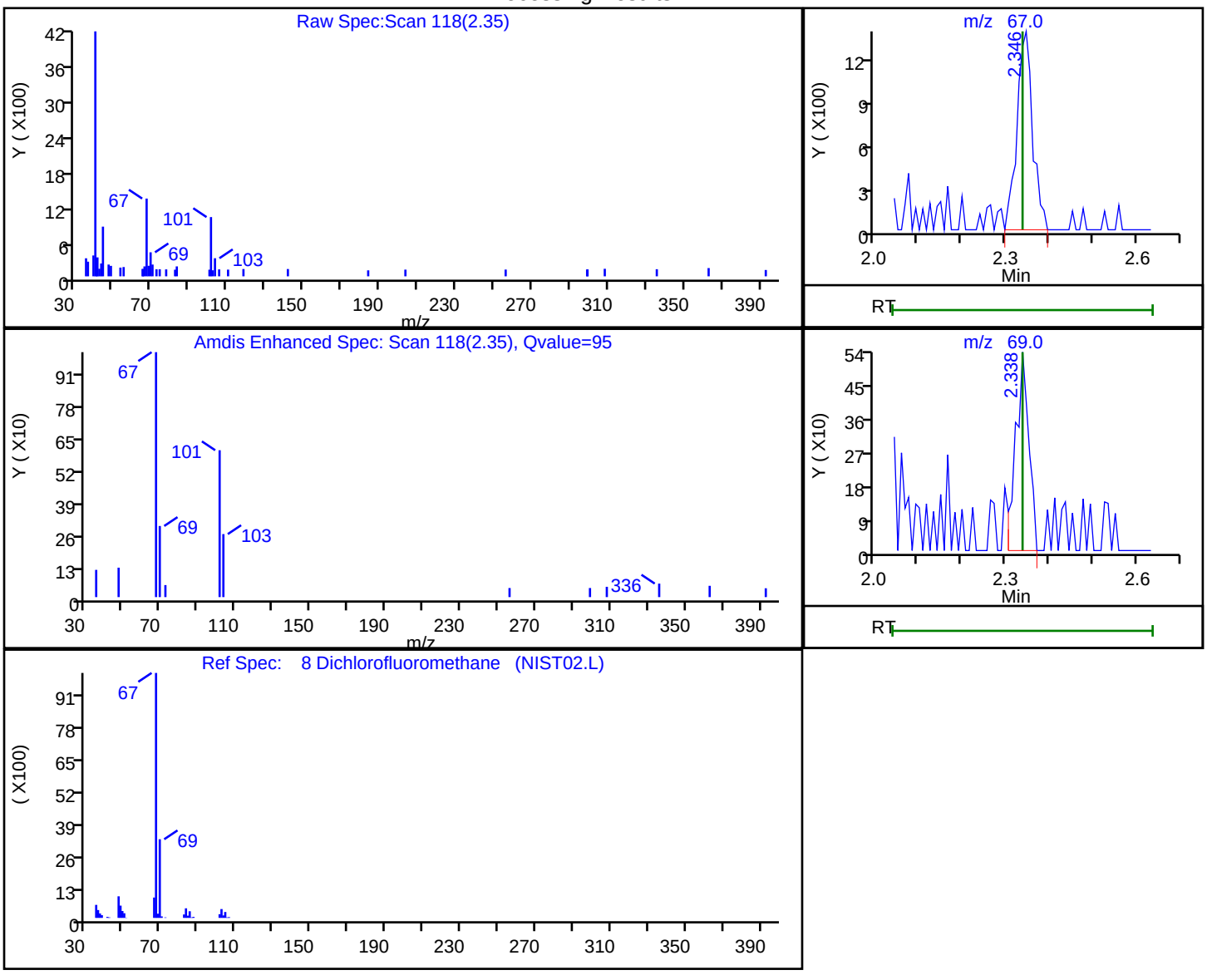
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 8 Dichlorofluoromethane, CAS: 75-43-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.35 | 67.00 | 3262 | 0.250000 |
| 2.34 | 69.00 | 1121 | |

Reviewer: boykink, 05-Jun-2018 03:01:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

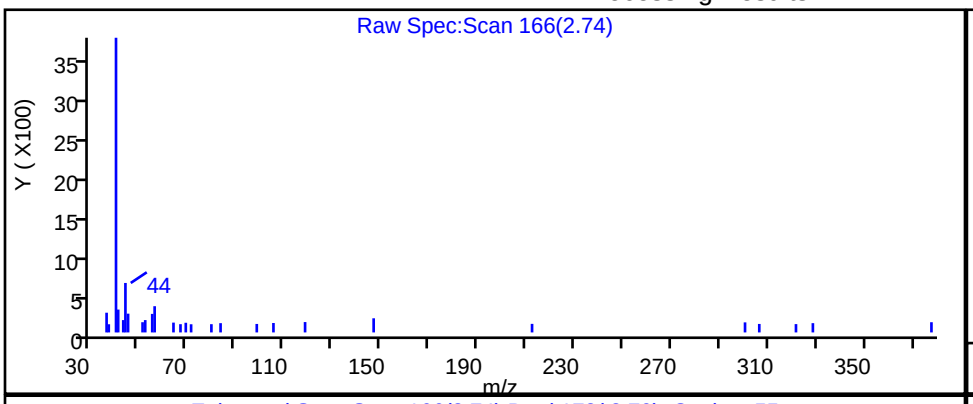
User Disabled Compound Report

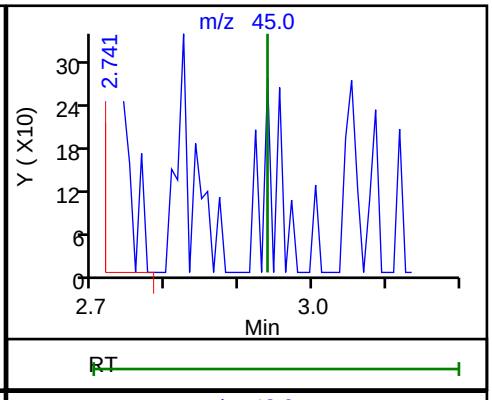
TestAmerica Edison

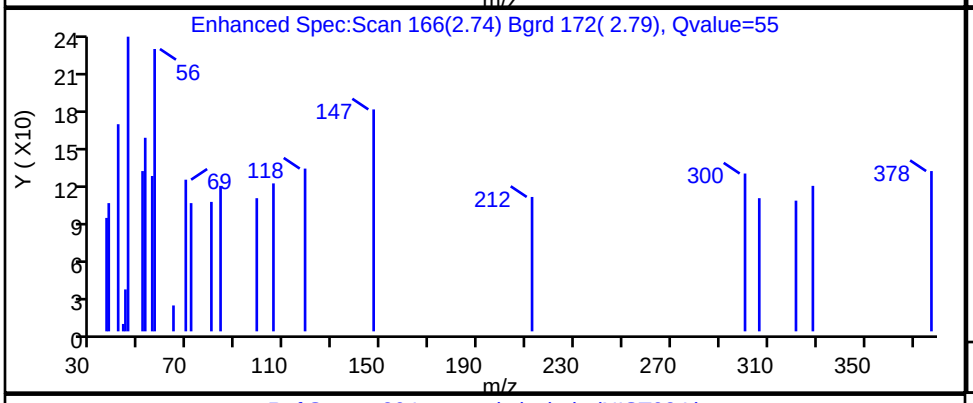
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | STD8 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

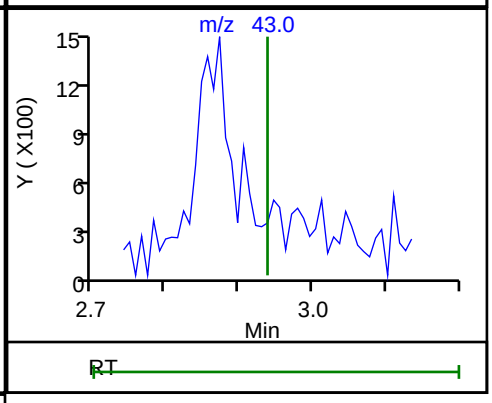
## 20 Isopropyl alcohol, CAS: 67-63-0

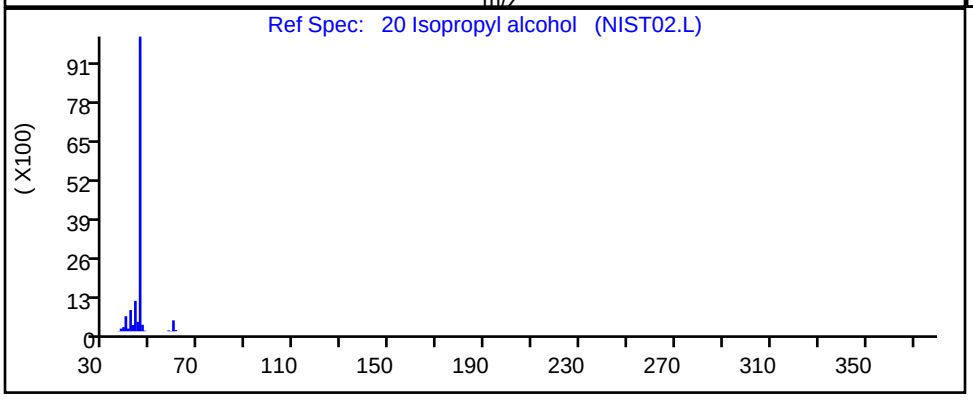
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.74 | 45.00 | 409 | 2.179081 |
| 2.78 | 43.00 | 1263 | |

Reviewer: boykink, 05-Jun-2018 05:33:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

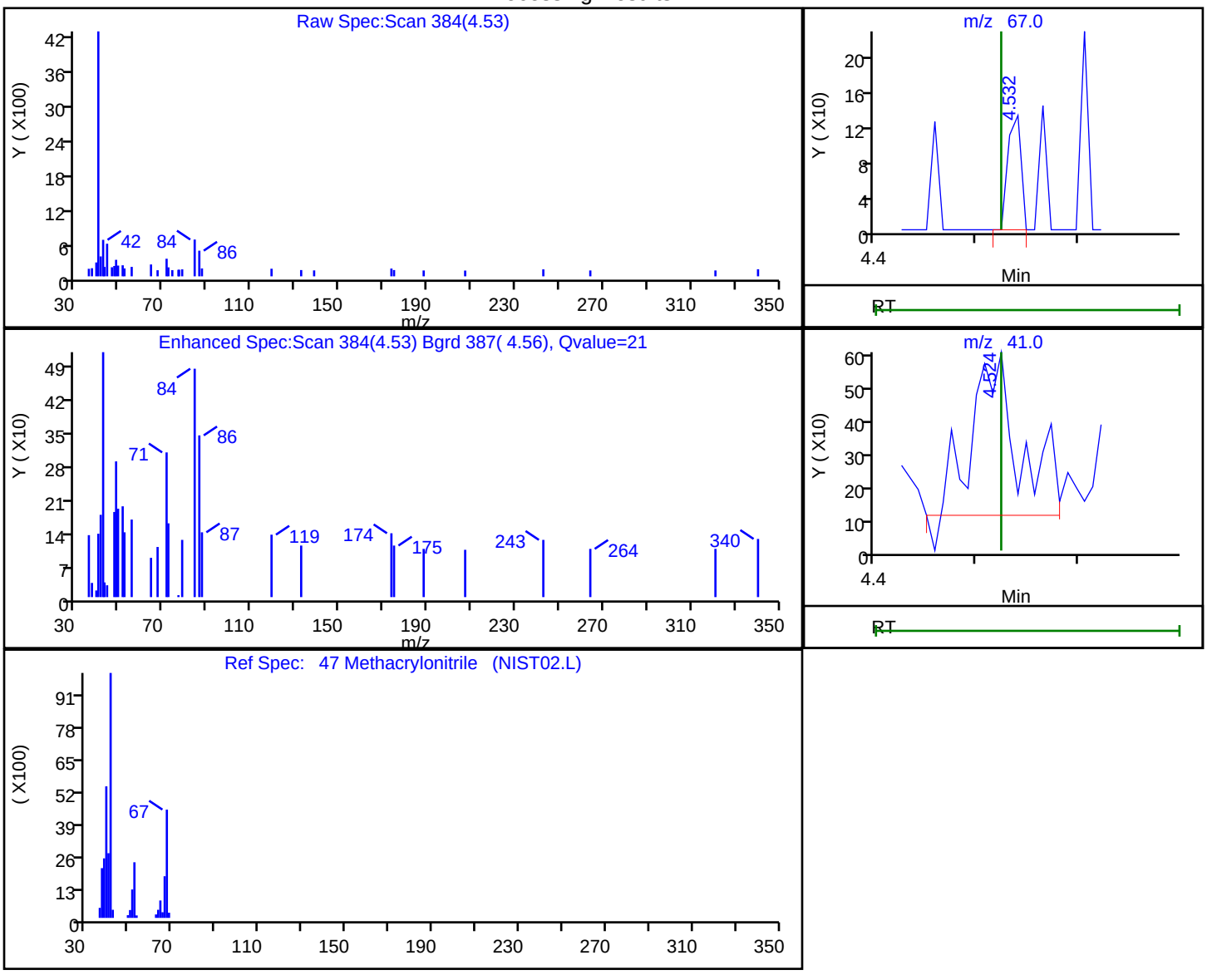
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 47 Methacrylonitrile, CAS: 126-98-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.53 | 67.00 | 115 | 0.063071 |
| 4.52 | 41.00 | 1578 | |

Reviewer: boykink, 05-Jun-2018 05:33:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

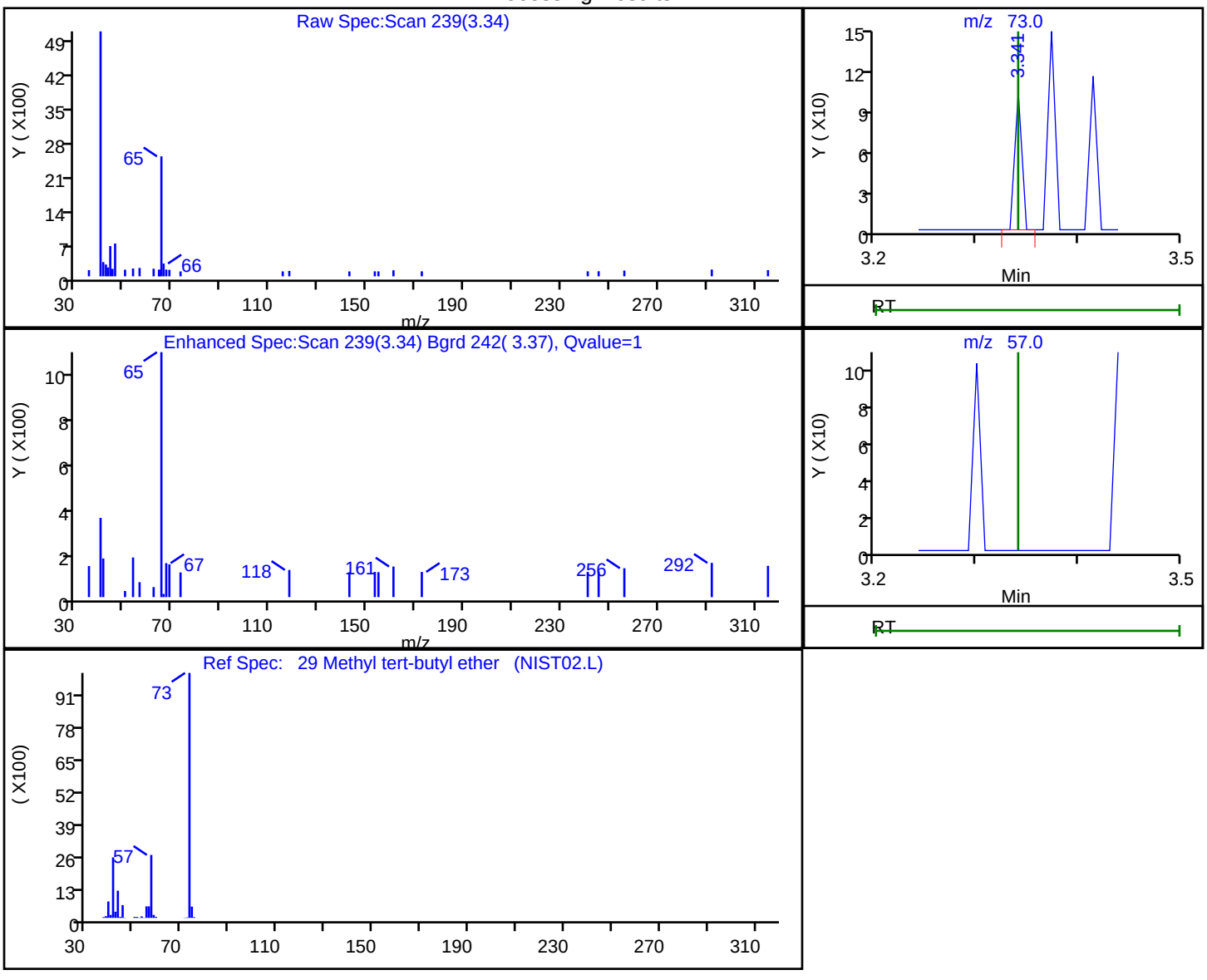
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 29 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.34 | 73.00 | 50 | 0.003325 |
| 3.34 | 57.00 | 0 | |

Reviewer: boykink, 05-Jun-2018 05:33:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

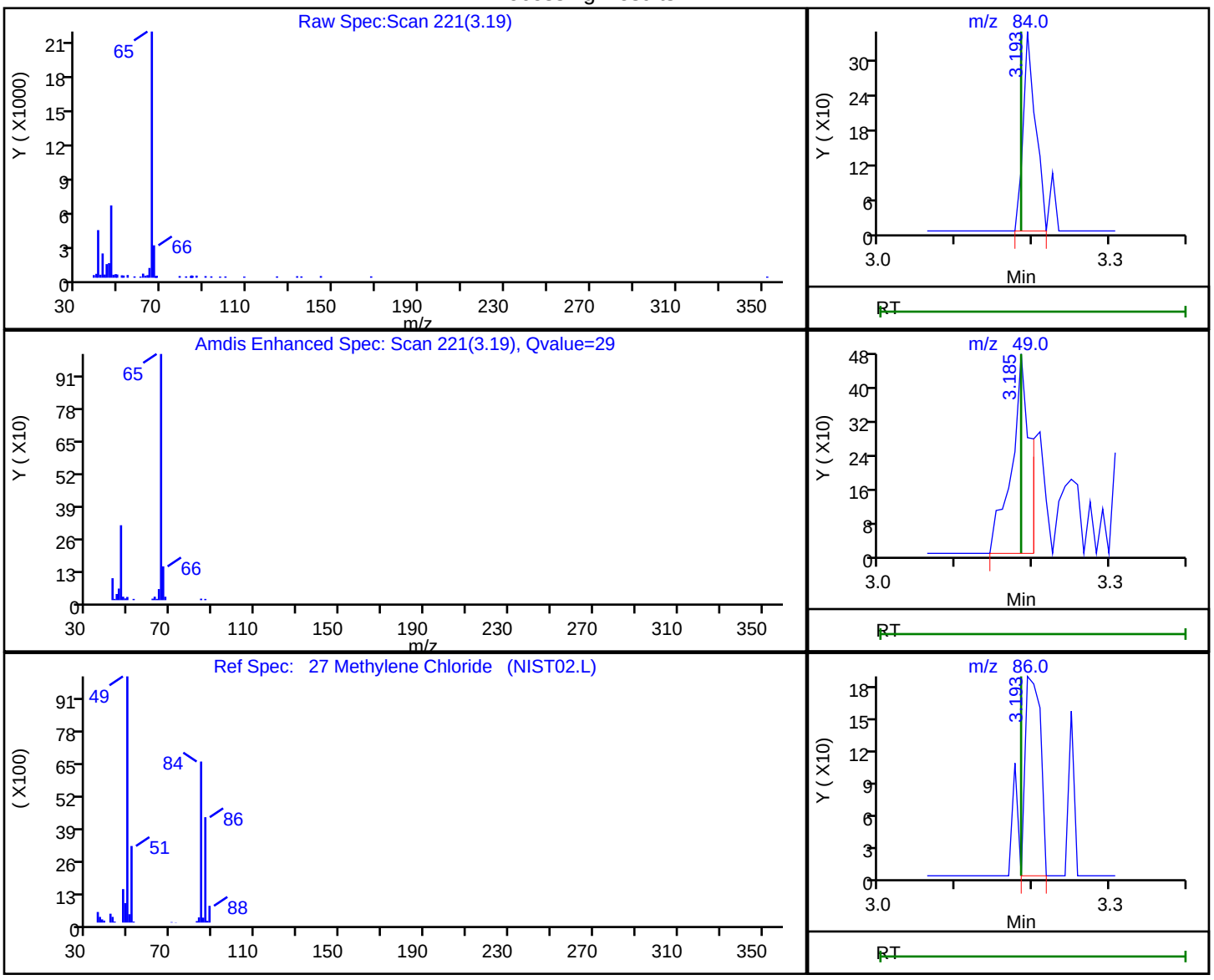
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 27 Methylene Chloride, CAS: 75-09-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.19 | 84.00 | 390 | 0.061735 |
| 3.18 | 49.00 | 810 | |
| 3.19 | 86.00 | 254 | |

Reviewer: boykink, 05-Jun-2018 05:33:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

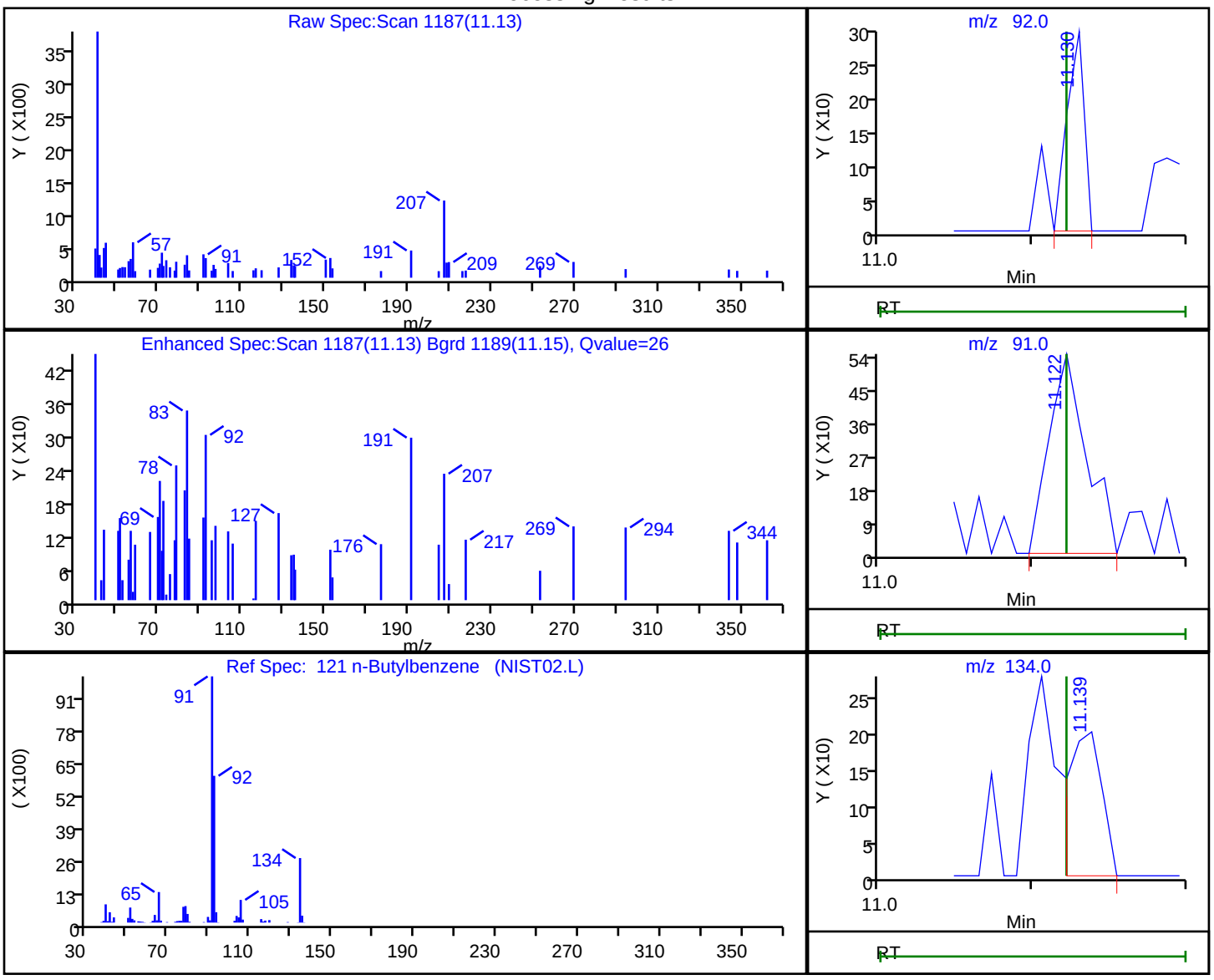
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 121 n-Butylbenzene, CAS: 104-51-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.13 | 92.00 | 233 | 0.021634 |
| 11.12 | 91.00 | 932 | |
| 11.14 | 134.00 | 309 | |

Reviewer: boykink, 05-Jun-2018 05:33:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

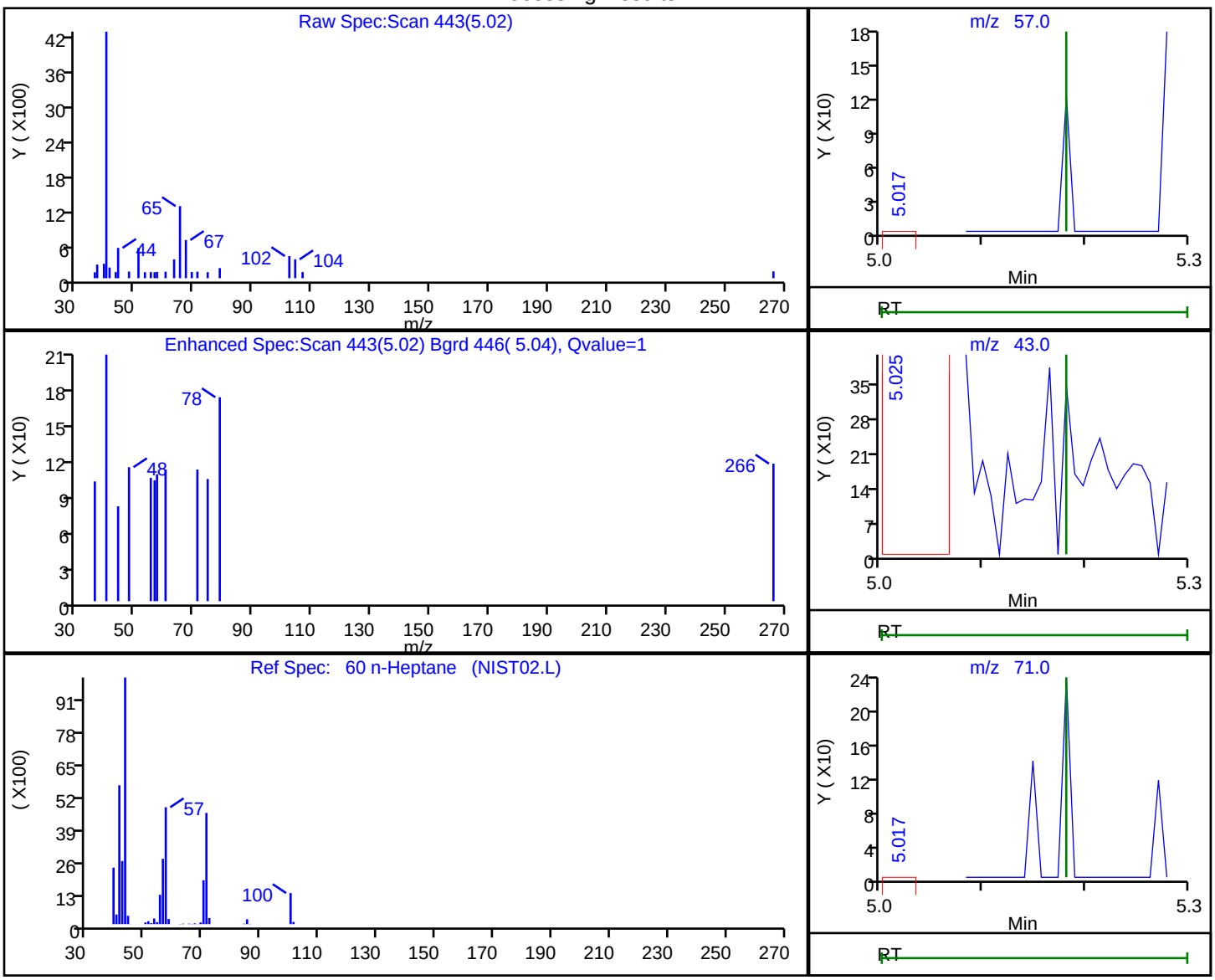
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 60 n-Heptane, CAS: 142-82-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.02 | 57.00 | 107 | 0.026445 |
| 5.03 | 43.00 | 585 | |
| 5.02 | 71.00 | 133 | |

Reviewer: boykink, 05-Jun-2018 05:33:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

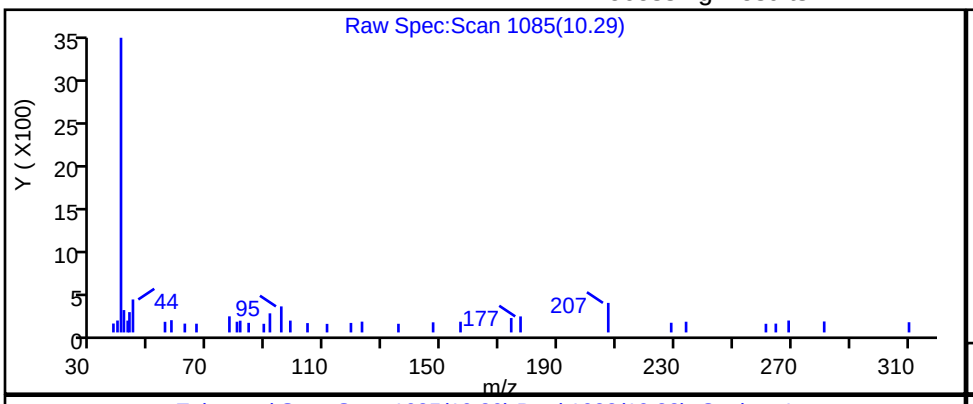
User Disabled Compound Report

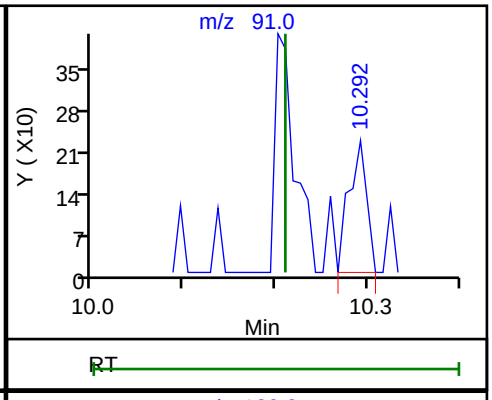
TestAmerica Edison

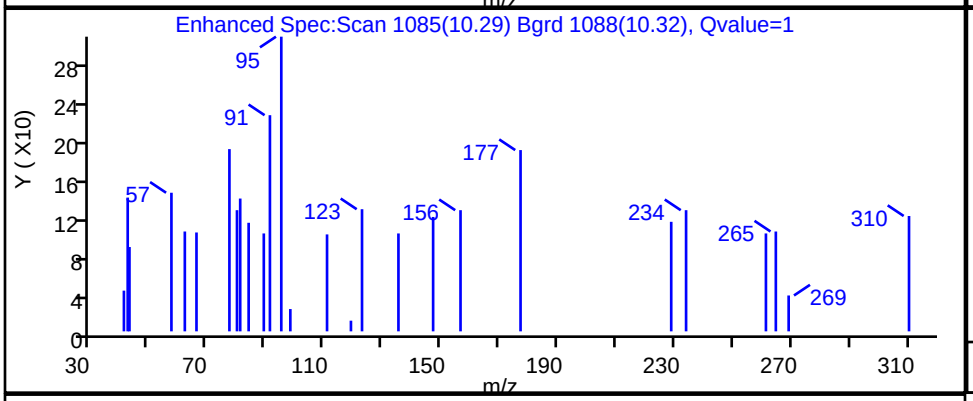
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

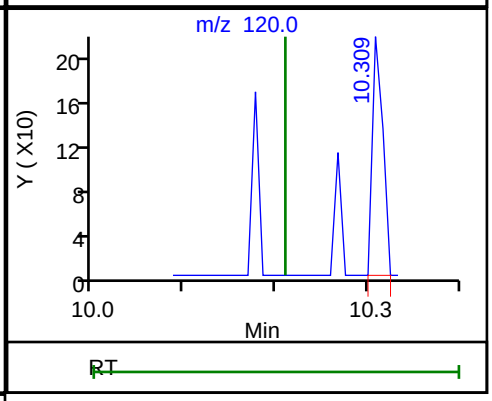
## 103 N-Propylbenzene, CAS: 103-65-1

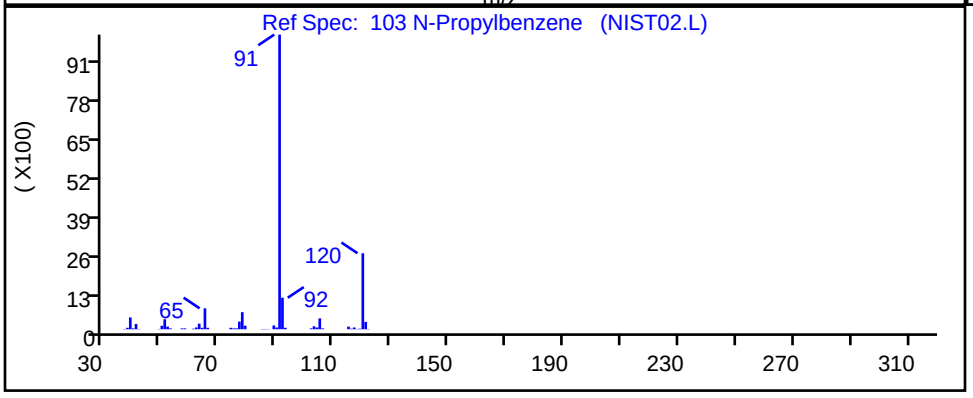
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.29 | 91.00 | 301 | 0.011016 |
| 10.31 | 120.00 | 169 | |

Reviewer: boykink, 05-Jun-2018 05:33:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

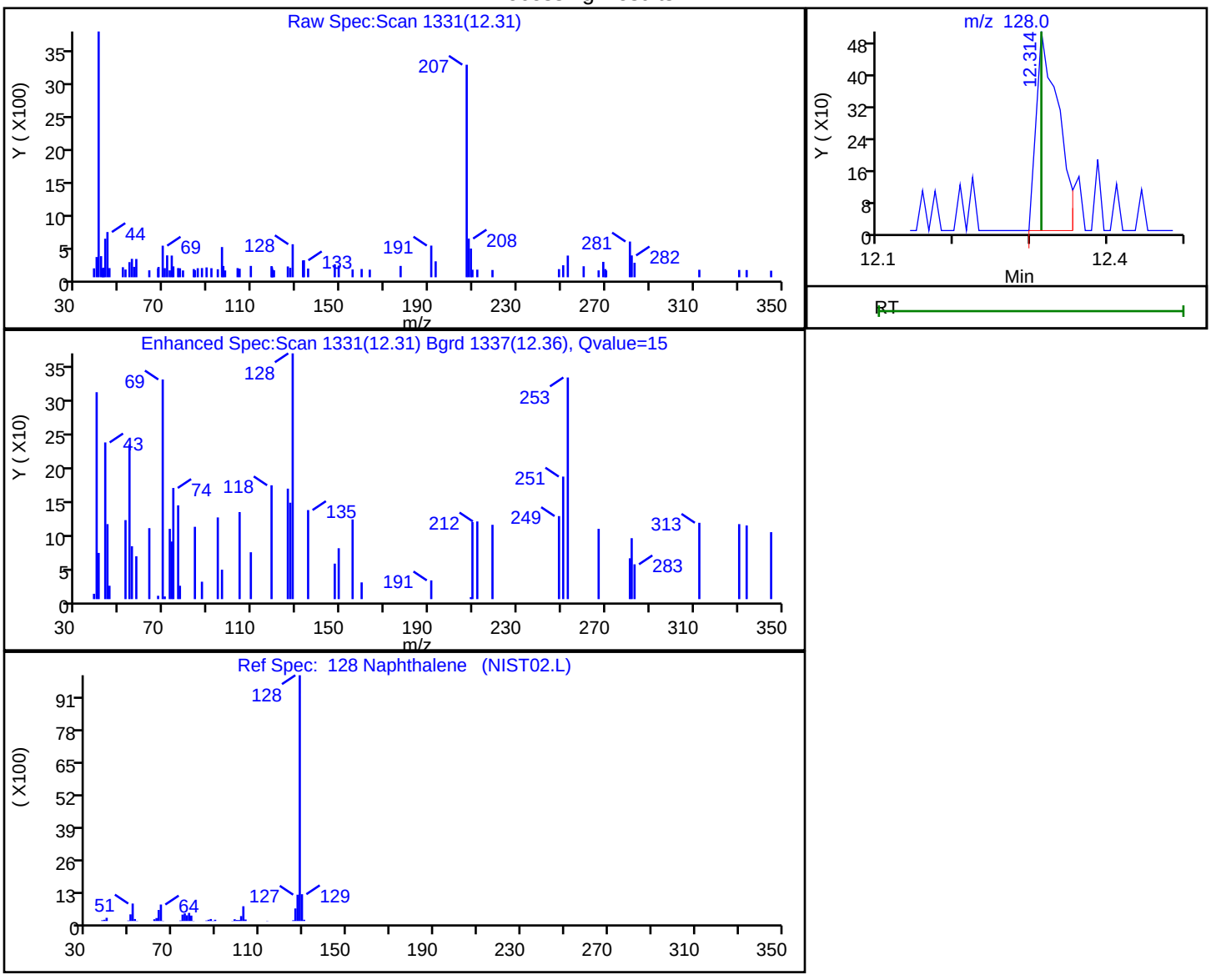
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 128 Naphthalene, CAS: 91-20-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 12.31 | 128.00 | 1019 | 0.064066 |

Reviewer: boykink, 05-Jun-2018 05:33:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

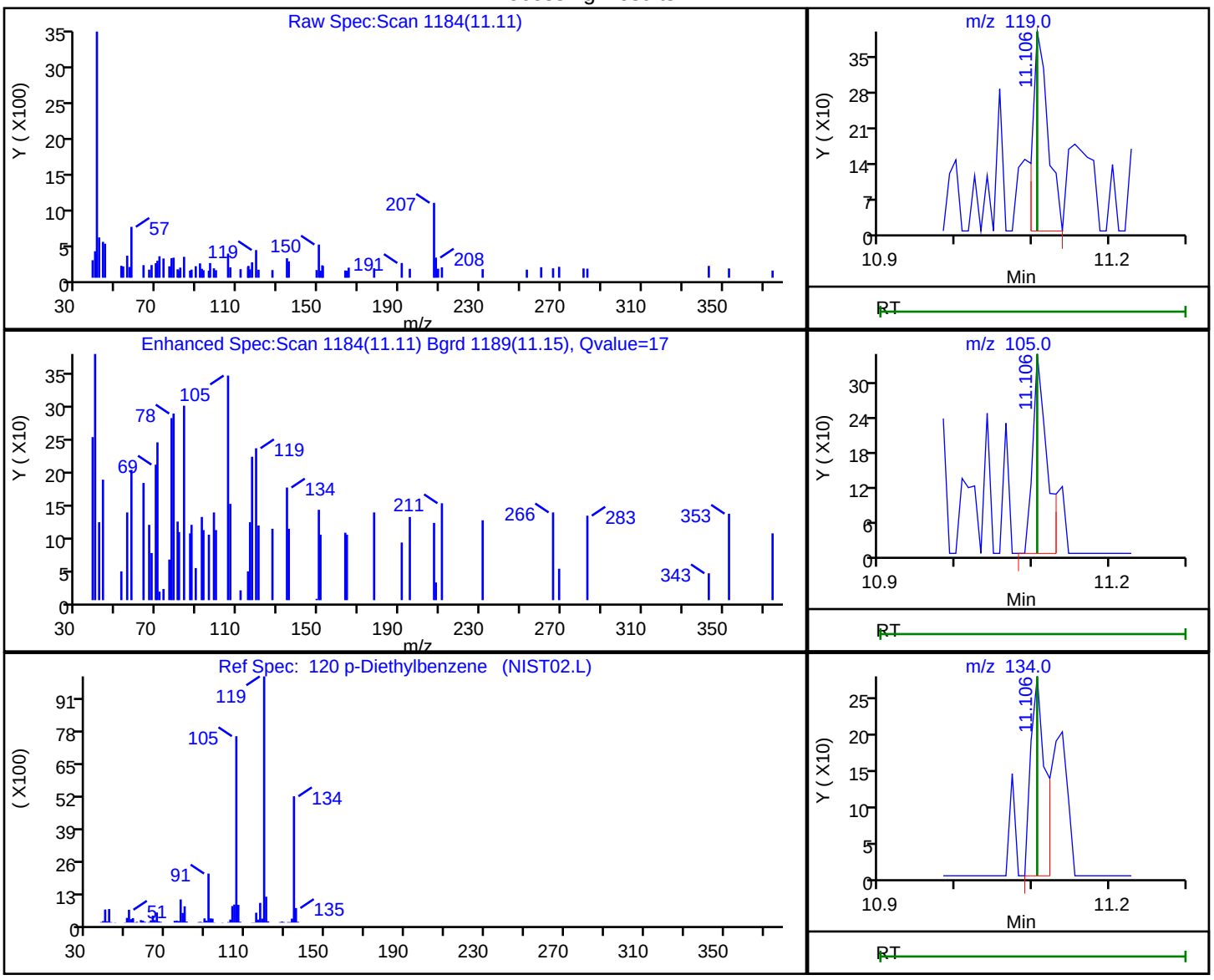
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 120 p-Diethylbenzene, CAS: 105-05-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.11 | 119.00 | 537 | 0.045088 |
| 11.11 | 105.00 | 441 | |
| 11.11 | 134.00 | 370 | |

Reviewer: boykink, 05-Jun-2018 05:33:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

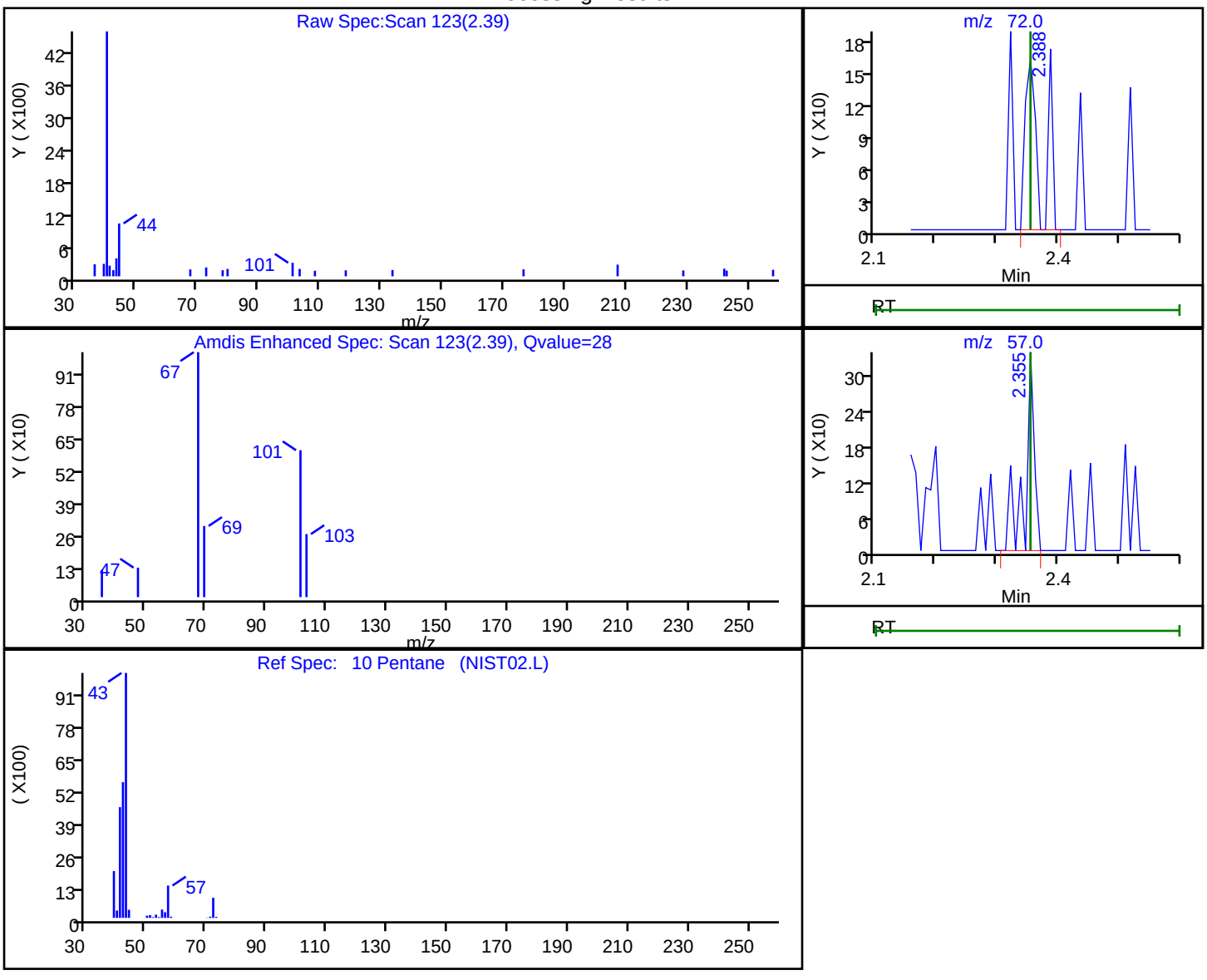
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 10 Pentane, CAS: 109-66-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.39 | 72.00 | 266 | 0.248933 |
| 2.35 | 57.00 | 353 | |

Reviewer: boykink, 05-Jun-2018 05:33:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

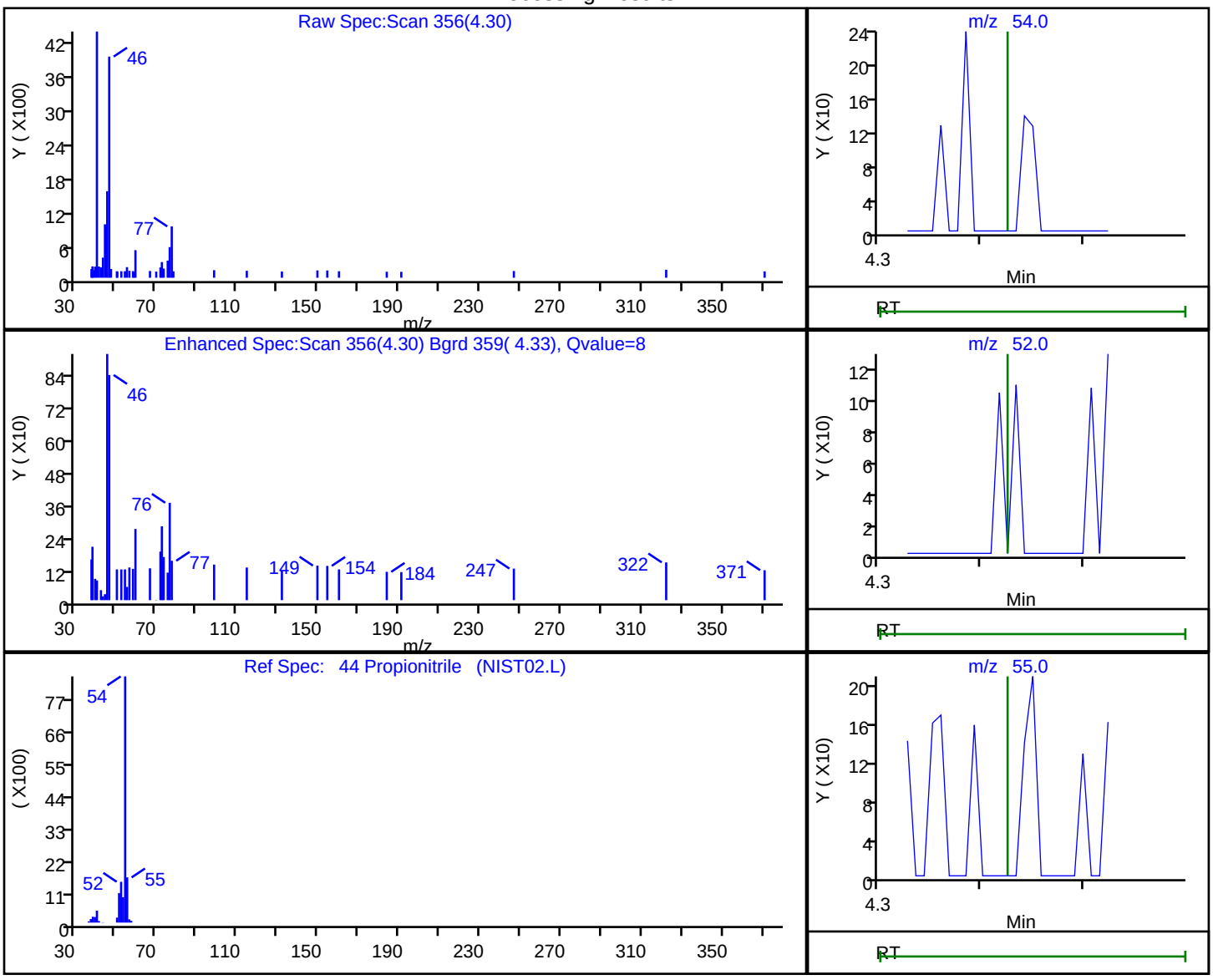
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 44 Propionitrile, CAS: 107-12-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.30 | 54.00 | 56 | 0.094001 |
| 4.31 | 52.00 | 127 | |
| 4.30 | 55.00 | 351 | |

Reviewer: boykink, 05-Jun-2018 05:33:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

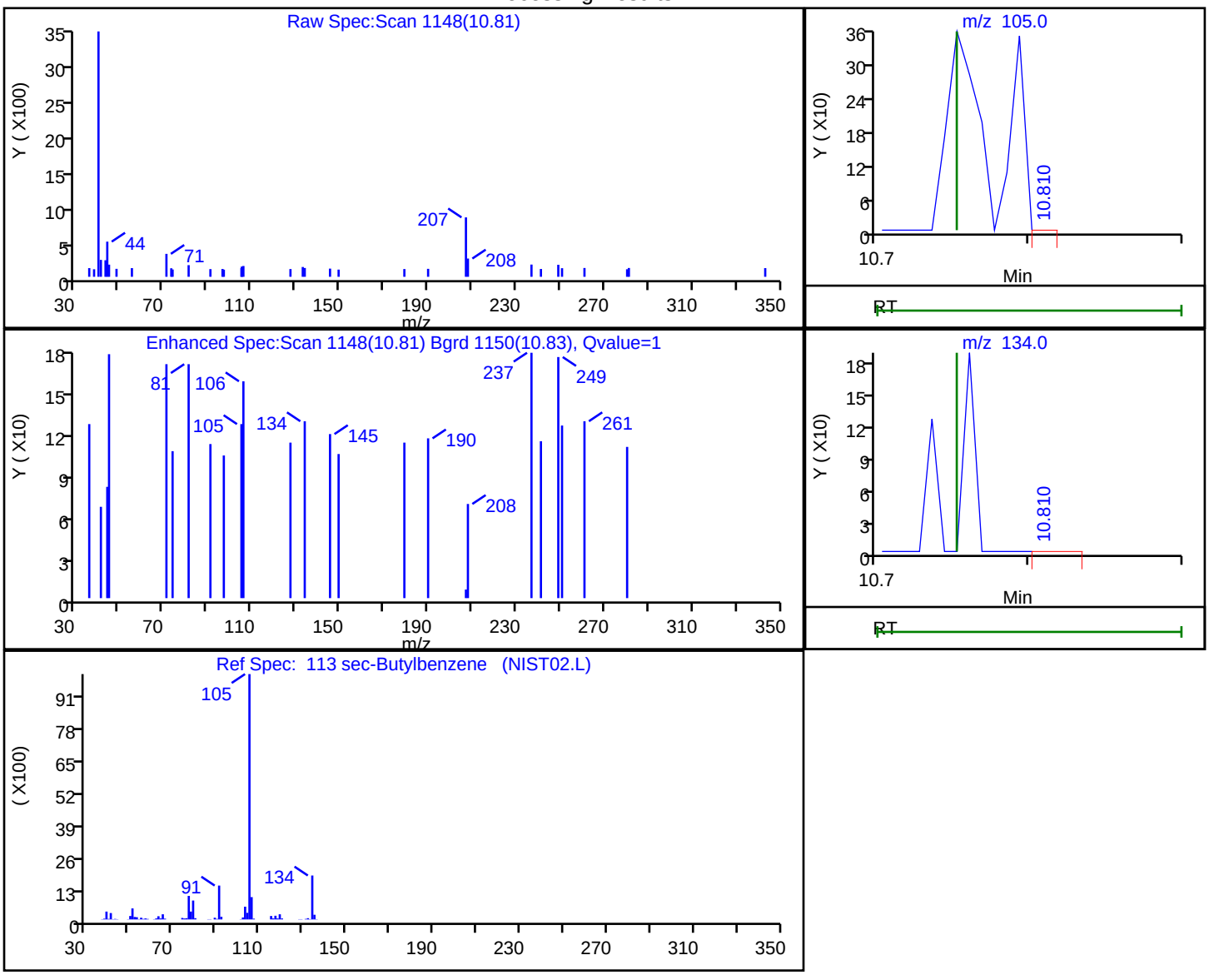
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 113 sec-Butylbenzene, CAS: 135-98-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.81 | 105.00 | 131 | 0.005446 |
| 10.81 | 134.00 | 112 | |

Reviewer: boykink, 05-Jun-2018 05:33:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

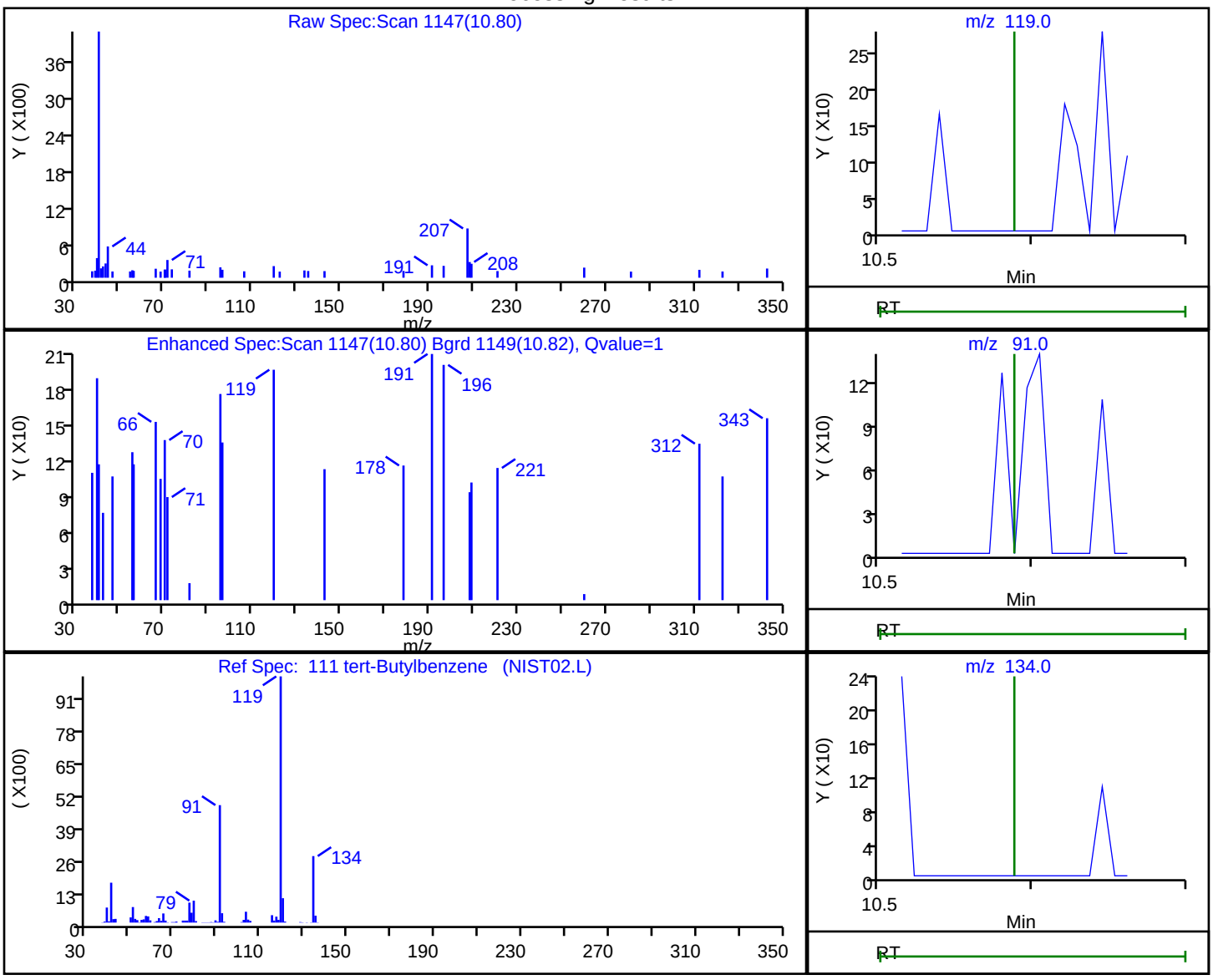
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 111 tert-Butylbenzene, CAS: 98-06-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.80 | 119.00 | 149 | 0.009866 |
| 10.79 | 91.00 | 54 | |
| 10.81 | 134.00 | 112 | |

Reviewer: boykink, 05-Jun-2018 05:33:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

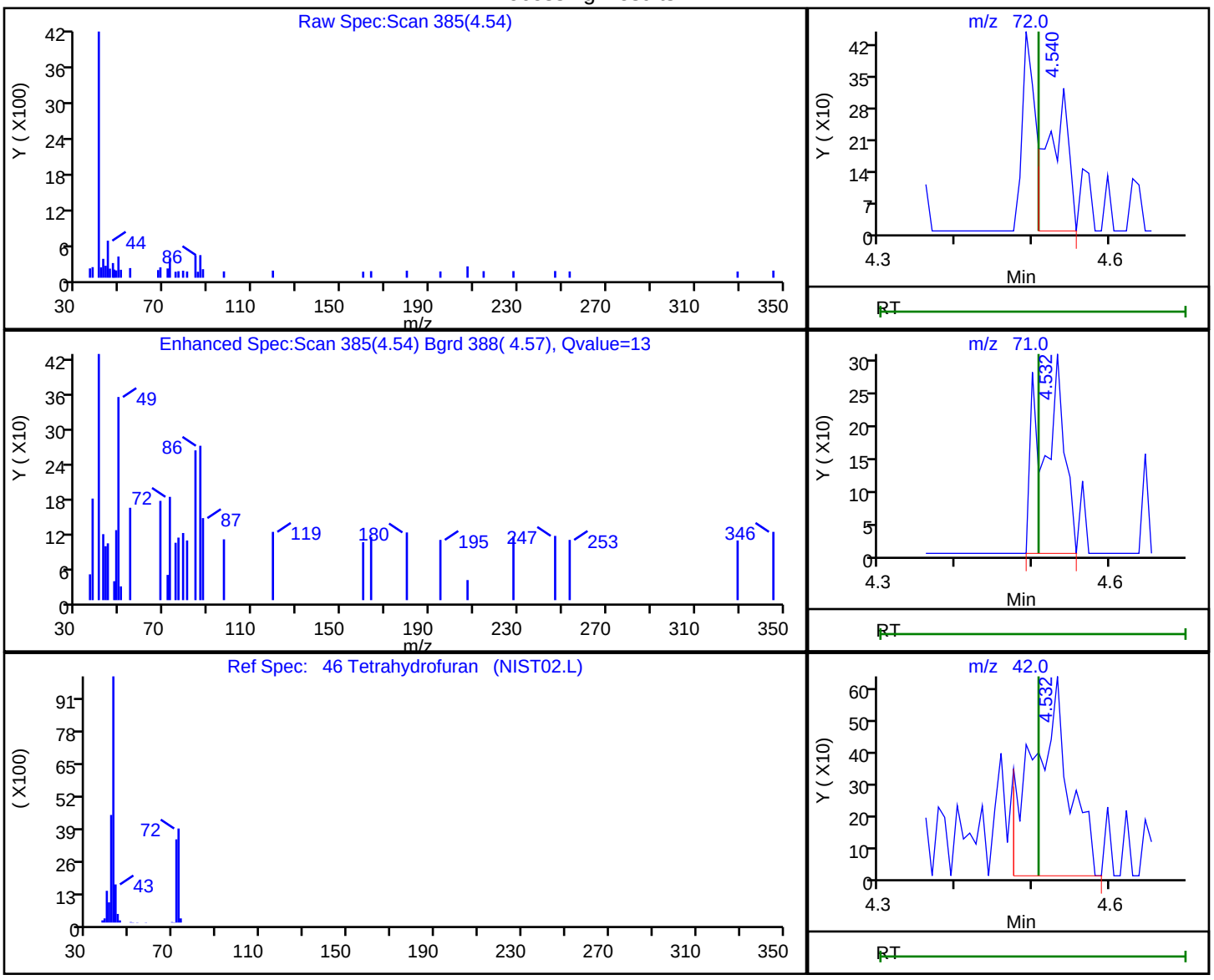
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 46 Tetrahydrofuran, CAS: 109-99-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.54 | 72.00 | 607 | 1.163449 |
| 4.53 | 71.00 | 628 | |
| 4.53 | 42.00 | 2116 | |

Reviewer: boykink, 05-Jun-2018 05:33:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

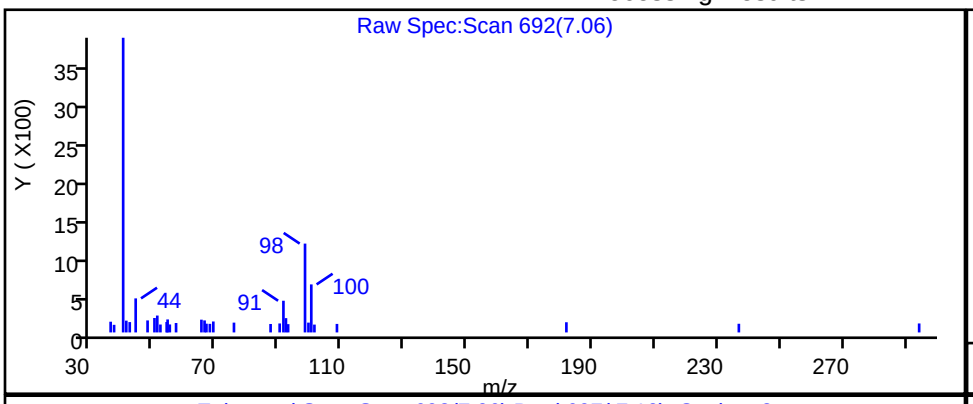
User Disabled Compound Report

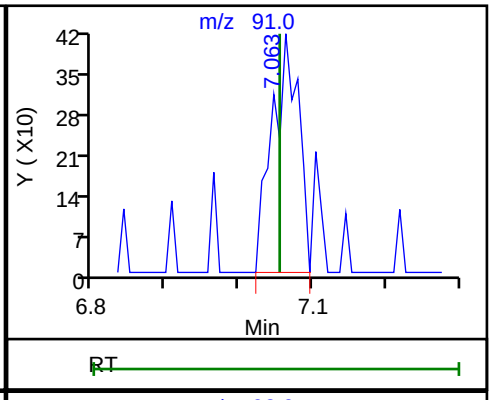
TestAmerica Edison

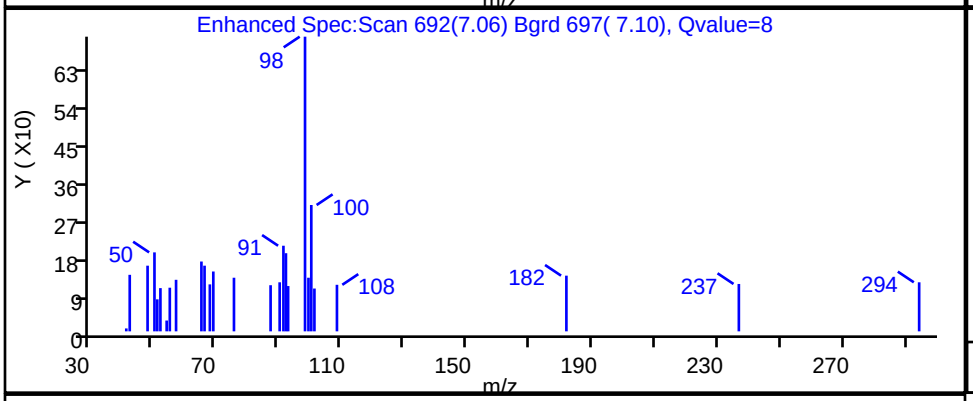
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 | | |
| Lims ID: | STD8 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 2 | Worklist Smp#: | 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

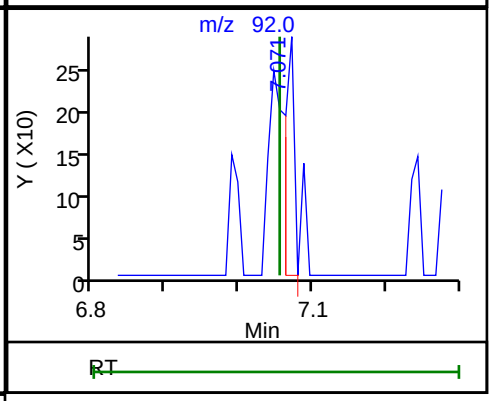
## 79 Toluene, CAS: 108-88-3

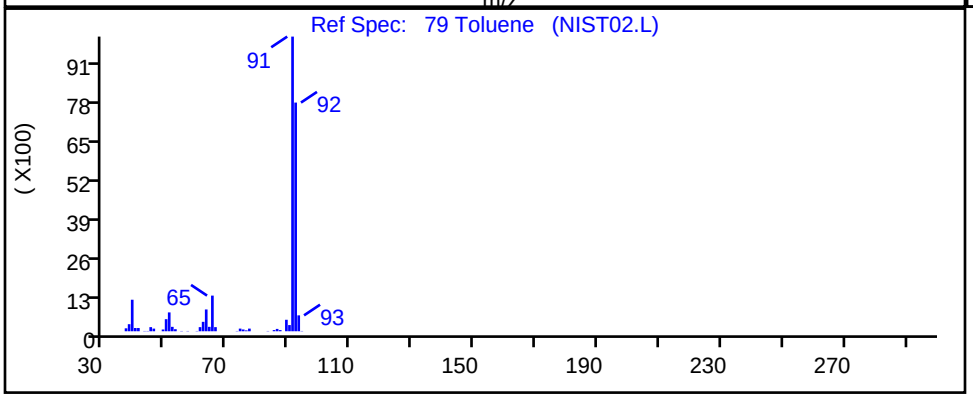
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.06 | 91.00 | 1048 | 0.047787 |
| 7.07 | 92.00 | 231 | |

Reviewer: boykink, 05-Jun-2018 05:33:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

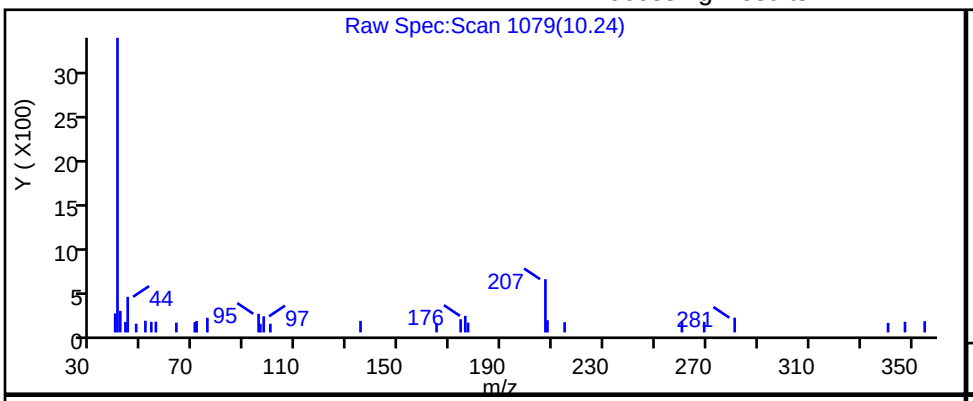
User Disabled Compound Report

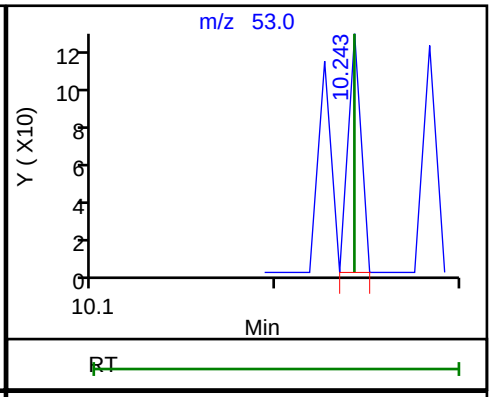
TestAmerica Edison

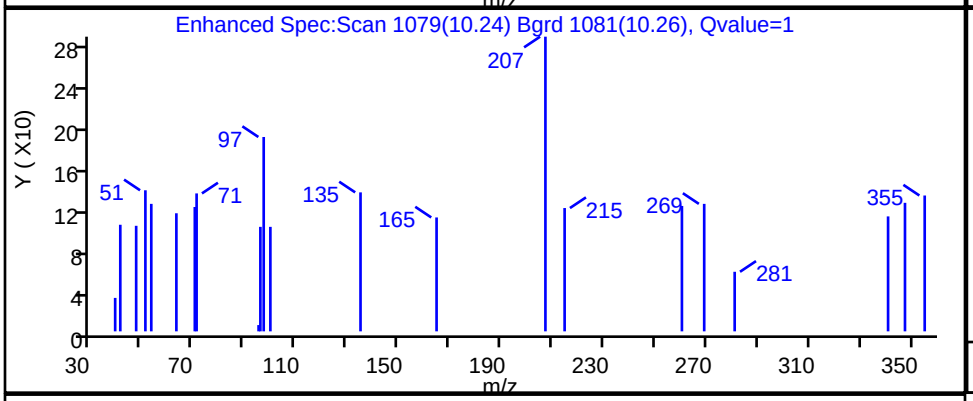
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D | | |
| Injection Date: | 05-Jun-2018 02:24:30 | Instrument ID: | CVOAMS6 |
| Lims ID: | STD8 | | |
| Client ID: | | | |
| Operator ID: | | ALS Bottle#: | 2 Worklist Smp#: 3 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

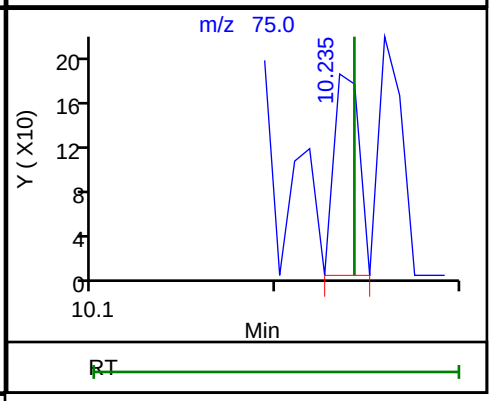
## 105 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

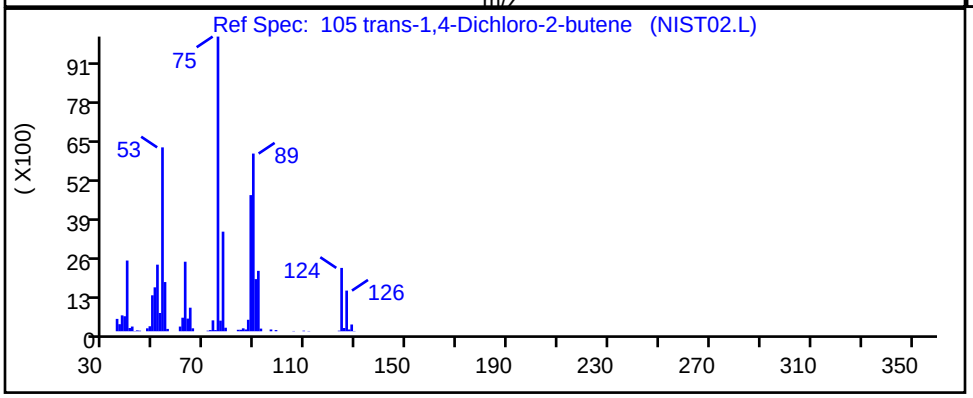
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.24 | 53.00 | 60 | 0.047959 |
| 10.23 | 75.00 | 171 | |

Reviewer: boykink, 05-Jun-2018 05:33:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

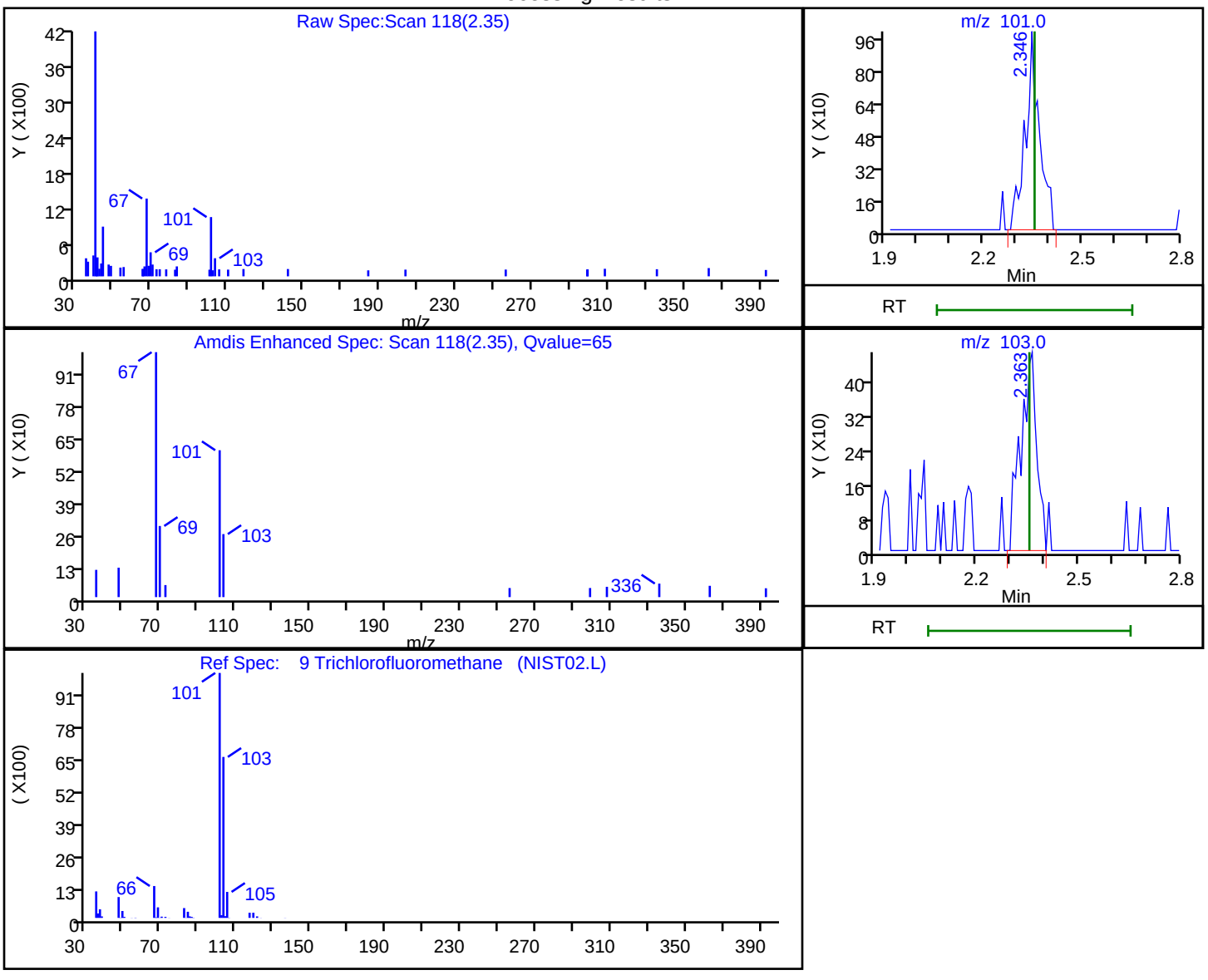
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 9 Trichlorofluoromethane, CAS: 75-69-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.35 | 101.00 | 2932 | 0.250000 |
| 2.36 | 103.00 | 1530 | |

Reviewer: boykink, 05-Jun-2018 03:01:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

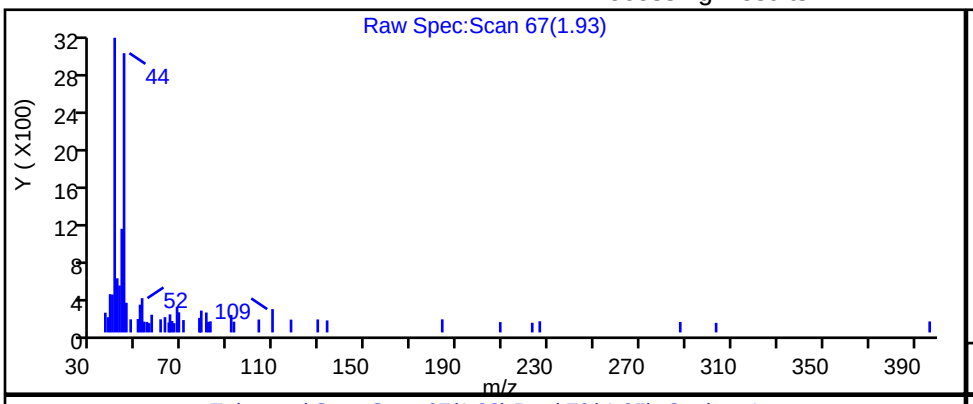
User Disabled Compound Report

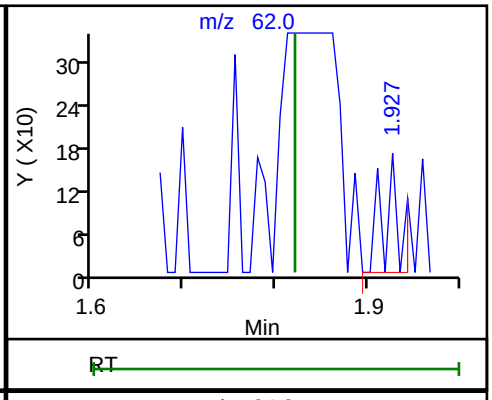
TestAmerica Edison

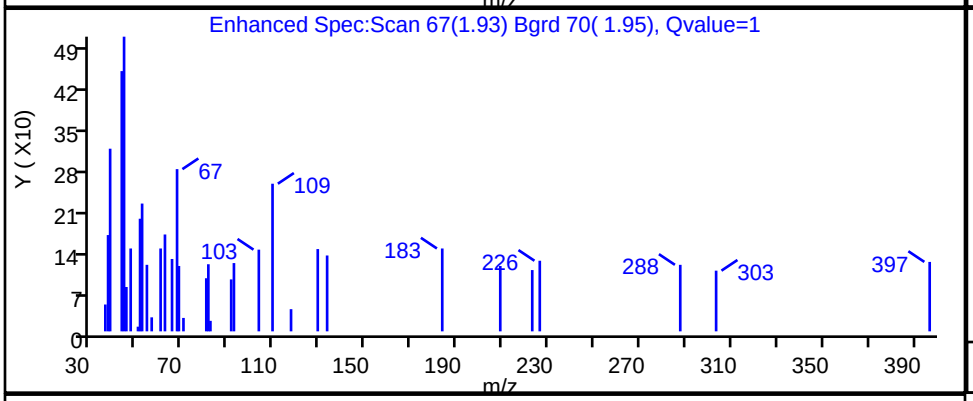
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65705.D
Injection Date: 05-Jun-2018 02:24:30 Instrument ID: CVOAMS6
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

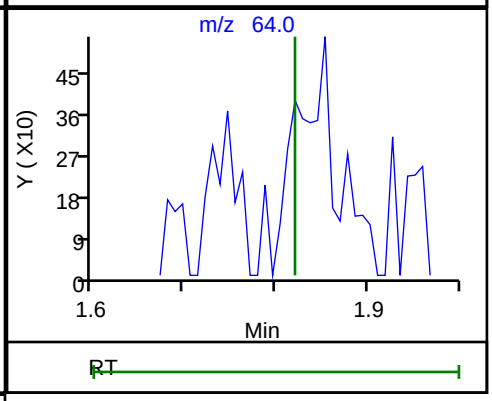
## 4 Vinyl chloride, CAS: 75-01-4

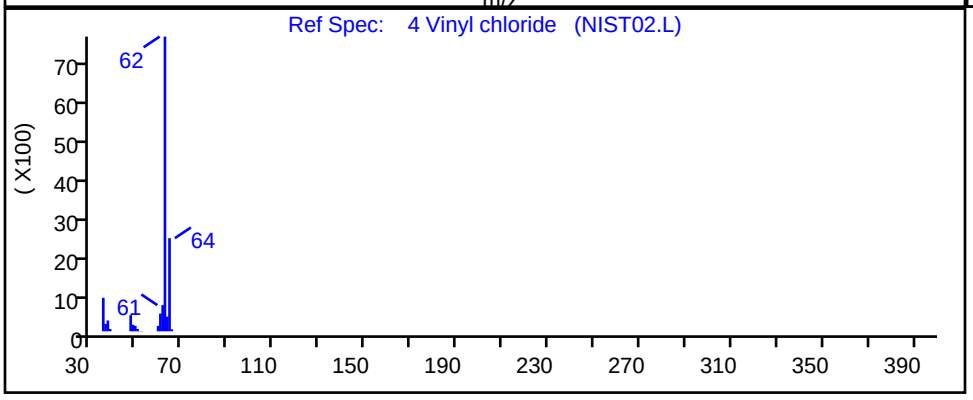
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.93 | 62.00 | 204 | 0.250000 |
| 1.93 | 64.00 | 881 | |

Reviewer: boykink, 05-Jun-2018 03:01:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Jun-2018 03:11:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0073199-005
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jun-2018 13:06:55 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: boykink Date: 05-Jun-2018 03:43:35

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.508 | 1.525 | -0.017 | 36 | 2547 | 1.00 | 0.8894 | |
| 2 Dichlorodifluoromethane | 85 | 1.558 | 1.557 | 0.001 | 97 | 7683 | 1.00 | 1.06 | |
| 3 Chloromethane | 50 | 1.730 | 1.730 | 0.000 | 99 | 9362 | 1.00 | 1.19 | |
| 4 Vinyl chloride | 62 | 1.821 | 1.820 | 0.001 | 96 | 8354 | 1.00 | 1.13 | |
| 5 Butadiene | 54 | 1.812 | 1.820 | -0.008 | 95 | 7433 | 1.00 | 1.04 | |
| 6 Bromomethane | 94 | 2.100 | 2.100 | 0.000 | 97 | 6025 | 1.00 | 1.23 | |
| 7 Chloroethane | 64 | 2.157 | 2.157 | 0.000 | 96 | 5077 | 1.00 | 1.19 | |
| 8 Dichlorofluoromethane | 67 | 2.330 | 2.338 | -0.008 | 97 | 13012 | 1.00 | 1.20 | |
| 10 Pentane | 72 | 2.363 | 2.355 | 0.008 | 96 | 1866 | 2.00 | 1.97 | |
| 9 Trichlorofluoromethane | 101 | 2.346 | 2.355 | -0.009 | 64 | 8715 | 1.00 | 1.12 | |
| 12 Ethyl ether | 59 | 2.535 | 2.544 | -0.009 | 81 | 3552 | 1.00 | 1.01 | |
| 11 Ethanol | 46 | 2.576 | 2.552 | 0.024 | 24 | 598 | 40.0 | 47.0 | Ma |
| 13 2-Methyl-1,3-butadiene | 53 | 2.568 | 2.568 | 0.000 | 85 | 4751 | 1.00 | 1.15 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.593 | 2.601 | -0.008 | 77 | 4458 | 1.00 | 1.14 | |
| 15 Acrolein | 56 | 2.708 | 2.724 | -0.016 | 36 | 2352 | 4.00 | 4.83 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.716 | 2.732 | -0.016 | 73 | 4601 | 1.00 | 1.01 | |
| 17 1,1-Dichloroethene | 96 | 2.749 | 2.757 | -0.008 | 98 | 4687 | 1.00 | 1.10 | |
| 18 Acetone | 43 | 2.856 | 2.848 | 0.008 | 67 | 9981 | 5.00 | 5.00 | |
| 19 Iodomethane | 142 | 2.905 | 2.905 | 0.000 | 98 | 8421 | 1.00 | 1.12 | |
| 20 Isopropyl alcohol | 45 | 2.946 | 2.938 | 0.008 | 26 | 1930 | 10.0 | 10.3 | |
| 21 Carbon disulfide | 76 | 2.938 | 2.946 | -0.008 | 99 | 18498 | 1.00 | 1.11 | |
| 22 3-Chloro-1-propene | 41 | 3.061 | 3.061 | 0.000 | 89 | 9925 | 1.00 | 1.10 | |
| 23 Cyclopentene | 67 | 3.078 | 3.078 | 0.000 | 75 | 11690 | 1.00 | 1.06 | |
| 24 Methyl acetate | 43 | 3.078 | 3.078 | 0.000 | 52 | 5799 | 2.00 | 2.17 | |
| 25 Acetonitrile | 41 | 3.193 | 3.143 | 0.050 | 22 | 2301 | 10.0 | 10.1 | a |
| 27 Methylene Chloride | 84 | 3.185 | 3.184 | 0.001 | 81 | 5715 | 1.00 | 1.11 | |
| * 26 TBA-d9 (IS) | 65 | 3.209 | 3.201 | 0.008 | 0 | 123599 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.267 | 3.267 | 0.000 | 28 | 3777 | 10.0 | 10.6 | |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.341 | 0.008 | 95 | 13357 | 1.00 | 1.04 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.365 | 3.373 | -0.008 | 93 | 5612 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.447 | 3.447 | 0.000 | 98 | 15556 | 10.0 | 9.86 | |
| 32 Hexane | 43 | 3.513 | 3.521 | -0.008 | 91 | 4989 | 1.00 | 1.20 | |
| 33 Isopropyl ether | 45 | 3.710 | 3.719 | -0.009 | 94 | 17754 | 1.00 | 1.11 | |
| 34 1,1-Dichloroethane | 63 | 3.760 | 3.760 | 0.000 | 74 | 9776 | 1.00 | 1.13 | |
| 35 Vinyl acetate | 86 | 3.768 | 3.768 | 0.000 | 99 | 1481 | 2.00 | 1.83 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.801 | 3.809 | -0.008 | 91 | 4235 | 1.00 | 1.05 | |
| 37 Tert-butyl ethyl ether | 59 | 4.031 | 4.031 | 0.000 | 89 | 16471 | 1.00 | 1.12 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.236 | 0.000 | 0 | 108053 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.269 | 4.261 | 0.008 | 51 | 1853 | 1.00 | 1.07 | a |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 95 | 5939 | 1.00 | 1.13 | |
| 42 Ethyl acetate | 70 | 4.294 | 4.285 | 0.009 | 53 | 557 | 2.00 | 1.48 | |
| 41 2-Butanone (MEK) | 72 | 4.310 | 4.294 | 0.016 | 96 | 1814 | 5.00 | 4.71 | |
| 43 Methyl acrylate | 55 | 4.335 | 4.343 | -0.008 | 10 | 3198 | 1.00 | 1.06 | |
| 44 Propionitrile | 54 | 4.450 | 4.425 | 0.025 | 92 | 4646 | 10.0 | 8.44 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 93 | 2486 | 1.00 | 1.05 | |
| 46 Tetrahydrofuran | 72 | 4.507 | 4.507 | 0.000 | 50 | 1051 | 2.00 | 2.24 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 93 | 15958 | 10.0 | 10.3 | |
| 48 Chloroform | 83 | 4.549 | 4.548 | 0.001 | 98 | 8615 | 1.00 | 1.09 | |
| 49 Cyclohexane | 84 | 4.680 | 4.680 | 0.000 | 89 | 6340 | 1.00 | 0.9129 | |
| 50 1,1,1-Trichloroethane | 97 | 4.696 | 4.696 | 0.000 | 81 | 7845 | 1.00 | 1.12 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 96 | 80506 | 50.0 | 51.8 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.811 | 0.009 | 98 | 6049 | 1.00 | 1.07 | |
| 53 1,1-Dichloropropene | 75 | 4.836 | 4.836 | 0.000 | 95 | 6796 | 1.00 | 1.08 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.992 | 0.000 | 37 | 5057 | 25.0 | 20.9 | a |
| 55 Benzene | 78 | 5.033 | 5.041 | -0.008 | 95 | 20068 | 1.00 | 1.13 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.050 | 5.050 | 0.000 | 0 | 94842 | 50.0 | 50.3 | |
| 58 Tert-amyl methyl ether | 73 | 5.091 | 5.091 | 0.000 | 85 | 15186 | 1.00 | 1.02 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 82 | 12701 | 1.00 | 1.05 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.124 | 0.008 | 92 | 6776 | 1.00 | 1.14 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 92 | 3295 | 1.00 | 0.9746 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 314816 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.715 | 5.658 | 0.057 | 22 | 258 | 25.0 | 25.7 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 94 | 5180 | 1.00 | 1.11 | |
| 65 Ethyl acrylate | 55 | 5.798 | 5.797 | 0.001 | 91 | 9716 | 1.00 | 0.9437 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.797 | 0.001 | 91 | 8161 | 1.00 | 1.01 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 87 | 5292 | 1.00 | 1.10 | |
| 68 Methyl methacrylate | 100 | 6.028 | 6.027 | 0.001 | 87 | 1689 | 2.00 | 1.83 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.052 | 6.027 | 0.025 | 0 | 10468 | 1000.0 | 1000.0 | |
| 70 n-Propyl acetate | 43 | 6.085 | 6.085 | 0.000 | 97 | 4476 | 1.00 | 0.9571 | a |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 93 | 3071 | 1.00 | 1.13 | |
| 69 1,4-Dioxane | 88 | 6.134 | 6.101 | 0.033 | 28 | 1077 | 50.0 | 25.0 | |
| 72 Dichlorobromomethane | 83 | 6.233 | 6.241 | -0.008 | 96 | 6205 | 1.00 | 1.03 | |
| 73 2-Nitropropane | 41 | 6.578 | 6.570 | 0.008 | 36 | 2775 | 2.00 | 1.97 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.578 | 6.570 | 0.008 | 55 | 2442 | 1.00 | 1.04 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 95 | 5867 | 20.0 | 18.5 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 93 | 6901 | 1.00 | 1.05 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.907 | 6.898 | 0.009 | 94 | 15527 | 5.00 | 4.44 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 98 | 303576 | 50.0 | 50.9 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 93 | 20258 | 1.00 | 1.13 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 96 | 5411 | 1.00 | 0.99 | |
| 81 Ethyl methacrylate | 69 | 7.441 | 7.433 | 0.008 | 79 | 3949 | 1.00 | 0.8628 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 93 | 3341 | 1.00 | 1.10 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.663 | 7.671 | -0.008 | 94 | 4865 | 1.00 | 1.15 | |
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 93 | 5857 | 1.00 | 1.03 | |
| 85 2-Hexanone | 43 | 7.917 | 7.893 | 0.024 | 98 | 5567 | 5.00 | 5.03 | a |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 35 | 5277 | 1.00 | 0.9685 | a |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 95 | 3752 | 1.00 | 1.01 | |
| 88 Ethylene Dibromide | 107 | 8.230 | 8.221 | 0.009 | 98 | 3019 | 1.00 | 0.9556 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 87 | 205343 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 91 | 11385 | 1.00 | 1.05 | |
| 91 Ethylbenzene | 106 | 8.895 | 8.903 | -0.008 | 98 | 7024 | 1.00 | 1.10 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 92 | 4481 | 1.00 | 1.09 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 7468 | 1.00 | 0.9815 | |
| 94 n-Butyl acrylate | 73 | 9.536 | 9.495 | 0.041 | 39 | 3496 | 1.00 | 1.15 | a |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 93 | 8133 | 1.00 | 1.03 | |
| 96 Styrene | 104 | 9.544 | 9.536 | 0.008 | 96 | 10671 | 1.00 | 0.9037 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.750 | 9.717 | 0.033 | 68 | 4498 | 1.00 | 1.01 | |
| 98 Bromoform | 173 | 9.750 | 9.742 | 0.008 | 91 | 2201 | 1.00 | 0.9755 | |
| 99 Isopropylbenzene | 105 | 9.848 | 9.848 | 0.000 | 95 | 21157 | 1.00 | 1.07 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.037 | 10.029 | 0.008 | 92 | 85396 | 50.0 | 50.4 | |
| 101 Bromobenzene | 156 | 10.152 | 10.152 | 0.000 | 96 | 5069 | 1.00 | 1.03 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.194 | 10.185 | 0.009 | 93 | 5201 | 1.00 | 1.08 | |
| 103 N-Propylbenzene | 91 | 10.210 | 10.210 | 0.000 | 100 | 26566 | 1.00 | 1.11 | |
| 104 1,2,3-Trichloropropane | 110 | 10.235 | 10.226 | 0.009 | 91 | 1335 | 1.00 | 1.02 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.259 | 10.243 | 0.016 | 61 | 1347 | 1.00 | 1.12 | a |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 96 | 20862 | 1.00 | 1.04 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 95 | 17320 | 1.00 | 1.03 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.358 | 10.358 | 0.000 | 92 | 18270 | 1.00 | 1.04 | |
| 109 4-Chlorotoluene | 91 | 10.399 | 10.391 | 0.008 | 97 | 16134 | 1.00 | 1.07 | |
| 110 Butyl Methacrylate | 87 | 10.440 | 10.432 | 0.008 | 92 | 3822 | 1.00 | 1.01 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 93 | 13638 | 1.00 | 0.9858 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 18386 | 1.00 | 1.04 | |
| 113 sec-Butylbenzene | 105 | 10.744 | 10.752 | -0.008 | 98 | 21826 | 1.00 | 1.03 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 98 | 18304 | 1.00 | 1.01 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 97 | 10885 | 1.00 | 1.12 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 97 | 120389 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 94 | 10945 | 1.00 | 1.11 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 97 | 19925 | 1.00 | 1.06 | |
| 118 Benzyl chloride | 91 | 11.032 | 11.023 | 0.009 | 98 | 8516 | 1.00 | 0.9291 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 94 | 20230 | 1.00 | 1.11 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 91 | 11929 | 1.00 | 1.11 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 98 | 10214 | 1.00 | 1.04 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 93 | 10586 | 1.00 | 1.10 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.582 | 11.574 | 0.008 | 97 | 18996 | 1.00 | 1.09 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.664 | 11.656 | 0.008 | 49 | 1271 | 1.00 | 1.00 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.738 | 0.009 | 92 | 8002 | 1.00 | 1.08 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.149 | 12.141 | 0.008 | 94 | 6133 | 1.00 | 0.9613 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.198 | 0.009 | 89 | 3302 | 1.00 | 1.12 | |
| 128 Naphthalene | 128 | 12.322 | 12.313 | 0.009 | 99 | 15668 | 1.00 | 1.08 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.486 | 12.478 | 0.008 | 93 | 6797 | 1.00 | 1.15 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 2.00 | 2.31 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 2.00 | 2.01 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 14DIOXINTER_00084 | Amount Added: | 30.00 | Units: uL | |
| GAS Hi_00257 | Amount Added: | 1.00 | Units: uL | |
| MIX I Hi_00094 | Amount Added: | 1.00 | Units: uL | |
| MIX 2 Hi_00071 | Amount Added: | 1.00 | Units: uL | |
| Ethanol mix_00016 | Amount Added: | 1.00 | Units: uL | |
| ACROLEIN W_00077 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00010 | Amount Added: | 5.00 | Units: uL | Run Reagent |

Report Date: 07-Jun-2018 13:07:01 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D

Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6 Operator ID:

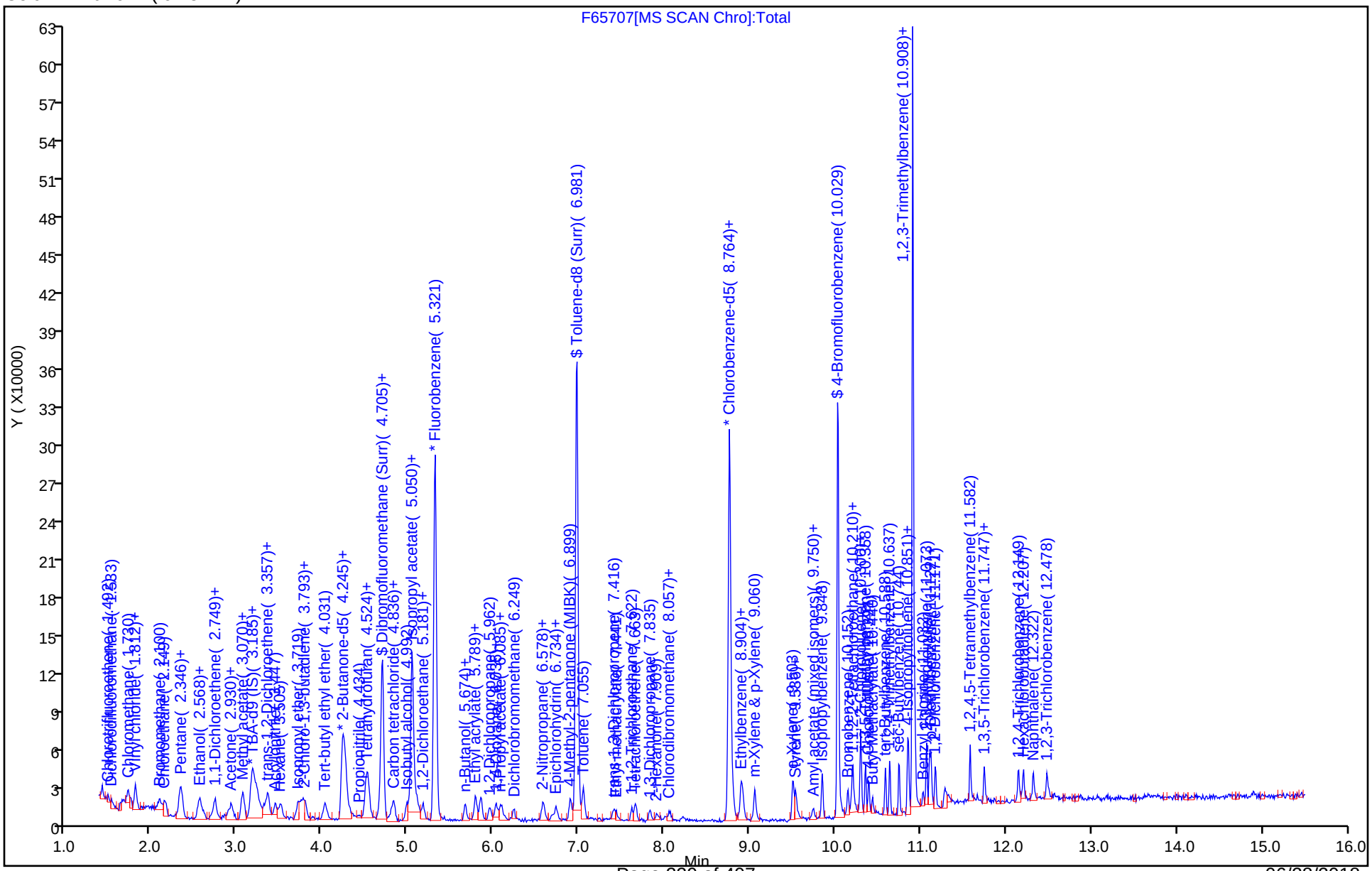
Lims ID: STD1 Worklist Smp#: 5

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

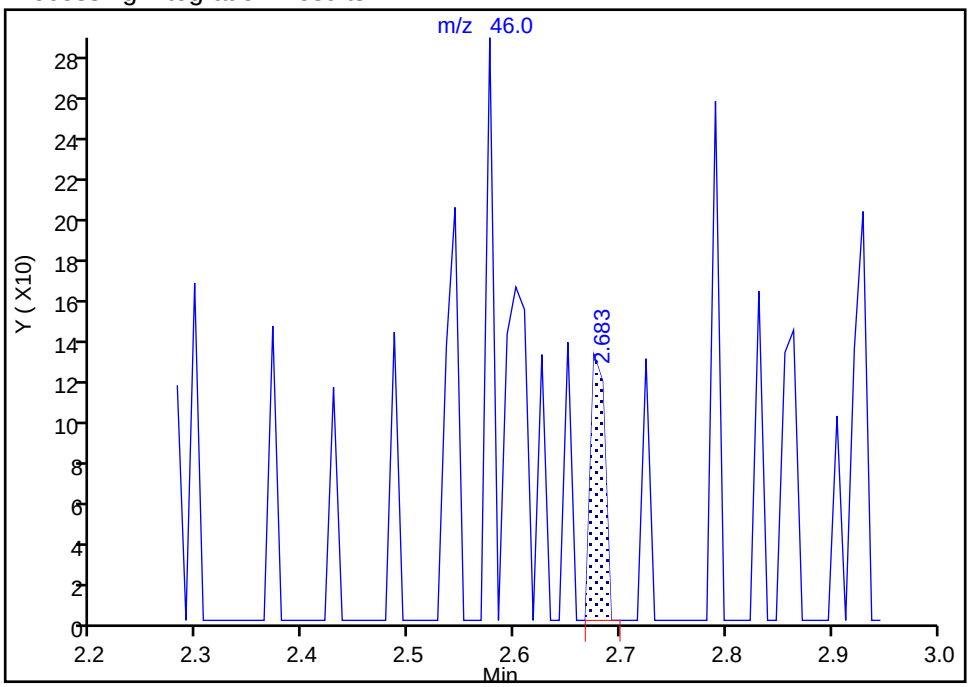
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 Ethanol, CAS: 64-17-5

Signal: 1

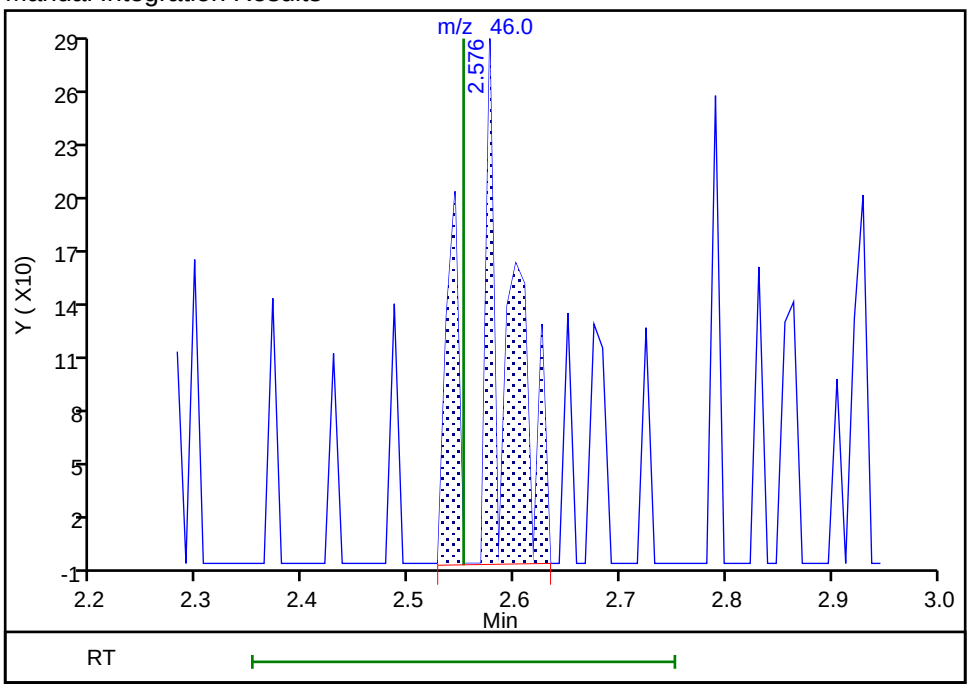
Processing Integration Results

RT: 2.68
Area: 122
Amount: 10.275111
Amount Units: ug/l




Manual Integration Results

RT: 2.58
Area: 598
Amount: 46.977048
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 10:34:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

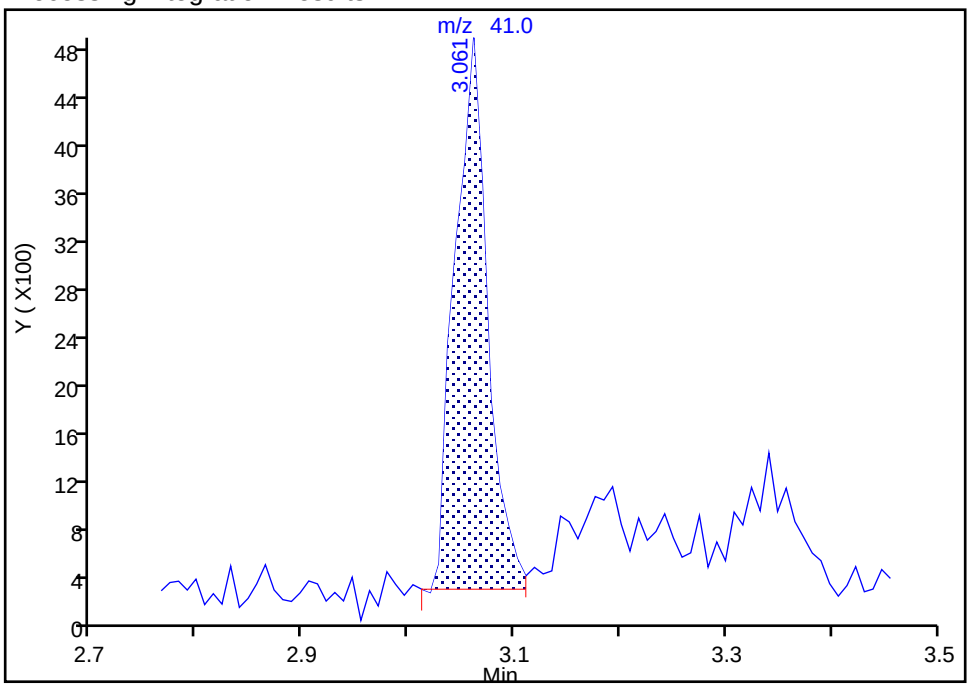
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 25 Acetonitrile, CAS: 75-05-8

Signal: 1

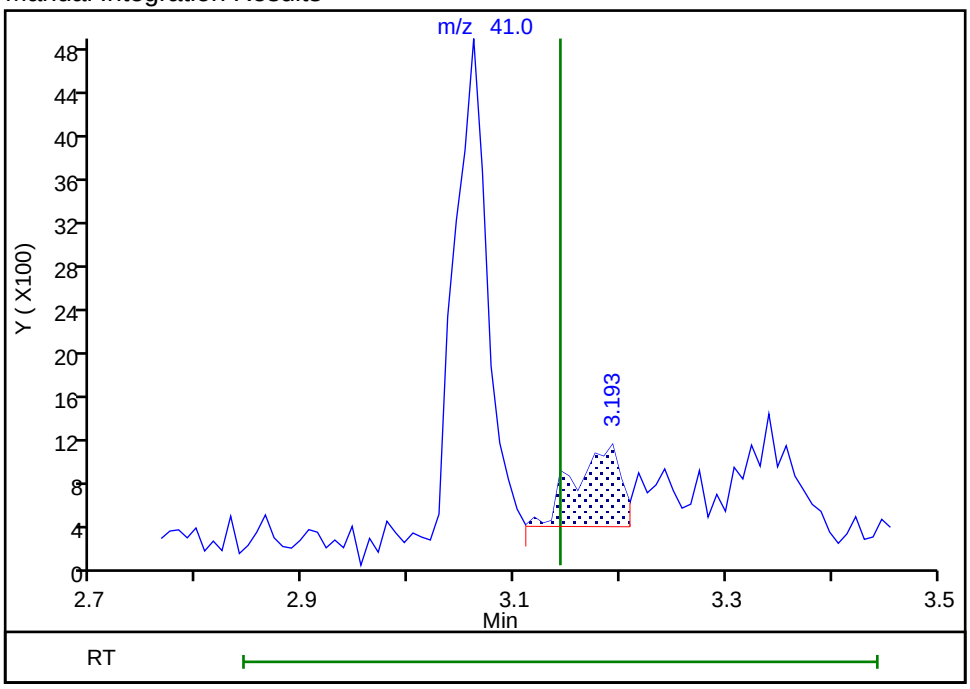
Processing Integration Results

RT: 3.06
Area: 9765
Amount: 10.000000
Amount Units: ug/l




Manual Integration Results

RT: 3.19
Area: 2301
Amount: 10.134569
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 03:45:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

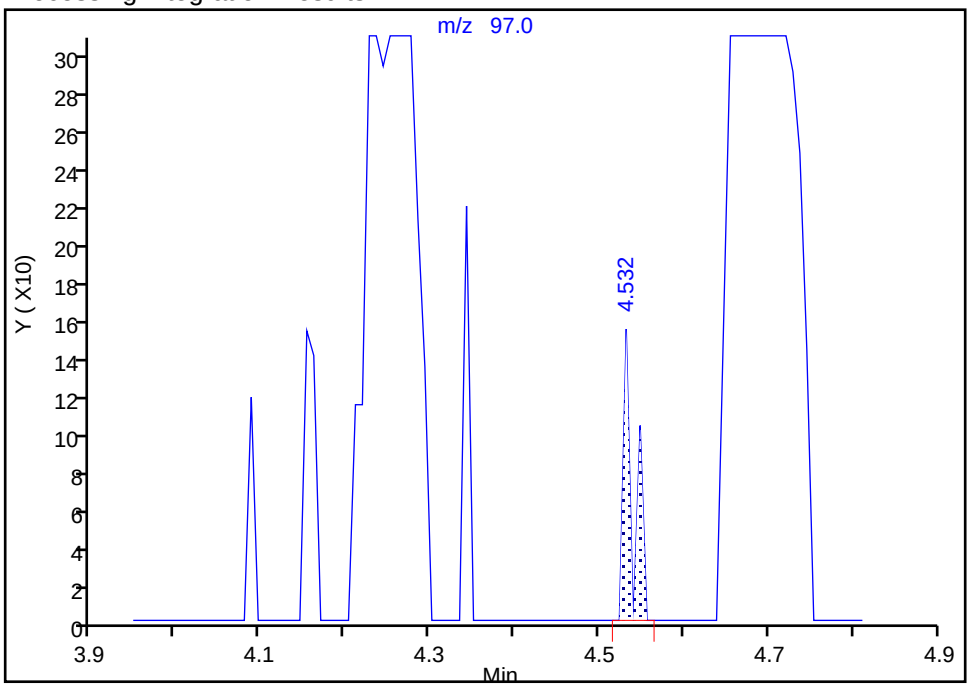
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 39 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

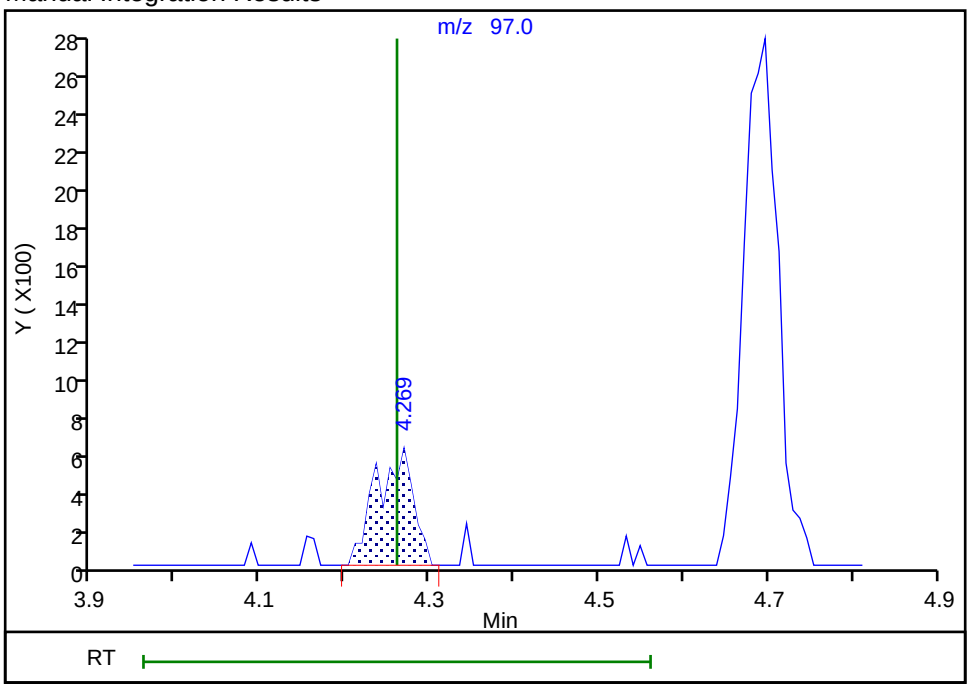
Processing Integration Results

RT: 4.53
Area: 127
Amount: 0.022365
Amount Units: ug/l




Manual Integration Results

RT: 4.27
Area: 1853
Amount: 1.073936
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 03:41:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

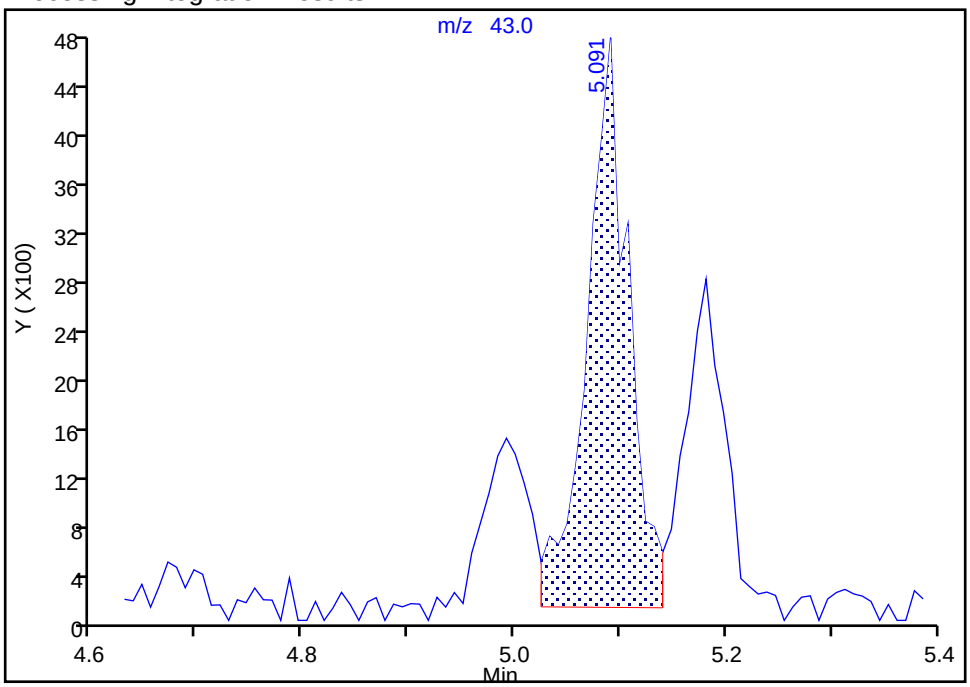
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

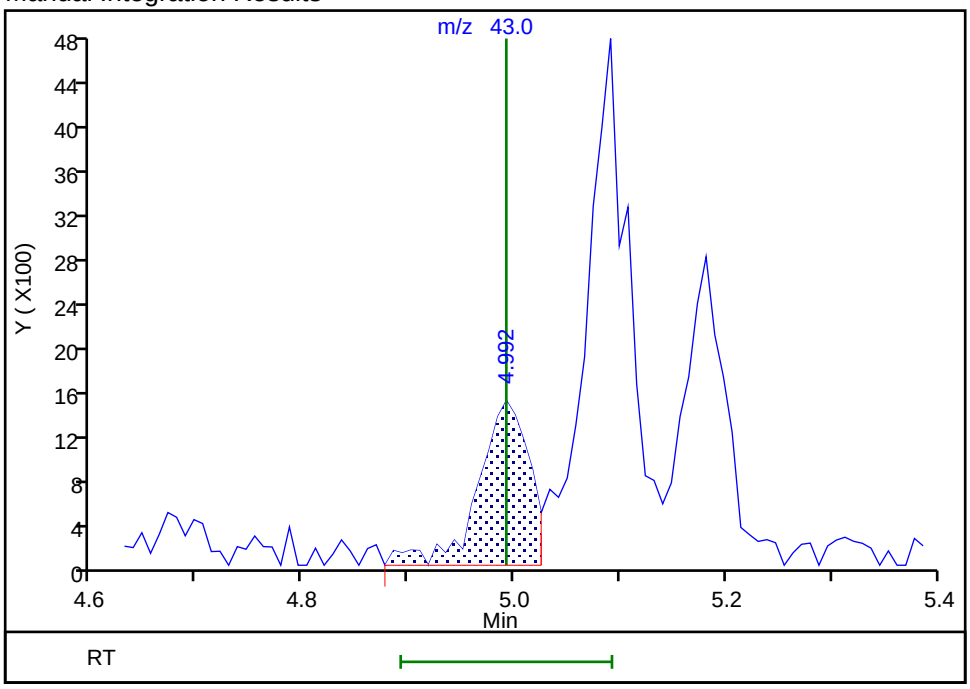
Processing Integration Results

RT: 5.09
Area: 12845
Amount: 98.213727
Amount Units: ug/l




Manual Integration Results

RT: 4.99
Area: 5057
Amount: 20.873765
Amount Units: ug/l




Reviewer: moroneyc, 05-Jun-2018 10:12:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

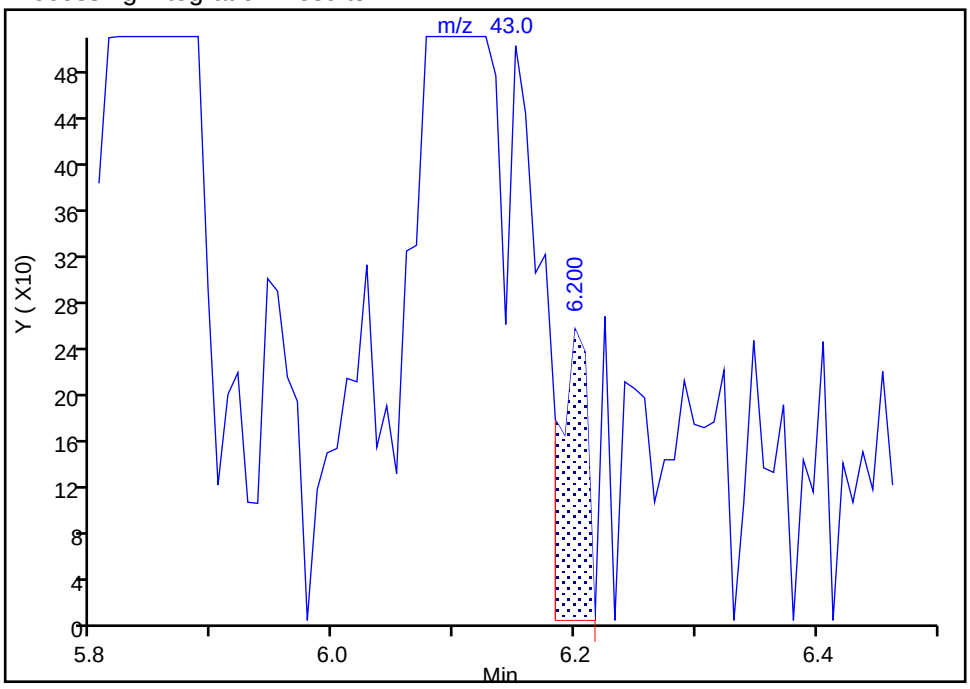
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 70 n-Propyl acetate, CAS: 109-60-4

Signal: 1

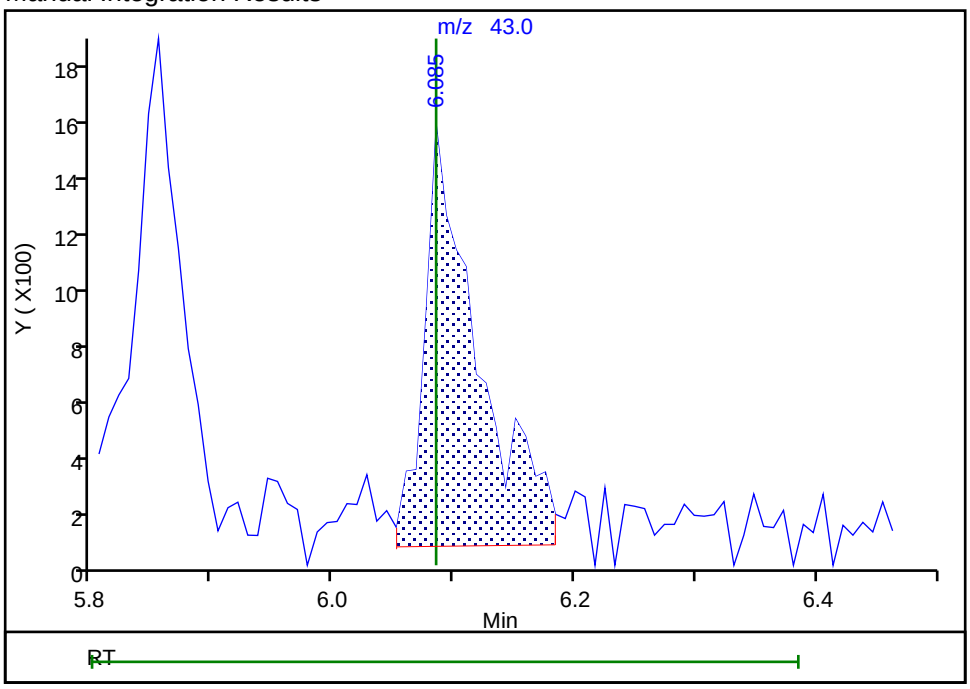
Processing Integration Results

RT: 6.20
Area: 406
Amount: 0.048713
Amount Units: ug/l




Manual Integration Results

RT: 6.09
Area: 4476
Amount: 0.957118
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 03:42:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

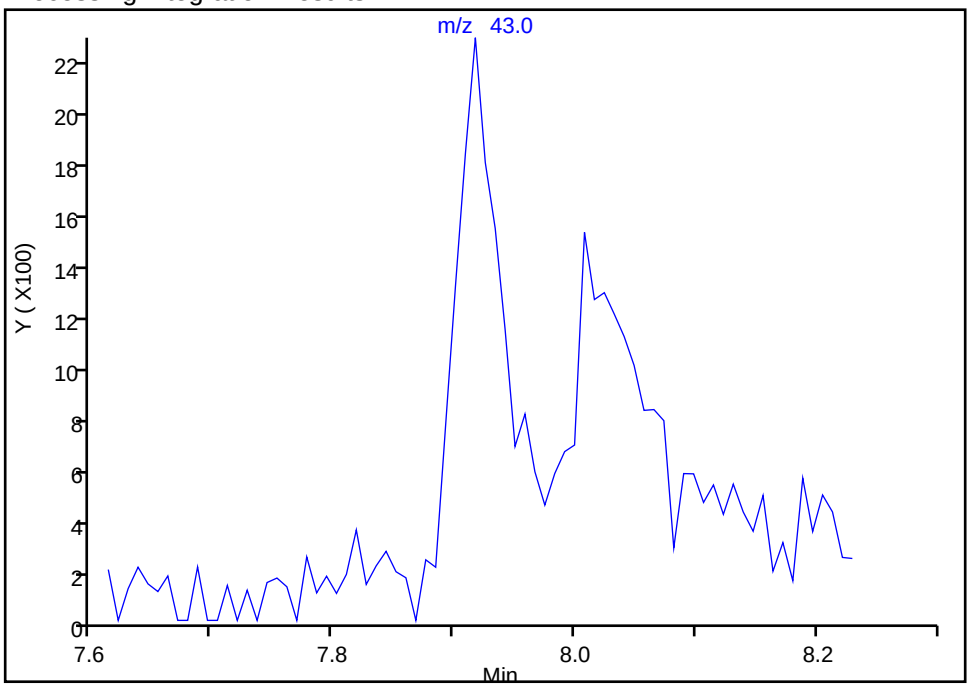
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 85 2-Hexanone, CAS: 591-78-6

Signal: 1

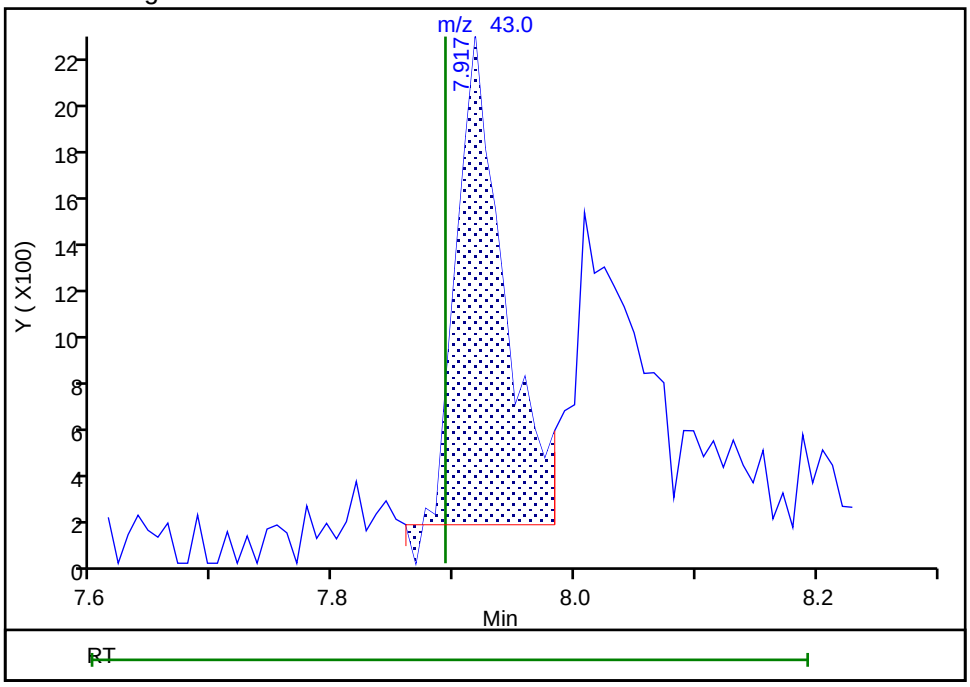
Not Detected
Expected RT: 7.89

Processing Integration Results




Manual Integration Results

RT: 7.92
Area: 5567
Amount: 5.025793
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 03:42:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

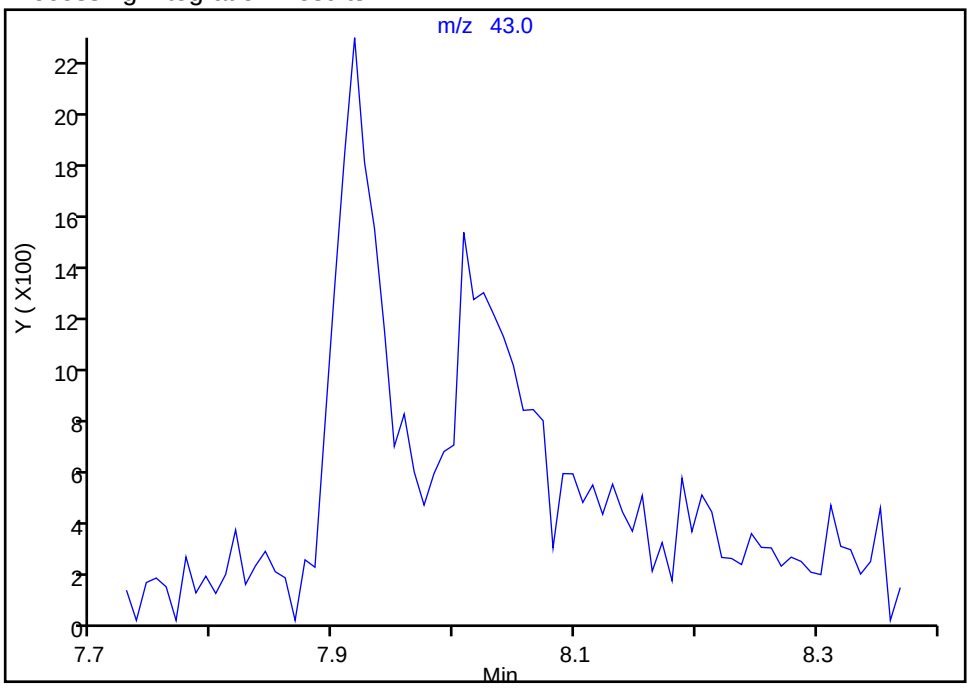
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 86 n-Butyl acetate, CAS: 123-86-4

Signal: 1

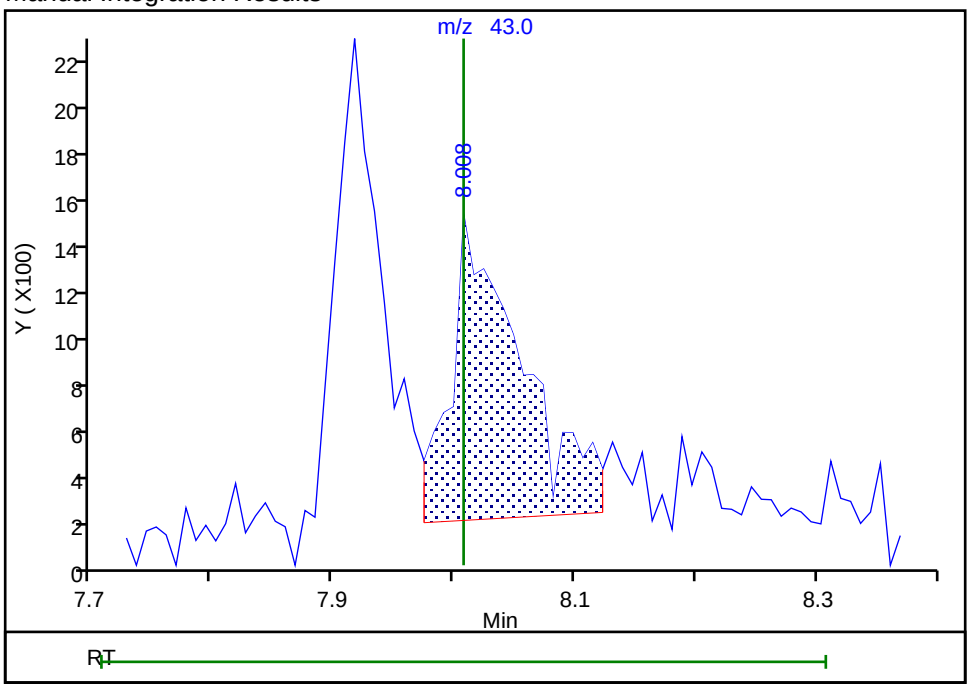
Not Detected
Expected RT: 8.01

Processing Integration Results




Manual Integration Results

RT: 8.01
Area: 5277
Amount: 0.968540
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 03:42:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

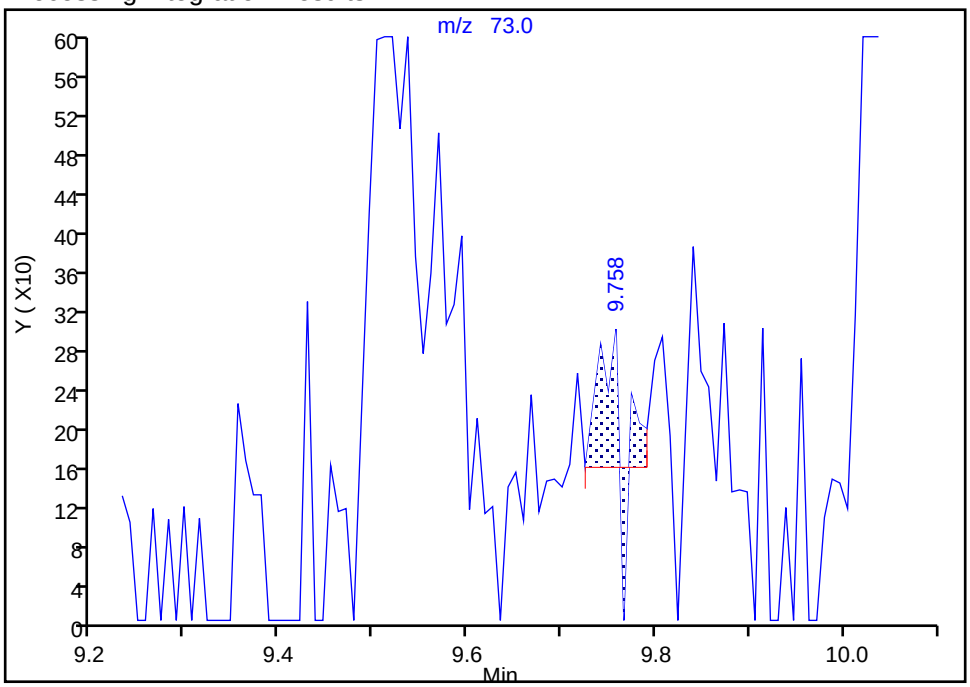
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 94 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

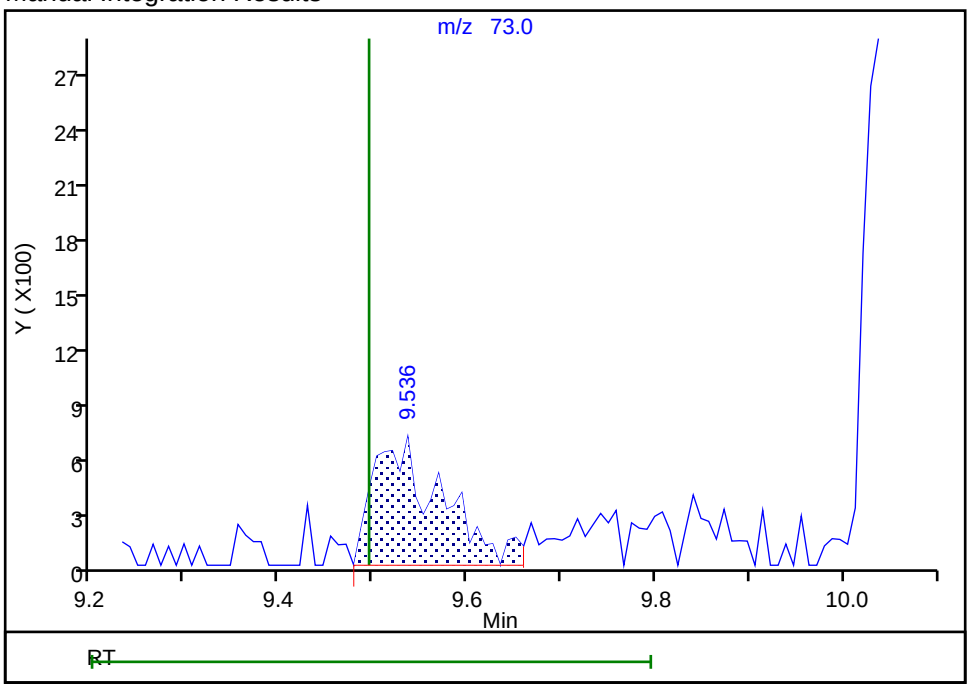
Processing Integration Results

RT: 9.76
Area: 200
Amount: 0.020184
Amount Units: ug/l




Manual Integration Results

RT: 9.54
Area: 3496
Amount: 1.146369
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 03:42:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

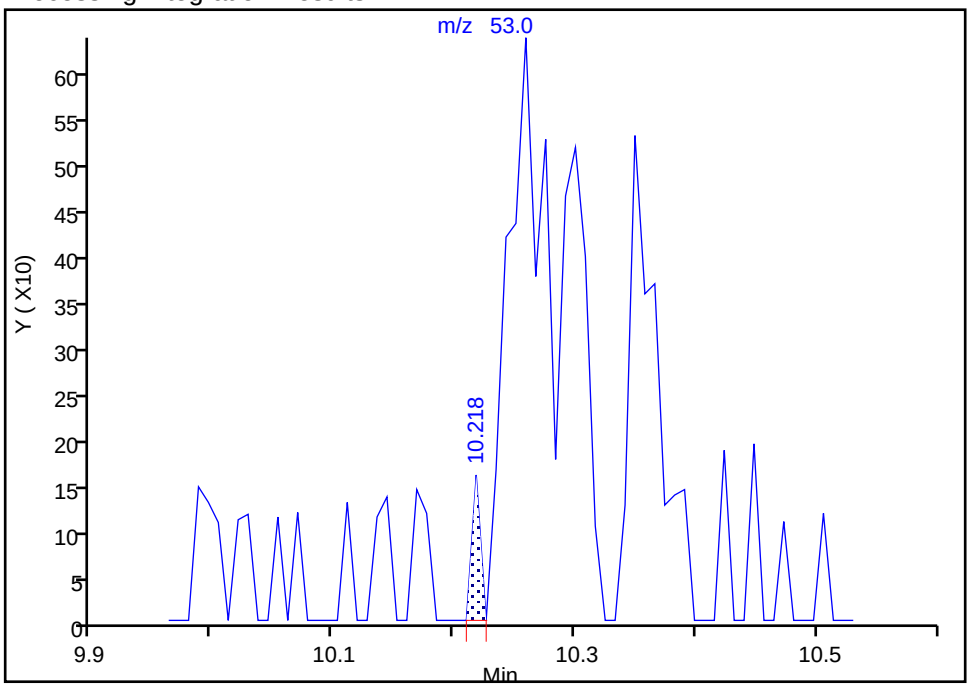
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65707.D
Injection Date: 05-Jun-2018 03:11:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 105 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

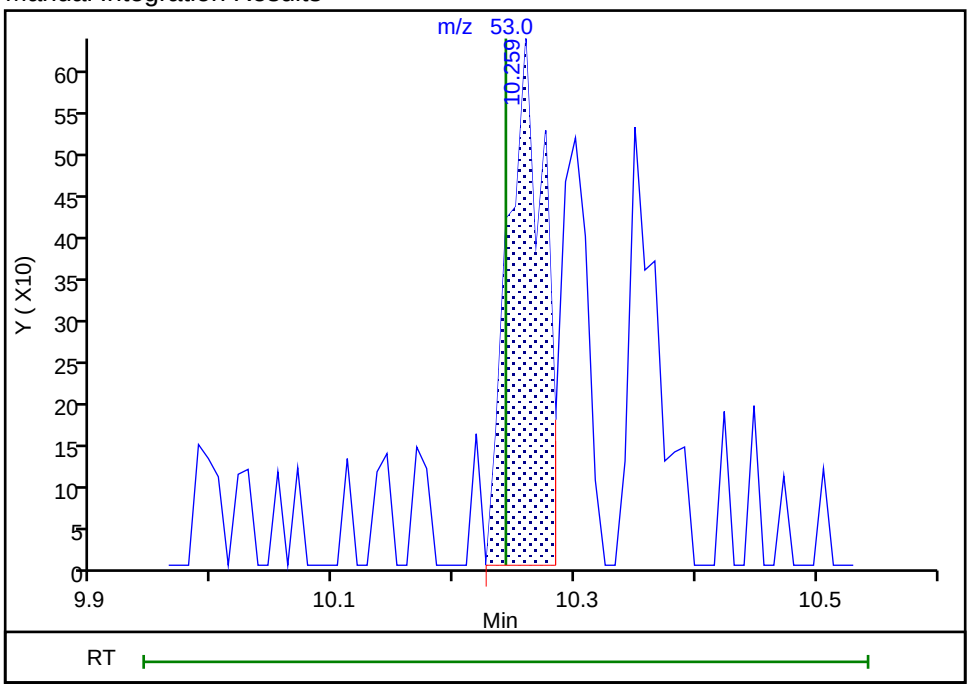
Processing Integration Results

RT: 10.22
Area: 78
Amount: 0.040532
Amount Units: ug/l




Manual Integration Results

RT: 10.26
Area: 1347
Amount: 1.115363
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 03:42:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65708.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Jun-2018 03:35:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0073199-006
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jun-2018 13:07:15 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: boykink Date: 05-Jun-2018 04:27:21

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.533 | 1.525 | 0.008 | 76 | 15092 | 5.00 | 5.32 | |
| 2 Dichlorodifluoromethane | 85 | 1.558 | 1.557 | 0.001 | 99 | 38084 | 5.00 | 5.31 | |
| 3 Chloromethane | 50 | 1.738 | 1.730 | 0.008 | 99 | 43349 | 5.00 | 5.55 | |
| 5 Butadiene | 54 | 1.829 | 1.820 | 0.009 | 98 | 33549 | 5.00 | 5.27 | |
| 4 Vinyl chloride | 62 | 1.829 | 1.820 | 0.009 | 98 | 40113 | 5.00 | 5.47 | |
| 6 Bromomethane | 94 | 2.108 | 2.100 | 0.008 | 96 | 27473 | 5.00 | 5.66 | |
| 7 Chloroethane | 64 | 2.166 | 2.157 | 0.009 | 99 | 23276 | 5.00 | 5.49 | |
| 8 Dichlorofluoromethane | 67 | 2.346 | 2.338 | 0.008 | 98 | 59531 | 5.00 | 5.56 | |
| 9 Trichlorofluoromethane | 101 | 2.355 | 2.355 | 0.000 | 61 | 42559 | 5.00 | 5.51 | |
| 10 Pentane | 72 | 2.371 | 2.355 | 0.016 | 95 | 8644 | 10.0 | 10.0 | |
| 12 Ethyl ether | 59 | 2.552 | 2.544 | 0.008 | 95 | 19647 | 5.00 | 5.63 | |
| 11 Ethanol | 46 | 2.691 | 2.552 | 0.139 | 70 | 2428 | 200.0 | 209.5 | M |
| 13 2-Methyl-1,3-butadiene | 53 | 2.576 | 2.568 | 0.008 | 95 | 21415 | 5.00 | 5.22 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.609 | 2.601 | 0.008 | 95 | 20636 | 5.00 | 5.32 | |
| 15 Acrolein | 56 | 2.733 | 2.724 | 0.009 | 50 | 7951 | 20.0 | 17.9 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.741 | 2.732 | 0.009 | 91 | 25026 | 5.00 | 5.56 | |
| 17 1,1-Dichloroethene | 96 | 2.757 | 2.757 | 0.000 | 98 | 22157 | 5.00 | 5.24 | |
| 18 Acetone | 43 | 2.856 | 2.848 | 0.008 | 64 | 29237 | 25.0 | 25.2 | |
| 19 Iodomethane | 142 | 2.913 | 2.905 | 0.008 | 98 | 38849 | 5.00 | 5.19 | |
| 20 Isopropyl alcohol | 45 | 2.987 | 2.938 | 0.049 | 24 | 8662 | 50.0 | 50.6 | |
| 21 Carbon disulfide | 76 | 2.946 | 2.946 | 0.000 | 99 | 89321 | 5.00 | 5.38 | |
| 22 3-Chloro-1-propene | 41 | 3.061 | 3.061 | 0.000 | 91 | 47422 | 5.00 | 5.32 | |
| 24 Methyl acetate | 43 | 3.078 | 3.078 | 0.000 | 55 | 29506 | 10.0 | 11.1 | |
| 23 Cyclopentene | 67 | 3.086 | 3.078 | 0.008 | 92 | 57891 | 5.00 | 5.28 | |
| 25 Acetonitrile | 41 | 3.168 | 3.143 | 0.025 | 69 | 18949 | 50.0 | 45.4 | |
| 27 Methylene Chloride | 84 | 3.193 | 3.184 | 0.009 | 96 | 28149 | 5.00 | 5.50 | |
| * 26 TBA-d9 (IS) | 65 | 3.217 | 3.201 | 0.016 | 0 | 112698 | 1000.0 | 1000.0 | M |
| 28 2-Methyl-2-propanol | 59 | 3.300 | 3.267 | 0.033 | 42 | 16993 | 50.0 | 52.2 | |
| 29 Methyl tert-butyl ether | 73 | 3.357 | 3.341 | 0.016 | 97 | 68197 | 5.00 | 5.37 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.373 | 3.373 | 0.000 | 95 | 26004 | 5.00 | 5.51 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.456 | 3.447 | 0.009 | 95 | 83263 | 50.0 | 53.2 | |
| 32 Hexane | 43 | 3.521 | 3.521 | 0.000 | 94 | 22131 | 5.00 | 5.38 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.719 | 0.008 | 94 | 85787 | 5.00 | 5.43 | |
| 34 1,1-Dichloroethane | 63 | 3.768 | 3.760 | 0.008 | 98 | 46863 | 5.00 | 5.46 | |
| 35 Vinyl acetate | 86 | 3.776 | 3.768 | 0.008 | 100 | 7865 | 10.0 | 9.80 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.809 | 0.000 | 92 | 21478 | 5.00 | 5.35 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.031 | 0.008 | 90 | 76707 | 5.00 | 5.26 | |
| * 38 2-Butanone-d5 | 46 | 4.244 | 4.236 | 0.008 | 0 | 104864 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.253 | 4.261 | -0.008 | 77 | 9546 | 5.00 | 5.58 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 95 | 27417 | 5.00 | 5.27 | |
| 42 Ethyl acetate | 70 | 4.286 | 4.285 | 0.001 | 73 | 4013 | 10.0 | 11.0 | |
| 41 2-Butanone (MEK) | 72 | 4.302 | 4.294 | 0.008 | 96 | 9869 | 25.0 | 26.4 | |
| 43 Methyl acrylate | 55 | 4.351 | 4.343 | 0.008 | 80 | 16350 | 5.00 | 5.34 | |
| 44 Propionitrile | 54 | 4.433 | 4.425 | 0.008 | 80 | 25216 | 50.0 | 50.2 | |
| 45 Chlorobromomethane | 128 | 4.507 | 4.499 | 0.008 | 91 | 12993 | 5.00 | 5.56 | |
| 46 Tetrahydrofuran | 72 | 4.516 | 4.507 | 0.009 | 55 | 4987 | 10.0 | 11.0 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 91 | 78570 | 50.0 | 51.1 | |
| 48 Chloroform | 83 | 4.557 | 4.548 | 0.009 | 99 | 43498 | 5.00 | 5.54 | |
| 49 Cyclohexane | 84 | 4.680 | 4.680 | 0.000 | 90 | 37353 | 5.00 | 5.43 | |
| 50 1,1,1-Trichloroethane | 97 | 4.696 | 4.696 | 0.000 | 63 | 36589 | 5.00 | 5.27 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 97 | 81390 | 50.0 | 52.9 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.811 | 0.009 | 97 | 29201 | 5.00 | 5.23 | |
| 53 1,1-Dichloropropene | 75 | 4.844 | 4.836 | 0.008 | 97 | 33028 | 5.00 | 5.31 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.992 | 0.000 | 65 | 25214 | 125.0 | 114.1 | |
| 55 Benzene | 78 | 5.042 | 5.041 | 0.001 | 97 | 99595 | 5.00 | 5.52 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.050 | 0.008 | 0 | 91436 | 50.0 | 48.9 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 83 | 63015 | 5.00 | 5.25 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.091 | 0.008 | 92 | 79588 | 5.00 | 5.40 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.124 | 0.008 | 96 | 32161 | 5.00 | 5.47 | |
| 60 n-Heptane | 57 | 5.189 | 5.181 | 0.008 | 93 | 18218 | 5.00 | 5.44 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 312018 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.682 | 5.658 | 0.024 | 23 | 4108 | 125.0 | 108.6 | a |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 98 | 25096 | 5.00 | 5.45 | |
| 64 Methylcyclohexane | 83 | 5.797 | 5.797 | 0.000 | 88 | 42609 | 5.00 | 5.32 | |
| 65 Ethyl acrylate | 55 | 5.797 | 5.797 | 0.000 | 91 | 51313 | 5.00 | 5.03 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 90 | 24966 | 5.00 | 5.22 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.019 | 6.027 | -0.008 | 0 | 9730 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.028 | 6.027 | 0.001 | 92 | 8439 | 10.0 | 9.22 | |
| 70 n-Propyl acetate | 43 | 6.093 | 6.085 | 0.008 | 97 | 21245 | 5.00 | 4.58 | |
| 71 Dibromomethane | 93 | 6.101 | 6.093 | 0.008 | 94 | 14306 | 5.00 | 5.32 | |
| 69 1,4-Dioxane | 88 | 6.110 | 6.101 | 0.009 | 25 | 3002 | 100.0 | 75.1 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 99 | 30996 | 5.00 | 5.21 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 77 | 10555 | 5.00 | 4.52 | |
| 73 2-Nitropropane | 41 | 6.570 | 6.570 | 0.000 | 83 | 10221 | 10.0 | 11.0 | |
| 75 Epichlorohydrin | 57 | 6.693 | 6.685 | 0.008 | 99 | 32523 | 100.0 | 105.6 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.742 | 6.734 | 0.008 | 93 | 33807 | 5.00 | 5.04 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.898 | 0.001 | 96 | 85758 | 25.0 | 25.2 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 99 | 303594 | 50.0 | 50.0 | |
| 79 Toluene | 91 | 7.063 | 7.055 | 0.008 | 93 | 97190 | 5.00 | 5.34 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 97 | 28576 | 5.00 | 5.16 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 91 | 22489 | 5.00 | 4.83 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 94 | 16805 | 5.00 | 5.43 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.671 | 7.671 | 0.000 | 97 | 22210 | 5.00 | 5.16 | |
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 95 | 30138 | 5.00 | 5.20 | |
| 85 2-Hexanone | 43 | 7.901 | 7.893 | 0.008 | 95 | 45127 | 25.0 | 24.7 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 98 | 29094 | 5.00 | 5.25 | |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 98 | 19099 | 5.00 | 5.07 | |
| 88 Ethylene Dibromide | 107 | 8.221 | 8.221 | 0.000 | 98 | 17636 | 5.00 | 5.49 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 87 | 208815 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 95 | 58672 | 5.00 | 5.34 | |
| 91 Ethylbenzene | 106 | 8.903 | 8.903 | 0.000 | 99 | 34596 | 5.00 | 5.32 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 94 | 21117 | 5.00 | 5.05 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 40305 | 5.00 | 5.21 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 62 | 14870 | 5.00 | 4.79 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 94 | 41972 | 5.00 | 5.24 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 97 | 63443 | 5.00 | 5.28 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.725 | 9.717 | 0.008 | 91 | 30329 | 5.00 | 4.69 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 97 | 12087 | 5.00 | 5.27 | |
| 99 Isopropylbenzene | 105 | 9.848 | 9.848 | 0.000 | 96 | 107580 | 5.00 | 5.37 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 90 | 89339 | 50.0 | 51.8 | |
| 101 Bromobenzene | 156 | 10.152 | 10.152 | 0.000 | 98 | 26183 | 5.00 | 5.25 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.185 | 10.185 | 0.000 | 97 | 27118 | 5.00 | 5.56 | |
| 103 N-Propylbenzene | 91 | 10.210 | 10.210 | 0.000 | 99 | 131352 | 5.00 | 5.41 | |
| 104 1,2,3-Trichloropropane | 110 | 10.226 | 10.226 | 0.000 | 96 | 7092 | 5.00 | 5.34 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 76 | 5929 | 5.00 | 4.85 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 94 | 90565 | 5.00 | 5.30 | |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 89 | 104764 | 5.00 | 5.17 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.358 | 10.358 | 0.000 | 93 | 94400 | 5.00 | 5.31 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 82847 | 5.00 | 5.43 | |
| 110 Butyl Methacrylate | 87 | 10.440 | 10.432 | 0.008 | 90 | 27817 | 5.00 | 4.82 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 94 | 69529 | 5.00 | 4.96 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 95308 | 5.00 | 5.30 | |
| 113 sec-Butylbenzene | 105 | 10.752 | 10.752 | 0.000 | 99 | 113201 | 5.00 | 5.29 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 98 | 95560 | 5.00 | 5.23 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 95 | 51534 | 5.00 | 5.24 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 96 | 121873 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 95 | 53375 | 5.00 | 5.35 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 99 | 100899 | 5.00 | 5.32 | |
| 118 Benzyl chloride | 91 | 11.023 | 11.023 | 0.000 | 98 | 45273 | 5.00 | 4.88 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 94 | 99979 | 5.00 | 5.41 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 92 | 54562 | 5.00 | 5.03 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 98 | 52083 | 5.00 | 5.23 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 95 | 52175 | 5.00 | 5.36 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.582 | 11.574 | 0.008 | 97 | 91609 | 5.00 | 5.18 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.656 | 11.656 | 0.000 | 93 | 4726 | 5.00 | 4.96 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.738 | 0.009 | 97 | 40342 | 5.00 | 5.38 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.141 | 12.141 | 0.000 | 94 | 33543 | 5.00 | 5.19 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.198 | 0.009 | 94 | 15284 | 5.00 | 5.13 | |
| 128 Naphthalene | 128 | 12.313 | 12.313 | 0.000 | 99 | 73332 | 5.00 | 5.00 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.478 | 12.478 | 0.000 | 94 | 30460 | 5.00 | 5.10 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 10.0 | 10.8 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 10.0 | 10.5 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00257 | Amount Added: | 1.00 | Units: uL | |
| MIX I Hi_00094 | Amount Added: | 1.00 | Units: uL | |
| MIX 2 Hi_00071 | Amount Added: | 1.00 | Units: uL | |
| Ethanol mix_00016 | Amount Added: | 1.00 | Units: uL | |
| ACROLEIN W_00077 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00010 | Amount Added: | 5.00 | Units: uL | Run Reagent |

Report Date: 07-Jun-2018 13:07:22 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65708.D

Injection Date: 05-Jun-2018 03:35:30 Instrument ID: CVOAMS6 Operator ID:

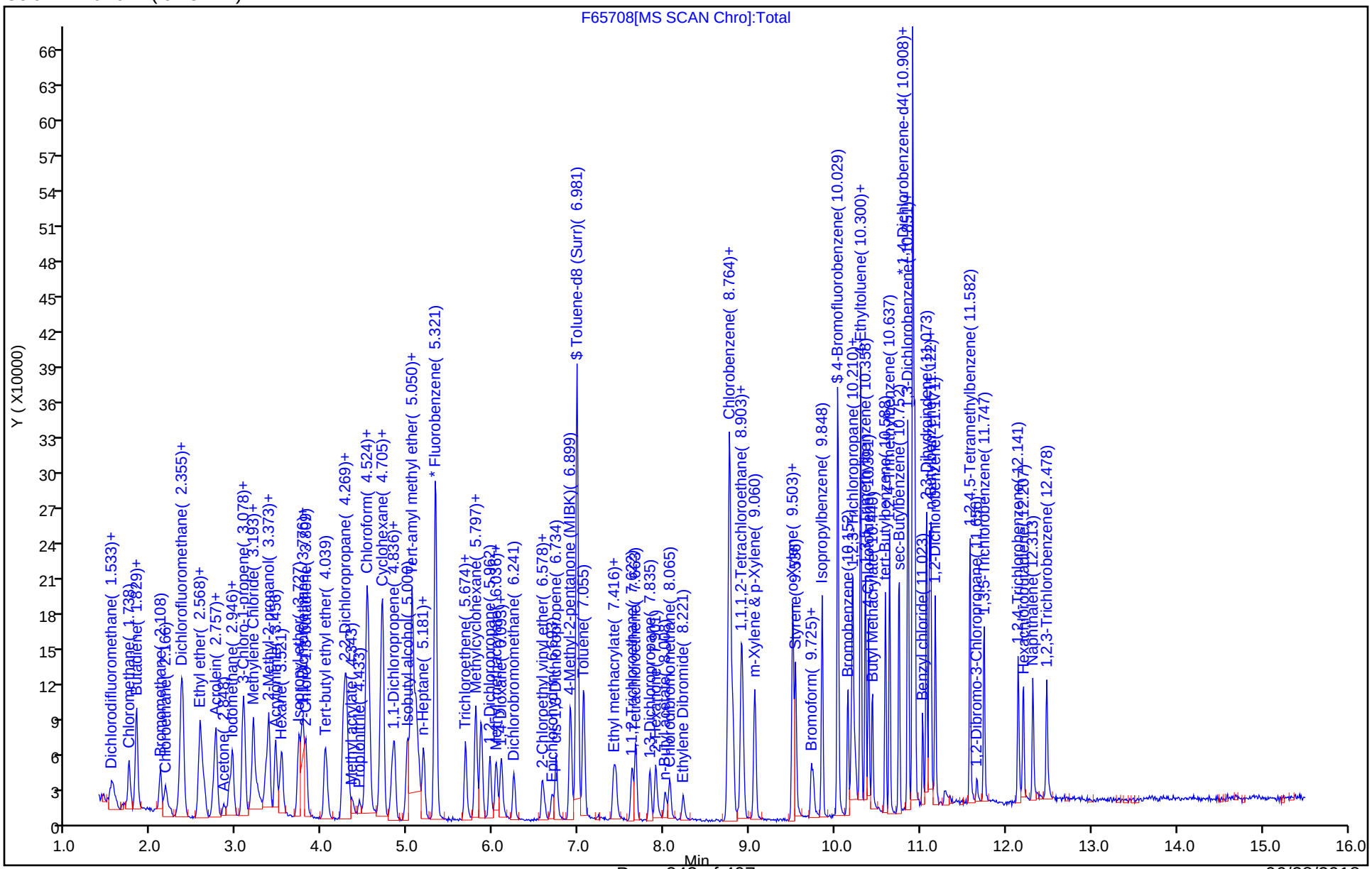
Lims ID: STD5 Worklist Smp#: 6

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

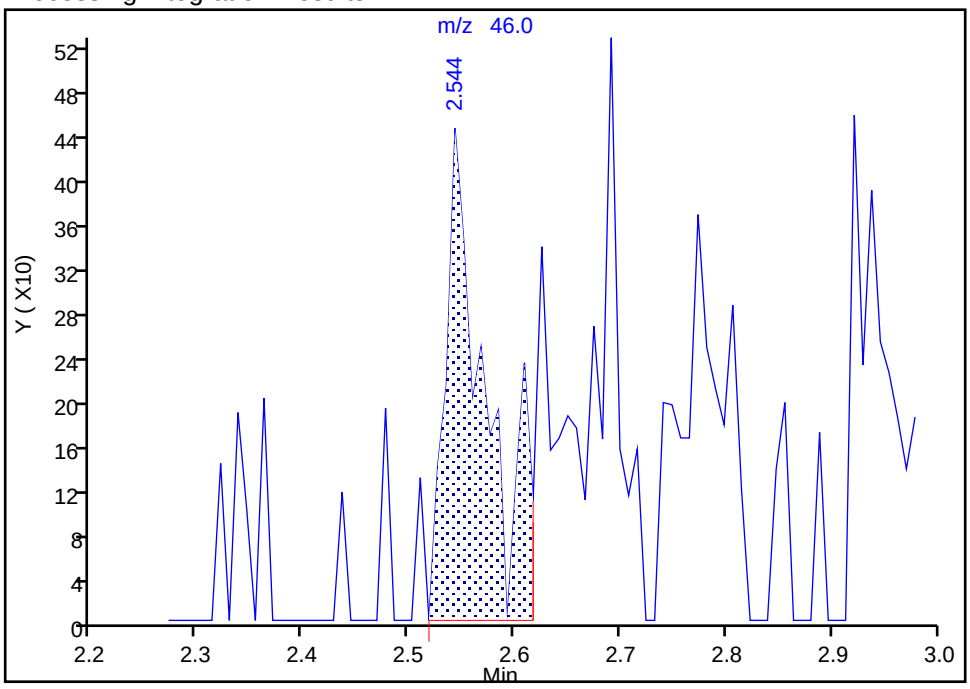
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65708.D
Injection Date: 05-Jun-2018 03:35:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 Ethanol, CAS: 64-17-5

Signal: 1

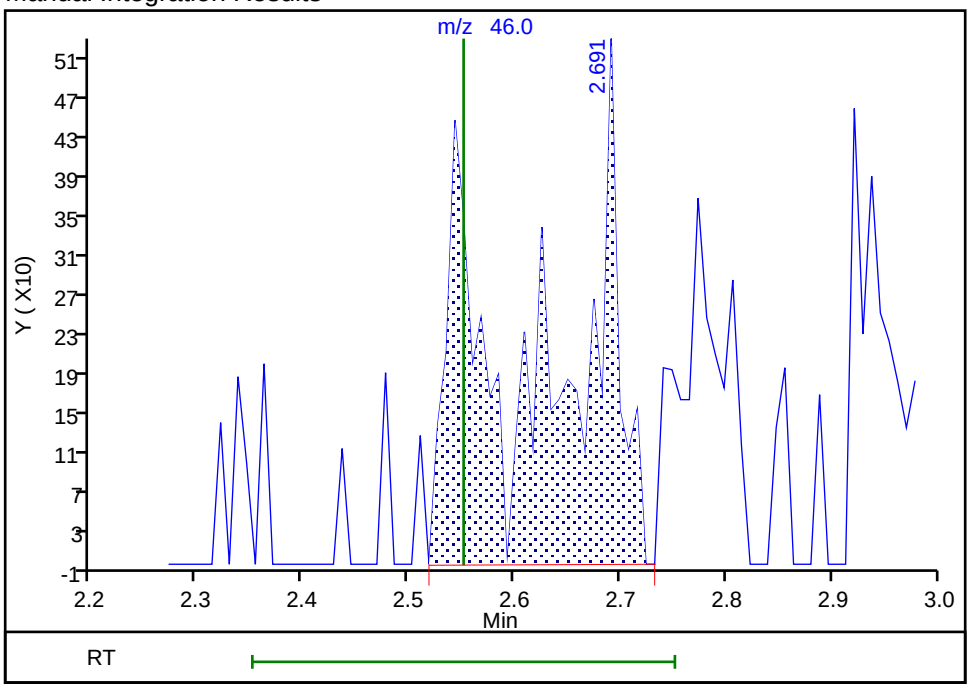
Processing Integration Results

RT: 2.54
Area: 1187
Amount: 120.2060
Amount Units: ug/l




Manual Integration Results

RT: 2.69
Area: 2428
Amount: 209.4674
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 10:30:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

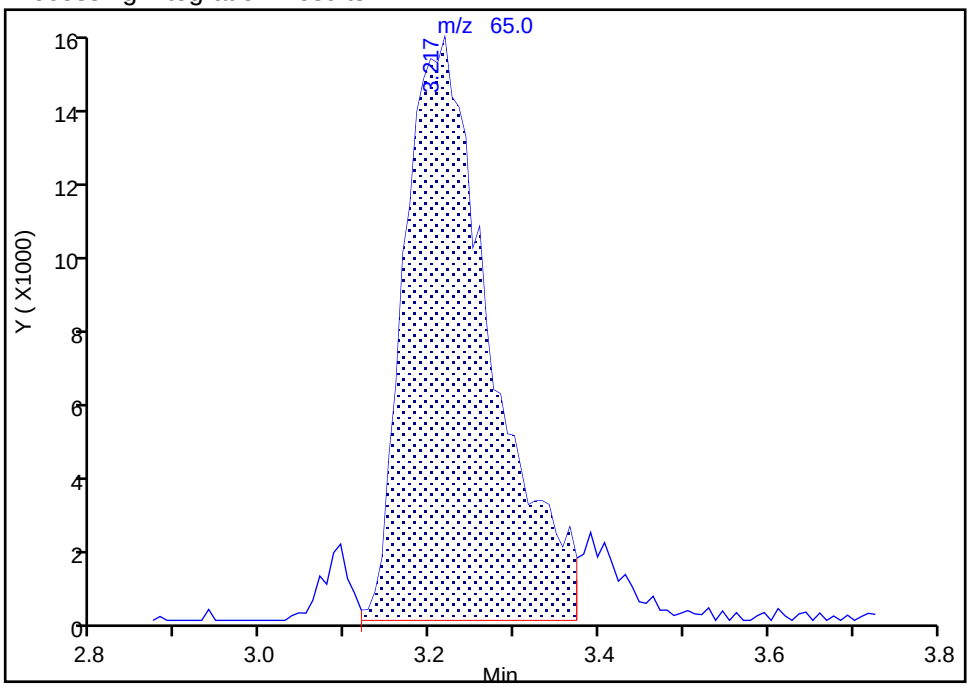
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65708.D
Injection Date: 05-Jun-2018 03:35:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## * 26 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

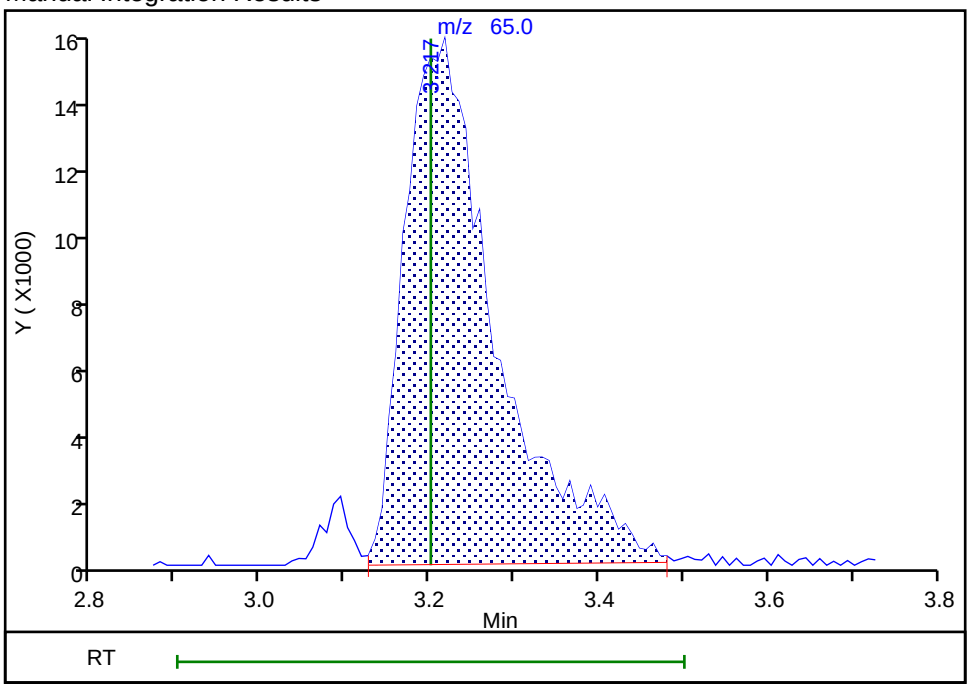
Processing Integration Results

RT: 3.22
Area: 106698
Amount: 1000.0000
Amount Units: ug/l




Manual Integration Results

RT: 3.22
Area: 112698
Amount: 1000.0000
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 10:41:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

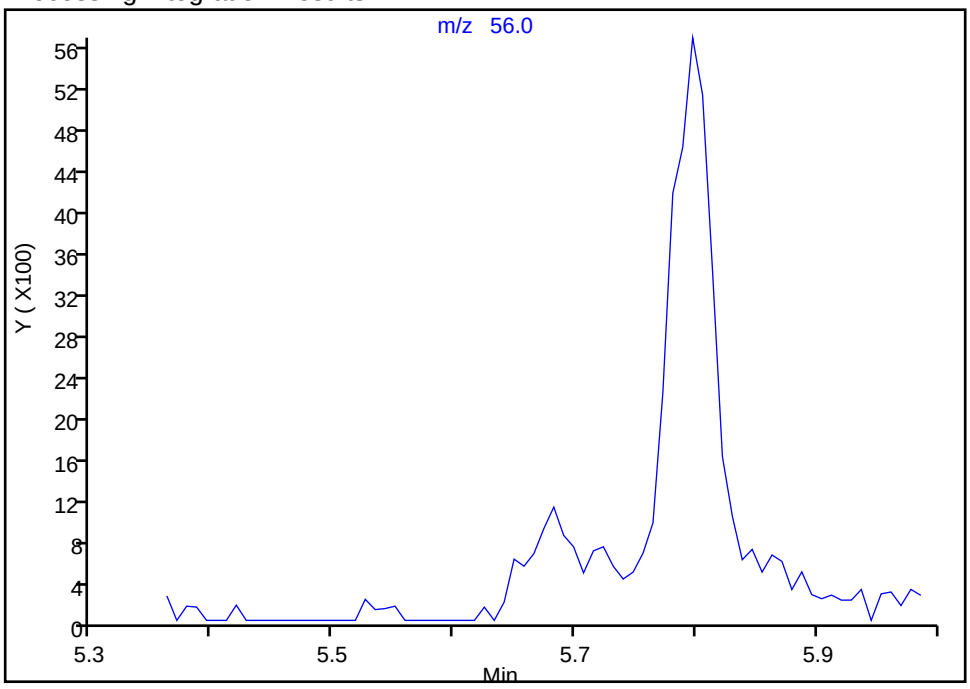
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65708.D
Injection Date: 05-Jun-2018 03:35:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 62 n-Butanol, CAS: 71-36-3

Signal: 1

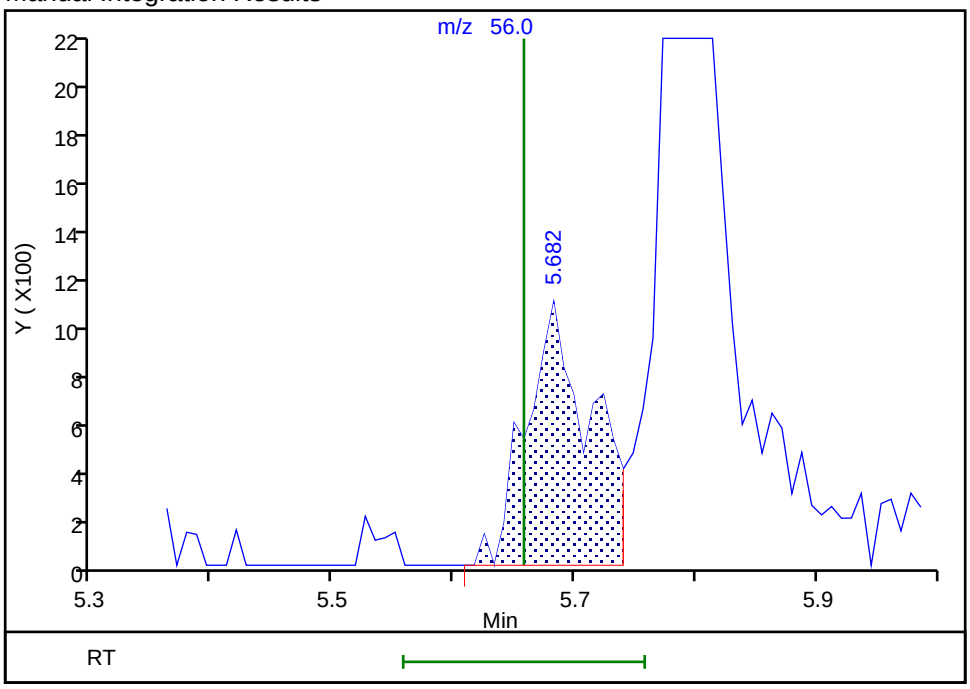
Not Detected
Expected RT: 5.66

Processing Integration Results




Manual Integration Results

RT: 5.68
Area: 4108
Amount: 108.5652
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 04:28:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65709.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Jun-2018 03:59:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0073199-007
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jun-2018 13:07:35 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: boykink Date: 05-Jun-2018 05:03:35

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.525 | 1.525 | 0.000 | 91 | 55519 | 20.0 | 19.3 | |
| 2 Dichlorodifluoromethane | 85 | 1.557 | 1.557 | 0.000 | 99 | 140900 | 20.0 | 19.4 | |
| 3 Chloromethane | 50 | 1.730 | 1.730 | 0.000 | 99 | 154611 | 20.0 | 19.6 | |
| 4 Vinyl chloride | 62 | 1.820 | 1.820 | 0.000 | 98 | 143809 | 20.0 | 19.4 | |
| 5 Butadiene | 54 | 1.820 | 1.820 | 0.000 | 95 | 117148 | 20.0 | 18.5 | |
| 6 Bromomethane | 94 | 2.100 | 2.100 | 0.000 | 98 | 90379 | 20.0 | 18.4 | |
| 7 Chloroethane | 64 | 2.157 | 2.157 | 0.000 | 100 | 81808 | 20.0 | 19.1 | |
| 8 Dichlorofluoromethane | 67 | 2.338 | 2.338 | 0.000 | 99 | 214119 | 20.0 | 19.8 | |
| 10 Pentane | 72 | 2.355 | 2.355 | 0.000 | 98 | 32453 | 40.0 | 44.4 | |
| 9 Trichlorofluoromethane | 101 | 2.355 | 2.355 | 0.000 | 96 | 150492 | 20.0 | 19.2 | |
| 12 Ethyl ether | 59 | 2.544 | 2.544 | 0.000 | 94 | 71507 | 20.0 | 20.2 | |
| 11 Ethanol | 46 | 2.552 | 2.552 | 0.000 | 68 | 7230 | 800.0 | 739.8 | M |
| 13 2-Methyl-1,3-butadiene | 53 | 2.568 | 2.568 | 0.000 | 98 | 81836 | 20.0 | 19.7 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.601 | 2.601 | 0.000 | 86 | 78404 | 20.0 | 20.0 | |
| 15 Acrolein | 56 | 2.724 | 2.724 | 0.000 | 36 | 15127 | 40.0 | 40.2 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.732 | 2.732 | 0.000 | 95 | 93550 | 20.0 | 20.5 | |
| 17 1,1-Dichloroethene | 96 | 2.757 | 2.757 | 0.000 | 96 | 83850 | 20.0 | 19.6 | |
| 18 Acetone | 43 | 2.848 | 2.848 | 0.000 | 89 | 97832 | 100.0 | 97.1 | |
| 19 Iodomethane | 142 | 2.905 | 2.905 | 0.000 | 98 | 150106 | 20.0 | 19.8 | |
| 20 Isopropyl alcohol | 45 | 2.938 | 2.938 | 0.000 | 24 | 27394 | 200.0 | 189.1 | |
| 21 Carbon disulfide | 76 | 2.946 | 2.946 | 0.000 | 99 | 337699 | 20.0 | 20.1 | |
| 22 3-Chloro-1-propene | 41 | 3.061 | 3.061 | 0.000 | 92 | 181735 | 20.0 | 20.2 | |
| 23 Cyclopentene | 67 | 3.078 | 3.078 | 0.000 | 94 | 222881 | 20.0 | 20.1 | |
| 24 Methyl acetate | 43 | 3.078 | 3.078 | 0.000 | 56 | 104096 | 40.0 | 38.8 | |
| 25 Acetonitrile | 41 | 3.143 | 3.143 | 0.000 | 95 | 85423 | 200.0 | 217.6 | |
| 27 Methylene Chloride | 84 | 3.184 | 3.184 | 0.000 | 94 | 102929 | 20.0 | 19.9 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 95436 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.267 | 3.267 | 0.000 | 93 | 57392 | 200.0 | 208.0 | |
| 29 Methyl tert-butyl ether | 73 | 3.341 | 3.341 | 0.000 | 97 | 259092 | 20.0 | 20.2 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.373 | 3.373 | 0.000 | 97 | 92502 | 20.0 | 19.4 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.447 | 3.447 | 0.000 | 95 | 301210 | 200.0 | 190.3 | |
| 32 Hexane | 43 | 3.521 | 3.521 | 0.000 | 94 | 82974 | 20.0 | 19.9 | |
| 33 Isopropyl ether | 45 | 3.719 | 3.719 | 0.000 | 97 | 319767 | 20.0 | 20.0 | |
| 34 1,1-Dichloroethane | 63 | 3.760 | 3.760 | 0.000 | 99 | 178432 | 20.0 | 20.5 | |
| 35 Vinyl acetate | 86 | 3.768 | 3.768 | 0.000 | 100 | 33510 | 40.0 | 41.2 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.809 | 0.000 | 92 | 79642 | 20.0 | 19.6 | |
| 37 Tert-butyl ethyl ether | 59 | 4.031 | 4.031 | 0.000 | 89 | 293839 | 20.0 | 19.9 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.236 | 0.000 | 0 | 104292 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.261 | 4.261 | 0.000 | 95 | 34208 | 20.0 | 19.8 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 94 | 105442 | 20.0 | 20.0 | |
| 42 Ethyl acetate | 70 | 4.285 | 4.285 | 0.000 | 96 | 15568 | 40.0 | 42.7 | |
| 41 2-Butanone (MEK) | 72 | 4.294 | 4.294 | 0.000 | 96 | 36705 | 100.0 | 98.6 | |
| 43 Methyl acrylate | 55 | 4.343 | 4.343 | 0.000 | 90 | 58370 | 20.0 | 18.7 | |
| 44 Propionitrile | 54 | 4.425 | 4.425 | 0.000 | 96 | 92810 | 200.0 | 218.3 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 92 | 47240 | 20.0 | 20.0 | |
| 46 Tetrahydrofuran | 72 | 4.507 | 4.507 | 0.000 | 79 | 16055 | 40.0 | 35.5 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 92 | 313305 | 200.0 | 201.3 | |
| 48 Chloroform | 83 | 4.548 | 4.548 | 0.000 | 98 | 162773 | 20.0 | 20.5 | |
| 49 Cyclohexane | 84 | 4.680 | 4.680 | 0.000 | 92 | 144770 | 20.0 | 20.8 | |
| 50 1,1,1-Trichloroethane | 97 | 4.696 | 4.696 | 0.000 | 98 | 140841 | 20.0 | 20.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 96 | 80780 | 50.0 | 51.9 | |
| 52 Carbon tetrachloride | 117 | 4.811 | 4.811 | 0.000 | 97 | 111676 | 20.0 | 19.8 | |
| 53 1,1-Dichloropropene | 75 | 4.836 | 4.836 | 0.000 | 96 | 126286 | 20.0 | 20.1 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.992 | 0.000 | 36 | 100821 | 500.0 | 539.0 | a |
| 55 Benzene | 78 | 5.041 | 5.041 | 0.000 | 96 | 378715 | 20.0 | 20.6 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.050 | 5.050 | 0.000 | 0 | 90949 | 50.0 | 48.1 | |
| 58 Tert-amyl methyl ether | 73 | 5.091 | 5.091 | 0.000 | 91 | 296768 | 20.0 | 19.9 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 94 | 233304 | 20.0 | 19.2 | |
| 59 1,2-Dichloroethane | 62 | 5.124 | 5.124 | 0.000 | 96 | 114589 | 20.0 | 19.3 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 93 | 71165 | 20.0 | 21.0 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 315787 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.658 | 5.658 | 0.000 | 80 | 17781 | 500.0 | 464.2 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 97 | 90379 | 20.0 | 19.4 | |
| 65 Ethyl acrylate | 55 | 5.797 | 5.797 | 0.000 | 92 | 204598 | 20.0 | 19.8 | |
| 64 Methylcyclohexane | 83 | 5.797 | 5.797 | 0.000 | 88 | 165817 | 20.0 | 20.5 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 90 | 94898 | 20.0 | 19.6 | |
| 68 Methyl methacrylate | 100 | 6.027 | 6.027 | 0.000 | 93 | 35997 | 40.0 | 38.9 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.027 | 6.027 | 0.000 | 0 | 8314 | 1000.0 | 1000.0 | |
| 70 n-Propyl acetate | 43 | 6.085 | 6.085 | 0.000 | 98 | 91111 | 20.0 | 19.4 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 80 | 53594 | 20.0 | 19.7 | |
| 69 1,4-Dioxane | 88 | 6.101 | 6.101 | 0.000 | 27 | 6680 | 400.0 | 196.3 | a |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 99 | 117374 | 20.0 | 19.5 | |
| 73 2-Nitropropane | 41 | 6.570 | 6.570 | 0.000 | 80 | 32296 | 40.0 | 37.0 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 78 | 44598 | 20.0 | 18.8 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 118976 | 400.0 | 388.5 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 92 | 134648 | 20.0 | 19.7 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.898 | 6.898 | 0.000 | 96 | 353446 | 100.0 | 104.6 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 99 | 311994 | 50.0 | 50.4 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 93 | 378293 | 20.0 | 20.4 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 98 | 108977 | 20.0 | 19.3 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 89 | 95125 | 20.0 | 20.0 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 96 | 62280 | 20.0 | 19.8 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.671 | 7.671 | 0.000 | 97 | 88247 | 20.0 | 20.1 | |
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 94 | 115453 | 20.0 | 19.5 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 96 | 184222 | 100.0 | 94.1 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 99 | 110679 | 20.0 | 19.6 | |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 98 | 75779 | 20.0 | 19.7 | |
| 88 Ethylene Dibromide | 107 | 8.221 | 8.221 | 0.000 | 98 | 64915 | 20.0 | 19.8 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 88 | 212945 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 94 | 222658 | 20.0 | 19.9 | |
| 91 Ethylbenzene | 106 | 8.903 | 8.903 | 0.000 | 99 | 132132 | 20.0 | 19.9 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 95 | 85765 | 20.0 | 20.1 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 162501 | 20.0 | 20.6 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 98 | 58810 | 20.0 | 18.6 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 93 | 166858 | 20.0 | 20.4 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 96 | 256992 | 20.0 | 21.0 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 92 | 133240 | 20.0 | 19.4 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 96 | 46072 | 20.0 | 19.7 | |
| 99 Isopropylbenzene | 105 | 9.848 | 9.848 | 0.000 | 96 | 435331 | 20.0 | 21.3 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 88 | 87576 | 50.0 | 49.8 | |
| 101 Bromobenzene | 156 | 10.152 | 10.152 | 0.000 | 98 | 99700 | 20.0 | 20.1 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.185 | 10.185 | 0.000 | 98 | 93127 | 20.0 | 19.2 | |
| 103 N-Propylbenzene | 91 | 10.210 | 10.210 | 0.000 | 99 | 515435 | 20.0 | 21.3 | |
| 104 1,2,3-Trichloropropane | 110 | 10.226 | 10.226 | 0.000 | 97 | 27316 | 20.0 | 20.7 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 84 | 23208 | 20.0 | 19.1 | |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 89 | 427649 | 20.0 | 21.2 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 96 | 353064 | 20.0 | 20.8 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.358 | 10.358 | 0.000 | 93 | 373809 | 20.0 | 21.1 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 309087 | 20.0 | 20.4 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 92 | 116941 | 20.0 | 19.1 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 94 | 291339 | 20.0 | 20.9 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 98 | 382464 | 20.0 | 21.4 | |
| 113 sec-Butylbenzene | 105 | 10.752 | 10.752 | 0.000 | 99 | 459545 | 20.0 | 21.6 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 97 | 386566 | 20.0 | 21.2 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 94 | 198543 | 20.0 | 20.3 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 94 | 121387 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 93 | 201846 | 20.0 | 20.3 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 99 | 394281 | 20.0 | 20.9 | |
| 118 Benzyl chloride | 91 | 11.023 | 11.023 | 0.000 | 99 | 191218 | 20.0 | 20.7 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 95 | 383617 | 20.0 | 20.9 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 93 | 219034 | 20.0 | 20.3 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 97 | 205224 | 20.0 | 20.7 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 95 | 196840 | 20.0 | 20.3 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.574 | 11.574 | 0.000 | 97 | 371152 | 20.0 | 21.1 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.656 | 11.656 | 0.000 | 97 | 17499 | 20.0 | 19.7 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.738 | 11.738 | 0.000 | 97 | 150364 | 20.0 | 20.2 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.141 | 12.141 | 0.000 | 94 | 131250 | 20.0 | 20.4 | |
| 127 Hexachlorobutadiene | 225 | 12.198 | 12.198 | 0.000 | 94 | 57849 | 20.0 | 19.5 | |
| 128 Naphthalene | 128 | 12.313 | 12.313 | 0.000 | 99 | 280271 | 20.0 | 19.2 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.478 | 12.478 | 0.000 | 95 | 113710 | 20.0 | 19.1 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 39.4 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 40.0 | 41.0 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| ACROLEIN W_00077 | Amount Added: | 4.00 | Units: uL | |
| MIX I Hi_00094 | Amount Added: | 2.00 | Units: uL | |
| MIX 2 Hi_00071 | Amount Added: | 2.00 | Units: uL | |
| Ethanol mix_00016 | Amount Added: | 2.00 | Units: uL | |
| GAS Hi_00257 | Amount Added: | 2.00 | Units: uL | |
| VOA6IS/SURR_00010 | Amount Added: | 5.00 | Units: uL | Run Reagent |

Report Date: 07-Jun-2018 13:07:41 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65709.D

Injection Date: 05-Jun-2018 03:59:30 Instrument ID: CVOAMS6 Operator ID:

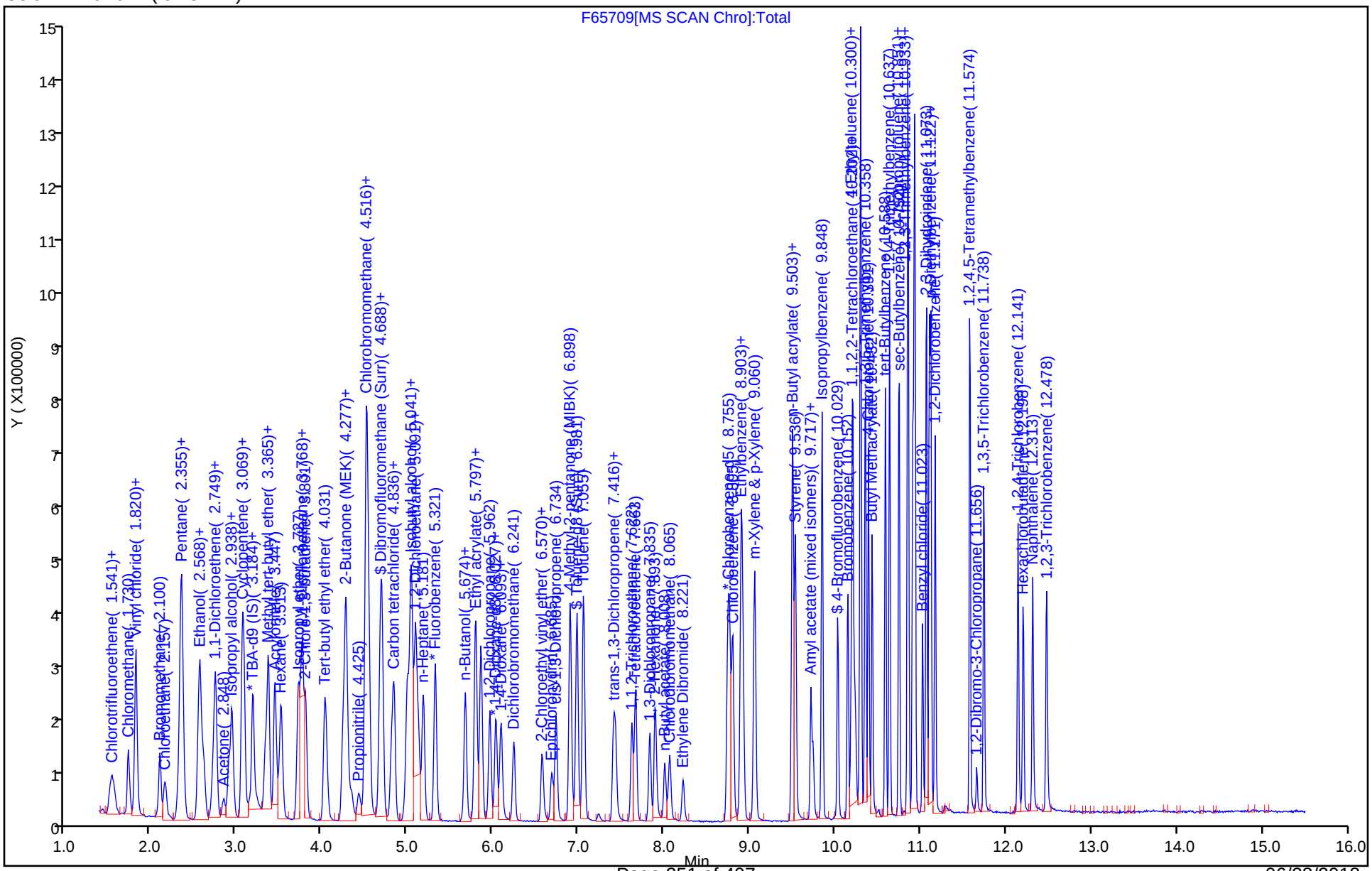
Lims ID: STD20 Worklist Smp#: 7

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

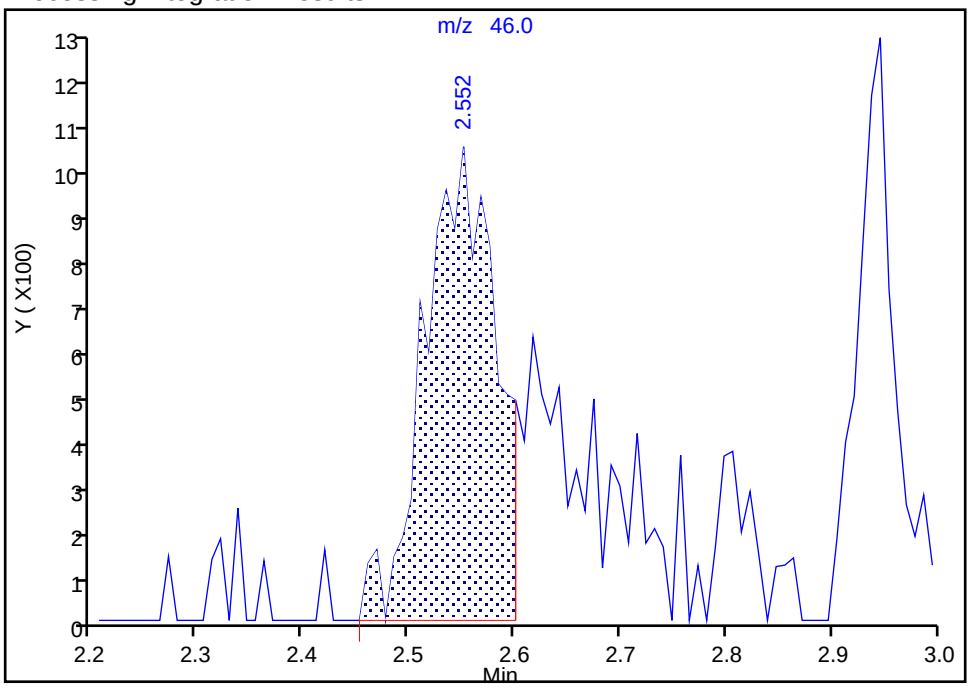
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65709.D
Injection Date: 05-Jun-2018 03:59:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 Ethanol, CAS: 64-17-5

Signal: 1

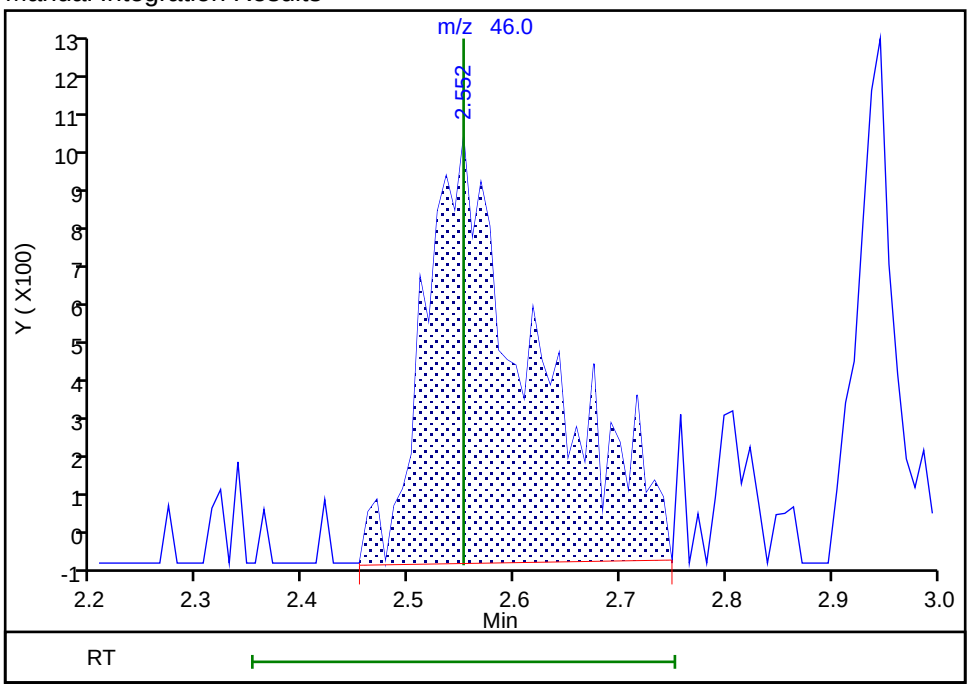
Processing Integration Results

RT: 2.55
Area: 4617
Amount: 801.1741
Amount Units: ug/l




Manual Integration Results

RT: 2.55
Area: 7230
Amount: 739.8150
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 10:28:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

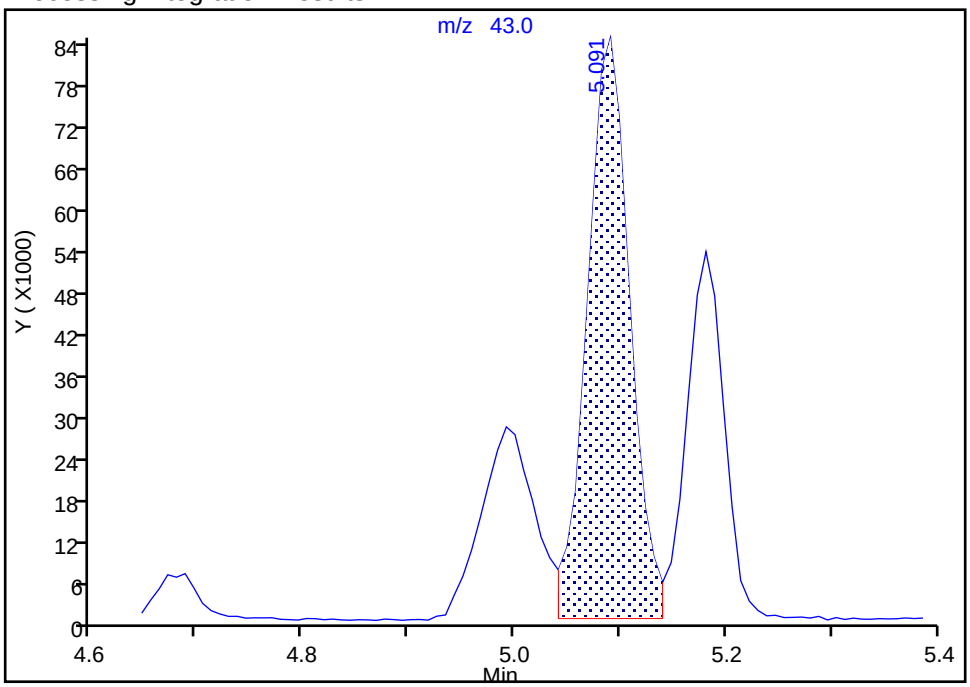
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65709.D
Injection Date: 05-Jun-2018 03:59:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

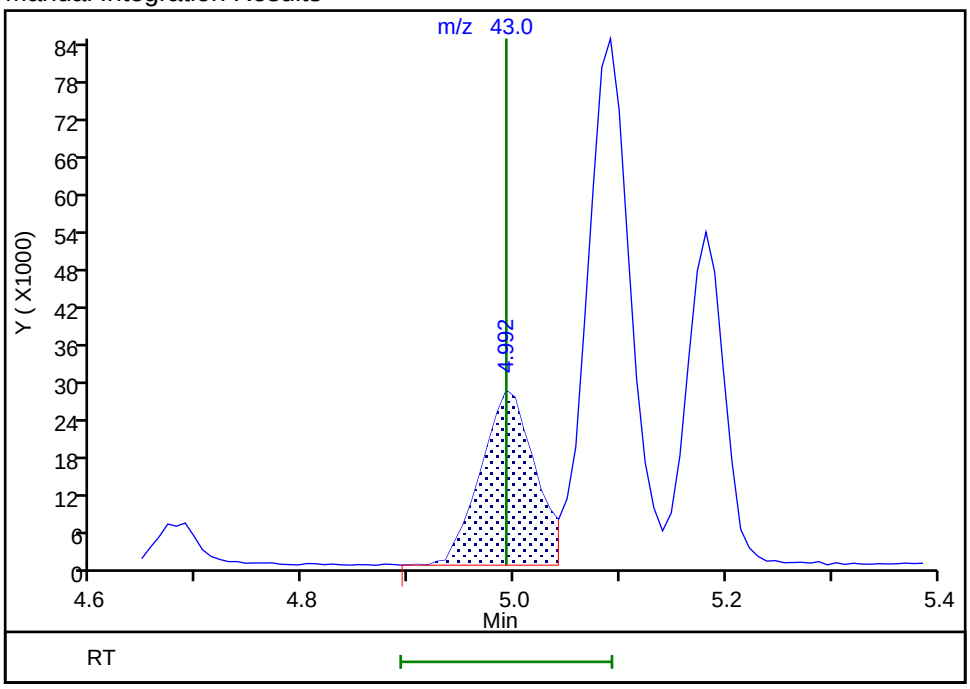
Processing Integration Results

RT: 5.09
Area: 238547
Amount: 706.7202
Amount Units: ug/l




Manual Integration Results

RT: 4.99
Area: 100821
Amount: 538.9662
Amount Units: ug/l




Reviewer: moroneyc, 05-Jun-2018 10:03:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

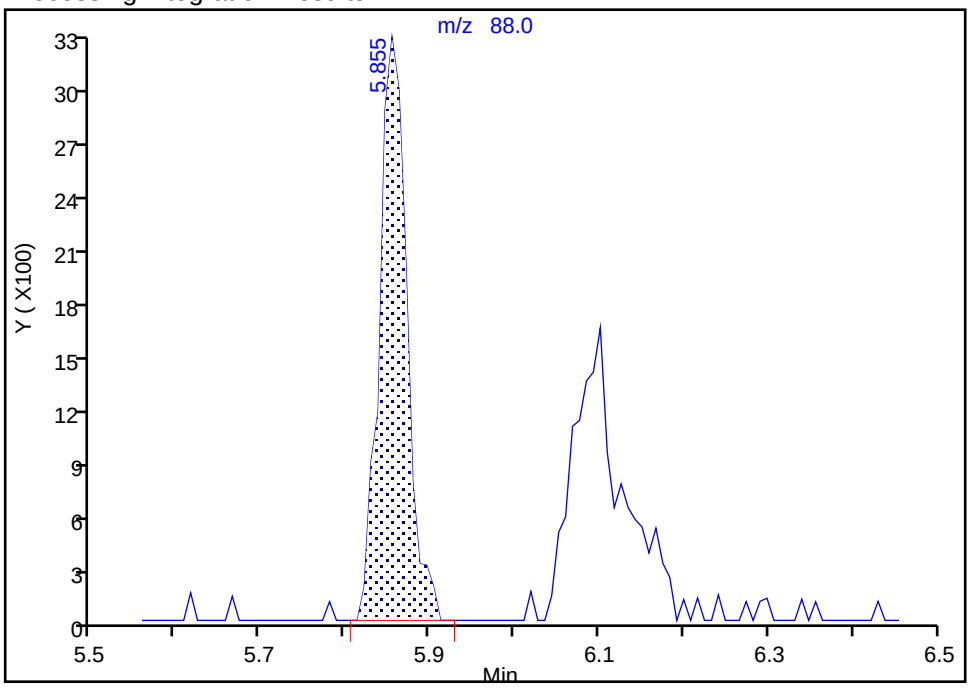
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65709.D
Injection Date: 05-Jun-2018 03:59:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

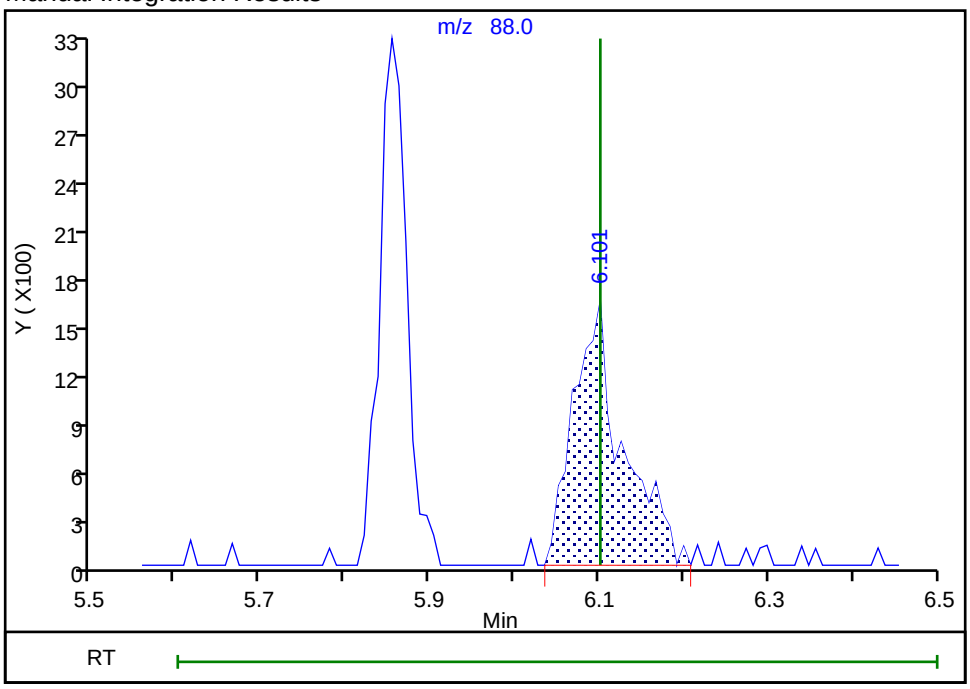
Processing Integration Results

RT: 5.85
Area: 7432
Amount: 358.4075
Amount Units: ug/l




Manual Integration Results

RT: 6.10
Area: 6680
Amount: 196.3416
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 04:29:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65710.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Jun-2018 04:22:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0073199-008
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jun-2018 13:07:56 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: boykink Date: 05-Jun-2018 05:23:28

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.533 | 1.525 | 0.008 | 89 | 142666 | 50.0 | 48.9 | |
| 2 Dichlorodifluoromethane | 85 | 1.566 | 1.557 | 0.009 | 99 | 356231 | 50.0 | 48.3 | |
| 3 Chloromethane | 50 | 1.739 | 1.730 | 0.009 | 99 | 372506 | 50.0 | 46.4 | |
| 5 Butadiene | 54 | 1.829 | 1.820 | 0.009 | 97 | 300218 | 50.0 | 46.9 | |
| 4 Vinyl chloride | 62 | 1.829 | 1.820 | 0.009 | 98 | 357370 | 50.0 | 47.4 | |
| 6 Bromomethane | 94 | 2.108 | 2.100 | 0.008 | 99 | 230851 | 50.0 | 46.2 | |
| 7 Chloroethane | 64 | 2.166 | 2.157 | 0.009 | 100 | 205699 | 50.0 | 47.2 | |
| 8 Dichlorofluoromethane | 67 | 2.338 | 2.338 | 0.000 | 98 | 526038 | 50.0 | 47.8 | |
| 9 Trichlorofluoromethane | 101 | 2.355 | 2.355 | 0.000 | 98 | 373746 | 50.0 | 47.0 | |
| 10 Pentane | 72 | 2.363 | 2.355 | 0.008 | 97 | 78720 | 100.0 | 95.0 | |
| 12 Ethyl ether | 59 | 2.552 | 2.544 | 0.008 | 95 | 176612 | 50.0 | 49.2 | |
| 11 Ethanol | 46 | 2.552 | 2.552 | 0.000 | 68 | 15993 | 2000.0 | 1452.4 | M |
| 13 2-Methyl-1,3-butadiene | 53 | 2.577 | 2.568 | 0.009 | 96 | 203078 | 50.0 | 48.1 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.610 | 2.601 | 0.009 | 92 | 196761 | 50.0 | 49.3 | |
| 15 Acrolein | 56 | 2.725 | 2.724 | 0.001 | 38 | 40302 | 100.0 | 94.5 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.741 | 2.732 | 0.009 | 96 | 231164 | 50.0 | 49.9 | |
| 17 1,1-Dichloroethene | 96 | 2.757 | 2.757 | 0.000 | 97 | 214842 | 50.0 | 49.4 | |
| 18 Acetone | 43 | 2.848 | 2.848 | 0.000 | 87 | 247290 | 250.0 | 247.6 | |
| 19 Iodomethane | 142 | 2.914 | 2.905 | 0.009 | 98 | 371827 | 50.0 | 48.3 | |
| 20 Isopropyl alcohol | 45 | 2.963 | 2.938 | 0.025 | 27 | 87444 | 500.0 | 532.5 | |
| 21 Carbon disulfide | 76 | 2.946 | 2.946 | 0.000 | 99 | 835179 | 50.0 | 49.0 | |
| 22 3-Chloro-1-propene | 41 | 3.070 | 3.061 | 0.009 | 97 | 447413 | 50.0 | 48.8 | |
| 24 Methyl acetate | 43 | 3.078 | 3.078 | 0.000 | 98 | 261514 | 100.0 | 95.9 | |
| 23 Cyclopentene | 67 | 3.086 | 3.078 | 0.008 | 94 | 557525 | 50.0 | 49.5 | |
| 25 Acetonitrile | 41 | 3.152 | 3.143 | 0.009 | 95 | 236800 | 500.0 | 528.5 | |
| 27 Methylene Chloride | 84 | 3.193 | 3.184 | 0.009 | 94 | 255775 | 50.0 | 48.6 | |
| * 26 TBA-d9 (IS) | 65 | 3.218 | 3.201 | 0.017 | 0 | 108171 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.283 | 3.267 | 0.016 | 92 | 156668 | 500.0 | 501.0 | |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.341 | 0.008 | 97 | 659177 | 50.0 | 50.5 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.374 | 3.373 | 0.001 | 96 | 236090 | 50.0 | 48.6 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.448 | 3.447 | 0.001 | 95 | 772231 | 500.0 | 480.2 | |
| 32 Hexane | 43 | 3.522 | 3.521 | 0.001 | 94 | 207924 | 50.0 | 49.1 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.719 | 0.008 | 96 | 809587 | 50.0 | 49.9 | |
| 34 1,1-Dichloroethane | 63 | 3.768 | 3.760 | 0.008 | 99 | 431972 | 50.0 | 48.9 | |
| 35 Vinyl acetate | 86 | 3.776 | 3.768 | 0.008 | 100 | 82549 | 100.0 | 100.0 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.809 | 0.000 | 92 | 211002 | 50.0 | 51.1 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.031 | 0.008 | 89 | 749441 | 50.0 | 50.0 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.236 | 0.009 | 0 | 107648 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.261 | 4.261 | 0.000 | 96 | 85261 | 50.0 | 48.5 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.278 | 4.277 | 0.001 | 94 | 266315 | 50.0 | 49.7 | |
| 42 Ethyl acetate | 70 | 4.294 | 4.285 | 0.009 | 97 | 39472 | 100.0 | 105.0 | |
| 41 2-Butanone (MEK) | 72 | 4.294 | 4.294 | 0.000 | 96 | 98992 | 250.0 | 257.7 | |
| 43 Methyl acrylate | 55 | 4.343 | 4.343 | 0.000 | 99 | 156804 | 50.0 | 49.7 | a |
| 44 Propionitrile | 54 | 4.434 | 4.425 | 0.009 | 98 | 255647 | 500.0 | 530.5 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 91 | 119657 | 50.0 | 49.7 | |
| 46 Tetrahydrofuran | 72 | 4.516 | 4.507 | 0.009 | 50 | 46445 | 100.0 | 99.5 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 92 | 792048 | 500.0 | 500.9 | |
| 48 Chloroform | 83 | 4.549 | 4.548 | 0.001 | 98 | 396837 | 50.0 | 49.1 | |
| 49 Cyclohexane | 84 | 4.688 | 4.680 | 0.008 | 91 | 366125 | 50.0 | 51.7 | |
| 50 1,1,1-Trichloroethane | 97 | 4.697 | 4.696 | 0.001 | 98 | 350816 | 50.0 | 49.1 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 96 | 77450 | 50.0 | 48.9 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.811 | 0.009 | 98 | 285281 | 50.0 | 49.7 | |
| 53 1,1-Dichloropropene | 75 | 4.845 | 4.836 | 0.009 | 97 | 320224 | 50.0 | 50.1 | |
| 54 Isobutyl alcohol | 43 | 5.001 | 4.992 | 0.009 | 36 | 274244 | 1250.0 | 1293.4 | |
| 55 Benzene | 78 | 5.042 | 5.041 | 0.001 | 96 | 947836 | 50.0 | 50.9 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.050 | 0.008 | 0 | 86699 | 50.0 | 45.1 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 96 | 606451 | 50.0 | 49.1 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.091 | 0.008 | 94 | 753601 | 50.0 | 49.8 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.124 | 0.008 | 96 | 290583 | 50.0 | 48.1 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 93 | 174567 | 50.0 | 50.7 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 99 | 320871 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.658 | 5.658 | 0.000 | 89 | 62801 | 1250.0 | 1359.2 | a |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 98 | 231237 | 50.0 | 48.8 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.797 | 0.001 | 87 | 416832 | 50.0 | 50.6 | |
| 65 Ethyl acrylate | 55 | 5.789 | 5.797 | -0.008 | 91 | 535081 | 50.0 | 51.0 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 91 | 242057 | 50.0 | 49.2 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.028 | 6.027 | 0.001 | 0 | 10097 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.036 | 6.027 | 0.009 | 89 | 98978 | 100.0 | 105.2 | |
| 70 n-Propyl acetate | 43 | 6.085 | 6.085 | 0.000 | 98 | 242383 | 50.0 | 50.9 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 97 | 132719 | 50.0 | 48.0 | |
| 69 1,4-Dioxane | 88 | 6.085 | 6.101 | -0.016 | 28 | 19253 | 1000.0 | 470.6 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 100 | 303140 | 50.0 | 49.6 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 87 | 120560 | 50.0 | 50.1 | |
| 73 2-Nitropropane | 41 | 6.578 | 6.570 | 0.008 | 85 | 83029 | 100.0 | 95.2 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 330354 | 1000.0 | 1045.1 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 92 | 348556 | 50.0 | 50.4 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.898 | 0.001 | 96 | 945885 | 250.0 | 271.2 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 98 | 322124 | 50.0 | 51.5 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 94 | 952842 | 50.0 | 50.8 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 98 | 286351 | 50.0 | 50.1 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 90 | 256546 | 50.0 | 53.5 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 95 | 157571 | 50.0 | 49.5 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.671 | 7.671 | 0.000 | 96 | 223240 | 50.0 | 50.3 | |
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 93 | 302610 | 50.0 | 50.7 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 96 | 513244 | 250.0 | 250.9 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 99 | 301321 | 50.0 | 52.8 | |
| 87 Chlorodibromomethane | 129 | 8.066 | 8.065 | 0.001 | 99 | 198562 | 50.0 | 51.1 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.221 | 0.001 | 99 | 164986 | 50.0 | 49.8 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 86 | 215180 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 94 | 573377 | 50.0 | 50.7 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.903 | 0.001 | 99 | 337079 | 50.0 | 50.3 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 96 | 219570 | 50.0 | 50.9 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 417158 | 50.0 | 52.3 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 97 | 161856 | 50.0 | 50.6 | |
| 95 o-Xylene | 106 | 9.504 | 9.503 | 0.001 | 94 | 431751 | 50.0 | 52.3 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 96 | 661552 | 50.0 | 53.5 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 91 | 364053 | 50.0 | 51.5 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 96 | 121865 | 50.0 | 51.5 | |
| 99 Isopropylbenzene | 105 | 9.849 | 9.848 | 0.001 | 96 | 1116785 | 50.0 | 54.1 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 89 | 88252 | 50.0 | 49.7 | |
| 101 Bromobenzene | 156 | 10.153 | 10.152 | 0.001 | 99 | 256290 | 50.0 | 50.8 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.186 | 10.185 | 0.001 | 98 | 240433 | 50.0 | 48.8 | |
| 103 N-Propylbenzene | 91 | 10.210 | 10.210 | 0.000 | 99 | 1285093 | 50.0 | 52.4 | |
| 104 1,2,3-Trichloropropane | 110 | 10.227 | 10.226 | 0.001 | 97 | 65175 | 50.0 | 48.6 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 92 | 60256 | 50.0 | 48.8 | |
| 106 2-Chlorotoluene | 91 | 10.301 | 10.300 | 0.001 | 95 | 892206 | 50.0 | 51.7 | |
| 107 4-Ethyltoluene | 105 | 10.301 | 10.300 | 0.001 | 96 | 1074113 | 50.0 | 52.5 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.358 | 10.358 | 0.000 | 93 | 938853 | 50.0 | 52.3 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 784330 | 50.0 | 50.9 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 91 | 326053 | 50.0 | 51.6 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 93 | 749210 | 50.0 | 52.9 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 98 | 957191 | 50.0 | 52.7 | |
| 113 sec-Butylbenzene | 105 | 10.752 | 10.752 | 0.000 | 99 | 1171472 | 50.0 | 54.2 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 97 | 995738 | 50.0 | 53.9 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 97 | 501287 | 50.0 | 50.5 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.909 | 10.908 | 0.001 | 95 | 123148 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 93 | 510785 | 50.0 | 50.6 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 99 | 1005697 | 50.0 | 52.5 | |
| 118 Benzyl chloride | 91 | 11.024 | 11.023 | 0.001 | 99 | 501836 | 50.0 | 53.5 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 95 | 972120 | 50.0 | 52.1 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 94 | 566987 | 50.0 | 51.7 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 97 | 525625 | 50.0 | 52.2 | |
| 122 1,2-Dichlorobenzene | 146 | 11.172 | 11.171 | 0.001 | 95 | 502699 | 50.0 | 51.1 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.574 | 11.574 | 0.000 | 97 | 943788 | 50.0 | 52.8 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.656 | 11.656 | 0.000 | 96 | 43344 | 50.0 | 49.0 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.739 | 11.738 | 0.000 | 97 | 384287 | 50.0 | 50.8 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.141 | 12.141 | 0.000 | 94 | 340299 | 50.0 | 52.1 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.198 | 0.009 | 96 | 151114 | 50.0 | 50.2 | |
| 128 Naphthalene | 128 | 12.314 | 12.313 | 0.001 | 99 | 777126 | 50.0 | 52.4 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.478 | 12.478 | 0.000 | 95 | 298154 | 50.0 | 49.4 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 100.0 | 98.4 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 100.0 | 104.7 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00257 | Amount Added: | 5.00 | Units: uL | |
| MIX I Hi_00094 | Amount Added: | 5.00 | Units: uL | |
| MIX 2 Hi_00071 | Amount Added: | 5.00 | Units: uL | |
| Ethanol mix_00016 | Amount Added: | 5.00 | Units: uL | |
| ACROLEIN W_00077 | Amount Added: | 10.00 | Units: uL | |
| VOA6IS/SURR_00010 | Amount Added: | 5.00 | Units: uL | Run Reagent |

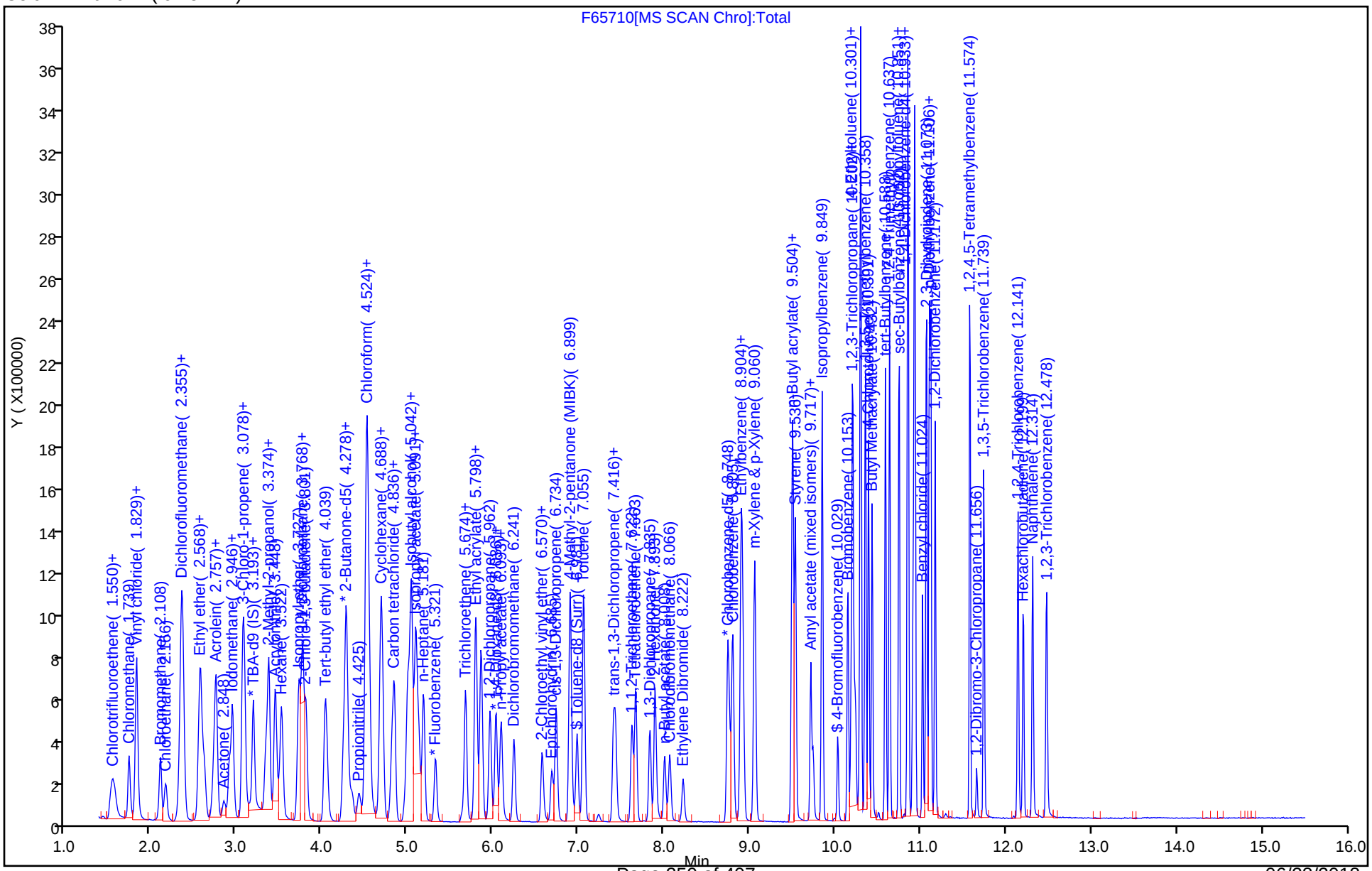
Report Date: 07-Jun-2018 13:08:02 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65710.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Jun-2018 04:22:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | STD50 | | | Worklist Smp#: | 8 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 7 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

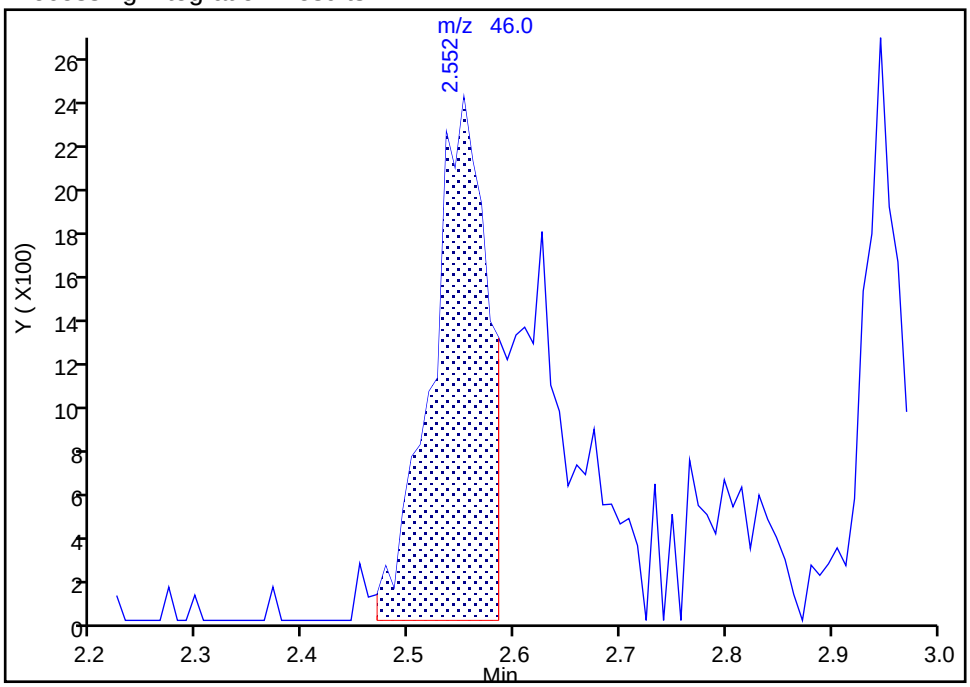
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65710.D
Injection Date: 05-Jun-2018 04:22:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 Ethanol, CAS: 64-17-5

Signal: 1

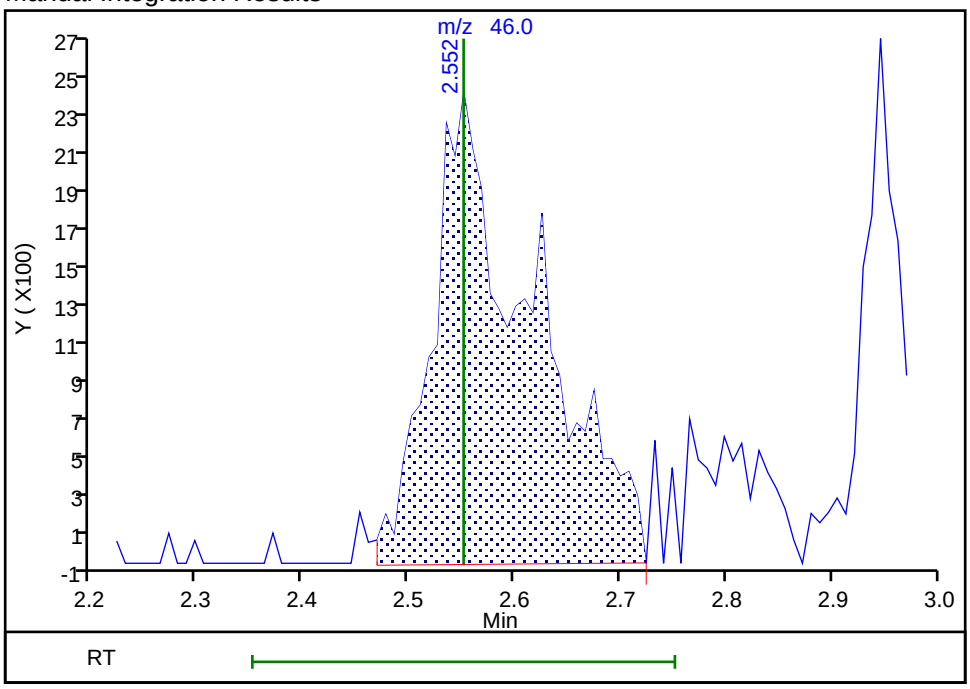
Processing Integration Results

RT: 2.55
Area: 8951
Amount: 843.8164
Amount Units: ug/l




Manual Integration Results

RT: 2.55
Area: 15993
Amount: 1452.4464
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 10:23:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

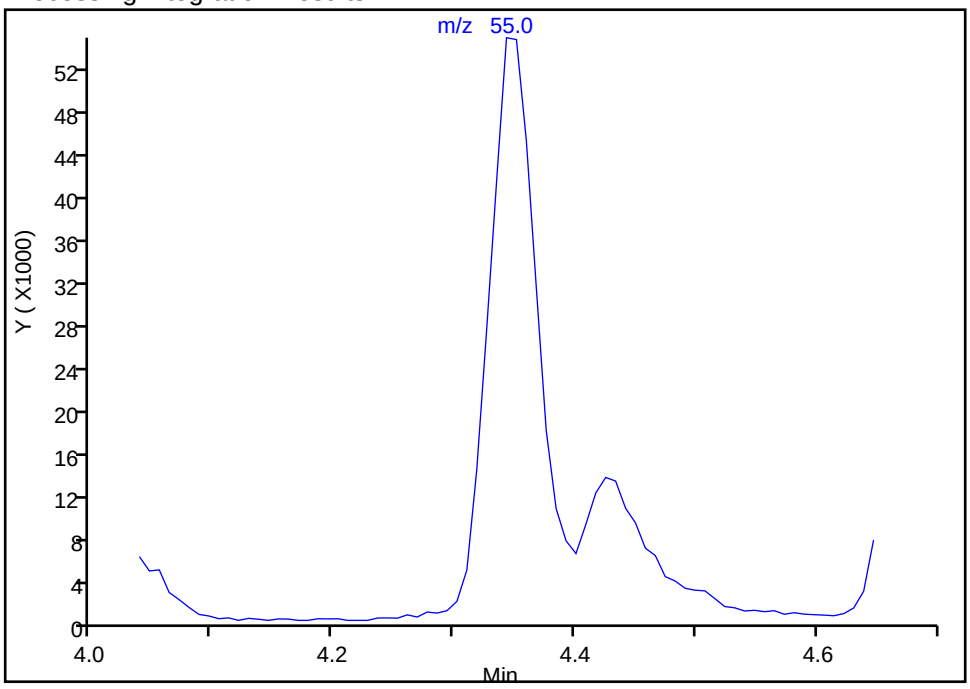
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65710.D
Injection Date: 05-Jun-2018 04:22:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 43 Methyl acrylate, CAS: 96-33-3

Signal: 1

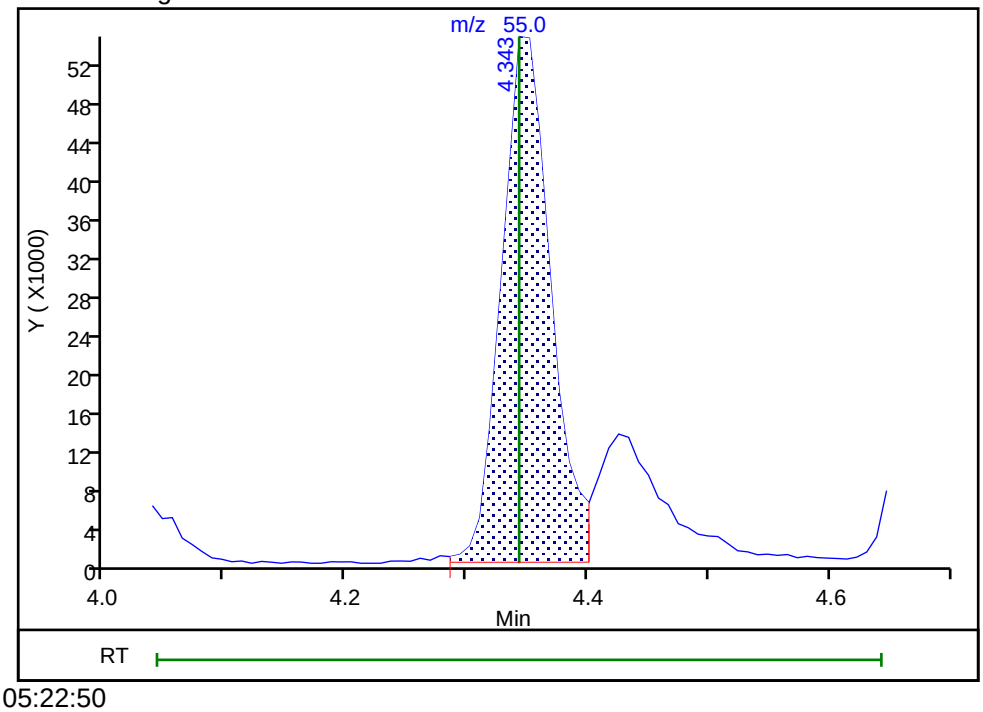
Not Detected
Expected RT: 4.34

Processing Integration Results




Manual Integration Results

RT: 4.34
Area: 156804
Amount: 49.683155
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 05:22:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

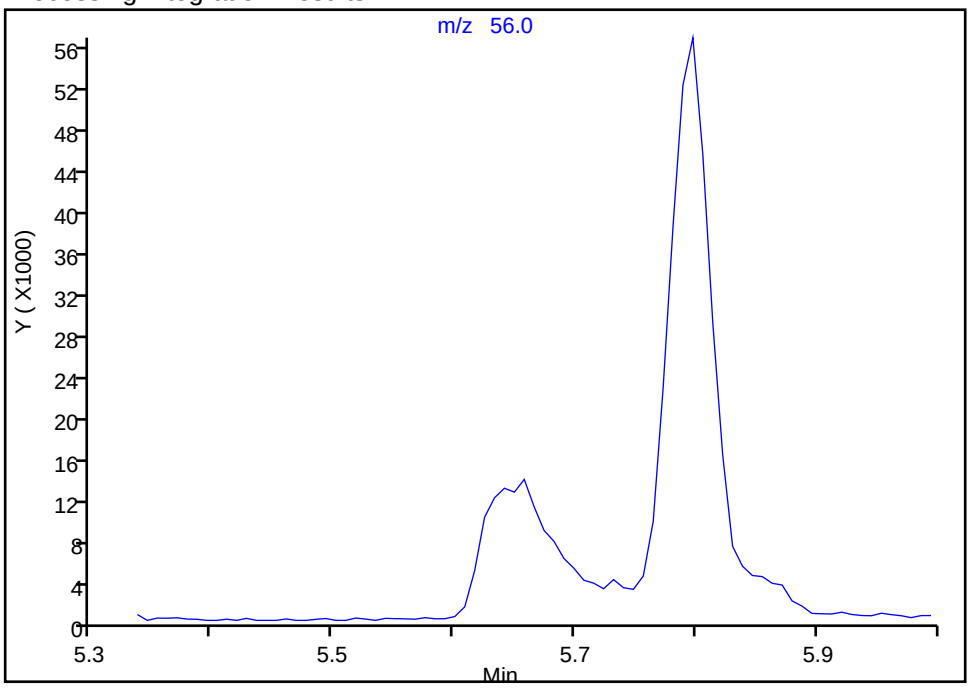
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65710.D
Injection Date: 05-Jun-2018 04:22:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 62 n-Butanol, CAS: 71-36-3

Signal: 1

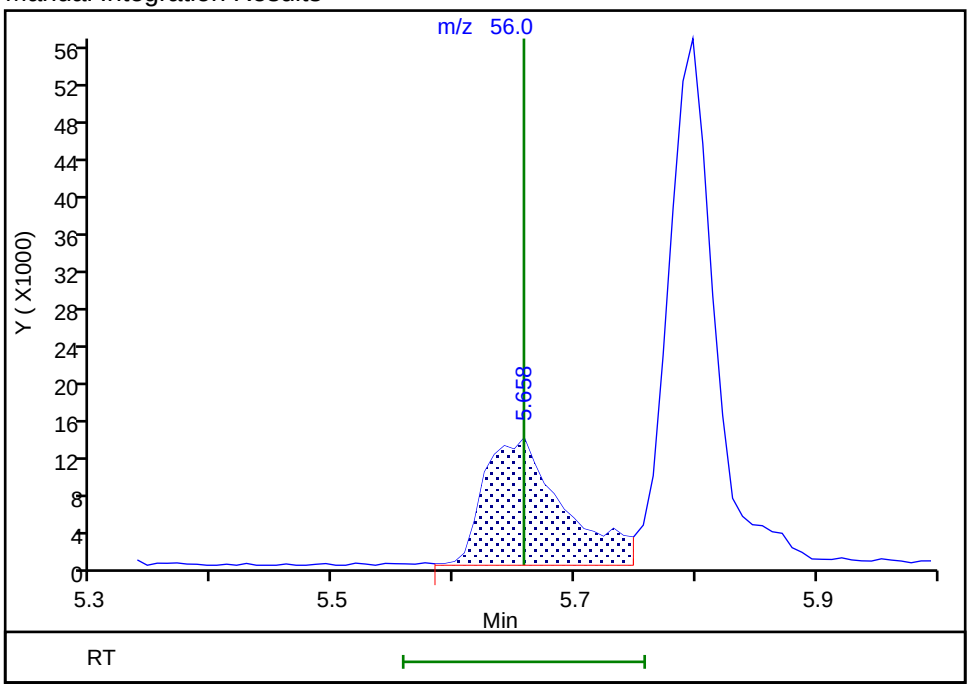
Not Detected
Expected RT: 5.66

Processing Integration Results




Manual Integration Results

RT: 5.66
Area: 62801
Amount: 1359.2495
Amount Units: ug/l




Reviewer: boykink, 05-Jun-2018 05:23:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65711.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Jun-2018 04:46:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0073199-009
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jun-2018 13:08:15 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: boykink Date: 05-Jun-2018 05:26:44

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.525 | 1.525 | 0.000 | 89 | 629431 | 200.0 | 211.8 | |
| 2 Dichlorodifluoromethane | 85 | 1.558 | 1.557 | 0.001 | 99 | 1504837 | 200.0 | 200.4 | |
| 3 Chloromethane | 50 | 1.730 | 1.730 | 0.000 | 99 | 1564119 | 200.0 | 191.2 | |
| 4 Vinyl chloride | 62 | 1.821 | 1.820 | 0.001 | 98 | 1514038 | 200.0 | 197.0 | |
| 5 Butadiene | 54 | 1.821 | 1.820 | 0.001 | 97 | 1400579 | 200.0 | 214.6 | |
| 6 Bromomethane | 94 | 2.100 | 2.100 | 0.000 | 99 | 959335 | 200.0 | 188.7 | |
| 7 Chloroethane | 64 | 2.166 | 2.157 | 0.009 | 100 | 841444 | 200.0 | 189.6 | |
| 8 Dichlorofluoromethane | 67 | 2.338 | 2.338 | 0.000 | 98 | 2054678 | 200.0 | 183.3 | |
| 10 Pentane | 72 | 2.355 | 2.355 | 0.000 | 96 | 339122 | 400.0 | 360.9 | |
| 9 Trichlorofluoromethane | 101 | 2.355 | 2.355 | 0.000 | 99 | 1555275 | 200.0 | 192.2 | |
| 12 Ethyl ether | 59 | 2.544 | 2.544 | 0.000 | 95 | 713472 | 200.0 | 195.2 | |
| 11 Ethanol | 46 | 2.544 | 2.552 | -0.008 | 81 | 97051 | 8000.0 | 8240.9 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.568 | 2.568 | 0.000 | 96 | 825924 | 200.0 | 192.2 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.610 | 2.601 | 0.009 | 94 | 739007 | 200.0 | 181.9 | |
| 15 Acrolein | 56 | 2.725 | 2.724 | 0.001 | 33 | 84033 | 200.0 | 173.8 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.733 | 2.732 | 0.001 | 96 | 857644 | 200.0 | 181.9 | |
| 17 1,1-Dichloroethene | 96 | 2.757 | 2.757 | 0.000 | 97 | 833928 | 200.0 | 188.2 | |
| 18 Acetone | 43 | 2.840 | 2.848 | -0.008 | 87 | 1004464 | 1000.0 | 1054.0 | |
| 19 Iodomethane | 142 | 2.905 | 2.905 | 0.000 | 98 | 1509898 | 200.0 | 192.7 | |
| 20 Isopropyl alcohol | 45 | 2.938 | 2.938 | 0.000 | 30 | 369251 | 2000.0 | 1982.9 | |
| 21 Carbon disulfide | 76 | 2.946 | 2.946 | 0.000 | 99 | 3270727 | 200.0 | 188.3 | |
| 22 3-Chloro-1-propene | 41 | 3.061 | 3.061 | 0.000 | 97 | 1766915 | 200.0 | 189.4 | |
| 23 Cyclopentene | 67 | 3.086 | 3.078 | 0.008 | 95 | 2248059 | 200.0 | 195.9 | |
| 24 Methyl acetate | 43 | 3.070 | 3.078 | -0.008 | 100 | 1097855 | 400.0 | 395.3 | |
| 25 Acetonitrile | 41 | 3.135 | 3.143 | -0.008 | 98 | 885271 | 2000.0 | 1793.7 | |
| 27 Methylene Chloride | 84 | 3.185 | 3.184 | 0.001 | 92 | 1001523 | 200.0 | 186.8 | |
| * 26 TBA-d9 (IS) | 65 | 3.185 | 3.201 | -0.016 | 0 | 122666 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.275 | 3.267 | 0.008 | 93 | 661419 | 2000.0 | 1865.0 | M |
| 29 Methyl tert-butyl ether | 73 | 3.341 | 3.341 | 0.000 | 97 | 2598832 | 200.0 | 195.4 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.374 | 3.373 | 0.001 | 96 | 898589 | 200.0 | 181.8 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.448 | 3.447 | 0.001 | 95 | 3091407 | 2000.0 | 1887.8 | |
| 32 Hexane | 43 | 3.513 | 3.521 | -0.008 | 93 | 756915 | 200.0 | 175.6 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.719 | 0.008 | 96 | 3147778 | 200.0 | 190.4 | |
| 34 1,1-Dichloroethane | 63 | 3.760 | 3.760 | 0.000 | 100 | 1649314 | 200.0 | 183.5 | |
| 35 Vinyl acetate | 86 | 3.768 | 3.768 | 0.000 | 100 | 348460 | 400.0 | 414.4 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.801 | 3.809 | -0.008 | 92 | 833500 | 200.0 | 198.3 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.031 | 0.008 | 89 | 2967966 | 200.0 | 194.3 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.236 | 0.009 | 0 | 110521 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.261 | 4.261 | 0.000 | 96 | 335479 | 200.0 | 187.3 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.278 | 4.277 | 0.001 | 95 | 1022516 | 200.0 | 187.5 | |
| 42 Ethyl acetate | 70 | 4.286 | 4.285 | 0.001 | 96 | 167988 | 400.0 | 435.1 | |
| 41 2-Butanone (MEK) | 72 | 4.294 | 4.294 | 0.000 | 96 | 422936 | 1000.0 | 1072.5 | |
| 43 Methyl acrylate | 55 | 4.343 | 4.343 | 0.000 | 100 | 691628 | 200.0 | 204.0 | |
| 44 Propionitrile | 54 | 4.425 | 4.425 | 0.000 | 98 | 1079267 | 2000.0 | 1974.9 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 91 | 466457 | 200.0 | 190.4 | |
| 46 Tetrahydrofuran | 72 | 4.499 | 4.507 | -0.008 | 74 | 194418 | 400.0 | 405.5 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 92 | 3296913 | 2000.0 | 2047.4 | |
| 48 Chloroform | 83 | 4.549 | 4.548 | 0.001 | 99 | 1527896 | 200.0 | 185.7 | |
| 49 Cyclohexane | 84 | 4.688 | 4.680 | 0.008 | 92 | 1379206 | 200.0 | 191.3 | |
| 50 1,1,1-Trichloroethane | 97 | 4.697 | 4.696 | 0.001 | 99 | 1360442 | 200.0 | 187.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 97 | 75486 | 50.0 | 46.8 | |
| 52 Carbon tetrachloride | 117 | 4.812 | 4.811 | 0.001 | 98 | 1111812 | 200.0 | 190.2 | |
| 53 1,1-Dichloropropene | 75 | 4.836 | 4.836 | 0.000 | 97 | 1225536 | 200.0 | 188.2 | |
| 54 Isobutyl alcohol | 43 | 5.001 | 4.992 | 0.009 | 88 | 1234211 | 5000.0 | 5133.2 | |
| 55 Benzene | 78 | 5.042 | 5.041 | 0.001 | 97 | 3646795 | 200.0 | 182.4 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.050 | 5.050 | 0.000 | 0 | 105688 | 50.0 | 54.0 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.091 | 0.008 | 92 | 3095777 | 200.0 | 200.7 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 97 | 2584944 | 200.0 | 205.6 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.124 | 0.008 | 95 | 1165613 | 200.0 | 189.3 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 92 | 660440 | 200.0 | 188.2 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 326761 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.633 | 5.658 | -0.025 | 87 | 336269 | 5000.0 | 5530.5 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 99 | 912859 | 200.0 | 189.1 | |
| 65 Ethyl acrylate | 55 | 5.789 | 5.797 | -0.008 | 99 | 2151499 | 200.0 | 201.3 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.797 | 0.001 | 87 | 1569356 | 200.0 | 187.1 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 91 | 978165 | 200.0 | 195.3 | |
| 68 Methyl methacrylate | 100 | 6.028 | 6.027 | 0.001 | 88 | 418733 | 400.0 | 436.9 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.028 | 6.027 | 0.001 | 0 | 5732 | 1000.0 | 1000.0 | |
| 70 n-Propyl acetate | 43 | 6.085 | 6.085 | 0.000 | 98 | 1077533 | 200.0 | 222.0 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 96 | 534624 | 200.0 | 189.8 | |
| 69 1,4-Dioxane | 88 | 6.077 | 6.101 | -0.024 | 80 | 86166 | 4000.0 | 4315.6 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 100 | 1252062 | 200.0 | 201.0 | |
| 73 2-Nitropropane | 41 | 6.570 | 6.570 | 0.000 | 78 | 380057 | 400.0 | 423.3 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 77 | 545526 | 200.0 | 222.8 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 1452825 | 4000.0 | 4476.8 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 92 | 1501754 | 200.0 | 202.3 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.898 | 0.001 | 96 | 3943948 | 1000.0 | 1101.6 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 98 | 330101 | 50.0 | 49.1 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 94 | 3800215 | 200.0 | 188.6 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 99 | 1261396 | 200.0 | 205.6 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 90 | 1132220 | 200.0 | 219.7 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 95 | 646363 | 200.0 | 188.8 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.663 | 7.671 | -0.008 | 96 | 884689 | 200.0 | 185.5 | |
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 94 | 1293837 | 200.0 | 201.6 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 96 | 2294667 | 1000.0 | 1108.8 | |
| 86 n-Butyl acetate | 43 | 8.000 | 8.008 | -0.008 | 99 | 1281103 | 200.0 | 208.8 | |
| 87 Chlorodibromomethane | 129 | 8.066 | 8.065 | 0.001 | 99 | 844759 | 200.0 | 202.5 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.221 | 0.001 | 99 | 722746 | 200.0 | 203.2 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 85 | 231203 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 93 | 2365072 | 200.0 | 194.6 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.903 | 0.001 | 98 | 1361207 | 200.0 | 189.0 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 95 | 904117 | 200.0 | 195.1 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 1691182 | 200.0 | 197.4 | |
| 94 n-Butyl acrylate | 73 | 9.487 | 9.495 | -0.008 | 98 | 705309 | 200.0 | 205.4 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 94 | 1724412 | 200.0 | 194.5 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 95 | 2698318 | 200.0 | 203.0 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 92 | 1587572 | 200.0 | 216.4 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 96 | 513343 | 200.0 | 202.1 | |
| 99 Isopropylbenzene | 105 | 9.849 | 9.848 | 0.001 | 97 | 4213782 | 200.0 | 190.0 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 89 | 96175 | 50.0 | 50.4 | |
| 101 Bromobenzene | 156 | 10.153 | 10.152 | 0.001 | 98 | 998221 | 200.0 | 194.2 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.186 | 10.185 | 0.001 | 99 | 981086 | 200.0 | 195.2 | |
| 103 N-Propylbenzene | 91 | 10.202 | 10.210 | -0.008 | 99 | 4744071 | 200.0 | 189.8 | |
| 104 1,2,3-Trichloropropane | 110 | 10.227 | 10.226 | 0.001 | 97 | 272701 | 200.0 | 199.5 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 85 | 254387 | 200.0 | 202.0 | |
| 107 4-Ethyltoluene | 105 | 10.301 | 10.300 | 0.001 | 87 | 4209590 | 200.0 | 201.8 | |
| 106 2-Chlorotoluene | 91 | 10.301 | 10.300 | 0.001 | 96 | 3512386 | 200.0 | 199.6 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.358 | 10.358 | 0.000 | 94 | 3604513 | 200.0 | 196.9 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 2999148 | 200.0 | 191.0 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 91 | 1399515 | 200.0 | 214.1 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 93 | 2964115 | 200.0 | 205.5 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 98 | 3670846 | 200.0 | 198.2 | |
| 113 sec-Butylbenzene | 105 | 10.752 | 10.752 | 0.000 | 97 | 4332155 | 200.0 | 196.5 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 96 | 3795805 | 200.0 | 201.7 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 94 | 1939009 | 200.0 | 191.5 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.909 | 10.908 | 0.001 | 87 | 125541 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 92 | 1942231 | 200.0 | 188.8 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 98 | 3949110 | 200.0 | 202.1 | |
| 118 Benzyl chloride | 91 | 11.024 | 11.023 | 0.001 | 99 | 2058249 | 200.0 | 215.3 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 95 | 3736568 | 200.0 | 196.4 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 93 | 2200018 | 200.0 | 196.9 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 97 | 2003282 | 200.0 | 195.2 | |
| 122 1,2-Dichlorobenzene | 146 | 11.172 | 11.171 | 0.001 | 94 | 1918307 | 200.0 | 191.2 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.574 | 11.574 | 0.000 | 98 | 3693231 | 200.0 | 202.8 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.656 | 11.656 | 0.000 | 98 | 188042 | 200.0 | 212.5 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.738 | 11.738 | 0.000 | 97 | 1498256 | 200.0 | 194.1 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.141 | 12.141 | 0.000 | 95 | 1364183 | 200.0 | 205.0 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.198 | 0.009 | 94 | 595626 | 200.0 | 194.0 | |
| 128 Naphthalene | 128 | 12.314 | 12.313 | 0.001 | 99 | 3224490 | 200.0 | 213.3 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.478 | 12.478 | 0.000 | 95 | 1231356 | 200.0 | 200.3 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 400.0 | 369.3 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 400.0 | 392.0 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00257 | Amount Added: | 20.00 | Units: uL | |
| MIX I Hi_00094 | Amount Added: | 20.00 | Units: uL | |
| MIX 2 Hi_00071 | Amount Added: | 20.00 | Units: uL | |
| Ethanol mix_00016 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00077 | Amount Added: | 20.00 | Units: uL | |
| VOA6IS/SURR_00010 | Amount Added: | 5.00 | Units: uL | Run Reagent |

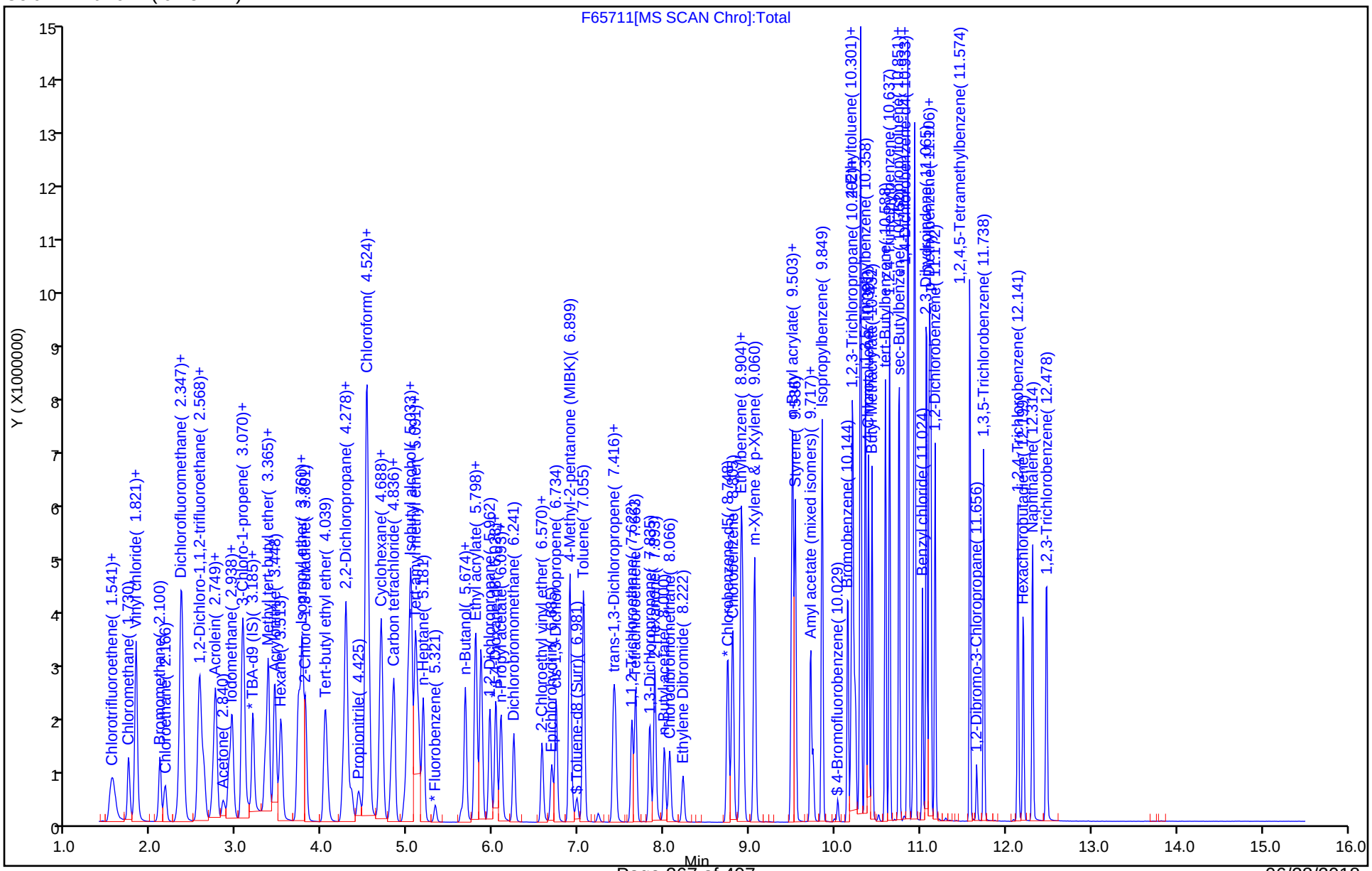
Report Date: 07-Jun-2018 13:08:21 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65711.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Jun-2018 04:46:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | STD200 | | | Worklist Smp#: | 9 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 8 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

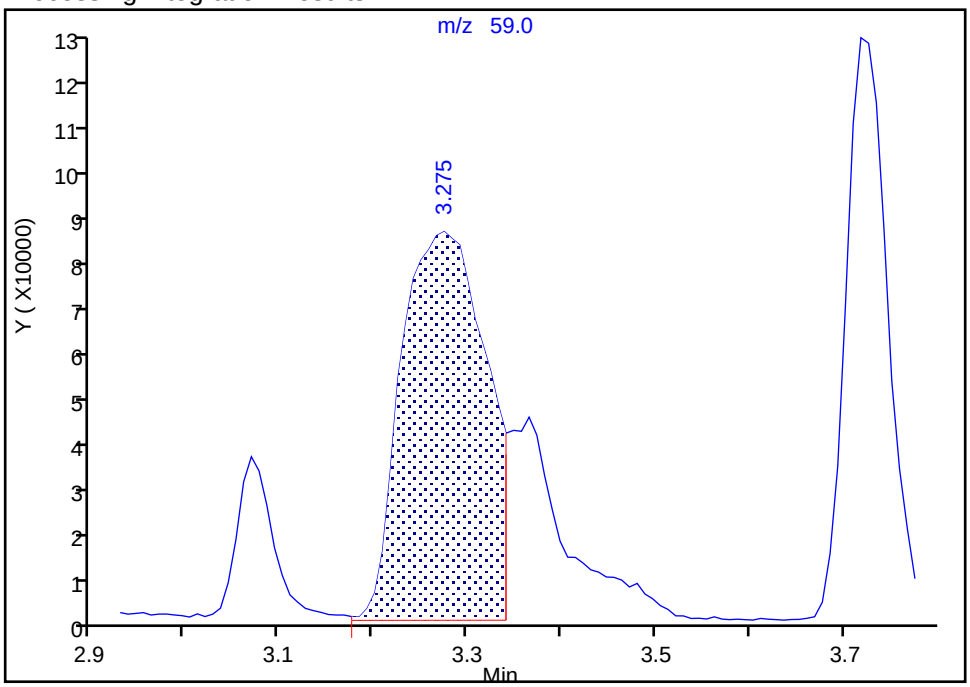
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65711.D
Injection Date: 05-Jun-2018 04:46:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Signal: 1

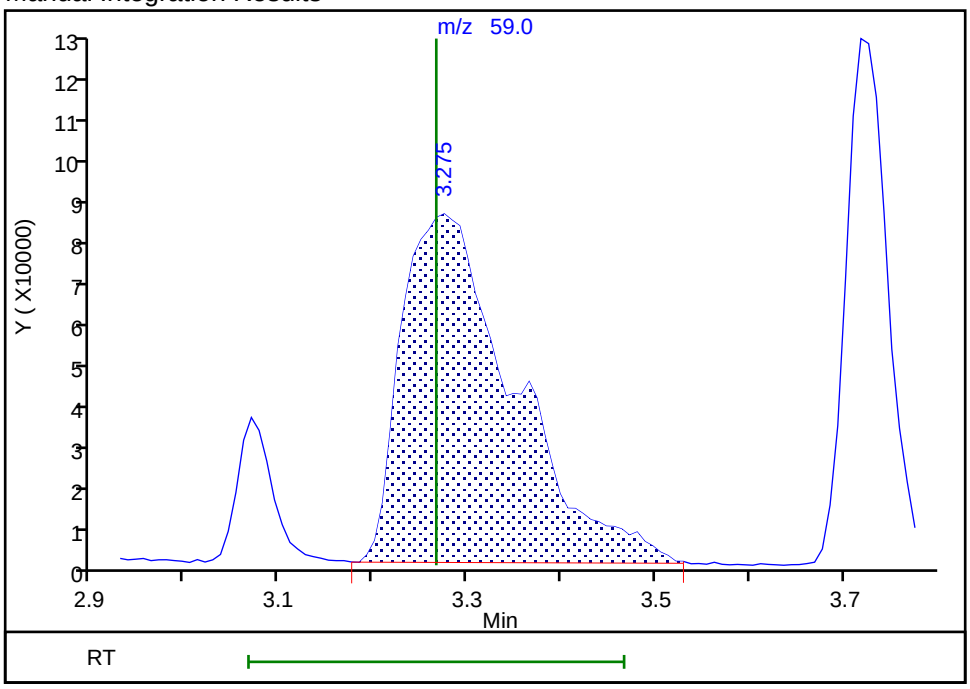
Processing Integration Results

RT: 3.28
Area: 505696
Amount: 1480.0985
Amount Units: ug/l




Manual Integration Results

RT: 3.28
Area: 661419
Amount: 1865.0399
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 11:29:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Jun-2018 05:09:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0073199-010
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jun-2018 13:08:34 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: boykink Date: 05-Jun-2018 05:36:24

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.533 | 1.525 | 0.008 | 90 | 1653089 | 500.0 | 522.2 | |
| 2 Dichlorodifluoromethane | 85 | 1.566 | 1.557 | 0.009 | 99 | 3742797 | 500.0 | 468.0 | |
| 3 Chloromethane | 50 | 1.738 | 1.730 | 0.008 | 98 | 3658233 | 500.0 | 419.9 | |
| 5 Butadiene | 54 | 1.829 | 1.820 | 0.009 | 97 | 3422837 | 500.0 | 489.7 | |
| 4 Vinyl chloride | 62 | 1.829 | 1.820 | 0.009 | 98 | 3591383 | 500.0 | 438.8 | |
| 6 Bromomethane | 94 | 2.108 | 2.100 | 0.008 | 99 | 2299493 | 500.0 | 424.7 | |
| 7 Chloroethane | 64 | 2.166 | 2.157 | 0.009 | 100 | 2051335 | 500.0 | 434.0 | |
| 8 Dichlorofluoromethane | 67 | 2.347 | 2.338 | 0.008 | 98 | 4910096 | 500.0 | 411.2 | |
| 9 Trichlorofluoromethane | 101 | 2.363 | 2.355 | 0.008 | 98 | 3945917 | 500.0 | 457.9 | |
| 10 Pentane | 72 | 2.371 | 2.355 | 0.016 | 95 | 898064 | 1000.0 | 1050.6 | |
| 12 Ethyl ether | 59 | 2.544 | 2.544 | 0.000 | 94 | 1741336 | 500.0 | 447.2 | |
| 11 Ethanol | 46 | 2.544 | 2.552 | -0.008 | 68 | 191591 | 20000 | 19958 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.577 | 2.568 | 0.009 | 97 | 2058088 | 500.0 | 449.7 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.618 | 2.601 | 0.017 | 92 | 1955979 | 500.0 | 451.9 | |
| 15 Acrolein | 56 | 2.724 | 2.724 | 0.000 | 93 | 189962 | 400.0 | 431.8 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.741 | 2.732 | 0.009 | 96 | 2365245 | 500.0 | 470.9 | |
| 17 1,1-Dichloroethene | 96 | 2.766 | 2.757 | 0.009 | 98 | 2236606 | 500.0 | 473.9 | |
| 18 Acetone | 43 | 2.840 | 2.848 | -0.008 | 87 | 2398063 | 2500.0 | 2437.4 | |
| 19 Iodomethane | 142 | 2.922 | 2.905 | 0.017 | 99 | 3854064 | 500.0 | 461.9 | |
| 20 Isopropyl alcohol | 45 | 2.938 | 2.938 | 0.000 | 96 | 810550 | 5000.0 | 4784.4 | |
| 21 Carbon disulfide | 76 | 2.955 | 2.946 | 0.009 | 99 | 8254275 | 500.0 | 446.1 | |
| 22 3-Chloro-1-propene | 41 | 3.061 | 3.061 | 0.000 | 98 | 4463433 | 500.0 | 449.3 | |
| 24 Methyl acetate | 43 | 3.070 | 3.078 | -0.008 | 99 | 2625434 | 1000.0 | 887.5 | |
| 23 Cyclopentene | 67 | 3.086 | 3.078 | 0.008 | 95 | 5569038 | 500.0 | 455.7 | |
| 25 Acetonitrile | 41 | 3.144 | 3.143 | 0.001 | 100 | 2104313 | 5000.0 | 5201.4 | a |
| 27 Methylene Chloride | 84 | 3.193 | 3.184 | 0.009 | 93 | 2558755 | 500.0 | 448.0 | |
| * 26 TBA-d9 (IS) | 65 | 3.209 | 3.201 | 0.008 | 0 | 111599 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.275 | 3.267 | 0.008 | 93 | 1492976 | 5000.0 | 4627.3 | M |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.341 | 0.008 | 98 | 6301119 | 500.0 | 444.8 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.374 | 3.373 | 0.001 | 96 | 2292263 | 500.0 | 435.3 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.448 | 3.447 | 0.001 | 94 | 7228534 | 5000.0 | 4144.5 | |
| 32 Hexane | 43 | 3.522 | 3.521 | 0.001 | 93 | 1993226 | 500.0 | 434.1 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.719 | 0.008 | 95 | 7471872 | 500.0 | 424.3 | |
| 34 1,1-Dichloroethane | 63 | 3.760 | 3.760 | 0.000 | 100 | 4099167 | 500.0 | 428.1 | |
| 35 Vinyl acetate | 86 | 3.768 | 3.768 | 0.000 | 99 | 930842 | 1000.0 | 1039.4 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.809 | 0.000 | 91 | 1993825 | 500.0 | 445.3 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.031 | 0.008 | 90 | 7011647 | 500.0 | 431.0 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.236 | 0.009 | 0 | 127408 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.269 | 4.261 | 0.008 | 96 | 872801 | 500.0 | 457.6 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 94 | 2564002 | 500.0 | 441.5 | |
| 42 Ethyl acetate | 70 | 4.286 | 4.285 | 0.001 | 96 | 427842 | 1000.0 | 961.2 | |
| 41 2-Butanone (MEK) | 72 | 4.294 | 4.294 | 0.000 | 96 | 1038642 | 2500.0 | 2284.8 | |
| 43 Methyl acrylate | 55 | 4.343 | 4.343 | 0.000 | 99 | 1709783 | 500.0 | 461.3 | |
| 44 Propionitrile | 54 | 4.425 | 4.425 | 0.000 | 98 | 2515814 | 5000.0 | 5060.1 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 93 | 1161859 | 500.0 | 445.3 | |
| 46 Tetrahydrofuran | 72 | 4.508 | 4.507 | 0.001 | 75 | 489986 | 1000.0 | 886.6 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 90 | 7865981 | 5000.0 | 4586.3 | |
| 48 Chloroform | 83 | 4.549 | 4.548 | 0.001 | 98 | 3824440 | 500.0 | 436.3 | |
| 49 Cyclohexane | 84 | 4.688 | 4.680 | 0.008 | 92 | 3728822 | 500.0 | 485.7 | |
| 50 1,1,1-Trichloroethane | 97 | 4.697 | 4.696 | 0.001 | 98 | 3523228 | 500.0 | 454.6 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.713 | 4.705 | 0.008 | 96 | 79001 | 50.0 | 46.0 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.811 | 0.009 | 98 | 2941542 | 500.0 | 472.6 | |
| 53 1,1-Dichloropropene | 75 | 4.844 | 4.836 | 0.008 | 96 | 3150346 | 500.0 | 454.2 | |
| 54 Isobutyl alcohol | 43 | 5.009 | 4.992 | 0.017 | 92 | 3042128 | 12500 | 13907 | |
| 55 Benzene | 78 | 5.042 | 5.041 | 0.001 | 98 | 8818598 | 500.0 | 403.6 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.050 | 0.008 | 0 | 114338 | 50.0 | 54.8 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 98 | 6230911 | 500.0 | 465.3 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.091 | 0.008 | 93 | 7419954 | 500.0 | 451.6 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.124 | 0.008 | 96 | 2926892 | 500.0 | 446.3 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 92 | 1746639 | 500.0 | 467.3 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 348034 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.625 | 5.658 | -0.033 | 87 | 804371 | 12500 | 12079 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 98 | 2329487 | 500.0 | 453.2 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.797 | 0.001 | 88 | 4262026 | 500.0 | 477.2 | |
| 65 Ethyl acrylate | 55 | 5.789 | 5.797 | -0.008 | 99 | 5881967 | 500.0 | 516.8 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 91 | 2449192 | 500.0 | 459.1 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.036 | 6.027 | 0.009 | 0 | 6752 | 1000.0 | 1000.0 | Ma |
| 68 Methyl methacrylate | 100 | 6.036 | 6.027 | 0.009 | 90 | 1068899 | 1000.0 | 1047.2 | |
| 70 n-Propyl acetate | 43 | 6.085 | 6.085 | 0.000 | 98 | 2657483 | 500.0 | 514.0 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 97 | 1366990 | 500.0 | 455.7 | |
| 69 1,4-Dioxane | 88 | 6.085 | 6.101 | -0.016 | 28 | 177620 | 10000 | 9894.9 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 99 | 3160813 | 500.0 | 476.4 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 97 | 1306411 | 500.0 | 501.0 | |
| 73 2-Nitropropane | 41 | 6.578 | 6.570 | 0.008 | 84 | 974287 | 1000.0 | 984.5 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 98 | 3418024 | 10000 | 9136.4 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.743 | 6.734 | 0.009 | 92 | 3812855 | 500.0 | 469.9 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.898 | 0.001 | 94 | 8981202 | 2500.0 | 2176.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 97 | 352122 | 50.0 | 48.0 | |
| 79 Toluene | 91 | 7.063 | 7.055 | 0.008 | 95 | 9038290 | 500.0 | 410.5 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 99 | 3287222 | 500.0 | 490.2 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 90 | 2817405 | 500.0 | 500.2 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 95 | 1671890 | 500.0 | 446.8 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.671 | 7.671 | 0.000 | 95 | 2295526 | 500.0 | 440.5 | |
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 94 | 3273395 | 500.0 | 466.8 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 95 | 5514769 | 2500.0 | 2388.6 | |
| 86 n-Butyl acetate | 43 | 8.000 | 8.008 | -0.008 | 99 | 3024202 | 500.0 | 451.1 | |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 98 | 2171924 | 500.0 | 476.3 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.221 | 0.001 | 99 | 1833696 | 500.0 | 471.6 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 88 | 252694 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 91 | 5945689 | 500.0 | 447.6 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.903 | 0.001 | 98 | 3507316 | 500.0 | 445.6 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 96 | 2286081 | 500.0 | 451.4 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 4276435 | 500.0 | 456.7 | |
| 94 n-Butyl acrylate | 73 | 9.487 | 9.495 | -0.008 | 99 | 1735420 | 500.0 | 462.4 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 95 | 4248287 | 500.0 | 438.5 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 94 | 6583318 | 500.0 | 453.1 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 92 | 3809539 | 500.0 | 483.7 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 96 | 1311782 | 500.0 | 472.5 | |
| 99 Isopropylbenzene | 105 | 9.849 | 9.848 | 0.001 | 98 | 9127834 | 500.0 | 376.6 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.038 | 10.029 | 0.009 | 93 | 98638 | 50.0 | 47.3 | |
| 101 Bromobenzene | 156 | 10.153 | 10.152 | 0.001 | 98 | 2517666 | 500.0 | 466.1 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.194 | 10.185 | 0.009 | 98 | 2373469 | 500.0 | 449.5 | |
| 103 N-Propylbenzene | 91 | 10.210 | 10.210 | 0.000 | 96 | 9805805 | 500.0 | 373.3 | |
| 104 1,2,3-Trichloropropane | 110 | 10.227 | 10.226 | 0.001 | 97 | 653587 | 500.0 | 455.0 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 92 | 645910 | 500.0 | 488.1 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 96 | 7795191 | 500.0 | 421.7 | |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 82 | 8813522 | 500.0 | 402.1 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.358 | 10.358 | 0.000 | 95 | 7806794 | 500.0 | 405.8 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 7024727 | 500.0 | 425.7 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 91 | 3390548 | 500.0 | 485.9 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 94 | 6753516 | 500.0 | 445.5 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 95 | 7713715 | 500.0 | 396.3 | |
| 113 sec-Butylbenzene | 105 | 10.752 | 10.752 | 0.000 | 93 | 8861164 | 500.0 | 382.6 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 91 | 7825492 | 500.0 | 395.7 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 90 | 4514374 | 500.0 | 424.4 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.909 | 10.908 | 0.001 | 94 | 131910 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 90 | 4590046 | 500.0 | 424.7 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 94 | 7890902 | 500.0 | 384.4 | |
| 118 Benzyl chloride | 91 | 11.024 | 11.023 | 0.001 | 99 | 4585450 | 500.0 | 456.6 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 95 | 7419109 | 500.0 | 371.1 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 91 | 4969801 | 500.0 | 423.4 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 95 | 4646971 | 500.0 | 431.0 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 91 | 4412407 | 500.0 | 418.5 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.574 | 11.574 | 0.000 | 96 | 7189354 | 500.0 | 375.7 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.656 | 11.656 | 0.000 | 97 | 444463 | 500.0 | 488.3 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.738 | 11.738 | 0.000 | 97 | 3439518 | 500.0 | 424.2 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.141 | 12.141 | 0.000 | 95 | 3187144 | 500.0 | 455.9 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.198 | 0.009 | 93 | 1462094 | 500.0 | 453.1 | |
| 128 Naphthalene | 128 | 12.314 | 12.313 | 0.001 | 97 | 6716059 | 500.0 | 422.9 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.478 | 12.478 | 0.000 | 95 | 2843344 | 500.0 | 440.1 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 1000.0 | 876.8 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 1000.0 | 895.2 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00257 | Amount Added: | 50.00 | Units: uL | |
| MIX I Hi_00094 | Amount Added: | 50.00 | Units: uL | |
| MIX 2 Hi_00071 | Amount Added: | 50.00 | Units: uL | |
| Ethanol mix_00016 | Amount Added: | 50.00 | Units: uL | |
| ACROLEIN W_00077 | Amount Added: | 40.00 | Units: uL | |
| VOA6IS/SURR_00010 | Amount Added: | 5.00 | Units: uL | Run Reagent |

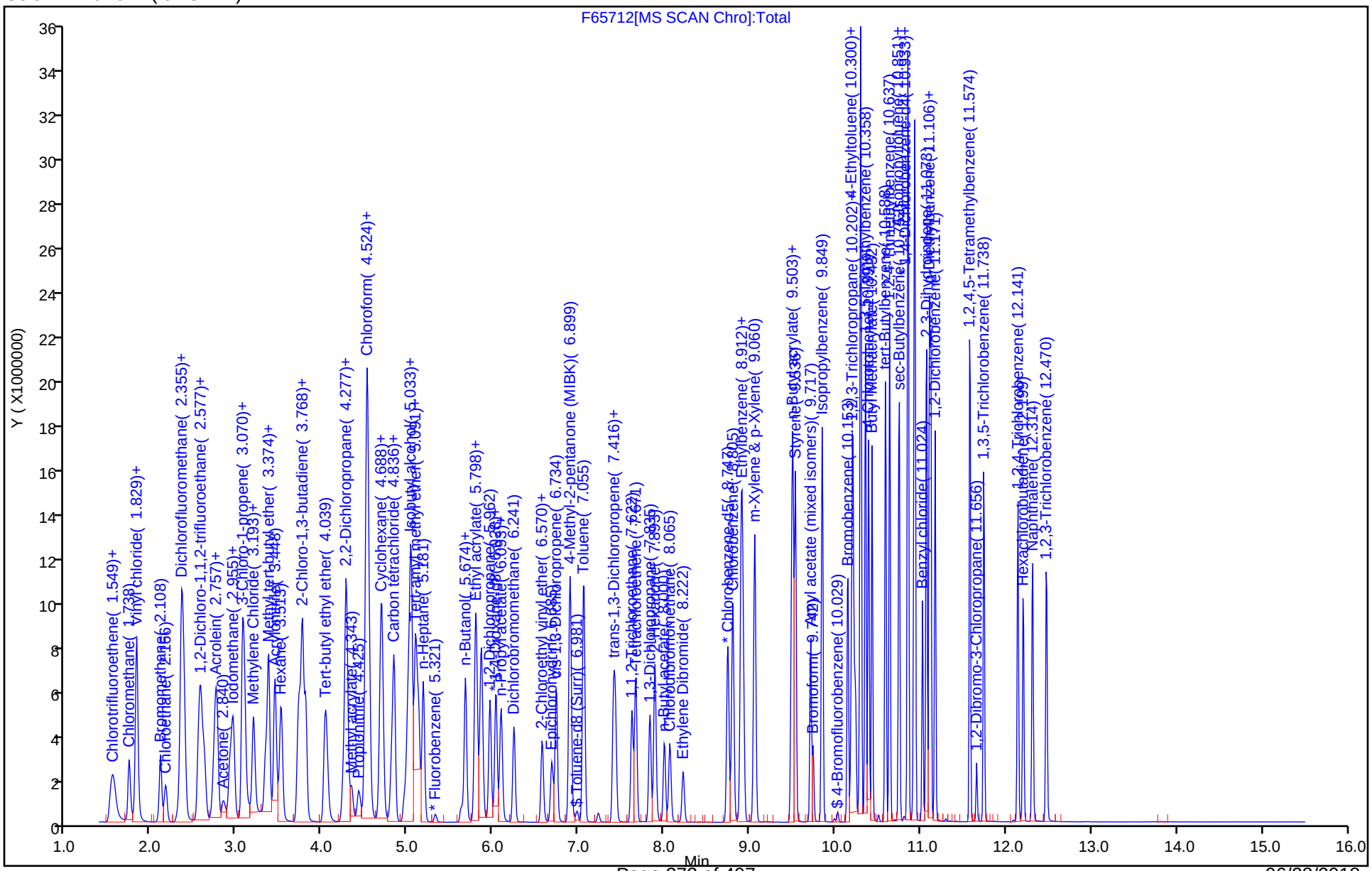
Report Date: 07-Jun-2018 13:08:40 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Jun-2018 05:09:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | STD500 | | | Worklist Smp#: | 10 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 9 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

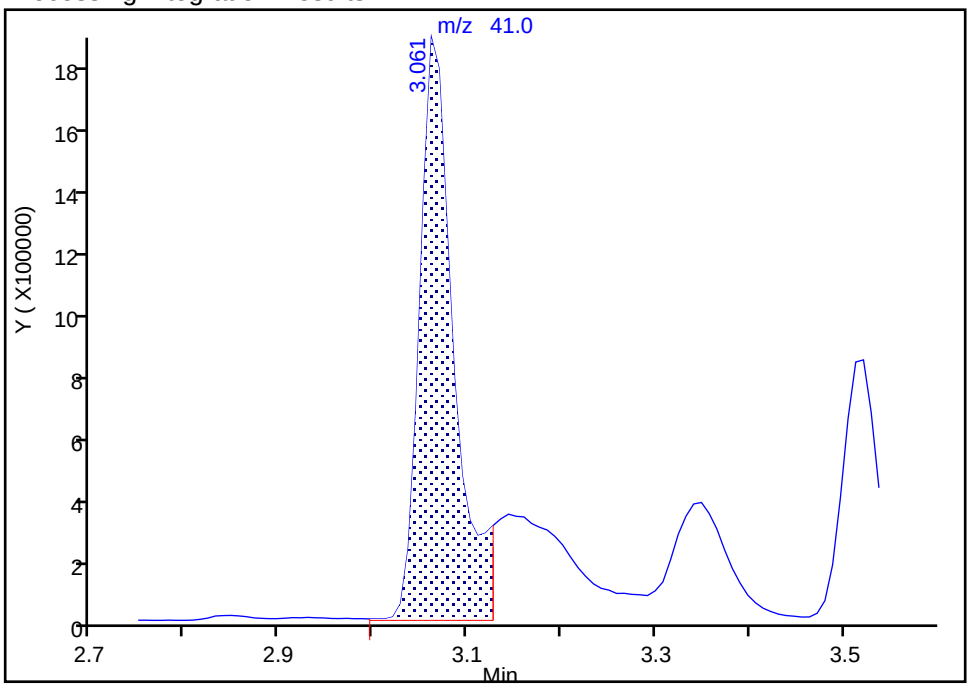
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D
Injection Date: 05-Jun-2018 05:09:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 25 Acetonitrile, CAS: 75-05-8

Signal: 1

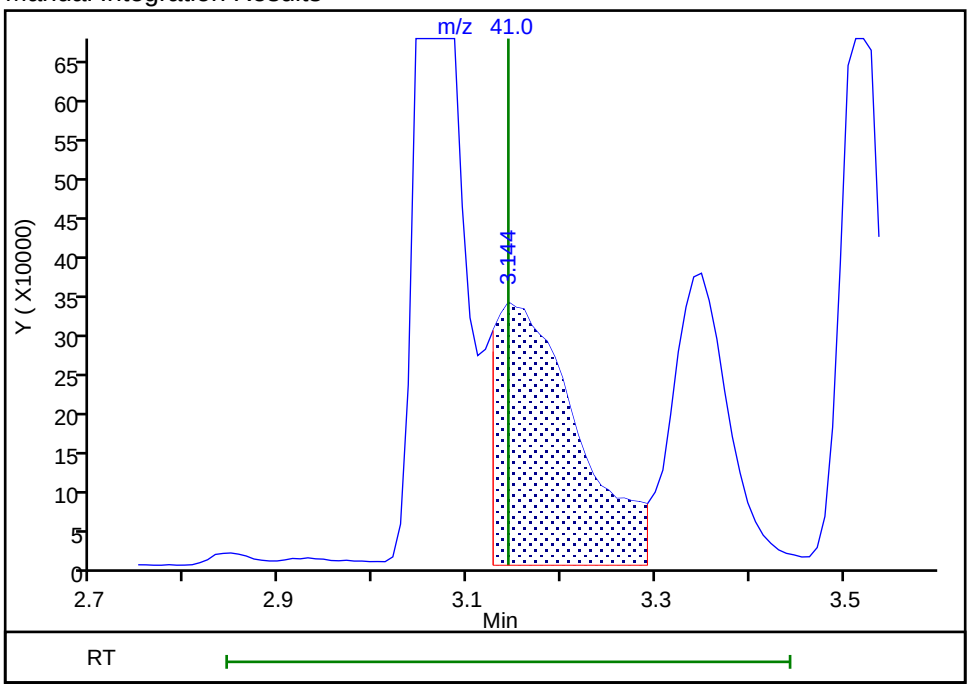
Processing Integration Results

RT: 3.06
Area: 4752961
Amount: 5251.7644
Amount Units: ug/l




Manual Integration Results

RT: 3.14
Area: 2104313
Amount: 5201.3677
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 11:19:42
Audit Action: Assigned Compound ID Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

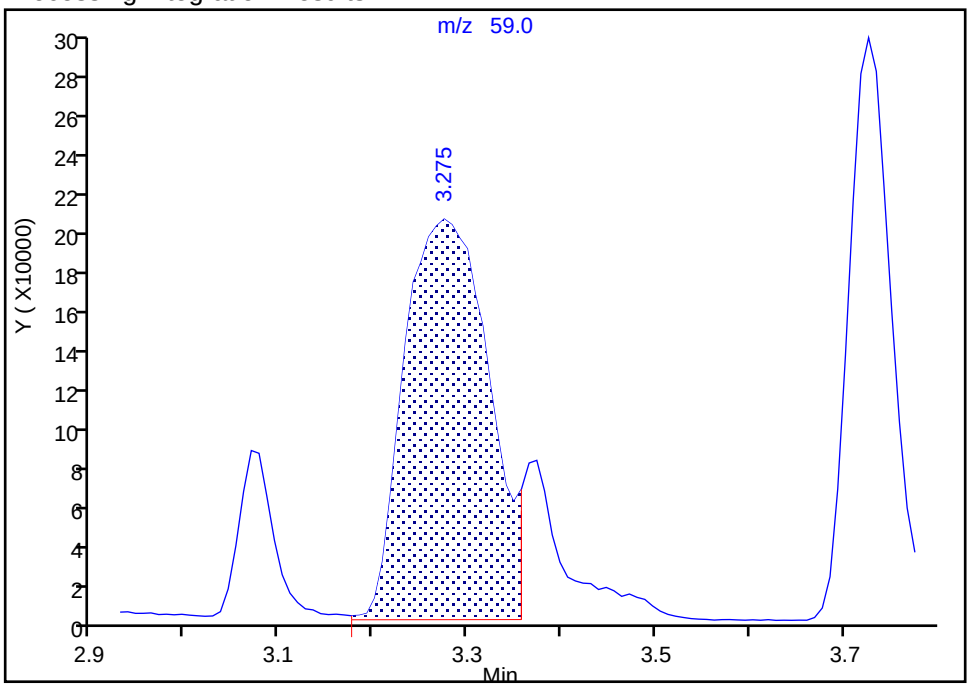
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D
Injection Date: 05-Jun-2018 05:09:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Signal: 1

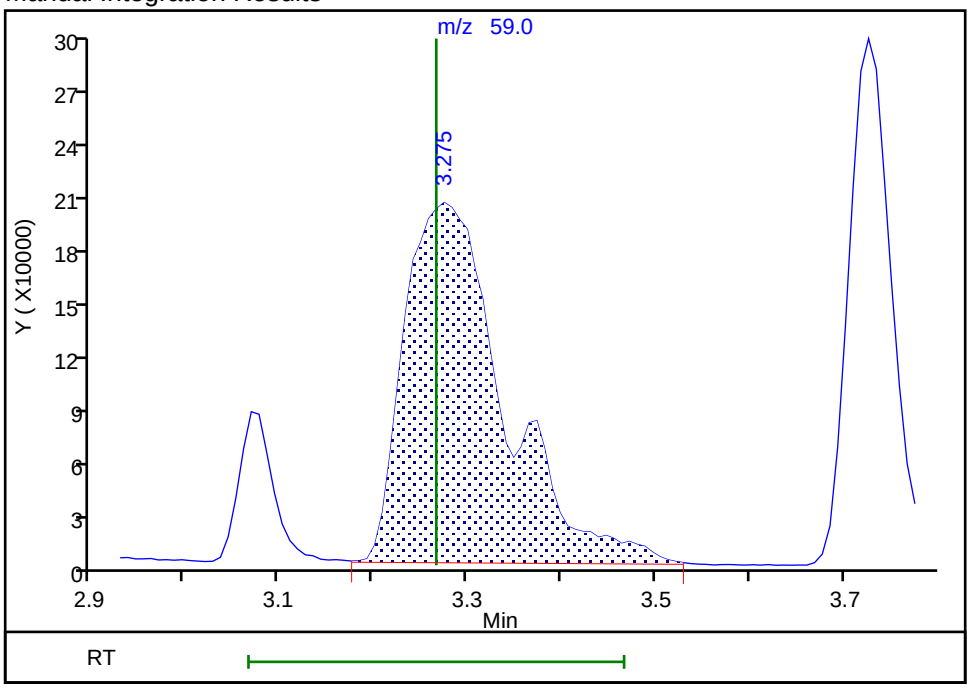
Processing Integration Results

RT: 3.28
Area: 1272444
Amount: 4018.9507
Amount Units: ug/l




Manual Integration Results

RT: 3.28
Area: 1492976
Amount: 4627.3056
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 11:20:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

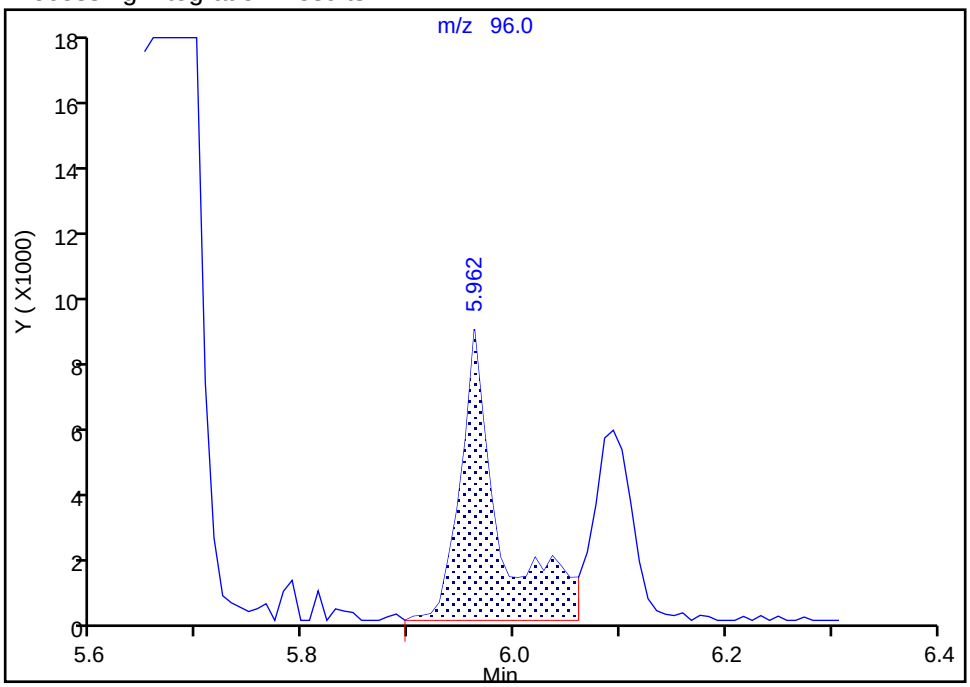
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D
Injection Date: 05-Jun-2018 05:09:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## * 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

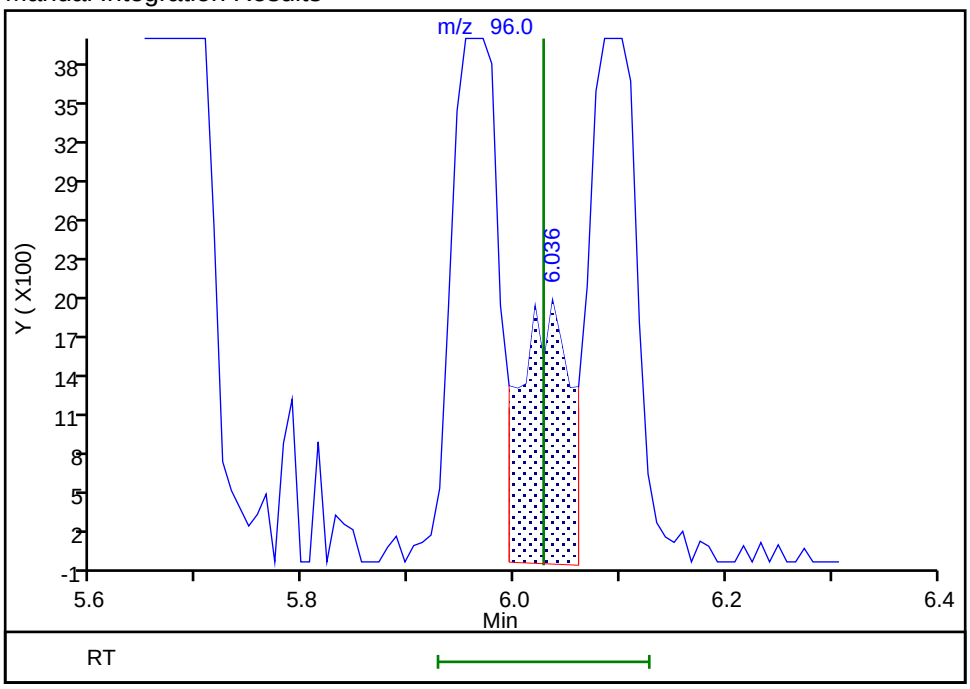
Processing Integration Results

RT: 5.96
Area: 22741
Amount: 1000.0000
Amount Units: ug/l




Manual Integration Results

RT: 6.04
Area: 6752
Amount: 1000.0000
Amount Units: ug/l




Reviewer: pakanatir, 07-Jun-2018 11:18:42
Audit Action: Manually Integrated Audit Reason: Wrong peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530664/3 Calibration Date: 06/25/2018 06:56

Instrument ID: CVOAMS1 Calib Start Date: 05/01/2018 23:18

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 05/02/2018 01:47

Lab File ID: A57698.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 | 0.1869 | 0.1887 | | 20.2 | 20.0 | 0.9 | 20.0 |
| Dichlorodifluoromethane | Ave | 0.4985 | 0.4959 | 0.1000 | 19.9 | 20.0 | -0.5 | 20.0 |
| Chloromethane | Ave | 0.5921 | 0.5233 | 0.1000 | 17.7 | 20.0 | -11.6 | 20.0 |
| Vinyl chloride | Ave | 0.5220 | 0.5284 | 0.1000 | 20.2 | 20.0 | 1.2 | 20.0 |
| Butadiene | Ave | 0.5206 | 0.4817 | | 18.5 | 20.0 | -7.5 | 20.0 |
| Bromomethane | Ave | 0.3326 | 0.3229 | 0.1000 | 19.4 | 20.0 | -2.9 | 50.0 |
| Chloroethane | Ave | 0.3384 | 0.2969 | 0.1000 | 17.5 | 20.0 | -12.3 | 50.0 |
| Dichlorofluoromethane | Ave | 0.7361 | 0.7396 | | 20.1 | 20.0 | 0.5 | 20.0 |
| Pentane | Ave | 2.248 | 2.534 | | 45.1 | 40.0 | 12.7 | 20.0 |
| Trichlorofluoromethane | Ave | 0.5700 | 0.6028 | 0.1000 | 21.2 | 20.0 | 5.8 | 20.0 |
| Ethanol | Ave | 0.0699 | 0.0660 | | 756 | 800 | -5.5 | 50.0 |
| Ethyl ether | Ave | 0.2839 | 0.2847 | | 20.1 | 20.0 | 0.3 | 20.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3132 | 0.3293 | | 21.0 | 20.0 | 5.1 | 20.0 |
| 1,2-Dichloro-1,1,2-trifluoro ethane | Ave | 0.2710 | 0.3034 | | 22.4 | 20.0 | 12.0 | 20.0 |
| Acrolein | Ave | 2.143 | 1.351 | | 25.2 | 40.0 | -36.9 | 50.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.3138 | 0.3490 | 0.1000 | 22.2 | 20.0 | 11.2 | 20.0 |
| 1,1-Dichloroethene | Ave | 0.3028 | 0.3307 | 0.1000 | 21.8 | 20.0 | 9.2 | 20.0 |
| Acetone | Ave | 0.2292 | 0.2440 | 0.0500 | 106 | 100 | 6.5 | 50.0 |
| Iodomethane | Ave | 0.5403 | 0.6321 | | 23.4 | 20.0 | 17.0 | 20.0 |
| Isopropyl alcohol | Ave | 0.8962 | 0.9184 | | 205 | 200 | 2.5 | 50.0 |
| Carbon disulfide | Ave | 1.098 | 1.032 | 0.1000 | 18.8 | 20.0 | -6.0 | 50.0 |
| Allyl chloride | Ave | 0.1997 | 0.2248 | | 22.5 | 20.0 | 12.6 | 20.0 |
| Cyclopentene | Ave | 0.7928 | 0.9155 | | 23.1 | 20.0 | 15.5 | 20.0 |
| Methyl acetate | Ave | 0.2970 | 0.2808 | 0.1000 | 37.8 | 40.0 | -5.5 | 20.0 |
| Acetonitrile | Ave | 1.192 | 0.8307 | | 139 | 200 | -30.3* | 20.0 |
| Methylene Chloride | Ave | 0.3873 | 0.4283 | 0.1000 | 22.1 | 20.0 | 10.6 | 20.0 |
| 2-Methyl-2-propanol | Ave | 1.365 | 1.286 | | 188 | 200 | -5.8 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.9501 | 0.9355 | 0.1000 | 19.7 | 20.0 | -1.5 | 20.0 |
| trans-1,2-Dichloroethene | Ave | 0.3400 | 0.3830 | 0.1000 | 22.5 | 20.0 | 12.7 | 20.0 |
| Acrylonitrile | Ave | 0.1445 | 0.1596 | | 221 | 200 | 10.5 | 20.0 |
| Hexane | Ave | 0.3347 | 0.3654 | | 21.8 | 20.0 | 9.2 | 20.0 |
| Isopropyl ether | Ave | 1.179 | 1.182 | | 20.1 | 20.0 | 0.3 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.6534 | 0.6951 | 0.2000 | 21.3 | 20.0 | 6.4 | 20.0 |
| Vinyl acetate | Ave | 2.330 | 2.536 | | 43.5 | 40.0 | 8.8 | 20.0 |
| 2-Chloro-1,3-butadiene | Ave | 0.2857 | 0.3269 | | 22.9 | 20.0 | 14.4 | 20.0 |
| Tert-butyl ethyl ether | Ave | 0.9832 | 0.9711 | | 19.8 | 20.0 | -1.2 | 20.0 |
| 2,2-Dichloropropane | Ave | 0.1108 | 0.1208 | | 21.8 | 20.0 | 9.1 | 20.0 |
| cis-1,2-Dichloroethene | Ave | 0.3689 | 0.4250 | 0.1000 | 23.0 | 20.0 | 15.2 | 20.0 |
| Ethyl acetate | Ave | 0.2307 | 0.2268 | | 39.3 | 40.0 | -1.7 | 20.0 |
| 2-Butanone | Ave | 0.2561 | 0.2804 | 0.0500 | 109 | 100 | 9.5 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530664/3 Calibration Date: 06/25/2018 06:56

Instrument ID: CVOAMS1 Calib Start Date: 05/01/2018 23:18

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 05/02/2018 01:47

Lab File ID: A57698.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methyl acrylate | Ave | 0.2839 | 0.2683 | | 18.9 | 20.0 | -5.5 | 20.0 |
| Propionitrile | Ave | 1.985 | 1.936 | | 195 | 200 | -2.5 | 20.0 |
| Chlorobromomethane | Ave | 0.1755 | 0.2065 | | 23.5 | 20.0 | 17.7 | 20.0 |
| Tetrahydrofuran | Ave | 0.3099 | 0.3099 | | 40.0 | 40.0 | 0.0 | 20.0 |
| Methacrylonitrile | Ave | 0.1352 | 0.1379 | | 204 | 200 | 2.0 | 20.0 |
| Chloroform | Ave | 0.6099 | 0.6435 | 0.2000 | 21.1 | 20.0 | 5.5 | 20.0 |
| Cyclohexane | Ave | 0.6102 | 0.6506 | 0.1000 | 21.3 | 20.0 | 6.6 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 0.5183 | 0.5218 | 0.1000 | 20.1 | 20.0 | 0.7 | 20.0 |
| Carbon tetrachloride | Ave | 0.4333 | 0.4313 | 0.1000 | 19.9 | 20.0 | -0.5 | 20.0 |
| 1,1-Dichloropropene | Ave | 0.4660 | 0.4767 | | 20.5 | 20.0 | 2.3 | 20.0 |
| Isobutyl alcohol | Ave | 0.9600 | 0.8437 | | 439 | 500 | -12.1 | 50.0 |
| 2,2,4-Trimethylpentane | Ave | 1.242 | 1.355 | | 21.8 | 20.0 | 9.2 | 20.0 |
| Benzene | Ave | 1.830 | 2.070 | 0.5000 | 22.6 | 20.0 | 13.2 | 20.0 |
| Isopropyl acetate | Ave | 1.067 | 1.048 | | 19.6 | 20.0 | -1.8 | 20.0 |
| Tert-amyl methyl ether | Ave | 0.2899 | 0.2871 | | 19.8 | 20.0 | -0.9 | 20.0 |
| 1,2-Dichloroethane | Ave | 0.4920 | 0.4796 | 0.1000 | 19.5 | 20.0 | -2.5 | 20.0 |
| n-Heptane | Ave | 0.2856 | 0.3066 | | 21.5 | 20.0 | 7.3 | 20.0 |
| n-Butanol | Ave | 0.3013 | 0.2258 | | 375 | 500 | -25.1 | 50.0 |
| Trichloroethene | Ave | 0.3264 | 0.3261 | 0.2000 | 20.0 | 20.0 | -0.1 | 20.0 |
| Ethyl acrylate | Ave | 0.2315 | 0.2326 | | 20.1 | 20.0 | 0.5 | 20.0 |
| Methylcyclohexane | Ave | 0.5611 | 0.6104 | 0.1000 | 21.8 | 20.0 | 8.8 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.3480 | 0.3342 | 0.1000 | 19.2 | 20.0 | -3.9 | 20.0 |
| Methyl methacrylate | Ave | 0.0732 | 0.0642 | | 35.1 | 40.0 | -12.3 | 20.0 |
| 1,4-Dioxane | Ave | 1.057 | 0.9352 | | 354 | 400 | -11.5 | 50.0 |
| n-Propyl acetate | Ave | 0.4649 | 0.3919 | | 16.9 | 20.0 | -15.7 | 20.0 |
| Dibromomethane | Ave | 0.2133 | 0.2090 | | 19.6 | 20.0 | -2.0 | 20.0 |
| Bromodichloromethane | Ave | 0.4241 | 0.3916 | 0.2000 | 18.5 | 20.0 | -7.7 | 20.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1861 | 0.1372 | | 14.7 | 20.0 | -26.3* | 20.0 |
| 2-Nitropropane | Ave | 0.0813 | 0.0685 | | 33.7 | 40.0 | -15.7 | 20.0 |
| Epichlorohydrin | Ave | 0.2186 | 0.2130 | | 390 | 400 | -2.6 | 20.0 |
| cis-1,3-Dichloropropene | Ave | 0.6465 | 0.5791 | 0.2000 | 17.9 | 20.0 | -10.4 | 50.0 |
| 4-Methyl-2-pentanone | Ave | 2.585 | 2.576 | 0.0500 | 99.7 | 100 | -0.3 | 50.0 |
| Toluene | Ave | 1.780 | 1.831 | 0.4000 | 20.6 | 20.0 | 2.8 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.5585 | 0.4864 | 0.1000 | 17.4 | 20.0 | -12.9 | 50.0 |
| Ethyl methacrylate | Ave | 0.3670 | 0.3132 | | 17.1 | 20.0 | -14.7 | 20.0 |
| 1,1,2-Trichloroethane | Ave | 0.3186 | 0.3207 | 0.1000 | 20.1 | 20.0 | 0.7 | 20.0 |
| Tetrachloroethene | Ave | 0.4352 | 0.4810 | 0.2000 | 22.1 | 20.0 | 10.5 | 20.0 |
| 1,3-Dichloropropane | Ave | 0.6319 | 0.5895 | | 18.7 | 20.0 | -6.7 | 20.0 |
| 2-Hexanone | Ave | 1.595 | 1.501 | 0.0500 | 94.1 | 100 | -5.9 | 50.0 |
| n-Butyl acetate | Ave | 0.1065 | 0.1039 | | 19.5 | 20.0 | -2.4 | 20.0 |
| Dibromochloromethane | Ave | 0.3754 | 0.3443 | 0.1000 | 18.3 | 20.0 | -8.3 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530664/3  Calibration Date: 06/25/2018 06:56

Instrument ID: CVOAMS1  Calib Start Date: 05/01/2018 23:18

GC Column: Rtx-624  ID: 0.25(mm)  Calib End Date: 05/02/2018 01:47

Lab File ID: A57698.D  Conc. Units: ug/L  Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Ethylene Dibromide | Ave | 0.3512 | 0.3404 | 0.1000 | 19.4 | 20.0 | -3.1 | 20.0 |
| Chlorobenzene | Ave | 1.144 | 1.190 | 0.5000 | 20.8 | 20.0 | 4.1 | 20.0 |
| Ethylbenzene | Ave | 0.6188 | 0.6466 | 0.1000 | 20.9 | 20.0 | 4.5 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.4304 | 0.4507 | | 20.9 | 20.0 | 4.7 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.7672 | 0.7868 | 0.1000 | 20.5 | 20.0 | 2.5 | 20.0 |
| n-Butyl acrylate | Ave | 0.3089 | 0.2857 | | 18.5 | 20.0 | -7.5 | 20.0 |
| o-Xylene | Ave | 0.7665 | 0.8272 | 0.3000 | 21.6 | 20.0 | 7.9 | 20.0 |
| Styrene | Ave | 1.301 | 1.350 | 0.3000 | 20.8 | 20.0 | 3.8 | 20.0 |
| Bromoform | Ave | 0.2429 | 0.2337 | 0.1000 | 19.2 | 20.0 | -3.8 | 20.0 |
| Isopropylbenzene | Ave | 2.138 | 2.151 | 0.1000 | 20.1 | 20.0 | 0.6 | 20.0 |
| Bromobenzene | Ave | 0.8192 | 0.8374 | | 20.4 | 20.0 | 2.2 | 20.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.8734 | 0.9048 | 0.3000 | 20.7 | 20.0 | 3.6 | 20.0 |
| N-Propylbenzene | Ave | 4.184 | 3.980 | | 19.0 | 20.0 | -4.9 | 20.0 |
| 1,2,3-Trichloropropane | Ave | 0.2515 | 0.2513 | | 20.0 | 20.0 | -0.0 | 20.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2501 | 0.2459 | | 19.7 | 20.0 | -1.7 | 20.0 |
| 4-Ethyltoluene | Ave | 3.599 | 3.337 | | 18.5 | 20.0 | -7.3 | 20.0 |
| 2-Chlorotoluene | Ave | 2.960 | 2.783 | | 18.8 | 20.0 | -6.0 | 20.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.959 | 2.782 | | 18.8 | 20.0 | -6.0 | 20.0 |
| 4-Chlorotoluene | Ave | 2.559 | 2.415 | | 18.9 | 20.0 | -5.6 | 20.0 |
| Butyl Methacrylate | Ave | 0.9518 | 0.9027 | | 19.0 | 20.0 | -5.2 | 20.0 |
| tert-Butylbenzene | Ave | 2.381 | 2.168 | | 18.2 | 20.0 | -8.9 | 20.0 |
| 1,2,4-Trimethylbenzene | Ave | 3.039 | 2.890 | | 19.0 | 20.0 | -4.9 | 20.0 |
| sec-Butylbenzene | Ave | 3.677 | 3.571 | | 19.4 | 20.0 | -2.9 | 20.0 |
| 4-Isopropyltoluene | Ave | 3.187 | 3.099 | | 19.4 | 20.0 | -2.8 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.727 | 1.831 | 0.6000 | 21.2 | 20.0 | 6.0 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.769 | 1.890 | 0.5000 | 21.4 | 20.0 | 6.8 | 20.0 |
| 1,2,3-Trimethylbenzene | Ave | 3.250 | 3.167 | | 19.5 | 20.0 | -2.6 | 20.0 |
| Benzyl chloride | Ave | 1.377 | 1.425 | | 20.7 | 20.0 | 3.5 | 50.0 |
| Indan | Ave | 3.409 | 3.490 | | 20.5 | 20.0 | 2.4 | 20.0 |
| p-Diethylbenzene | Ave | 1.936 | 2.139 | | 22.1 | 20.0 | 10.5 | 20.0 |
| n-Butylbenzene | Ave | 1.762 | 1.811 | | 20.6 | 20.0 | 2.8 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.631 | 1.820 | 0.4000 | 22.3 | 20.0 | 11.5 | 20.0 |
| 1,2,4,5-Tetramethylbenzene | Ave | 2.533 | 2.729 | | 21.5 | 20.0 | 7.7 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1278 | 0.1543 | 0.0500 | 24.1 | 20.0 | 20.7 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 0.9932 | 1.307 | | 26.3 | 20.0 | 31.6* | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.6608 | 1.051 | 0.2000 | 31.8 | 20.0 | 59.0* | 20.0 |
| Hexachlorobutadiene | Ave | 0.4138 | 0.5645 | | 27.3 | 20.0 | 36.4* | 20.0 |
| Naphthalene | Qua2 | | 2.078 | | 36.6 | 20.0 | 82.9* | 50.0 |
| 1,2,3-Trichlorobenzene | Qua2 | | 0.8586 | | 40.1 | 20.0 | 100.7* | 20.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2725 | 0.2770 | | 50.8 | 50.0 | 1.6 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3445 | 0.3095 | | 44.9 | 50.0 | -10.2 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530664/3 Calibration Date: 06/25/2018 06:56

Instrument ID: CVOAMS1 Calib Start Date: 05/01/2018 23:18

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 05/02/2018 01:47

Lab File ID: A57698.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Toluene-d8 (Surr) | Ave | 1.260 | 1.256 | | 49.8 | 50.0 | -0.4 | 20.0 |
| Bromofluorobenzene | Ave | 0.4136 | 0.4306 | | 52.1 | 50.0 | 4.1 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Jun-2018 06:56:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0074307-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 26-Jun-2018 16:17:17 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

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

First Level Reviewer: xuyvo Date: 26-Jun-2018 16:17:17

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.524 | 1.524 | 0.000 | 89 | 25872 | 20.0 | 20.2 | |
| 3 Dichlorodifluoromethane | 85 | 1.555 | 1.555 | 0.000 | 99 | 68004 | 20.0 | 19.9 | |
| 4 Chloromethane | 50 | 1.732 | 1.732 | 0.000 | 100 | 71752 | 20.0 | 17.7 | |
| 5 Vinyl chloride | 62 | 1.829 | 1.829 | 0.000 | 98 | 72452 | 20.0 | 20.2 | |
| 6 Butadiene | 39 | 1.841 | 1.841 | 0.000 | 97 | 66054 | 20.0 | 18.5 | |
| 7 Bromomethane | 94 | 2.146 | 2.146 | 0.000 | 98 | 44275 | 20.0 | 19.4 | |
| 8 Chloroethane | 64 | 2.219 | 2.219 | 0.000 | 99 | 40707 | 20.0 | 17.5 | |
| 10 Dichlorofluoromethane | 67 | 2.421 | 2.421 | 0.000 | 86 | 101411 | 20.0 | 20.1 | |
| 11 Pentane | 72 | 2.421 | 2.421 | 0.000 | 96 | 18394 | 40.0 | 45.1 | |
| 9 Trichlorofluoromethane | 101 | 2.427 | 2.427 | 0.000 | 59 | 82655 | 20.0 | 21.2 | |
| 12 Ethanol | 46 | 2.628 | 2.628 | 0.000 | 70 | 9586 | 800.0 | 755.8 | M |
| 13 Ethyl ether | 59 | 2.634 | 2.634 | 0.000 | 92 | 39038 | 20.0 | 20.1 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.658 | 2.658 | 0.000 | 98 | 45155 | 20.0 | 21.0 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.719 | 2.719 | 0.000 | 87 | 41602 | 20.0 | 22.4 | |
| 16 Acrolein | 56 | 2.823 | 2.823 | 0.000 | 94 | 9807 | 40.0 | 25.2 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.853 | 2.853 | 0.000 | 95 | 47849 | 20.0 | 22.2 | |
| 18 1,1-Dichloroethene | 96 | 2.860 | 2.860 | 0.000 | 96 | 45352 | 20.0 | 21.8 | |
| 19 Acetone | 58 | 2.951 | 2.951 | 0.000 | 85 | 21300 | 100.0 | 106.5 | |
| 20 Iodomethane | 142 | 3.024 | 3.024 | 0.000 | 99 | 86677 | 20.0 | 23.4 | |
| 22 Isopropyl alcohol | 45 | 3.049 | 3.049 | 0.000 | 29 | 33333 | 200.0 | 205.0 | a |
| 21 Carbon disulfide | 76 | 3.055 | 3.055 | 0.000 | 100 | 141456 | 20.0 | 18.8 | |
| 23 3-Chloro-1-propene | 76 | 3.183 | 3.183 | 0.000 | 89 | 30829 | 20.0 | 22.5 | |
| 25 Cyclopentene | 67 | 3.195 | 3.195 | 0.000 | 95 | 125540 | 20.0 | 23.1 | |
| 24 Methyl acetate | 43 | 3.201 | 3.201 | 0.000 | 99 | 76994 | 40.0 | 37.8 | |
| 26 Acetonitrile | 40 | 3.268 | 3.268 | 0.000 | 95 | 30148 | 200.0 | 139.4 | |
| 27 Methylene Chloride | 84 | 3.311 | 3.311 | 0.000 | 96 | 58732 | 20.0 | 22.1 | |
| * 28 TBA-d9 (IS) | 65 | 3.317 | 3.317 | 0.000 | 0 | 181466 | 1000.0 | 1000.0 | |
| 29 2-Methyl-2-propanol | 59 | 3.390 | 3.390 | 0.000 | 91 | 46670 | 200.0 | 188.4 | |
| 30 Methyl tert-butyl ether | 73 | 3.469 | 3.469 | 0.000 | 98 | 128279 | 20.0 | 19.7 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.487 | 3.487 | 0.000 | 96 | 52519 | 20.0 | 22.5 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.567 | 3.567 | 0.000 | 95 | 218886 | 200.0 | 220.9 | |
| 33 Hexane | 43 | 3.634 | 3.634 | 0.000 | 94 | 50108 | 20.0 | 21.8 | |
| 34 Isopropyl ether | 45 | 3.835 | 3.835 | 0.000 | 96 | 162146 | 20.0 | 20.1 | |
| 35 1,1-Dichloroethane | 63 | 3.865 | 3.865 | 0.000 | 99 | 95315 | 20.0 | 21.3 | |
| 36 Vinyl acetate | 86 | 3.878 | 3.878 | 0.000 | 100 | 18410 | 40.0 | 43.5 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.902 | 3.902 | 0.000 | 92 | 44821 | 20.0 | 22.9 | |
| 38 Tert-butyl ethyl ether | 59 | 4.115 | 4.115 | 0.000 | 90 | 133155 | 20.0 | 19.8 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.292 | 0.000 | 0 | 218232 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.317 | 4.317 | 0.000 | 89 | 16561 | 20.0 | 21.8 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.323 | 4.323 | 0.000 | 93 | 58271 | 20.0 | 23.0 | |
| 42 Ethyl acetate | 70 | 4.329 | 4.329 | 0.000 | 93 | 7920 | 40.0 | 39.3 | |
| 43 2-Butanone (MEK) | 72 | 4.341 | 4.341 | 0.000 | 96 | 24479 | 100.0 | 109.5 | |
| 44 Methyl acrylate | 55 | 4.378 | 4.378 | 0.000 | 98 | 36784 | 20.0 | 18.9 | a |
| 45 Propionitrile | 54 | 4.451 | 4.451 | 0.000 | 98 | 70269 | 200.0 | 195.0 | |
| 46 Chlorobromomethane | 128 | 4.506 | 4.506 | 0.000 | 92 | 28310 | 20.0 | 23.5 | |
| 47 Tetrahydrofuran | 72 | 4.518 | 4.518 | 0.000 | 51 | 10820 | 40.0 | 40.0 | |
| 48 Methacrylonitrile | 67 | 4.536 | 4.536 | 0.000 | 95 | 189039 | 200.0 | 204.0 | |
| 49 Chloroform | 83 | 4.554 | 4.554 | 0.000 | 98 | 88236 | 20.0 | 21.1 | |
| 50 Cyclohexane | 56 | 4.658 | 4.658 | 0.000 | 94 | 89209 | 20.0 | 21.3 | |
| 51 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.000 | 96 | 71551 | 20.0 | 20.1 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.682 | 4.682 | 0.000 | 97 | 94942 | 50.0 | 50.8 | |
| 54 Carbon tetrachloride | 117 | 4.768 | 4.768 | 0.000 | 97 | 59136 | 20.0 | 19.9 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 95 | 65361 | 20.0 | 20.5 | |
| 56 Isobutyl alcohol | 43 | 4.908 | 4.908 | 0.000 | 36 | 76554 | 500.0 | 439.5 | a |
| 57 Isooctane | 57 | 4.914 | 4.914 | 0.000 | 97 | 185866 | 20.0 | 21.8 | |
| 58 Benzene | 78 | 4.945 | 4.945 | 0.000 | 97 | 189720 | 20.0 | 22.6 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 106083 | 50.0 | 44.9 | |
| 60 Isopropyl acetate | 43 | 4.987 | 4.987 | 0.000 | 89 | 143686 | 20.0 | 19.6 | |
| 61 Tert-amyl methyl ether | 87 | 4.987 | 4.987 | 0.000 | 90 | 39371 | 20.0 | 19.8 | |
| 62 1,2-Dichloroethane | 62 | 5.018 | 5.018 | 0.000 | 96 | 65759 | 20.0 | 19.5 | |
| 63 n-Heptane | 71 | 5.060 | 5.060 | 0.000 | 93 | 42042 | 20.0 | 21.5 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 342809 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.383 | 5.383 | 0.000 | 93 | 20490 | 500.0 | 374.7 | |
| 66 Trichloroethene | 95 | 5.426 | 5.426 | 0.000 | 96 | 44719 | 20.0 | 20.0 | |
| 67 Ethyl acrylate | 56 | 5.518 | 5.518 | 0.000 | 96 | 31896 | 20.0 | 20.1 | |
| 68 Methylcyclohexane | 83 | 5.524 | 5.524 | 0.000 | 95 | 83706 | 20.0 | 21.8 | |
| 69 1,2-Dichloropropane | 63 | 5.646 | 5.646 | 0.000 | 89 | 45830 | 20.0 | 19.2 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 17834 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.694 | 5.694 | 0.000 | 91 | 17604 | 40.0 | 35.1 | |
| 72 n-Propyl acetate | 43 | 5.731 | 5.731 | 0.000 | 98 | 53742 | 20.0 | 16.9 | |
| 73 1,4-Dioxane | 88 | 5.731 | 5.731 | 0.000 | 28 | 6671 | 400.0 | 353.9 | |
| 74 Dibromomethane | 93 | 5.749 | 5.749 | 0.000 | 96 | 28658 | 20.0 | 19.6 | |
| 75 Dichlorobromomethane | 83 | 5.865 | 5.865 | 0.000 | 99 | 53698 | 20.0 | 18.5 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.127 | 6.127 | 0.000 | 82 | 18812 | 20.0 | 14.7 | |
| 77 2-Nitropropane | 41 | 6.139 | 6.139 | 0.000 | 85 | 18796 | 40.0 | 33.7 | |
| 78 Epichlorohydrin | 57 | 6.225 | 6.225 | 0.000 | 99 | 74364 | 400.0 | 389.7 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.274 | 6.274 | 0.000 | 92 | 53061 | 20.0 | 17.9 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.414 | 6.414 | 0.000 | 98 | 224886 | 100.0 | 99.7 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 99 | 287642 | 50.0 | 49.8 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 93 | 167732 | 20.0 | 20.6 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.804 | 6.804 | 0.000 | 99 | 44567 | 20.0 | 17.4 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 91 | 42952 | 20.0 | 17.1 | |

| 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 | 6.962 | 6.962 | 0.000 | 94 | 29386 | 20.0 | 20.1 | |
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 97 | 44075 | 20.0 | 22.1 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 54019 | 20.0 | 18.7 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 97 | 131020 | 100.0 | 94.1 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 9524 | 20.0 | 19.5 | |
| 90 Chlorodibromomethane | 129 | 7.249 | 7.249 | 0.000 | 98 | 31552 | 20.0 | 18.3 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 99 | 31189 | 20.0 | 19.4 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.657 | 0.000 | 87 | 229077 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 95 | 109082 | 20.0 | 20.8 | |
| 94 Ethylbenzene | 106 | 7.724 | 7.724 | 0.000 | 99 | 59248 | 20.0 | 20.9 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 94 | 41296 | 20.0 | 20.9 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 97 | 72093 | 20.0 | 20.5 | |
| 97 n-Butyl acrylate | 73 | 8.029 | 8.029 | 0.000 | 95 | 26179 | 20.0 | 18.5 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 94 | 75798 | 20.0 | 21.6 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 95 | 123664 | 20.0 | 20.8 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.170 | 8.170 | 0.000 | 90 | 83730 | 20.0 | 18.6 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 97 | 21413 | 20.0 | 19.2 | |
| 102 Isopropylbenzene | 105 | 8.285 | 8.285 | 0.000 | 96 | 197122 | 20.0 | 20.1 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.407 | 8.407 | 0.000 | 91 | 98635 | 50.0 | 52.1 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 93 | 52034 | 20.0 | 20.4 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 98 | 56221 | 20.0 | 20.7 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 98 | 247337 | 20.0 | 19.0 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 97 | 15616 | 20.0 | 20.0 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 80 | 15277 | 20.0 | 19.7 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 98 | 207344 | 20.0 | 18.5 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 97 | 172941 | 20.0 | 18.8 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 93 | 172857 | 20.0 | 18.8 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 98 | 150081 | 20.0 | 18.9 | |
| 112 Butyl Methacrylate | 87 | 8.663 | 8.663 | 0.000 | 96 | 56092 | 20.0 | 19.0 | |
| 114 tert-Butylbenzene | 119 | 8.804 | 8.804 | 0.000 | 95 | 134747 | 20.0 | 18.2 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.834 | 8.834 | 0.000 | 97 | 179587 | 20.0 | 19.0 | |
| 116 sec-Butylbenzene | 105 | 8.919 | 8.919 | 0.000 | 99 | 221917 | 20.0 | 19.4 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 98 | 192564 | 20.0 | 19.4 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 97 | 113795 | 20.0 | 21.2 | a |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.053 | 9.053 | 0.000 | 95 | 155347 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.066 | 9.066 | 0.000 | 94 | 117433 | 20.0 | 21.4 | a |
| 136 1,2,3-Trimethylbenzene | 105 | 9.072 | 9.072 | 0.000 | 98 | 196781 | 20.0 | 19.5 | |
| 121 Benzyl chloride | 91 | 9.145 | 9.145 | 0.000 | 98 | 88548 | 20.0 | 20.7 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.194 | 0.000 | 94 | 216888 | 20.0 | 20.5 | |
| 123 p-Diethylbenzene | 119 | 9.206 | 9.206 | 0.000 | 93 | 132910 | 20.0 | 22.1 | |
| 124 n-Butylbenzene | 92 | 9.224 | 9.224 | 0.000 | 97 | 112559 | 20.0 | 20.6 | |
| 125 1,2-Dichlorobenzene | 146 | 9.285 | 9.285 | 0.000 | 96 | 113064 | 20.0 | 22.3 | a |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.681 | 9.681 | 0.000 | 98 | 169599 | 20.0 | 21.5 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.773 | 9.773 | 0.000 | 95 | 9586 | 20.0 | 24.1 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.864 | 9.864 | 0.000 | 97 | 81218 | 20.0 | 26.3 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.322 | 10.322 | 0.000 | 94 | 65282 | 20.0 | 31.8 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.395 | 0.000 | 95 | 35079 | 20.0 | 27.3 | |
| 131 Naphthalene | 128 | 10.535 | 10.535 | 0.000 | 99 | 129126 | 20.0 | 36.6 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.736 | 10.736 | 0.000 | 94 | 53353 | 20.0 | 40.1 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 45.6 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 40.0 | 42.1 | |
| S 135 Total BTEX | 1 | | | | 0 | | 100.0 | 106.2 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00178 | Amount Added: | 1.00 | Units: uL | Run Reagent |

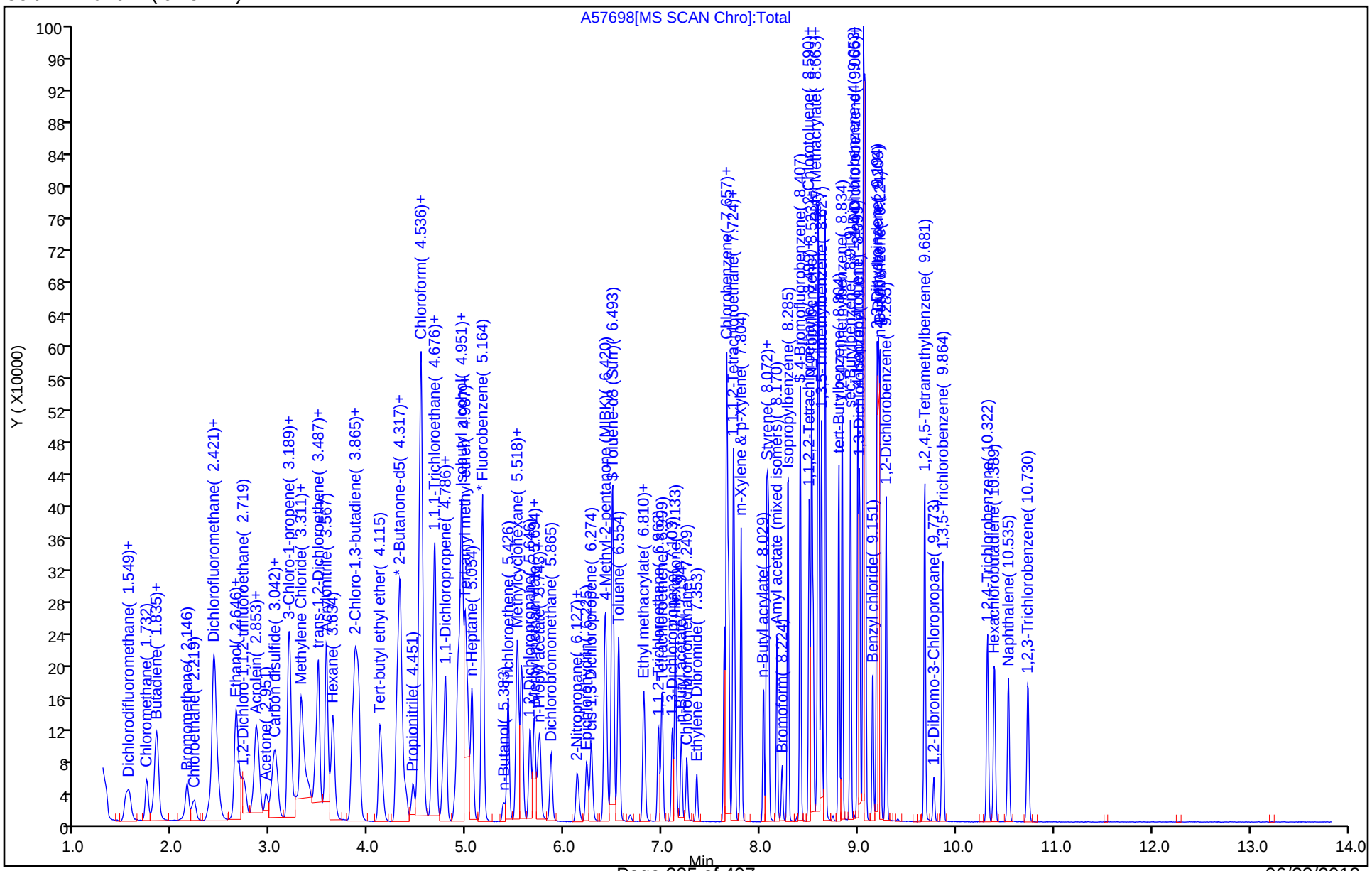
Report Date: 26-Jun-2018 16:17:25 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 25-Jun-2018 06:56:30 | 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 - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

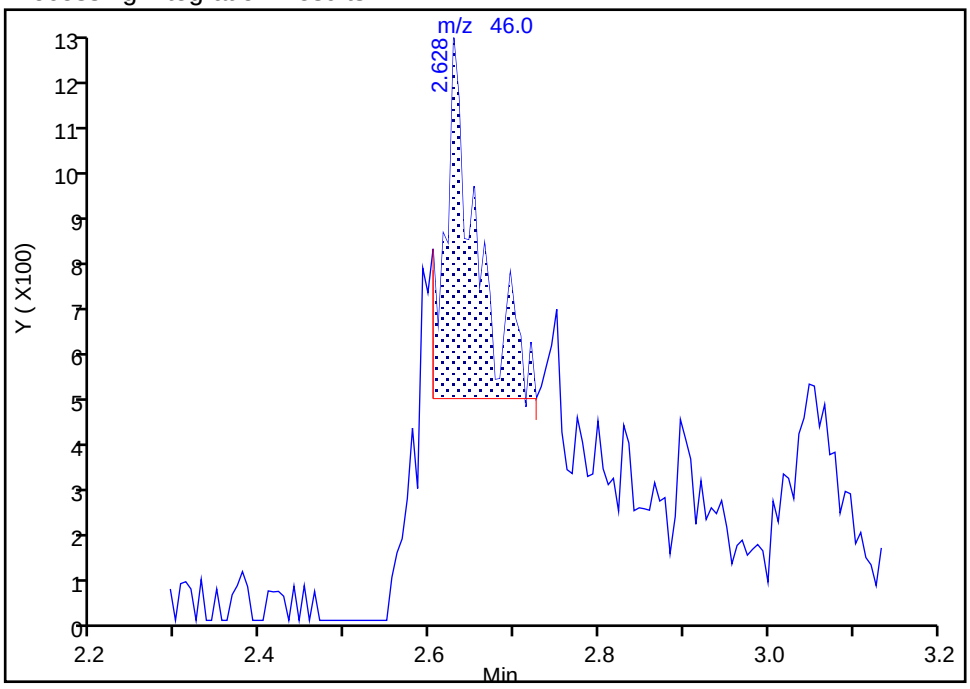
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Injection Date: 25-Jun-2018 06:56:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 12 Ethanol, CAS: 64-17-5

Signal: 1

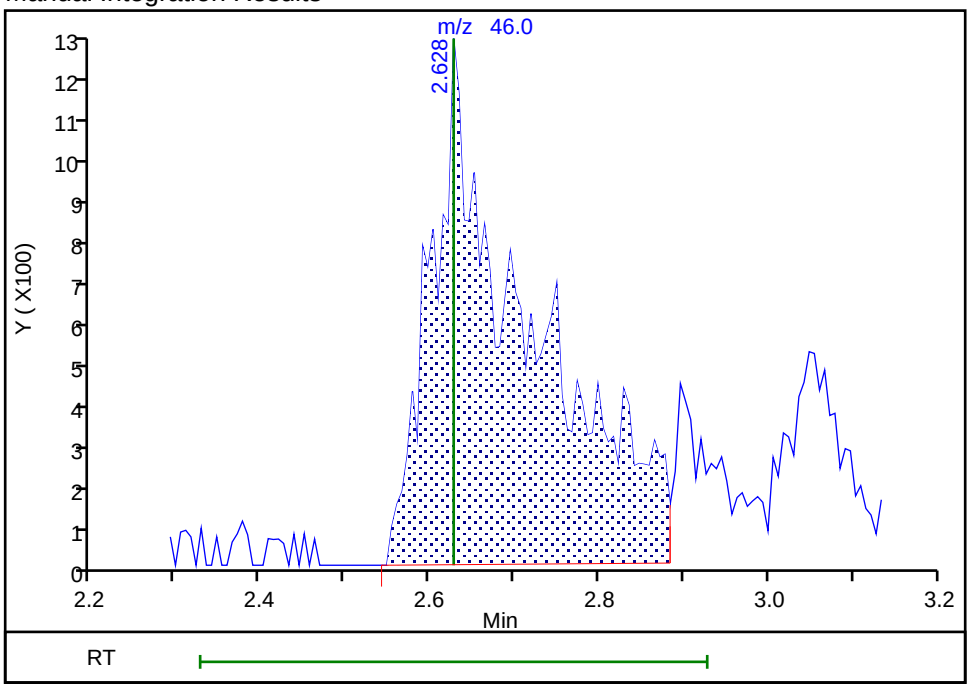
Processing Integration Results

RT: 2.63
Area: 1909
Amount: 150.5076
Amount Units: ug/l




Manual Integration Results

RT: 2.63
Area: 9586
Amount: 755.7704
Amount Units: ug/l




Reviewer: xuyvo, 26-Jun-2018 16:16:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

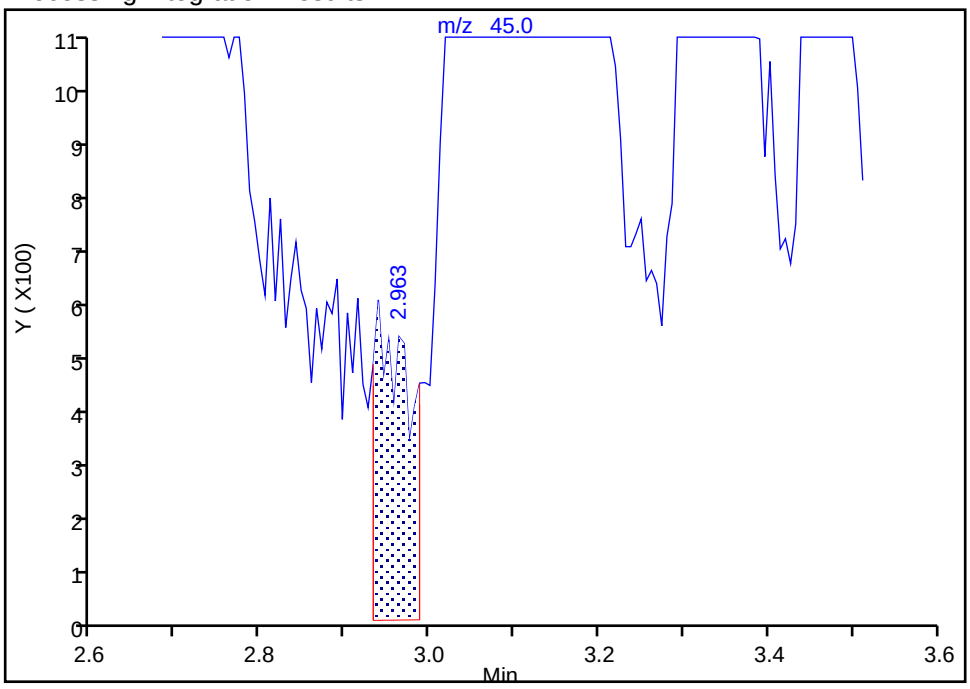
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Injection Date: 25-Jun-2018 06:56:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 22 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

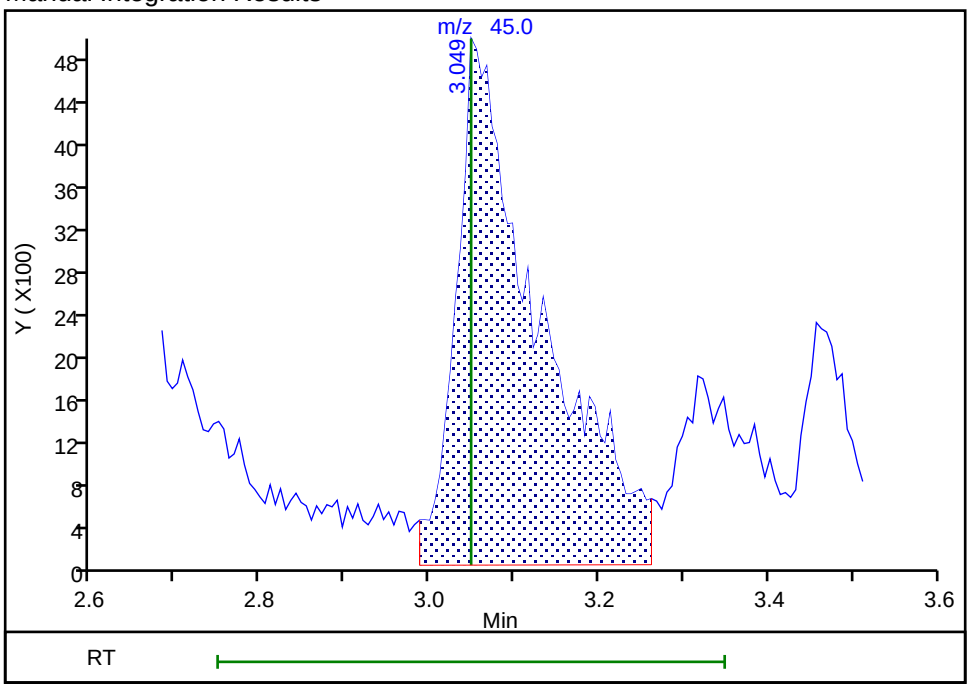
Processing Integration Results

RT: 2.96
Area: 1613
Amount: 9.918091
Amount Units: ug/l




Manual Integration Results

RT: 3.05
Area: 33333
Amount: 204.9595
Amount Units: ug/l




Reviewer: moroneyc, 25-Jun-2018 07:15:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

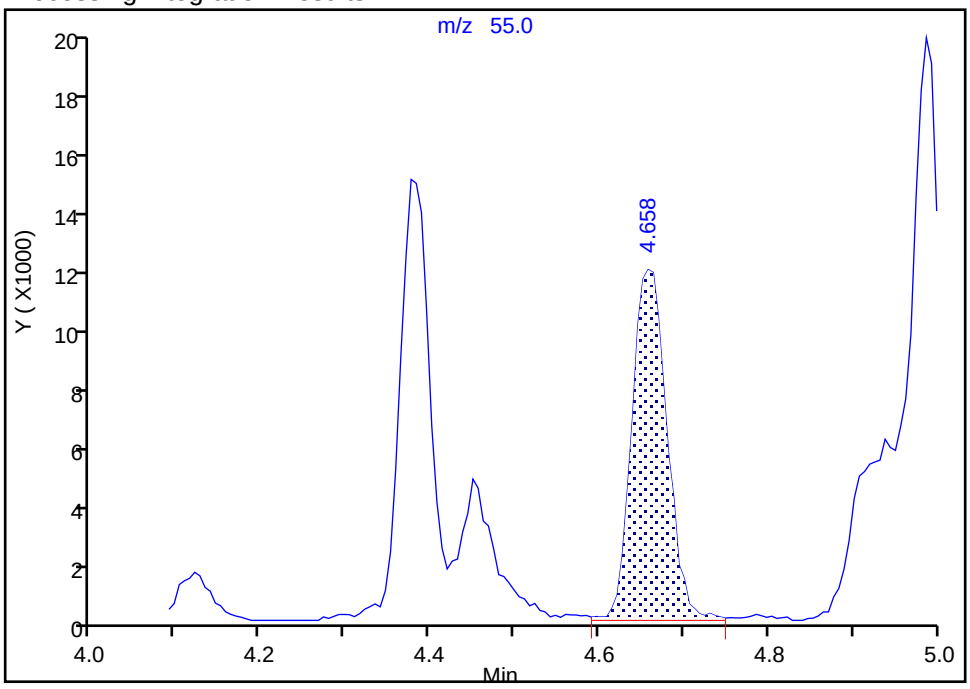
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Injection Date: 25-Jun-2018 06:56:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 44 Methyl acrylate, CAS: 96-33-3

Signal: 1

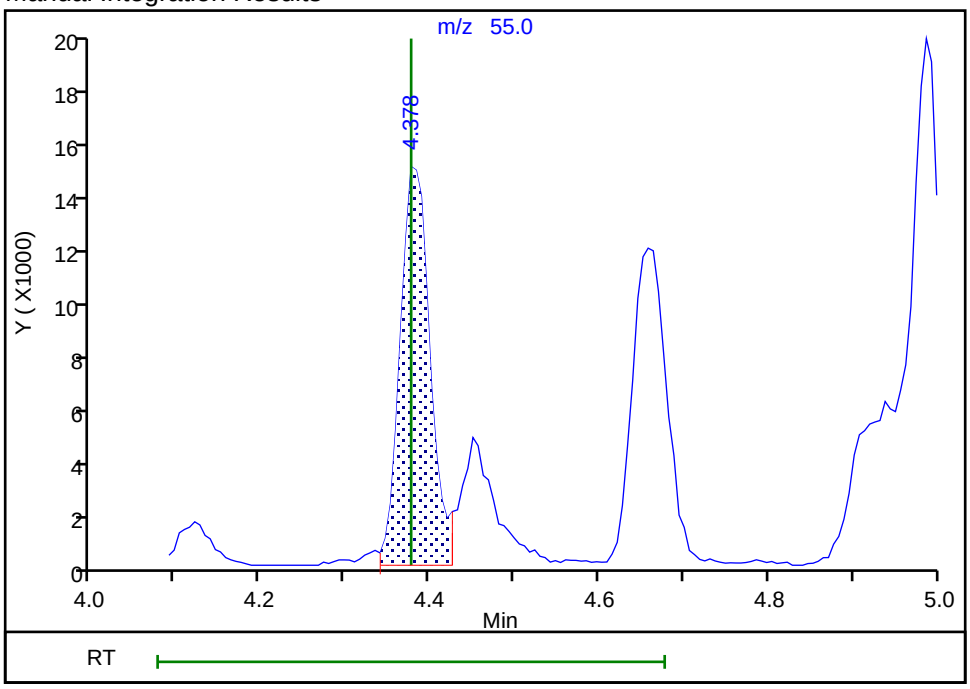
Processing Integration Results

RT: 4.66
Area: 34129
Amount: 17.536420
Amount Units: ug/l




Manual Integration Results

RT: 4.38
Area: 36784
Amount: 18.900633
Amount Units: ug/l




Reviewer: moroneyc, 25-Jun-2018 07:16:03
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

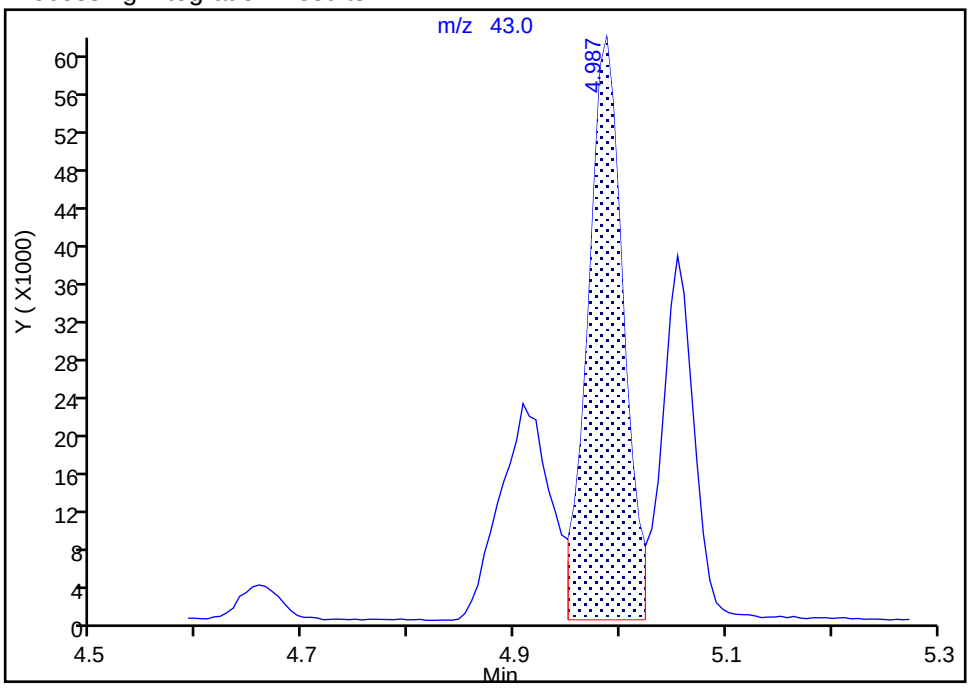
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Injection Date: 25-Jun-2018 06:56:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

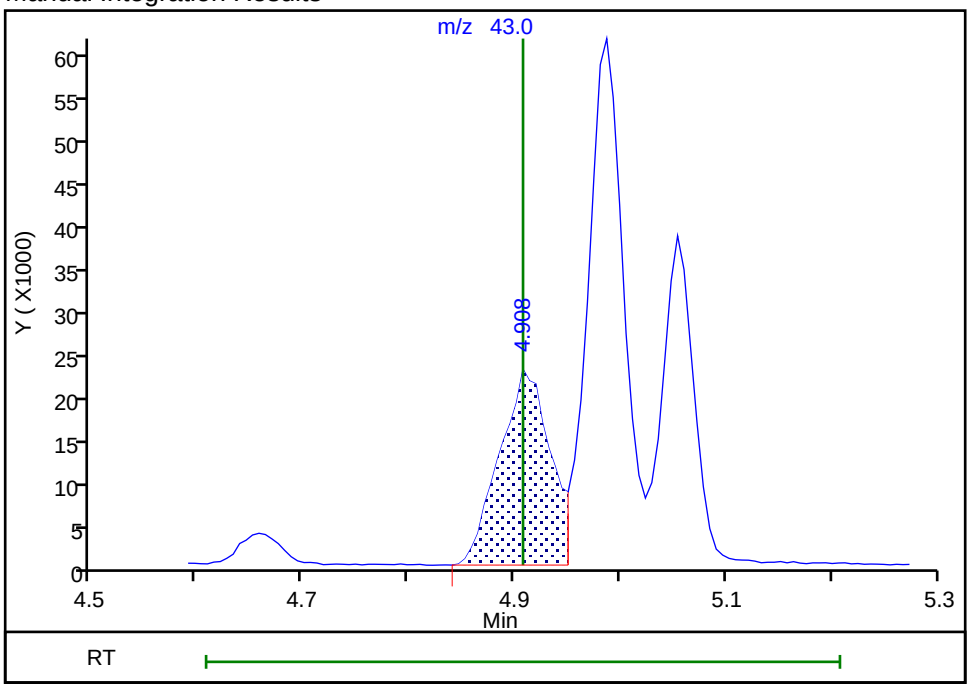
Processing Integration Results

RT: 4.99
Area: 143662
Amount: 824.6823
Amount Units: ug/l




Manual Integration Results

RT: 4.91
Area: 76554
Amount: 439.4532
Amount Units: ug/l




Reviewer: moroneyc, 25-Jun-2018 07:16:10
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

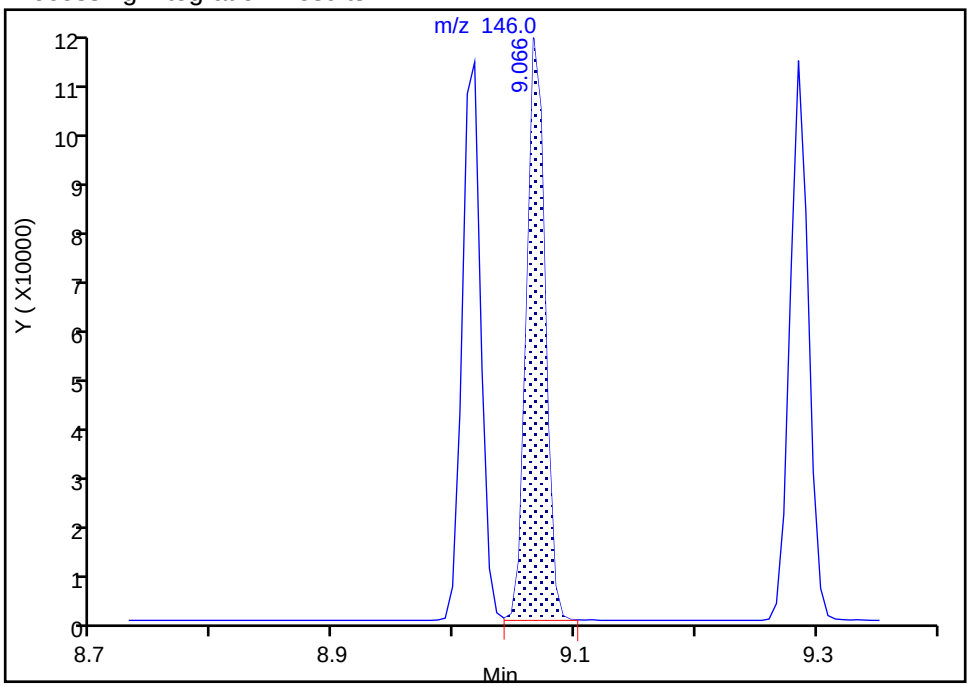
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Injection Date: 25-Jun-2018 06:56:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 118 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

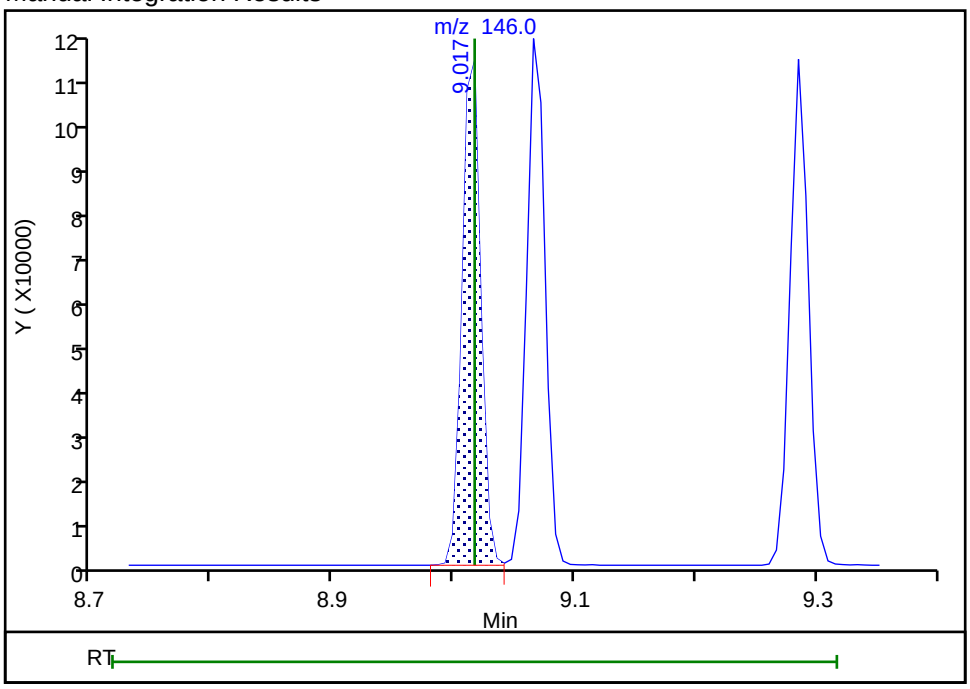
Processing Integration Results

RT: 9.07
Area: 117720
Amount: 21.937571
Amount Units: ug/l




Manual Integration Results

RT: 9.02
Area: 113795
Amount: 21.206133
Amount Units: ug/l




Reviewer: moroneyc, 25-Jun-2018 07:17:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

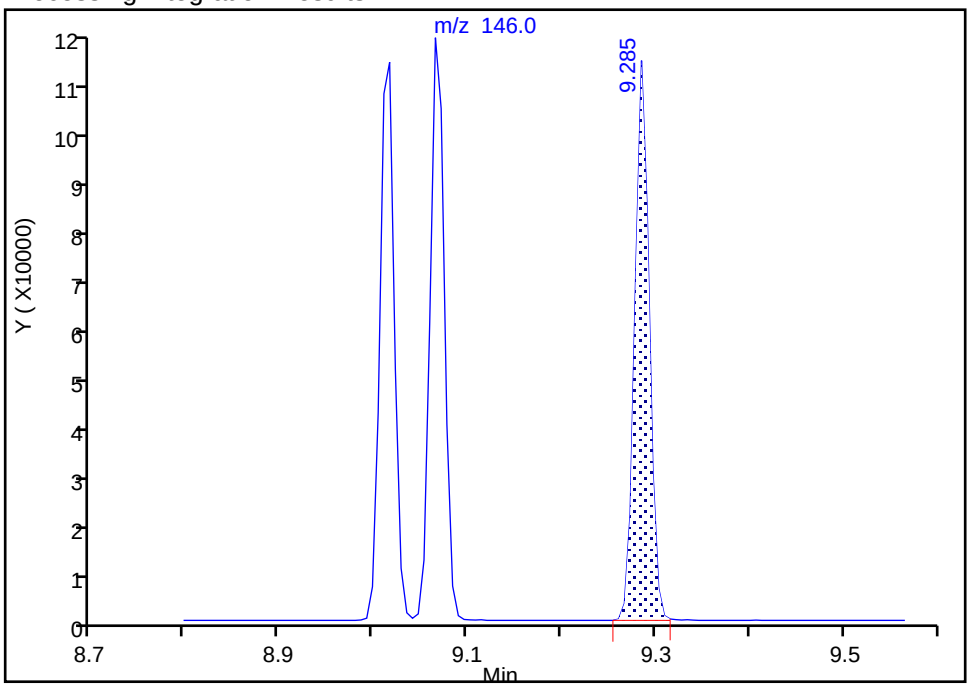
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Injection Date: 25-Jun-2018 06:56:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 120 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

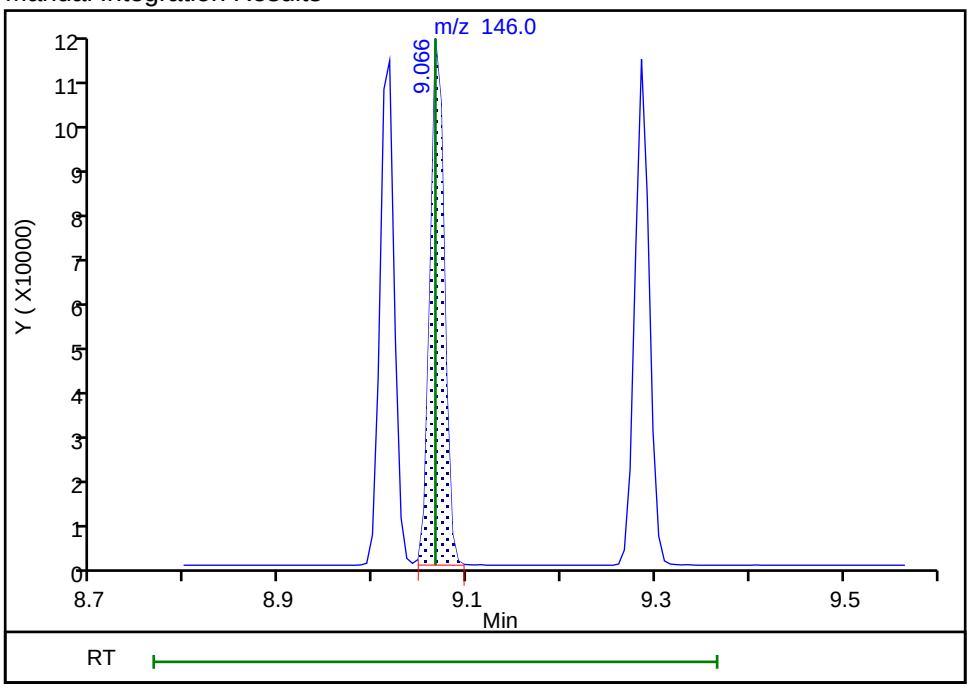
Processing Integration Results

RT: 9.29
Area: 113064
Amount: 20.573745
Amount Units: ug/l




Manual Integration Results

RT: 9.07
Area: 117433
Amount: 21.368753
Amount Units: ug/l




Reviewer: moroneyc, 25-Jun-2018 07:16:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

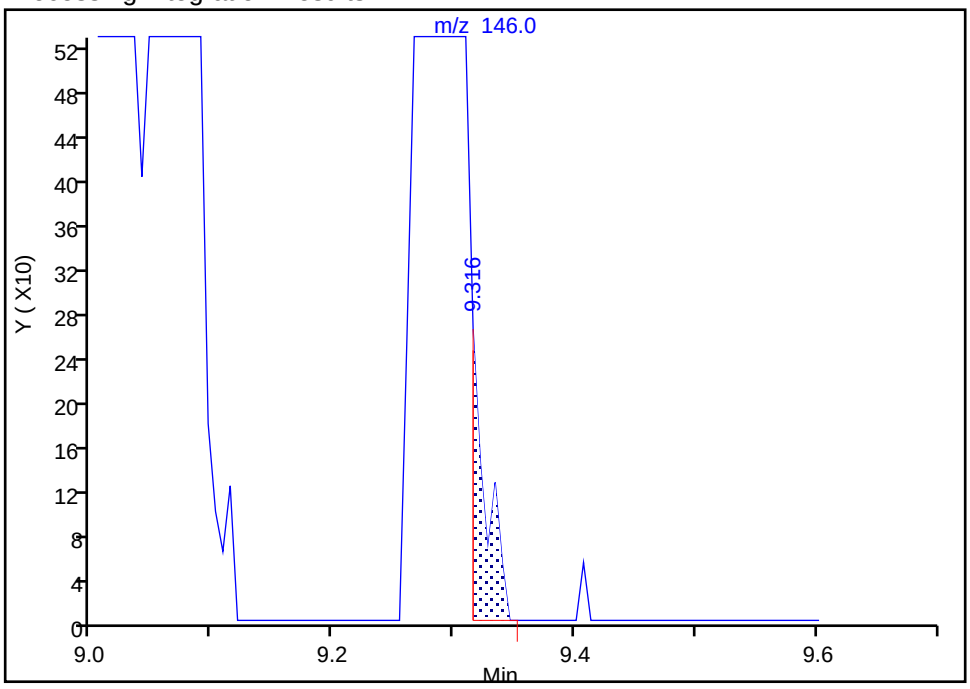
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57698.D
Injection Date: 25-Jun-2018 06:56:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 125 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

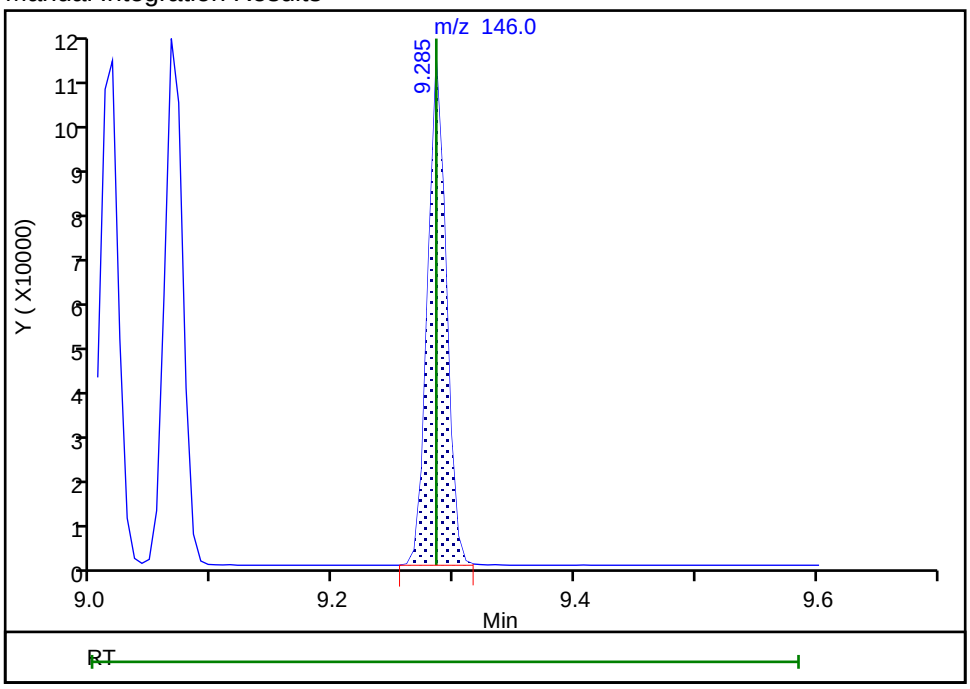
Processing Integration Results

RT: 9.32
Area: 234
Amount: 0.046168
Amount Units: ug/l




Manual Integration Results

RT: 9.29
Area: 113064
Amount: 22.307482
Amount Units: ug/l




Reviewer: moroneyc, 25-Jun-2018 07:16:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530435/3 Calibration Date: 06/23/2018 20:51

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66666.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 | 0.4548 | 0.3305 | | 14.5 | 20.0 | -27.3* | 20.0 |
| Dichlorodifluoromethane | Ave | 1.149 | 0.7294 | 0.1000 | 12.7 | 20.0 | -36.5* | 20.0 |
| Chloromethane | Ave | 1.251 | 1.055 | 0.1000 | 16.9 | 20.0 | -15.7 | 20.0 |
| Butadiene | Qua2 | | 0.998 | | 19.9 | 20.0 | -0.3 | 20.0 |
| Vinyl chloride | Ave | 1.176 | 0.999 | 0.1000 | 17.0 | 20.0 | -15.0 | 20.0 |
| Bromomethane | Ave | 0.7778 | 0.6620 | 0.1000 | 17.0 | 20.0 | -14.9 | 50.0 |
| Chloroethane | Ave | 0.6790 | 0.6193 | 0.1000 | 18.2 | 20.0 | -8.8 | 50.0 |
| Dichlorofluoromethane | Ave | 1.715 | 1.444 | | 16.8 | 20.0 | -15.8 | 20.0 |
| Pentane | Ave | 7.659 | 5.587 | | 29.2 | 40.0 | -27.1* | 20.0 |
| Trichlorofluoromethane | Ave | 1.238 | 0.9354 | 0.1000 | 15.1 | 20.0 | -24.4* | 20.0 |
| Ethanol | QuaF | | 0.1061 | | 830 | 800 | 3.7 | 50.0 |
| Ethyl ether | Ave | 0.5594 | 0.5473 | | 19.6 | 20.0 | -2.2 | 20.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.6575 | 0.5718 | | 17.4 | 20.0 | -13.0 | 20.0 |
| 1,2-Dichloro-1,1,2-trifluoro ethane | Ave | 0.6218 | 0.5328 | | 17.1 | 20.0 | -14.3 | 20.0 |
| Acrolein | Ave | 3.942 | 0.5044 | | 5.12 | 40.0 | -87.2* | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | Ave | 0.7216 | 0.5953 | 0.1000 | 16.5 | 20.0 | -17.5 | 20.0 |
| 1,1-Dichloroethene | Ave | 0.6781 | 0.6073 | 0.1000 | 17.9 | 20.0 | -10.4 | 20.0 |
| Acetone | Qua2 | | 1.667 | 0.0500 | 67.4 | 100 | -32.6 | 50.0 |
| Iodomethane | Ave | 1.199 | 1.076 | | 17.9 | 20.0 | -10.3 | 20.0 |
| Isopropyl alcohol | Ave | 1.518 | 1.930 | | 254 | 200 | 27.1 | 50.0 |
| Carbon disulfide | Ave | 2.658 | 2.468 | 0.1000 | 18.6 | 20.0 | -7.2 | 50.0 |
| Allyl chloride | Ave | 1.427 | 1.378 | | 19.3 | 20.0 | -3.4 | 20.0 |
| Methyl acetate | Ave | 0.4250 | 0.4200 | 0.1000 | 39.5 | 40.0 | -1.2 | 20.0 |
| Cyclopentene | Ave | 1.756 | 1.601 | | 18.2 | 20.0 | -8.8 | 20.0 |
| Acetonitrile | Qua2 | | 3.539 | | 173 | 200 | -13.4 | 20.0 |
| Methylene Chloride | Ave | 0.8205 | 0.7653 | 0.1000 | 18.7 | 20.0 | -6.7 | 20.0 |
| 2-Methyl-2-propanol | Ave | 2.891 | 2.876 | | 199 | 200 | -0.5 | 50.0 |
| Methyl tert-butyl ether | Ave | 2.035 | 1.904 | 0.1000 | 18.7 | 20.0 | -6.5 | 20.0 |
| trans-1,2-Dichloroethene | Ave | 0.7565 | 0.6837 | 0.1000 | 18.1 | 20.0 | -9.6 | 20.0 |
| Acrylonitrile | Ave | 0.2506 | 0.2412 | | 193 | 200 | -3.7 | 20.0 |
| Hexane | Ave | 0.6597 | 0.5762 | | 17.5 | 20.0 | -12.7 | 20.0 |
| Isopropyl ether | Ave | 2.530 | 2.468 | | 19.5 | 20.0 | -2.4 | 20.0 |
| 1,1-Dichloroethane | Ave | 1.376 | 1.265 | 0.2000 | 18.4 | 20.0 | -8.0 | 20.0 |
| Vinyl acetate | Ave | 0.1287 | 0.1241 | | 38.6 | 40.0 | -3.6 | 20.0 |
| 2-Chloro-1,3-butadiene | Ave | 0.6433 | 0.6024 | | 18.7 | 20.0 | -6.4 | 20.0 |
| Tert-butyl ethyl ether | Ave | 2.337 | 2.195 | | 18.8 | 20.0 | -6.1 | 20.0 |
| 2,2-Dichloropropane | Ave | 0.2740 | 0.2438 | | 17.8 | 20.0 | -11.0 | 20.0 |
| cis-1,2-Dichloroethene | Ave | 0.8343 | 0.7671 | 0.1000 | 18.4 | 20.0 | -8.1 | 20.0 |
| 2-Butanone | Ave | 0.8920 | 0.6694 | 0.0500 | 75.1 | 100 | -24.9 | 50.0 |
| Ethyl acetate | Ave | 0.8734 | 0.6204 | | 28.4 | 40.0 | -29.0* | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530435/3 Calibration Date: 06/23/2018 20:51

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66666.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methyl acrylate | Ave | 0.7334 | 0.6323 | | 17.2 | 20.0 | -13.8 | 20.0 |
| Propionitrile | Ave | 4.455 | 4.063 | | 182 | 200 | -8.8 | 20.0 |
| Chlorobromomethane | Ave | 0.3748 | 0.3395 | | 18.1 | 20.0 | -9.4 | 20.0 |
| Tetrahydrofuran | Ave | 1.084 | 0.7528 | | 27.8 | 40.0 | -30.6* | 20.0 |
| Methacrylonitrile | Ave | 0.2464 | 0.2371 | | 192 | 200 | -3.8 | 20.0 |
| Chloroform | Ave | 1.259 | 1.128 | 0.2000 | 17.9 | 20.0 | -10.4 | 20.0 |
| Cyclohexane | Ave | 1.103 | 0.9761 | 0.1000 | 17.7 | 20.0 | -11.5 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 1.113 | 0.9451 | 0.1000 | 17.0 | 20.0 | -15.1 | 20.0 |
| Carbon tetrachloride | Ave | 0.8943 | 0.7781 | 0.1000 | 17.4 | 20.0 | -13.0 | 20.0 |
| 1,1-Dichloropropene | Ave | 0.996 | 0.8862 | | 17.8 | 20.0 | -11.1 | 20.0 |
| Isobutyl alcohol | Ave | 1.960 | 1.749 | | 446 | 500 | -10.8 | 50.0 |
| Benzene | Ave | 4.323 | 3.947 | 0.5000 | 18.3 | 20.0 | -8.7 | 20.0 |
| Isopropyl acetate | Ave | 1.924 | 1.815 | | 18.9 | 20.0 | -5.7 | 20.0 |
| Tert-amyl methyl ether | Ave | 2.360 | 2.235 | | 18.9 | 20.0 | -5.3 | 20.0 |
| 1,2-Dichloroethane | Ave | 0.9421 | 0.7668 | 0.1000 | 16.3 | 20.0 | -18.6 | 20.0 |
| n-Heptane | Ave | 0.5370 | 0.4625 | | 17.2 | 20.0 | -13.9 | 20.0 |
| n-Butanol | Qua2 | | 0.3999 | | 496 | 500 | -0.8 | 50.0 |
| Trichloroethene | Ave | 0.7385 | 0.6138 | 0.2000 | 16.6 | 20.0 | -16.9 | 20.0 |
| Ethyl acrylate | Ave | 1.635 | 1.501 | | 18.4 | 20.0 | -8.2 | 20.0 |
| Methylcyclohexane | Ave | 1.283 | 1.131 | 0.1000 | 17.6 | 20.0 | -11.9 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.7664 | 0.7082 | 0.1000 | 18.5 | 20.0 | -7.6 | 20.0 |
| Methyl methacrylate | Ave | 0.1466 | 0.1355 | | 37.0 | 40.0 | -7.6 | 20.0 |
| 1,4-Dioxane | QuaF | | 2.583 | | 253 | 400 | -36.7 | 50.0 |
| Dibromomethane | Ave | 0.4310 | 0.3487 | | 16.2 | 20.0 | -19.1 | 20.0 |
| n-Propyl acetate | Ave | 0.7427 | 0.7398 | | 19.9 | 20.0 | -0.4 | 20.0 |
| Bromodichloromethane | Ave | 0.9532 | 0.8042 | 0.2000 | 16.9 | 20.0 | -15.6 | 20.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.3746 | 0.3382 | | 18.1 | 20.0 | -9.7 | 20.0 |
| 2-Nitropropane | Qua2 | | 0.1165 | | 33.6 | 40.0 | -16.1 | 20.0 |
| Epichlorohydrin | Ave | 0.7341 | 0.5460 | | 297 | 400 | -25.6* | 20.0 |
| cis-1,3-Dichloropropene | Ave | 1.605 | 1.371 | 0.2000 | 17.1 | 20.0 | -14.6 | 50.0 |
| 4-Methyl-2-pentanone | Ave | 8.099 | 6.070 | 0.0500 | 74.9 | 100 | -25.1 | 50.0 |
| Toluene | Ave | 4.357 | 3.844 | 0.4000 | 17.6 | 20.0 | -11.8 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 1.327 | 1.102 | 0.1000 | 16.6 | 20.0 | -17.0 | 50.0 |
| Ethyl methacrylate | Ave | 1.114 | 1.032 | | 18.5 | 20.0 | -7.4 | 20.0 |
| 1,1,2-Trichloroethane | Ave | 0.7404 | 0.6293 | 0.1000 | 17.0 | 20.0 | -15.0 | 20.0 |
| Tetrachloroethene | Ave | 1.031 | 0.8867 | 0.2000 | 17.2 | 20.0 | -14.0 | 20.0 |
| 1,3-Dichloropropane | Ave | 1.388 | 1.241 | | 17.9 | 20.0 | -10.6 | 20.0 |
| 2-Hexanone | Qua2 | | 3.253 | 0.0500 | 69.9 | 100 | -30.1 | 50.0 |
| n-Butyl acetate | Ave | 1.327 | 1.369 | | 20.6 | 20.0 | 3.2 | 20.0 |
| Dibromochloromethane | Ave | 0.9023 | 0.7772 | 0.1000 | 17.2 | 20.0 | -13.9 | 50.0 |
| Ethylene Dibromide | Ave | 0.7693 | 0.6711 | 0.1000 | 17.4 | 20.0 | -12.8 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530435/3 Calibration Date: 06/23/2018 20:51

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66666.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 |
|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | Ave | 2.628 | 2.340 | 0.5000 | 17.8 | 20.0 | -11.0 | 20.0 |
| Ethylbenzene | Ave | 1.557 | 1.364 | 0.1000 | 17.5 | 20.0 | -12.4 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 1.002 | 0.8541 | | 17.0 | 20.0 | -14.8 | 20.0 |
| m-Xylene & p-Xylene | Ave | 1.853 | 1.668 | 0.1000 | 18.0 | 20.0 | -10.0 | 20.0 |
| n-Butyl acrylate | Ave | 0.7426 | 0.6140 | | 16.5 | 20.0 | -17.3 | 20.0 |
| o-Xylene | Ave | 1.917 | 1.742 | 0.3000 | 18.2 | 20.0 | -9.1 | 20.0 |
| Styrene | Ave | 2.875 | 2.717 | 0.3000 | 18.9 | 20.0 | -5.5 | 20.0 |
| Bromoform | Ave | 0.5494 | 0.4726 | 0.1000 | 17.2 | 20.0 | -14.0 | 20.0 |
| Isopropylbenzene | Ave | 4.795 | 4.369 | 0.1000 | 18.2 | 20.0 | -8.9 | 20.0 |
| Bromobenzene | Ave | 2.047 | 1.878 | | 18.3 | 20.0 | -8.3 | 20.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 2.001 | 1.797 | 0.3000 | 18.0 | 20.0 | -10.2 | 20.0 |
| N-Propylbenzene | Ave | 9.96 | 9.482 | | 19.0 | 20.0 | -4.8 | 20.0 |
| 1,2,3-Trichloropropane | Ave | 0.5445 | 0.5003 | | 18.4 | 20.0 | -8.1 | 20.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.5016 | 0.2708 | | 10.8 | 20.0 | -46.0* | 20.0 |
| 2-Chlorotoluene | Ave | 7.007 | 6.413 | | 18.3 | 20.0 | -8.5 | 20.0 |
| 4-Ethyltoluene | Ave | 8.309 | 7.868 | | 18.9 | 20.0 | -5.3 | 20.0 |
| 1,3,5-Trimethylbenzene | Ave | 7.292 | 6.669 | | 18.3 | 20.0 | -8.5 | 20.0 |
| 4-Chlorotoluene | Ave | 6.255 | 5.773 | | 18.5 | 20.0 | -7.7 | 20.0 |
| Butyl Methacrylate | Qua2 | | 2.224 | | 17.6 | 20.0 | -11.8 | 20.0 |
| tert-Butylbenzene | Ave | 5.746 | 5.130 | | 17.9 | 20.0 | -10.7 | 20.0 |
| 1,2,4-Trimethylbenzene | Ave | 7.377 | 6.910 | | 18.7 | 20.0 | -6.3 | 20.0 |
| sec-Butylbenzene | Ave | 8.779 | 8.171 | | 18.6 | 20.0 | -6.9 | 20.0 |
| 4-Isopropyltoluene | Ave | 7.497 | 7.000 | | 18.7 | 20.0 | -6.6 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 4.032 | 3.733 | 0.6000 | 18.5 | 20.0 | -7.4 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 4.096 | 3.837 | 0.5000 | 18.7 | 20.0 | -6.3 | 20.0 |
| 1,2,3-Trimethylbenzene | Ave | 7.781 | 7.080 | | 18.2 | 20.0 | -9.0 | 20.0 |
| Benzyl chloride | Ave | 3.807 | 3.724 | | 19.6 | 20.0 | -2.2 | 50.0 |
| Indan | Ave | 7.578 | 7.087 | | 18.7 | 20.0 | -6.5 | 20.0 |
| p-Diethylbenzene | Ave | 4.449 | 4.058 | | 18.2 | 20.0 | -8.8 | 20.0 |
| n-Butylbenzene | Ave | 4.087 | 3.889 | | 19.0 | 20.0 | -4.9 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 3.996 | 3.765 | 0.4000 | 18.8 | 20.0 | -5.8 | 20.0 |
| 1,2,4,5-Tetramethylbenzene | Ave | 7.253 | 6.779 | | 18.7 | 20.0 | -6.5 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Qua2 | | 0.3111 | 0.0500 | 17.0 | 20.0 | -15.1 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 3.074 | 2.856 | | 18.6 | 20.0 | -7.1 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 2.650 | 2.497 | 0.2000 | 18.8 | 20.0 | -5.8 | 20.0 |
| Hexachlorobutadiene | Ave | 1.223 | 1.137 | | 18.6 | 20.0 | -7.1 | 20.0 |
| Naphthalene | Ave | 6.020 | 5.925 | | 19.7 | 20.0 | -1.6 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 2.449 | 2.249 | | 18.4 | 20.0 | -8.1 | 20.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2467 | 0.2509 | | 50.9 | 50.0 | 1.7 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2995 | 0.2726 | | 45.5 | 50.0 | -9.0 | 20.0 |
| Toluene-d8 (Surr) | Ave | 1.453 | 1.400 | | 48.2 | 50.0 | -3.6 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530435/3 Calibration Date: 06/23/2018 20:51

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66666.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 |
|---|---|---|---|---|---|---|---|---|
| Bromofluorobenzene | Ave | 0.4127 | 0.4057 | | 49.1 | 50.0 | -1.7 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66666.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Jun-2018 20:51:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0074255-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Jun-2018 12:27:40 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: xuyvo Date: 24-Jun-2018 12:27:40

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.533 | 1.533 | 0.000 | 88 | 37318 | 20.0 | 14.5 | |
| 2 Dichlorodifluoromethane | 85 | 1.566 | 1.566 | 0.000 | 99 | 82364 | 20.0 | 12.7 | |
| 3 Chloromethane | 50 | 1.747 | 1.747 | 0.000 | 99 | 119078 | 20.0 | 16.9 | |
| 4 Vinyl chloride | 62 | 1.837 | 1.837 | 0.000 | 97 | 112837 | 20.0 | 17.0 | |
| 5 Butadiene | 54 | 1.837 | 1.837 | 0.000 | 97 | 112698 | 20.0 | 19.9 | |
| 6 Bromomethane | 94 | 2.116 | 2.116 | 0.000 | 97 | 74756 | 20.0 | 17.0 | |
| 7 Chloroethane | 64 | 2.182 | 2.182 | 0.000 | 99 | 69935 | 20.0 | 18.2 | |
| 8 Dichlorofluoromethane | 67 | 2.355 | 2.355 | 0.000 | 99 | 163051 | 20.0 | 16.8 | |
| 10 Pentane | 72 | 2.363 | 2.363 | 0.000 | 96 | 24325 | 40.0 | 29.2 | |
| 9 Trichlorofluoromethane | 101 | 2.363 | 2.363 | 0.000 | 97 | 105627 | 20.0 | 15.1 | |
| 11 Ethanol | 46 | 2.552 | 2.552 | 0.000 | 74 | 9242 | 800.0 | 829.8 | |
| 12 Ethyl ether | 59 | 2.552 | 2.552 | 0.000 | 93 | 61805 | 20.0 | 19.6 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.576 | 2.576 | 0.000 | 97 | 64571 | 20.0 | 17.4 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.609 | 2.609 | 0.000 | 94 | 60161 | 20.0 | 17.1 | |
| 15 Acrolein | 56 | 2.733 | 2.733 | 0.000 | 28 | 2196 | 40.0 | 5.12 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.749 | 2.749 | 0.000 | 96 | 67217 | 20.0 | 16.5 | |
| 17 1,1-Dichloroethene | 96 | 2.765 | 2.765 | 0.000 | 98 | 68578 | 20.0 | 17.9 | |
| 18 Acetone | 43 | 2.848 | 2.848 | 0.000 | 88 | 86949 | 100.0 | 67.4 | |
| 19 Iodomethane | 142 | 2.922 | 2.922 | 0.000 | 97 | 121452 | 20.0 | 17.9 | |
| 20 Isopropyl alcohol | 45 | 2.946 | 2.946 | 0.000 | 26 | 42008 | 200.0 | 254.2 | |
| 21 Carbon disulfide | 76 | 2.954 | 2.954 | 0.000 | 99 | 278726 | 20.0 | 18.6 | |
| 22 3-Chloro-1-propene | 41 | 3.069 | 3.069 | 0.000 | 98 | 155655 | 20.0 | 19.3 | |
| 24 Methyl acetate | 43 | 3.078 | 3.078 | 0.000 | 95 | 94854 | 40.0 | 39.5 | |
| 23 Cyclopentene | 67 | 3.086 | 3.086 | 0.000 | 96 | 180773 | 20.0 | 18.2 | |
| 25 Acetonitrile | 41 | 3.152 | 3.152 | 0.000 | 94 | 77052 | 200.0 | 173.1 | a |
| 27 Methylene Chloride | 84 | 3.193 | 3.193 | 0.000 | 95 | 86417 | 20.0 | 18.7 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 108847 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.258 | 3.258 | 0.000 | 91 | 62606 | 200.0 | 198.9 | M |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.349 | 0.000 | 97 | 214950 | 20.0 | 18.7 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.374 | 3.374 | 0.000 | 96 | 77201 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.447 | 3.447 | 0.000 | 95 | 272418 | 200.0 | 192.6 | |
| 32 Hexane | 43 | 3.521 | 3.521 | 0.000 | 93 | 65065 | 20.0 | 17.5 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.727 | 0.000 | 98 | 278695 | 20.0 | 19.5 | |
| 34 1,1-Dichloroethane | 63 | 3.768 | 3.768 | 0.000 | 99 | 142902 | 20.0 | 18.4 | |
| 35 Vinyl acetate | 86 | 3.776 | 3.776 | 0.000 | 100 | 28018 | 40.0 | 38.6 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.809 | 0.000 | 90 | 68021 | 20.0 | 18.7 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.039 | 0.000 | 89 | 247858 | 20.0 | 18.8 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.245 | 0.000 | 0 | 130397 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.261 | 4.261 | 0.000 | 94 | 27529 | 20.0 | 17.8 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 94 | 86619 | 20.0 | 18.4 | |
| 41 2-Butanone (MEK) | 72 | 4.286 | 4.286 | 0.000 | 96 | 34917 | 100.0 | 75.1 | |
| 42 Ethyl acetate | 70 | 4.294 | 4.294 | 0.000 | 96 | 12944 | 40.0 | 28.4 | |
| 43 Methyl acrylate | 55 | 4.351 | 4.351 | 0.000 | 98 | 49922 | 20.0 | 17.2 | |
| 44 Propionitrile | 54 | 4.434 | 4.434 | 0.000 | 98 | 88456 | 200.0 | 182.4 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 94 | 38334 | 20.0 | 18.1 | |
| 46 Tetrahydrofuran | 72 | 4.507 | 4.507 | 0.000 | 53 | 15706 | 40.0 | 27.8 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 92 | 267757 | 200.0 | 192.5 | |
| 48 Chloroform | 83 | 4.557 | 4.557 | 0.000 | 99 | 127396 | 20.0 | 17.9 | |
| 49 Cyclohexane | 84 | 4.688 | 4.688 | 0.000 | 92 | 110222 | 20.0 | 17.7 | |
| 50 1,1,1-Trichloroethane | 97 | 4.696 | 4.696 | 0.000 | 98 | 106725 | 20.0 | 17.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.713 | 4.713 | 0.000 | 97 | 70837 | 50.0 | 50.9 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.820 | 0.000 | 98 | 87868 | 20.0 | 17.4 | |
| 53 1,1-Dichloropropene | 75 | 4.844 | 4.844 | 0.000 | 98 | 100068 | 20.0 | 17.8 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.992 | 0.000 | 34 | 95164 | 500.0 | 446.0 | a |
| 55 Benzene | 78 | 5.042 | 5.042 | 0.000 | 96 | 311660 | 20.0 | 18.3 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.058 | 0.000 | 0 | 76965 | 50.0 | 45.5 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 96 | 204914 | 20.0 | 18.9 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.099 | 0.000 | 91 | 252375 | 20.0 | 18.9 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.132 | 0.000 | 95 | 86590 | 20.0 | 16.3 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 94 | 52230 | 20.0 | 17.2 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 282306 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.641 | 5.641 | 0.000 | 87 | 21764 | 500.0 | 496.1 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 98 | 69306 | 20.0 | 16.6 | |
| 65 Ethyl acrylate | 55 | 5.798 | 5.798 | 0.000 | 96 | 169442 | 20.0 | 18.4 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.798 | 0.000 | 87 | 127680 | 20.0 | 17.6 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 94 | 79973 | 20.0 | 18.5 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.036 | 6.036 | 0.000 | 0 | 9221 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.036 | 6.036 | 0.000 | 89 | 30605 | 40.0 | 37.0 | |
| 69 1,4-Dioxane | 88 | 6.085 | 6.085 | 0.000 | 30 | 9528 | 400.0 | 253.0 | |
| 70 n-Propyl acetate | 43 | 6.093 | 6.093 | 0.000 | 98 | 83535 | 20.0 | 19.9 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 92 | 39380 | 20.0 | 16.2 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 100 | 90806 | 20.0 | 16.9 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 80 | 38194 | 20.0 | 18.1 | |
| 73 2-Nitropropane | 41 | 6.570 | 6.570 | 0.000 | 78 | 26302 | 40.0 | 33.6 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 113904 | 400.0 | 297.5 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 90 | 108247 | 20.0 | 17.1 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.899 | 0.000 | 96 | 316594 | 100.0 | 74.9 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 99 | 276379 | 50.0 | 48.2 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 94 | 303511 | 20.0 | 17.6 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 96 | 86998 | 20.0 | 16.6 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 90 | 81481 | 20.0 | 18.5 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 96 | 49688 | 20.0 | 17.0 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.671 | 7.671 | 0.000 | 97 | 70008 | 20.0 | 17.2 | |
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 93 | 97987 | 20.0 | 17.9 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 96 | 169673 | 100.0 | 69.9 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 99 | 108122 | 20.0 | 20.6 | |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 98 | 61367 | 20.0 | 17.2 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.222 | 0.000 | 100 | 52989 | 20.0 | 17.4 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 86 | 197391 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 93 | 184733 | 20.0 | 17.8 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.904 | 0.000 | 98 | 107719 | 20.0 | 17.5 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 96 | 67438 | 20.0 | 17.0 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 131662 | 20.0 | 18.0 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 98 | 48479 | 20.0 | 16.5 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 94 | 137538 | 20.0 | 18.2 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 95 | 214504 | 20.0 | 18.9 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 91 | 123914 | 20.0 | 20.0 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 96 | 37311 | 20.0 | 17.2 | |
| 99 Isopropylbenzene | 105 | 9.848 | 9.848 | 0.000 | 96 | 344923 | 20.0 | 18.2 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 90 | 80074 | 50.0 | 49.1 | |
| 101 Bromobenzene | 156 | 10.152 | 10.152 | 0.000 | 99 | 82369 | 20.0 | 18.3 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.185 | 10.185 | 0.000 | 98 | 78812 | 20.0 | 18.0 | |
| 103 N-Propylbenzene | 91 | 10.202 | 10.202 | 0.000 | 99 | 415834 | 20.0 | 19.0 | |
| 104 1,2,3-Trichloropropane | 110 | 10.226 | 10.226 | 0.000 | 96 | 21941 | 20.0 | 18.4 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 82 | 11875 | 20.0 | 10.8 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 90 | 281240 | 20.0 | 18.3 | |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 89 | 345053 | 20.0 | 18.9 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.350 | 10.350 | 0.000 | 94 | 292465 | 20.0 | 18.3 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 253160 | 20.0 | 18.5 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 89 | 97532 | 20.0 | 17.6 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 94 | 224968 | 20.0 | 17.9 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 303042 | 20.0 | 18.7 | |
| 113 sec-Butylbenzene | 105 | 10.744 | 10.744 | 0.000 | 99 | 358334 | 20.0 | 18.6 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 97 | 306967 | 20.0 | 18.7 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 96 | 163730 | 20.0 | 18.5 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 96 | 109638 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 94 | 168264 | 20.0 | 18.7 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 98 | 310513 | 20.0 | 18.2 | |
| 118 Benzyl chloride | 91 | 11.023 | 11.023 | 0.000 | 99 | 163328 | 20.0 | 19.6 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 95 | 310812 | 20.0 | 18.7 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 94 | 177971 | 20.0 | 18.2 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 98 | 170540 | 20.0 | 19.0 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 96 | 165099 | 20.0 | 18.8 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.582 | 11.582 | 0.000 | 98 | 297291 | 20.0 | 18.7 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.664 | 11.664 | 0.000 | 97 | 13642 | 20.0 | 17.0 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.747 | 0.000 | 97 | 125236 | 20.0 | 18.6 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.149 | 12.149 | 0.000 | 94 | 109496 | 20.0 | 18.8 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.207 | 0.000 | 95 | 49855 | 20.0 | 18.6 | |
| 128 Naphthalene | 128 | 12.322 | 12.322 | 0.000 | 99 | 259832 | 20.0 | 19.7 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.486 | 12.486 | 0.000 | 95 | 98646 | 20.0 | 18.4 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 36.5 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 40.0 | 36.2 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00011 | Amount Added: | 5.00 | Units: uL | Run Reagent |

Report Date: 24-Jun-2018 12:27:42 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66666.D

Injection Date: 23-Jun-2018 20:51:30 Instrument ID: CVOAMS6 Operator ID:

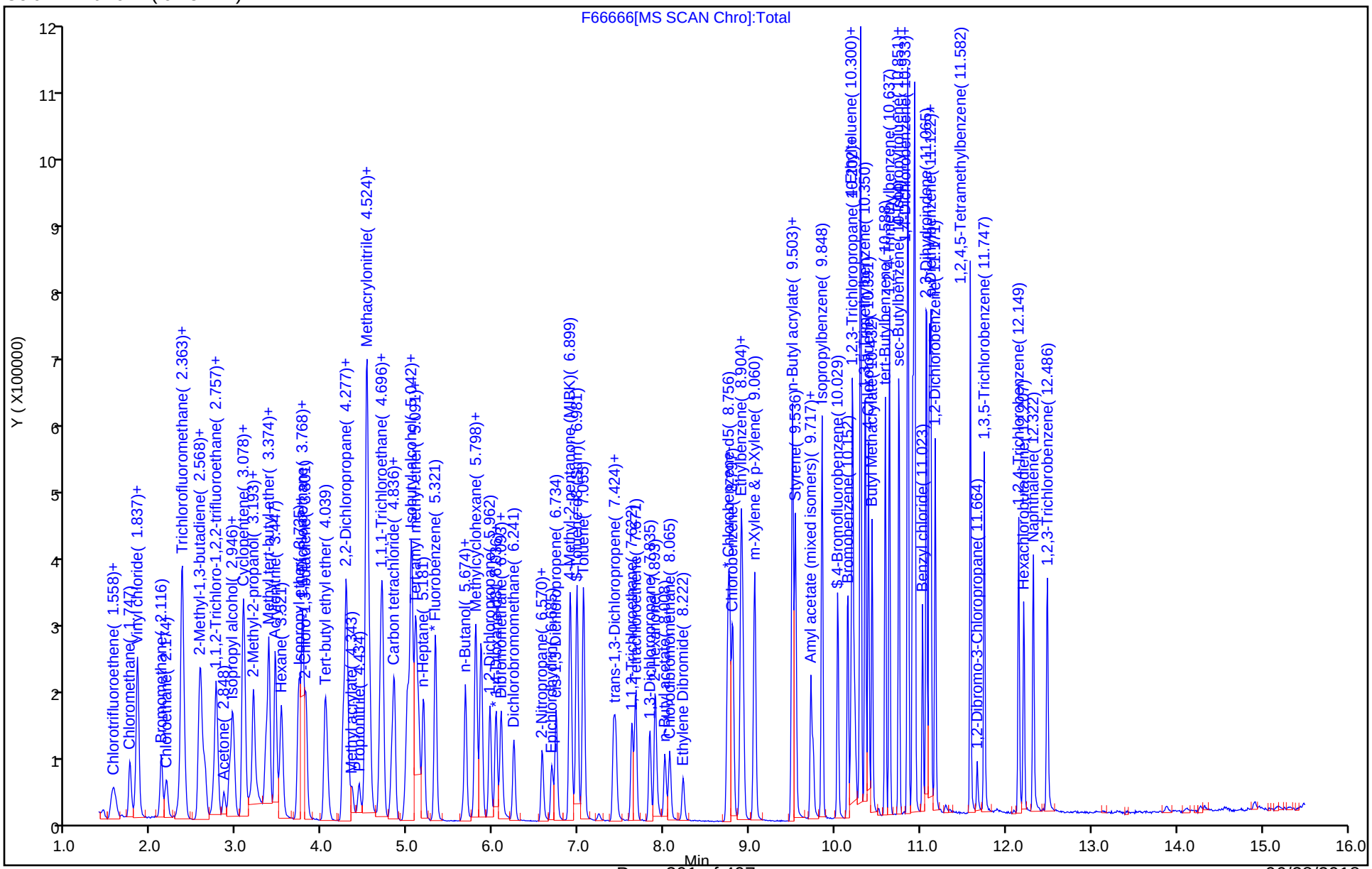
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

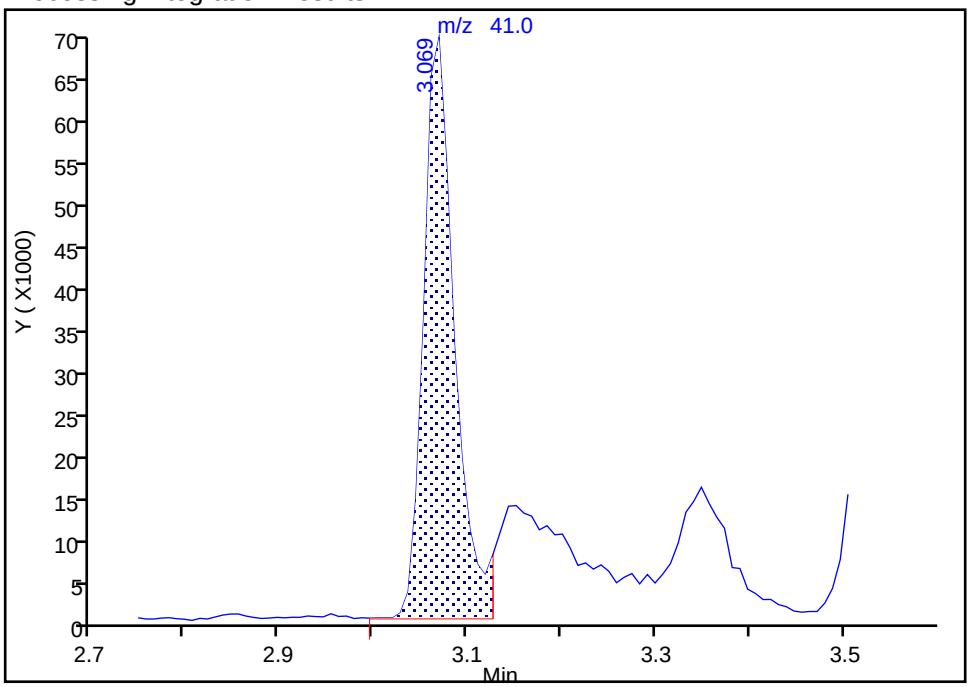
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66666.D
Injection Date: 23-Jun-2018 20:51:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 25 Acetonitrile, CAS: 75-05-8

Signal: 1

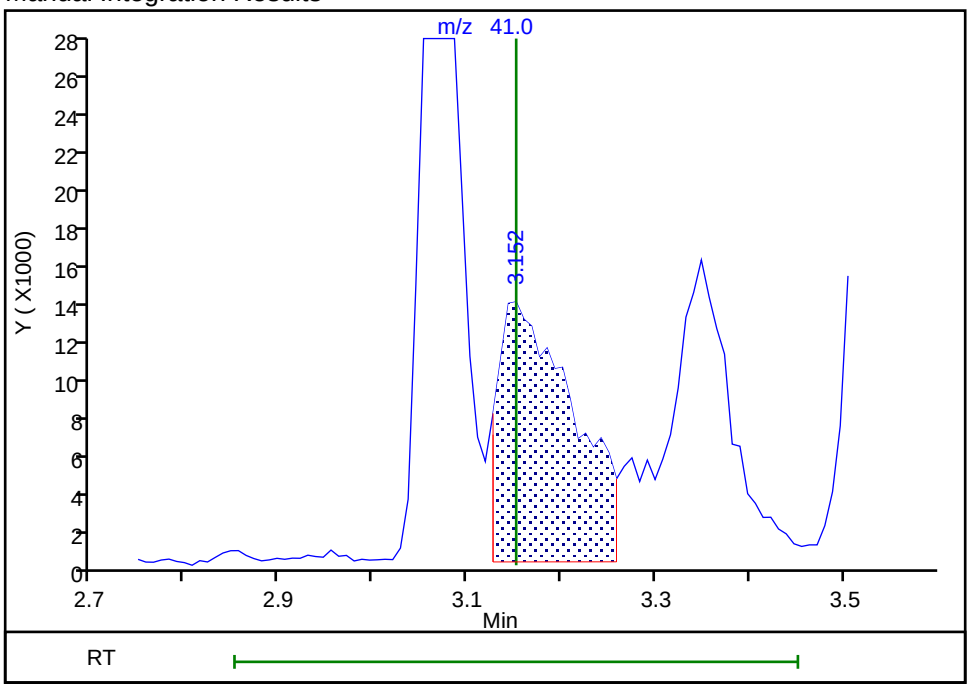
Processing Integration Results

RT: 3.07
Area: 160385
Amount: 355.9074
Amount Units: ug/l




Manual Integration Results

RT: 3.15
Area: 77052
Amount: 173.1056
Amount Units: ug/l




Reviewer: starzecm, 24-Jun-2018 09:25:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

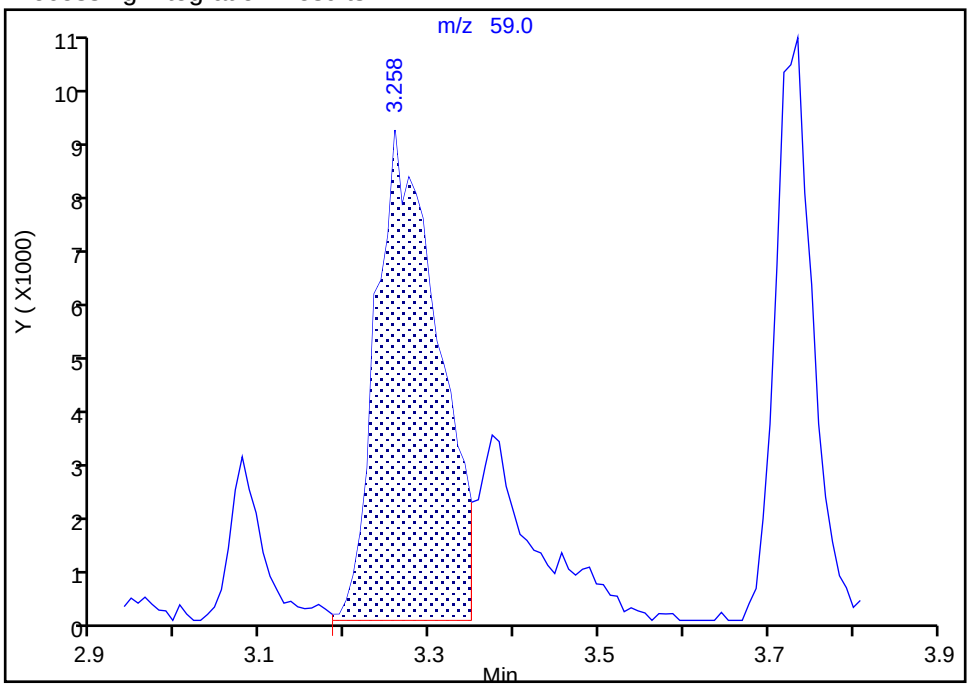
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66666.D
Injection Date: 23-Jun-2018 20:51:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Signal: 1

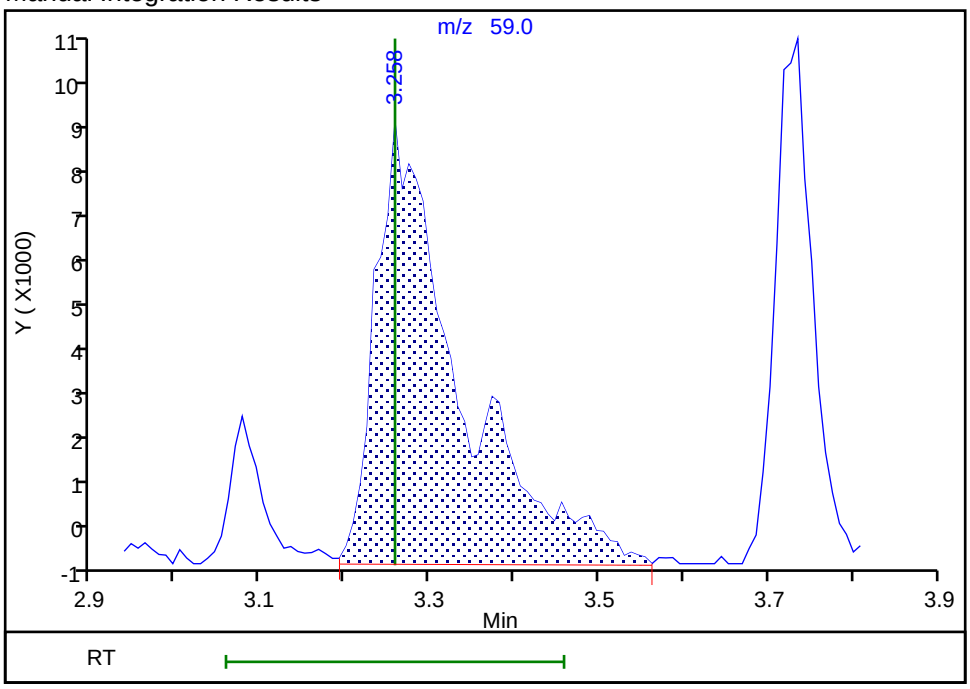
Processing Integration Results

RT: 3.26
Area: 46520
Amount: 147.8287
Amount Units: ug/l




Manual Integration Results

RT: 3.26
Area: 62606
Amount: 198.9460
Amount Units: ug/l




Reviewer: xuyvo, 24-Jun-2018 12:10:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

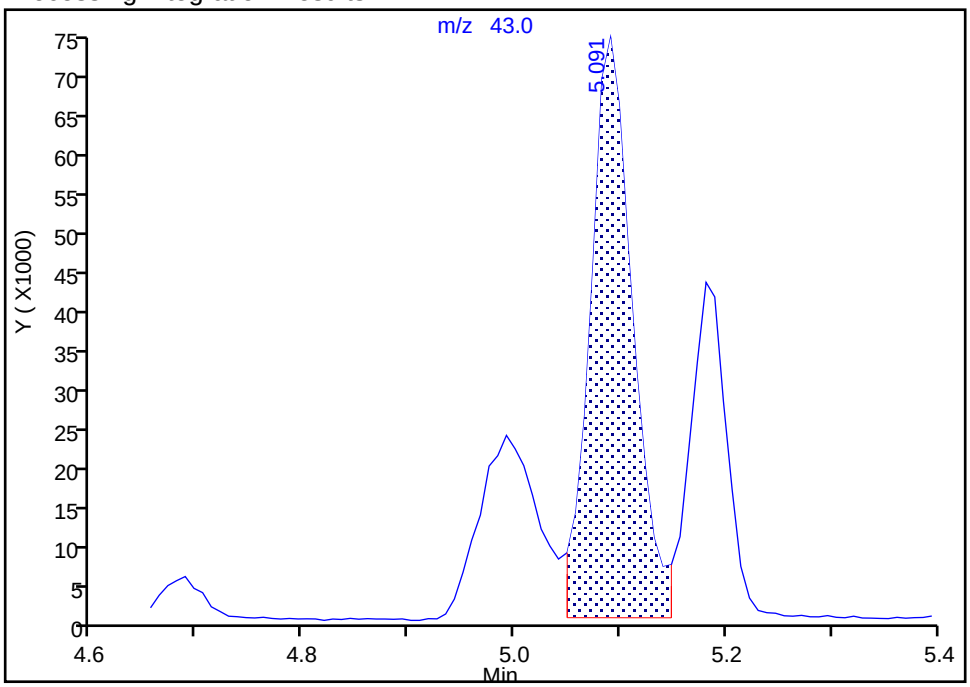
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66666.D
Injection Date: 23-Jun-2018 20:51:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

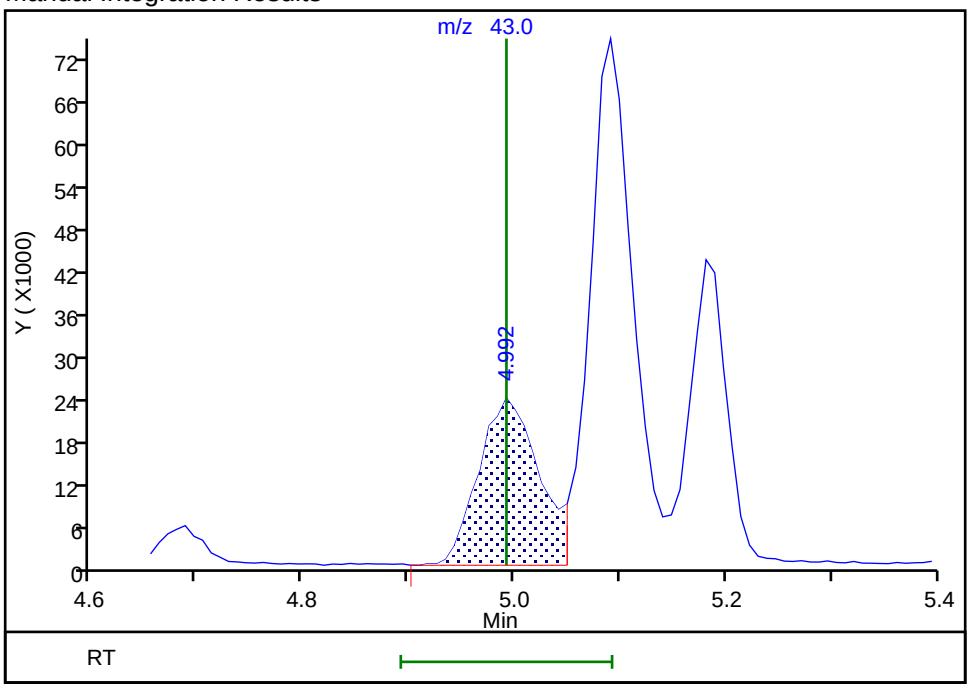
Processing Integration Results

RT: 5.09
Area: 208256
Amount: 976.1214
Amount Units: ug/l




Manual Integration Results

RT: 4.99
Area: 95164
Amount: 446.0454
Amount Units: ug/l




Reviewer: starzecm, 24-Jun-2018 09:24:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530535/3 Calibration Date: 06/24/2018 09:06

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66695.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 | 0.4548 | 0.2791 | | 12.3 | 20.0 | -38.6* | 20.0 |
| Dichlorodifluoromethane | Ave | 1.149 | 0.8903 | 0.1000 | 15.5 | 20.0 | -22.5* | 20.0 |
| Chloromethane | Ave | 1.251 | 1.137 | 0.1000 | 18.2 | 20.0 | -9.2 | 20.0 |
| Butadiene | Qua2 | | 1.145 | | 22.9 | 20.0 | 14.5 | 20.0 |
| Vinyl chloride | Ave | 1.176 | 1.108 | 0.1000 | 18.8 | 20.0 | -5.8 | 20.0 |
| Bromomethane | Ave | 0.7778 | 0.6836 | 0.1000 | 17.6 | 20.0 | -12.1 | 50.0 |
| Chloroethane | Ave | 0.6790 | 0.6544 | 0.1000 | 19.3 | 20.0 | -3.6 | 50.0 |
| Dichlorofluoromethane | Ave | 1.715 | 1.513 | | 17.6 | 20.0 | -11.8 | 20.0 |
| Pentane | Ave | 7.659 | 6.395 | | 33.4 | 40.0 | -16.5 | 20.0 |
| Trichlorofluoromethane | Ave | 1.238 | 1.079 | 0.1000 | 17.4 | 20.0 | -12.8 | 20.0 |
| Ethanol | QuaF | | 0.1106 | | 865 | 800 | 8.1 | 50.0 |
| Ethyl ether | Ave | 0.5594 | 0.5202 | | 18.6 | 20.0 | -7.0 | 20.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.6575 | 0.5618 | | 17.1 | 20.0 | -14.6 | 20.0 |
| 1,2-Dichloro-1,1,2-trifluoro ethane | Ave | 0.6218 | 0.5242 | | 16.9 | 20.0 | -15.7 | 20.0 |
| Acrolein | Ave | 3.942 | 0.9393 | | 9.53 | 40.0 | -76.2* | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | Ave | 0.7216 | 0.6377 | 0.1000 | 17.7 | 20.0 | -11.6 | 20.0 |
| 1,1-Dichloroethene | Ave | 0.6781 | 0.5632 | 0.1000 | 16.6 | 20.0 | -16.9 | 20.0 |
| Acetone | Qua2 | | 1.802 | 0.0500 | 73.3 | 100 | -26.7 | 50.0 |
| Iodomethane | Ave | 1.199 | 0.995 | | 16.6 | 20.0 | -17.0 | 20.0 |
| Carbon disulfide | Ave | 2.658 | 2.229 | 0.1000 | 16.8 | 20.0 | -16.2 | 50.0 |
| Isopropyl alcohol | Ave | 1.518 | 1.524 | | 201 | 200 | 0.4 | 50.0 |
| Allyl chloride | Ave | 1.427 | 1.254 | | 17.6 | 20.0 | -12.1 | 20.0 |
| Methyl acetate | Ave | 0.4250 | 0.4138 | 0.1000 | 38.9 | 40.0 | -2.6 | 20.0 |
| Cyclopentene | Ave | 1.756 | 1.521 | | 17.3 | 20.0 | -13.4 | 20.0 |
| Acetonitrile | Qua2 | | 4.749 | | 231 | 200 | 15.3 | 20.0 |
| Methylene Chloride | Ave | 0.8205 | 0.7242 | 0.1000 | 17.7 | 20.0 | -11.7 | 20.0 |
| 2-Methyl-2-propanol | Ave | 2.891 | 2.976 | | 206 | 200 | 2.9 | 50.0 |
| Methyl tert-butyl ether | Ave | 2.035 | 1.855 | 0.1000 | 18.2 | 20.0 | -8.8 | 20.0 |
| trans-1,2-Dichloroethene | Ave | 0.7565 | 0.6413 | 0.1000 | 17.0 | 20.0 | -15.2 | 20.0 |
| Acrylonitrile | Ave | 0.2506 | 0.2292 | | 183 | 200 | -8.5 | 20.0 |
| Hexane | Ave | 0.6597 | 0.6083 | | 18.4 | 20.0 | -7.8 | 20.0 |
| Isopropyl ether | Ave | 2.530 | 2.375 | | 18.8 | 20.0 | -6.1 | 20.0 |
| 1,1-Dichloroethane | Ave | 1.376 | 1.218 | 0.2000 | 17.7 | 20.0 | -11.5 | 20.0 |
| Vinyl acetate | Ave | 0.1287 | 0.1170 | | 36.4 | 40.0 | -9.1 | 20.0 |
| 2-Chloro-1,3-butadiene | Ave | 0.6433 | 0.5531 | | 17.2 | 20.0 | -14.0 | 20.0 |
| Tert-butyl ethyl ether | Ave | 2.337 | 2.093 | | 17.9 | 20.0 | -10.5 | 20.0 |
| 2,2-Dichloropropane | Ave | 0.2740 | 0.2502 | | 18.3 | 20.0 | -8.7 | 20.0 |
| cis-1,2-Dichloroethene | Ave | 0.8343 | 0.7445 | 0.1000 | 17.8 | 20.0 | -10.8 | 20.0 |
| 2-Butanone | Ave | 0.8920 | 0.6629 | 0.0500 | 74.3 | 100 | -25.7 | 50.0 |
| Ethyl acetate | Ave | 0.8734 | 0.5962 | | 27.3 | 40.0 | -31.7* | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530535/3 Calibration Date: 06/24/2018 09:06

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66695.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methyl acrylate | Ave | 0.7334 | 0.6257 | | 17.1 | 20.0 | -14.7 | 20.0 |
| Propionitrile | Ave | 4.455 | 4.676 | | 210 | 200 | 5.0 | 20.0 |
| Chlorobromomethane | Ave | 0.3748 | 0.3329 | | 17.8 | 20.0 | -11.2 | 20.0 |
| Tetrahydrofuran | Ave | 1.084 | 0.7551 | | 27.9 | 40.0 | -30.4* | 20.0 |
| Methacrylonitrile | Ave | 0.2464 | 0.2298 | | 187 | 200 | -6.7 | 20.0 |
| Chloroform | Ave | 1.259 | 1.094 | 0.2000 | 17.4 | 20.0 | -13.1 | 20.0 |
| Cyclohexane | Ave | 1.103 | 1.026 | 0.1000 | 18.6 | 20.0 | -7.0 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 1.113 | 0.9434 | 0.1000 | 16.9 | 20.0 | -15.3 | 20.0 |
| Carbon tetrachloride | Ave | 0.8943 | 0.7667 | 0.1000 | 17.1 | 20.0 | -14.3 | 20.0 |
| 1,1-Dichloropropene | Ave | 0.996 | 0.8636 | | 17.3 | 20.0 | -13.3 | 20.0 |
| Isobutyl alcohol | Ave | 1.960 | 1.915 | | 488 | 500 | -2.3 | 50.0 |
| Benzene | Ave | 4.323 | 3.721 | 0.5000 | 17.2 | 20.0 | -13.9 | 20.0 |
| Isopropyl acetate | Ave | 1.924 | 1.765 | | 18.3 | 20.0 | -8.3 | 20.0 |
| Tert-amyl methyl ether | Ave | 2.360 | 2.166 | | 18.4 | 20.0 | -8.2 | 20.0 |
| 1,2-Dichloroethane | Ave | 0.9421 | 0.7452 | 0.1000 | 15.8 | 20.0 | -20.9* | 20.0 |
| n-Heptane | Ave | 0.5370 | 0.5156 | | 19.2 | 20.0 | -4.0 | 20.0 |
| n-Butanol | Qua2 | | 0.3851 | | 479 | 500 | -4.2 | 50.0 |
| Trichloroethene | Ave | 0.7385 | 0.6087 | 0.2000 | 16.5 | 20.0 | -17.6 | 20.0 |
| Ethyl acrylate | Ave | 1.635 | 1.528 | | 18.7 | 20.0 | -6.6 | 20.0 |
| Methylcyclohexane | Ave | 1.283 | 1.212 | 0.1000 | 18.9 | 20.0 | -5.5 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.7664 | 0.6781 | 0.1000 | 17.7 | 20.0 | -11.5 | 20.0 |
| Methyl methacrylate | Ave | 0.1466 | 0.1308 | | 35.7 | 40.0 | -10.8 | 20.0 |
| 1,4-Dioxane | QuaF | | 1.683 | | 164 | 400 | -58.9* | 50.0 |
| n-Propyl acetate | Ave | 0.7427 | 0.6578 | | 17.7 | 20.0 | -11.4 | 20.0 |
| Dibromomethane | Ave | 0.4310 | 0.3556 | | 16.5 | 20.0 | -17.5 | 20.0 |
| Bromodichloromethane | Ave | 0.9532 | 0.7902 | 0.2000 | 16.6 | 20.0 | -17.1 | 20.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.3746 | 0.3206 | | 17.1 | 20.0 | -14.4 | 20.0 |
| 2-Nitropropane | Qua2 | | 0.1106 | | 31.8 | 40.0 | -20.5* | 20.0 |
| Epichlorohydrin | Ave | 0.7341 | 0.5427 | | 296 | 400 | -26.1* | 20.0 |
| cis-1,3-Dichloropropene | Ave | 1.605 | 1.328 | 0.2000 | 16.5 | 20.0 | -17.3 | 50.0 |
| 4-Methyl-2-pentanone | Ave | 8.099 | 6.081 | 0.0500 | 75.1 | 100 | -24.9 | 50.0 |
| Toluene | Ave | 4.357 | 3.695 | 0.4000 | 17.0 | 20.0 | -15.2 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 1.327 | 1.091 | 0.1000 | 16.4 | 20.0 | -17.8 | 50.0 |
| Ethyl methacrylate | Ave | 1.114 | 1.017 | | 18.3 | 20.0 | -8.7 | 20.0 |
| 1,1,2-Trichloroethane | Ave | 0.7404 | 0.6269 | 0.1000 | 16.9 | 20.0 | -15.3 | 20.0 |
| Tetrachloroethene | Ave | 1.031 | 0.9004 | 0.2000 | 17.5 | 20.0 | -12.7 | 20.0 |
| 1,3-Dichloropropane | Ave | 1.388 | 1.226 | | 17.7 | 20.0 | -11.6 | 20.0 |
| 2-Hexanone | Qua2 | | 3.207 | 0.0500 | 68.9 | 100 | -31.1 | 50.0 |
| n-Butyl acetate | Ave | 1.327 | 1.248 | | 18.8 | 20.0 | -5.9 | 20.0 |
| Dibromochloromethane | Ave | 0.9023 | 0.7392 | 0.1000 | 16.4 | 20.0 | -18.1 | 50.0 |
| Ethylene Dibromide | Ave | 0.7693 | 0.6492 | 0.1000 | 16.9 | 20.0 | -15.6 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530535/3 Calibration Date: 06/24/2018 09:06

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66695.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 |
|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | Ave | 2.628 | 2.269 | 0.5000 | 17.3 | 20.0 | -13.7 | 20.0 |
| Ethylbenzene | Ave | 1.557 | 1.339 | 0.1000 | 17.2 | 20.0 | -14.0 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 1.002 | 0.8565 | | 17.1 | 20.0 | -14.5 | 20.0 |
| m-Xylene & p-Xylene | Ave | 1.853 | 1.663 | 0.1000 | 17.9 | 20.0 | -10.3 | 20.0 |
| n-Butyl acrylate | Ave | 0.7426 | 0.6310 | | 17.0 | 20.0 | -15.0 | 20.0 |
| o-Xylene | Ave | 1.917 | 1.701 | 0.3000 | 17.7 | 20.0 | -11.3 | 20.0 |
| Styrene | Ave | 2.875 | 2.619 | 0.3000 | 18.2 | 20.0 | -8.9 | 20.0 |
| Bromoform | Ave | 0.5494 | 0.4975 | 0.1000 | 18.1 | 20.0 | -9.4 | 20.0 |
| Isopropylbenzene | Ave | 4.795 | 4.419 | 0.1000 | 18.4 | 20.0 | -7.9 | 20.0 |
| Bromobenzene | Ave | 2.047 | 1.752 | | 17.1 | 20.0 | -14.4 | 20.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 2.001 | 1.683 | 0.3000 | 16.8 | 20.0 | -15.9 | 20.0 |
| N-Propylbenzene | Ave | 9.96 | 8.780 | | 17.6 | 20.0 | -11.8 | 20.0 |
| 1,2,3-Trichloropropane | Ave | 0.5445 | 0.4685 | | 17.2 | 20.0 | -13.9 | 20.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.5016 | 0.2360 | | 9.41 | 20.0 | -52.9* | 20.0 |
| 2-Chlorotoluene | Ave | 7.007 | 6.088 | | 17.4 | 20.0 | -13.1 | 20.0 |
| 4-Ethyltoluene | Ave | 8.309 | 7.375 | | 17.8 | 20.0 | -11.2 | 20.0 |
| 1,3,5-Trimethylbenzene | Ave | 7.292 | 6.314 | | 17.3 | 20.0 | -13.4 | 20.0 |
| 4-Chlorotoluene | Ave | 6.255 | 5.345 | | 17.1 | 20.0 | -14.5 | 20.0 |
| Butyl Methacrylate | Qua2 | | 2.179 | | 17.3 | 20.0 | -13.6 | 20.0 |
| tert-Butylbenzene | Ave | 5.746 | 4.906 | | 17.1 | 20.0 | -14.6 | 20.0 |
| 1,2,4-Trimethylbenzene | Ave | 7.377 | 6.480 | | 17.6 | 20.0 | -12.2 | 20.0 |
| sec-Butylbenzene | Ave | 8.779 | 7.824 | | 17.8 | 20.0 | -10.9 | 20.0 |
| 4-Isopropyltoluene | Ave | 7.497 | 6.784 | | 18.1 | 20.0 | -9.5 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 4.032 | 3.548 | 0.6000 | 17.6 | 20.0 | -12.0 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 4.096 | 3.609 | 0.5000 | 17.6 | 20.0 | -11.9 | 20.0 |
| 1,2,3-Trimethylbenzene | Ave | 7.781 | 6.820 | | 17.5 | 20.0 | -12.3 | 20.0 |
| Benzyl chloride | Ave | 3.807 | 3.491 | | 18.3 | 20.0 | -8.3 | 50.0 |
| Indan | Ave | 7.578 | 6.819 | | 18.0 | 20.0 | -10.0 | 20.0 |
| p-Diethylbenzene | Ave | 4.449 | 3.863 | | 17.4 | 20.0 | -13.2 | 20.0 |
| n-Butylbenzene | Ave | 4.087 | 3.689 | | 18.1 | 20.0 | -9.7 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 3.996 | 3.522 | 0.4000 | 17.6 | 20.0 | -11.9 | 20.0 |
| 1,2,4,5-Tetramethylbenzene | Ave | 7.253 | 6.424 | | 17.7 | 20.0 | -11.4 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Qua2 | | 0.2946 | 0.0500 | 16.0 | 20.0 | -19.8 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 3.074 | 2.744 | | 17.9 | 20.0 | -10.7 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 2.650 | 2.426 | 0.2000 | 18.3 | 20.0 | -8.5 | 20.0 |
| Hexachlorobutadiene | Ave | 1.223 | 1.113 | | 18.2 | 20.0 | -9.0 | 20.0 |
| Naphthalene | Ave | 6.020 | 5.397 | | 17.9 | 20.0 | -10.4 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 2.449 | 2.202 | | 18.0 | 20.0 | -10.1 | 20.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2467 | 0.2456 | | 49.8 | 50.0 | -0.4 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2995 | 0.2672 | | 44.6 | 50.0 | -10.8 | 20.0 |
| Toluene-d8 (Surr) | Ave | 1.453 | 1.394 | | 48.0 | 50.0 | -4.0 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Lab Sample ID: CCVIS 460-530535/3 Calibration Date: 06/24/2018 09:06

Instrument ID: CVOAMS6 Calib Start Date: 06/05/2018 02:24

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/05/2018 05:09

Lab File ID: F66695.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 |
|---|---|---|---|---|---|---|---|---|
| Bromofluorobenzene | Ave | 0.4127 | 0.4163 | | 50.4 | 50.0 | 0.9 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66695.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Jun-2018 09:06:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0074278-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 26-Jun-2018 14:54:36 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

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

First Level Reviewer: xuyvo Date: 26-Jun-2018 14:54:36

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.525 | 1.525 | 0.000 | 84 | 30181 | 20.0 | 12.3 | |
| 2 Dichlorodifluoromethane | 85 | 1.558 | 1.558 | 0.000 | 98 | 96268 | 20.0 | 15.5 | |
| 3 Chloromethane | 50 | 1.730 | 1.730 | 0.000 | 99 | 122924 | 20.0 | 18.2 | |
| 4 Vinyl chloride | 62 | 1.829 | 1.829 | 0.000 | 97 | 119791 | 20.0 | 18.8 | |
| 5 Butadiene | 54 | 1.829 | 1.829 | 0.000 | 97 | 123793 | 20.0 | 22.9 | |
| 6 Bromomethane | 94 | 2.108 | 2.108 | 0.000 | 99 | 73913 | 20.0 | 17.6 | |
| 7 Chloroethane | 64 | 2.166 | 2.166 | 0.000 | 99 | 70757 | 20.0 | 19.3 | |
| 8 Dichlorofluoromethane | 67 | 2.346 | 2.346 | 0.000 | 99 | 163638 | 20.0 | 17.6 | |
| 10 Pentane | 72 | 2.355 | 2.355 | 0.000 | 97 | 24291 | 40.0 | 33.4 | |
| 9 Trichlorofluoromethane | 101 | 2.355 | 2.355 | 0.000 | 63 | 116684 | 20.0 | 17.4 | |
| 11 Ethanol | 46 | 2.544 | 2.544 | 0.000 | 75 | 8401 | 800.0 | 864.8 | |
| 12 Ethyl ether | 59 | 2.544 | 2.544 | 0.000 | 94 | 56245 | 20.0 | 18.6 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.568 | 2.568 | 0.000 | 96 | 60745 | 20.0 | 17.1 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.601 | 2.601 | 0.000 | 96 | 56679 | 20.0 | 16.9 | |
| 15 Acrolein | 56 | 2.716 | 2.716 | 0.000 | 59 | 3568 | 40.0 | 9.53 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.741 | 2.741 | 0.000 | 96 | 68955 | 20.0 | 17.7 | |
| 17 1,1-Dichloroethene | 96 | 2.749 | 2.749 | 0.000 | 98 | 60900 | 20.0 | 16.6 | |
| 18 Acetone | 43 | 2.839 | 2.839 | 0.000 | 88 | 86703 | 100.0 | 73.3 | |
| 19 Iodomethane | 142 | 2.905 | 2.905 | 0.000 | 97 | 107592 | 20.0 | 16.6 | |
| 20 Isopropyl alcohol | 45 | 2.938 | 2.938 | 0.000 | 95 | 28944 | 200.0 | 200.8 | |
| 21 Carbon disulfide | 76 | 2.938 | 2.938 | 0.000 | 99 | 241021 | 20.0 | 16.8 | |
| 22 3-Chloro-1-propene | 41 | 3.061 | 3.061 | 0.000 | 96 | 135586 | 20.0 | 17.6 | |
| 24 Methyl acetate | 43 | 3.069 | 3.069 | 0.000 | 99 | 89489 | 40.0 | 38.9 | |
| 23 Cyclopentene | 67 | 3.078 | 3.078 | 0.000 | 95 | 164420 | 20.0 | 17.3 | |
| 25 Acetonitrile | 41 | 3.143 | 3.143 | 0.000 | 94 | 90201 | 200.0 | 230.7 | Ma |
| 27 Methylene Chloride | 84 | 3.185 | 3.185 | 0.000 | 95 | 78306 | 20.0 | 17.7 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 94963 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.258 | 3.258 | 0.000 | 34 | 56518 | 200.0 | 205.9 | M |
| 29 Methyl tert-butyl ether | 73 | 3.341 | 3.341 | 0.000 | 97 | 200600 | 20.0 | 18.2 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.365 | 3.365 | 0.000 | 95 | 69345 | 20.0 | 17.0 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acrylonitrile | 53 | 3.439 | 3.439 | 0.000 | 95 | 247828 | 200.0 | 182.9 | |
| 32 Hexane | 43 | 3.513 | 3.513 | 0.000 | 93 | 65769 | 20.0 | 18.4 | |
| 33 Isopropyl ether | 45 | 3.719 | 3.719 | 0.000 | 97 | 256747 | 20.0 | 18.8 | |
| 34 1,1-Dichloroethane | 63 | 3.760 | 3.760 | 0.000 | 99 | 131650 | 20.0 | 17.7 | |
| 35 Vinyl acetate | 86 | 3.768 | 3.768 | 0.000 | 100 | 25297 | 40.0 | 36.4 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.801 | 3.801 | 0.000 | 91 | 59807 | 20.0 | 17.2 | |
| 37 Tert-butyl ethyl ether | 59 | 4.031 | 4.031 | 0.000 | 89 | 226256 | 20.0 | 17.9 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.236 | 0.000 | 0 | 120295 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.253 | 4.253 | 0.000 | 92 | 27056 | 20.0 | 18.3 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 95 | 80496 | 20.0 | 17.8 | |
| 41 2-Butanone (MEK) | 72 | 4.294 | 4.294 | 0.000 | 96 | 31895 | 100.0 | 74.3 | |
| 42 Ethyl acetate | 70 | 4.294 | 4.294 | 0.000 | 96 | 11476 | 40.0 | 27.3 | |
| 43 Methyl acrylate | 55 | 4.343 | 4.343 | 0.000 | 99 | 47108 | 20.0 | 17.1 | |
| 44 Propionitrile | 54 | 4.425 | 4.425 | 0.000 | 98 | 88816 | 200.0 | 209.9 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 94 | 35989 | 20.0 | 17.8 | |
| 46 Tetrahydrofuran | 72 | 4.499 | 4.499 | 0.000 | 77 | 14534 | 40.0 | 27.9 | |
| 47 Methacrylonitrile | 67 | 4.516 | 4.516 | 0.000 | 92 | 248453 | 200.0 | 186.5 | |
| 48 Chloroform | 83 | 4.549 | 4.549 | 0.000 | 99 | 118333 | 20.0 | 17.4 | |
| 49 Cyclohexane | 84 | 4.680 | 4.680 | 0.000 | 93 | 110918 | 20.0 | 18.6 | |
| 50 1,1,1-Trichloroethane | 97 | 4.696 | 4.696 | 0.000 | 98 | 102000 | 20.0 | 16.9 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 96 | 66394 | 50.0 | 49.8 | |
| 52 Carbon tetrachloride | 117 | 4.811 | 4.811 | 0.000 | 98 | 82898 | 20.0 | 17.1 | |
| 53 1,1-Dichloropropene | 75 | 4.836 | 4.836 | 0.000 | 98 | 93374 | 20.0 | 17.3 | |
| 54 Isobutyl alcohol | 43 | 4.984 | 4.984 | 0.000 | 42 | 90911 | 500.0 | 488.4 | a |
| 55 Benzene | 78 | 5.033 | 5.033 | 0.000 | 97 | 280169 | 20.0 | 17.2 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.050 | 5.050 | 0.000 | 0 | 72217 | 50.0 | 44.6 | |
| 57 Isopropyl acetate | 43 | 5.083 | 5.083 | 0.000 | 97 | 190801 | 20.0 | 18.3 | |
| 58 Tert-amyl methyl ether | 73 | 5.091 | 5.091 | 0.000 | 91 | 234212 | 20.0 | 18.4 | |
| 59 1,2-Dichloroethane | 62 | 5.124 | 5.124 | 0.000 | 96 | 80574 | 20.0 | 15.8 | |
| 60 n-Heptane | 57 | 5.173 | 5.173 | 0.000 | 92 | 55750 | 20.0 | 19.2 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 99 | 270311 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.641 | 5.641 | 0.000 | 87 | 18286 | 500.0 | 478.9 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 99 | 65819 | 20.0 | 16.5 | |
| 65 Ethyl acrylate | 55 | 5.789 | 5.789 | 0.000 | 95 | 165173 | 20.0 | 18.7 | |
| 64 Methylcyclohexane | 83 | 5.789 | 5.789 | 0.000 | 88 | 131093 | 20.0 | 18.9 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 94 | 73322 | 20.0 | 17.7 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.019 | 6.019 | 0.000 | 0 | 8791 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.036 | 6.036 | 0.000 | 89 | 28288 | 40.0 | 35.7 | |
| 69 1,4-Dioxane | 88 | 6.085 | 6.085 | 0.000 | 28 | 5919 | 400.0 | 164.3 | |
| 70 n-Propyl acetate | 43 | 6.085 | 6.085 | 0.000 | 98 | 71121 | 20.0 | 17.7 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 98 | 38445 | 20.0 | 16.5 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 100 | 85443 | 20.0 | 16.6 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 77 | 34662 | 20.0 | 17.1 | |
| 73 2-Nitropropane | 41 | 6.570 | 6.570 | 0.000 | 80 | 23906 | 40.0 | 31.8 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 104445 | 400.0 | 295.7 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 91 | 99960 | 20.0 | 16.5 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.899 | 0.000 | 97 | 292603 | 100.0 | 75.1 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.973 | 6.973 | 0.000 | 99 | 262491 | 50.0 | 48.0 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 94 | 278245 | 20.0 | 17.0 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 97 | 82143 | 20.0 | 16.4 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 90 | 76595 | 20.0 | 18.3 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 96 | 47198 | 20.0 | 16.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 83 Tetrachloroethene | 166 | 7.663 | 7.663 | 0.000 | 97 | 67792 | 20.0 | 17.5 | |
| 84 1,3-Dichloropropane | 76 | 7.827 | 7.827 | 0.000 | 93 | 92342 | 20.0 | 17.7 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 96 | 154299 | 100.0 | 68.9 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 99 | 93954 | 20.0 | 18.8 | |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 98 | 55655 | 20.0 | 16.4 | |
| 88 Ethylene Dibromide | 107 | 8.221 | 8.221 | 0.000 | 99 | 48884 | 20.0 | 16.9 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 86 | 188236 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 95 | 170819 | 20.0 | 17.3 | |
| 91 Ethylbenzene | 106 | 8.895 | 8.895 | 0.000 | 98 | 100822 | 20.0 | 17.2 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 96 | 64489 | 20.0 | 17.1 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 125191 | 20.0 | 17.9 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 97 | 47513 | 20.0 | 17.0 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 94 | 128085 | 20.0 | 17.7 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 96 | 197164 | 20.0 | 18.2 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 92 | 111564 | 20.0 | 17.8 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 97 | 37461 | 20.0 | 18.1 | |
| 99 Isopropylbenzene | 105 | 9.848 | 9.848 | 0.000 | 96 | 332724 | 20.0 | 18.4 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 90 | 78353 | 50.0 | 50.4 | |
| 101 Bromobenzene | 156 | 10.152 | 10.152 | 0.000 | 99 | 77705 | 20.0 | 17.1 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.185 | 10.185 | 0.000 | 98 | 74639 | 20.0 | 16.8 | |
| 103 N-Propylbenzene | 91 | 10.202 | 10.202 | 0.000 | 99 | 389477 | 20.0 | 17.6 | |
| 104 1,2,3-Trichloropropane | 110 | 10.226 | 10.226 | 0.000 | 99 | 20784 | 20.0 | 17.2 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 77 | 10471 | 20.0 | 9.41 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 90 | 270066 | 20.0 | 17.4 | |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 89 | 327151 | 20.0 | 17.8 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.350 | 10.350 | 0.000 | 94 | 280109 | 20.0 | 17.3 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 237128 | 20.0 | 17.1 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 90 | 96668 | 20.0 | 17.3 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 95 | 217658 | 20.0 | 17.1 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 287462 | 20.0 | 17.6 | |
| 113 sec-Butylbenzene | 105 | 10.744 | 10.744 | 0.000 | 99 | 347100 | 20.0 | 17.8 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 98 | 300956 | 20.0 | 18.1 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 96 | 157415 | 20.0 | 17.6 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 93 | 110903 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 94 | 160119 | 20.0 | 17.6 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 97 | 302557 | 20.0 | 17.5 | |
| 118 Benzyl chloride | 91 | 11.023 | 11.023 | 0.000 | 99 | 154857 | 20.0 | 18.3 | |
| 119 2,3-Dihydroindene | 117 | 11.065 | 11.065 | 0.000 | 94 | 302485 | 20.0 | 18.0 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 95 | 171376 | 20.0 | 17.4 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 98 | 163654 | 20.0 | 18.1 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 96 | 156241 | 20.0 | 17.6 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.582 | 11.582 | 0.000 | 98 | 284990 | 20.0 | 17.7 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.656 | 11.656 | 0.000 | 96 | 13068 | 20.0 | 16.0 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.747 | 0.000 | 98 | 121733 | 20.0 | 17.9 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.149 | 12.149 | 0.000 | 94 | 107602 | 20.0 | 18.3 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.207 | 0.000 | 96 | 49370 | 20.0 | 18.2 | |
| 128 Naphthalene | 128 | 12.313 | 12.313 | 0.000 | 99 | 239397 | 20.0 | 17.9 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.478 | 12.478 | 0.000 | 96 | 97679 | 20.0 | 18.0 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 34.8 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 40.0 | 35.7 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00011 | Amount Added: | 5.00 | Units: uL | Run Reagent |

Report Date: 26-Jun-2018 14:54:39 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66695.D

Injection Date: 24-Jun-2018 09:06:30 Instrument ID: CVOAMS6 Operator ID:

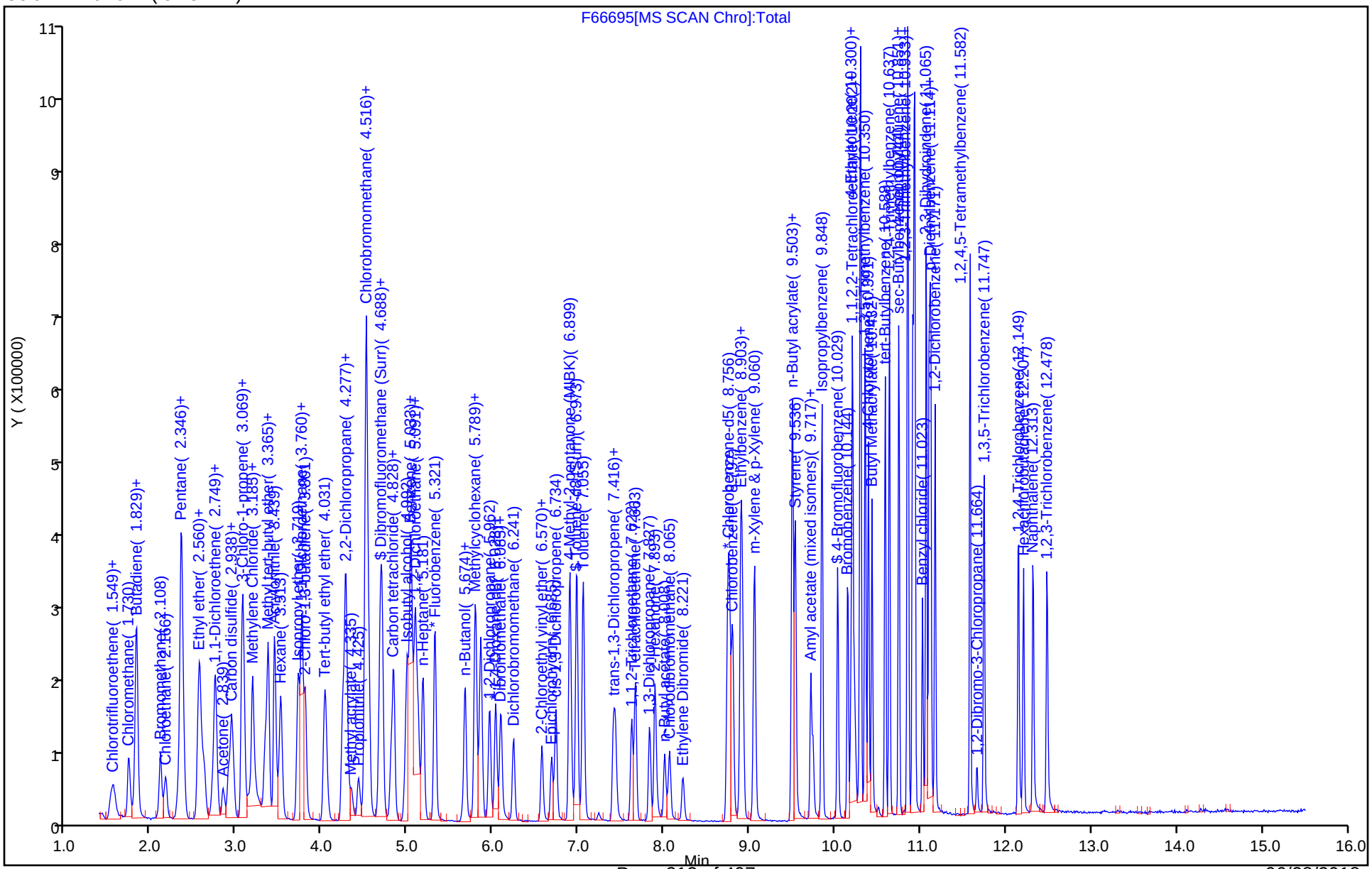
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

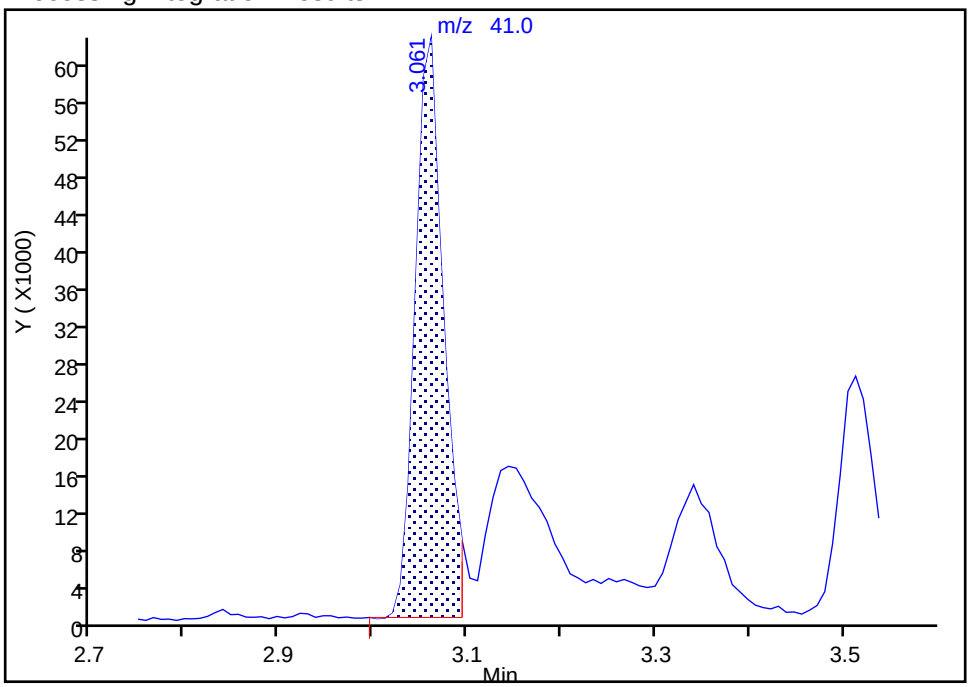
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66695.D
Injection Date: 24-Jun-2018 09:06:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 25 Acetonitrile, CAS: 75-05-8

Signal: 1

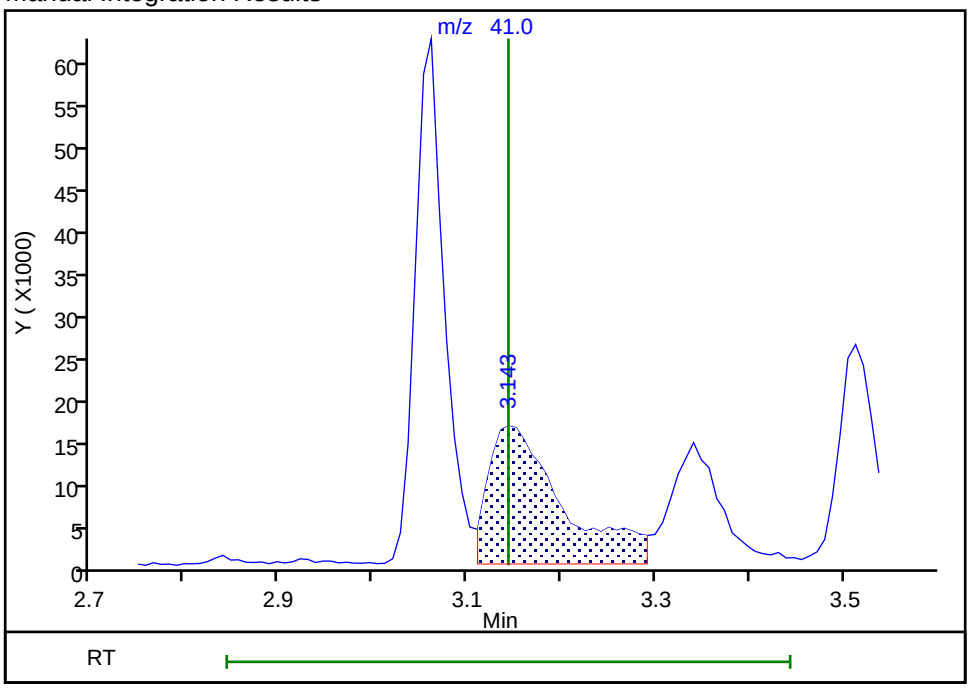
Processing Integration Results

RT: 3.06
Area: 130744
Amount: 332.7124
Amount Units: ug/l




Manual Integration Results

RT: 3.14
Area: 90201
Amount: 230.6731
Amount Units: ug/l




Reviewer: xuyvo, 26-Jun-2018 14:53:39
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

TestAmerica Edison

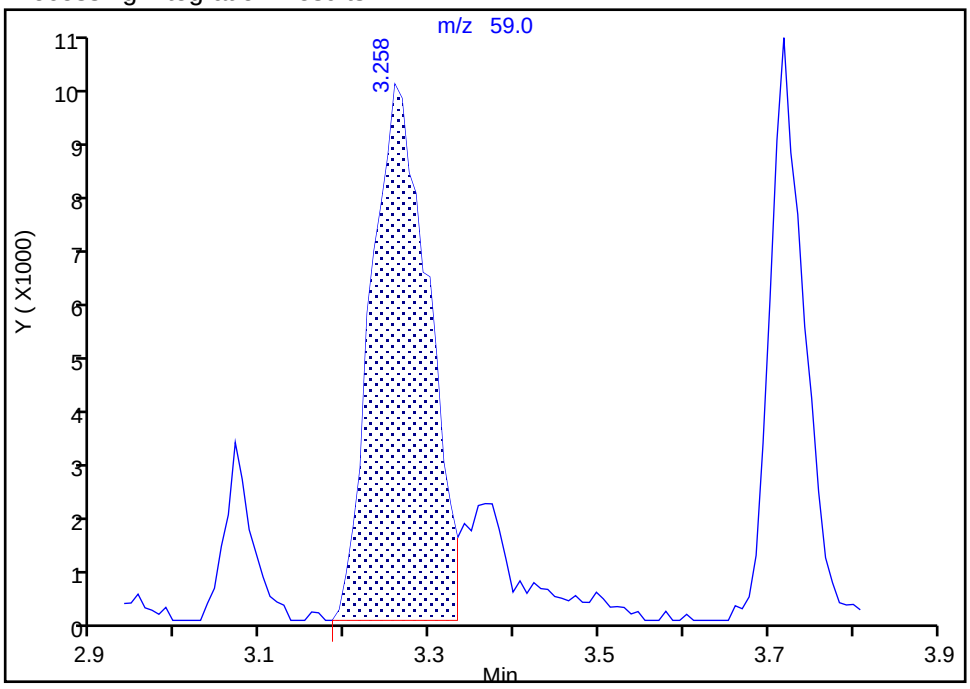
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66695.D
Injection Date: 24-Jun-2018 09:06:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Signal: 1

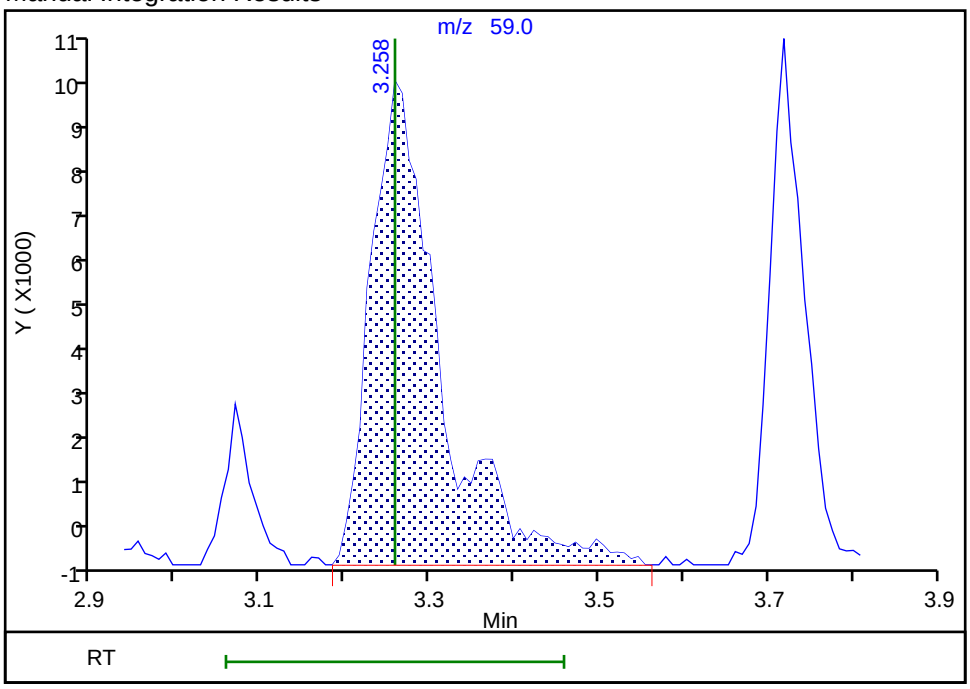
Processing Integration Results

RT: 3.26
Area: 46225
Amount: 168.3675
Amount Units: ug/l




Manual Integration Results

RT: 3.26
Area: 56518
Amount: 205.8581
Amount Units: ug/l




Reviewer: xuyvo, 26-Jun-2018 14:54:32
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

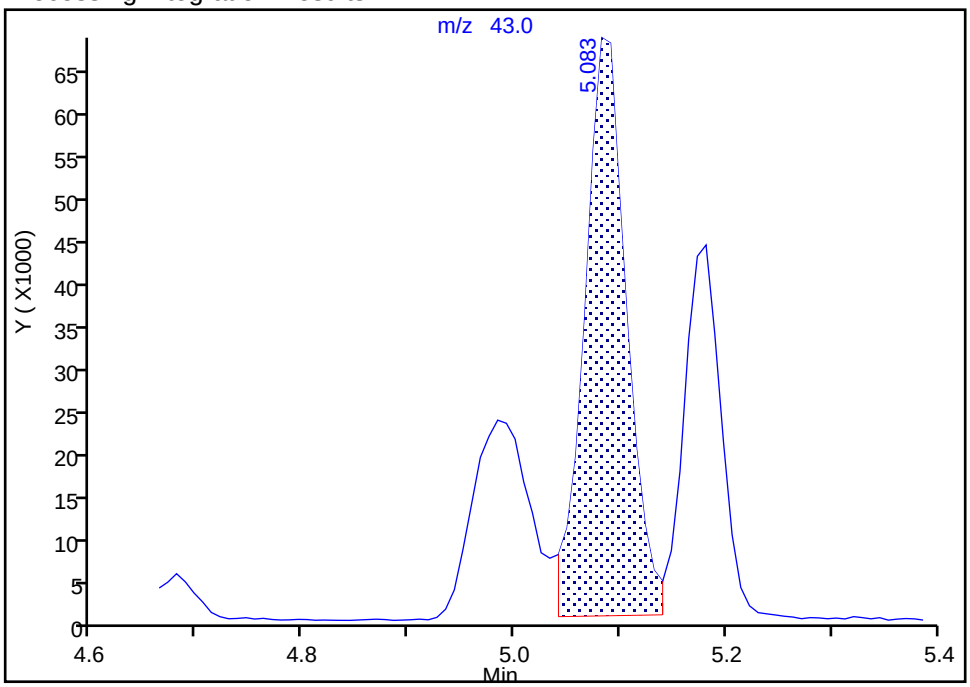
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66695.D
Injection Date: 24-Jun-2018 09:06:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

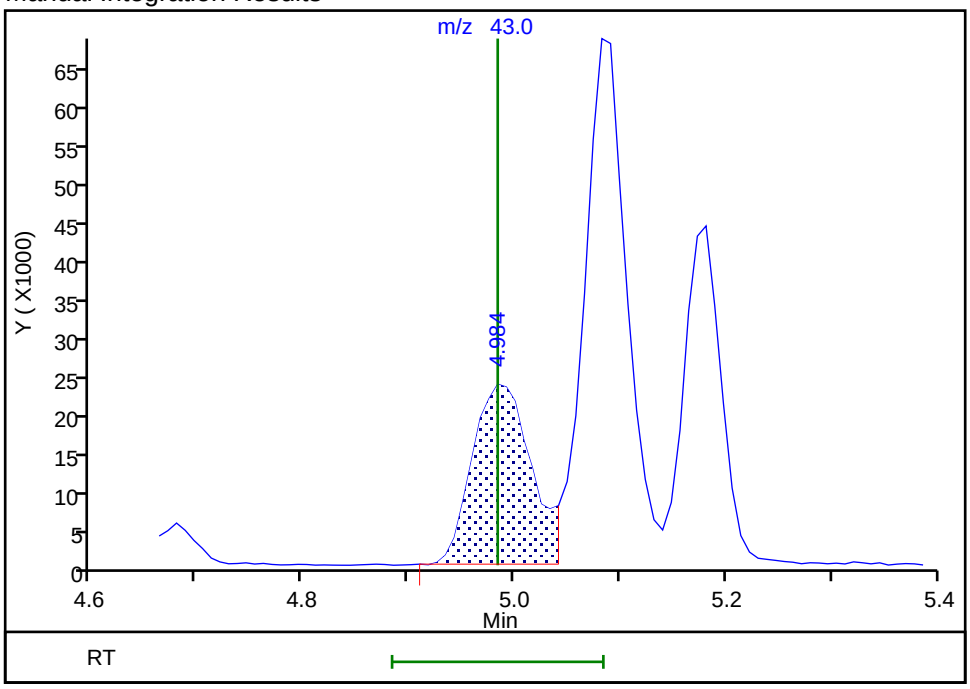
Processing Integration Results

RT: 5.08
Area: 188010
Amount: 1010.0650
Amount Units: ug/l




Manual Integration Results

RT: 4.98
Area: 90911
Amount: 488.4103
Amount Units: ug/l




Reviewer: starzecm, 24-Jun-2018 09:31:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54971.D | | | | |
| Lims ID: | BFB | | | | |
| Client ID: | | | | | |
| Sample Type: | BFB | | | | |
| Inject. Date: | 01-May-2018 22:28:30 | ALS Bottle#: | 100 | Worklist Smp#: | 1 |
| Injection Vol: | 5.0 mL | Dil. Factor: | 1.0000 | | |
| Sample Info: | BFB | | | | |
| Misc. Info.: | 460-0071367-001 | | | | |
| Operator ID: | VOA GC/MS1 | Instrument ID: | CVOAMS1 | | |
| Method: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\8260624W_1.m | | | | |
| Limit Group: | VOA - 8260C Water and Solid | | | | |
| Last Update: | 02-May-2018 18:47:04 | Calib Date: | 02-May-2018 01:47:30 | | |
| Integrator: | RTE | ID Type: | Deconvolution ID | | |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration | | |
| Last ICal File: | \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D | | | | |
| Column 1 : | Rtx-624 ( 0.25 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 |
|---|---|---|---|---|---|---|---|---|---|
| $ 137 BFB | 95 | 2.710 | 2.710 | 0.000 | 91 | 34952 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

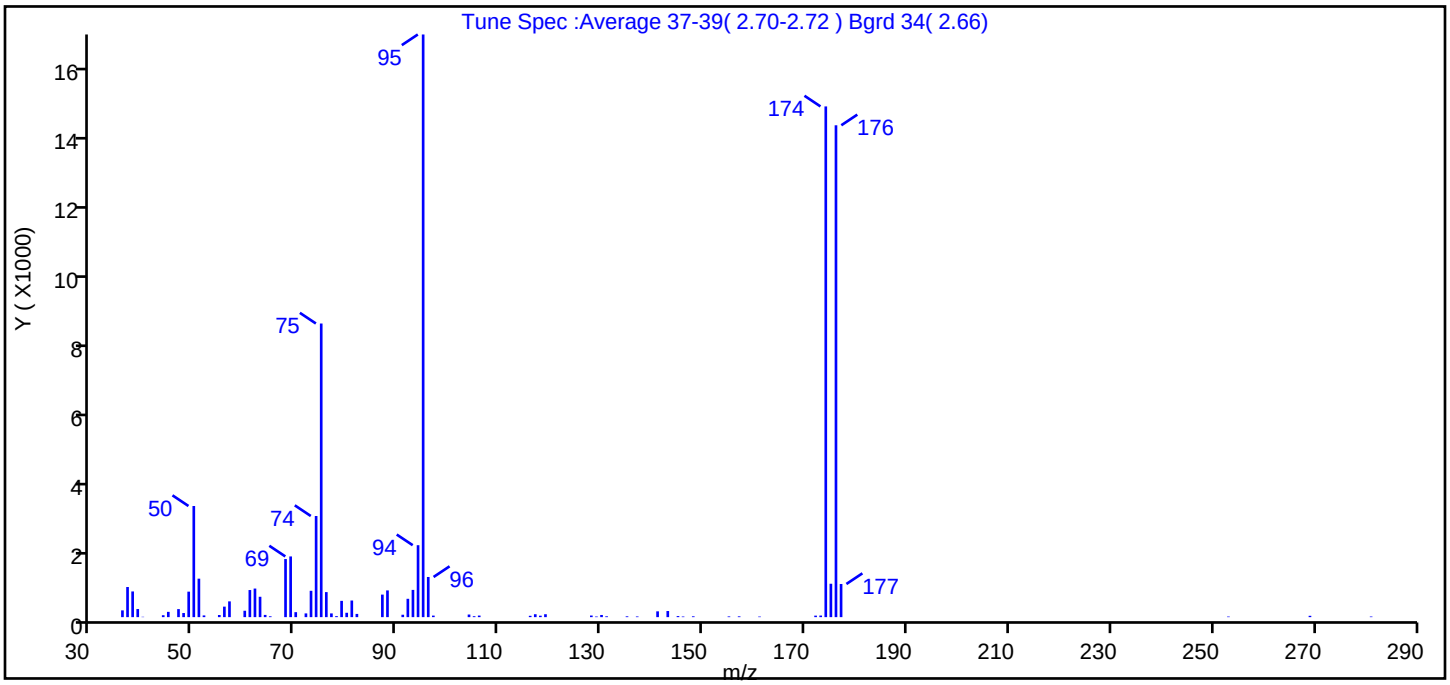
BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54971.D
Injection Date: 01-May-2018 22:28:30 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 - 8260C Water and Solid
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 | 19.1 |
| 75 | 30 to 60% of m/z 95 | 50.4 |
| 96 | 5 to 9% of m/z 95 | 6.9 |
| 173 | Less than 2% of m/z 174 | 0.3 (0.3) |
| 174 | 50 to 120% of m/z 95 | 87.7 |
| 175 | 5 to 9% of m/z 174 | 5.7 (6.5) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 84.4 (96.3) |
| 177 | 5 to 9% of m/z 176 | 5.7 (6.7) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54971.D\8260624W_1.rslt\spectra.d
Injection Date: 01-May-2018 22:28:30
Spectrum: Tune Spec :Average 37-39( 2.70-2.72 ) Bgrd 34( 2.66)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 75

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 197 | 63.00 | 593 | 91.00 | 70 | 137.00 | 20 |
| 37.00 | 877 | 64.00 | 65 | 92.00 | 534 | 141.00 | 169 |
| 38.00 | 748 | 65.00 | 24 | 93.00 | 793 | 143.00 | 178 |
| 39.00 | 236 | 68.00 | 1691 | 94.00 | 2094 | 145.00 | 31 |
| 40.00 | 10 | 69.00 | 1767 | 95.00 | 16960 | 146.00 | 18 |
| 44.00 | 56 | 70.00 | 145 | 96.00 | 1169 | 148.00 | 24 |
| 45.00 | 154 | 72.00 | 109 | 97.00 | 45 | 155.00 | 21 |
| 47.00 | 234 | 73.00 | 767 | 104.00 | 76 | 157.00 | 23 |
| 48.00 | 120 | 74.00 | 2944 | 105.00 | 27 | 161.00 | 17 |
| 49.00 | 742 | 75.00 | 8547 | 106.00 | 46 | 172.00 | 44 |
| 50.00 | 3235 | 76.00 | 729 | 116.00 | 39 | 173.00 | 46 |
| 51.00 | 1120 | 77.00 | 109 | 117.00 | 85 | 174.00 | 14866 |
| 52.00 | 50 | 78.00 | 29 | 118.00 | 42 | 175.00 | 972 |
| 55.00 | 62 | 79.00 | 474 | 119.00 | 85 | 176.00 | 14317 |
| 56.00 | 306 | 80.00 | 127 | 128.00 | 47 | 177.00 | 965 |
| 57.00 | 459 | 81.00 | 484 | 129.00 | 18 | 253.00 | 17 |
| 60.00 | 186 | 82.00 | 94 | 130.00 | 63 | 269.00 | 39 |
| 61.00 | 789 | 87.00 | 656 | 131.00 | 24 | 281.00 | 18 |
| 62.00 | 832 | 88.00 | 778 | 135.00 | 24 | | |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57696.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Jun-2018 06:09:30 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0074307-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Jun-2018 09:47:02 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

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

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 137 BFB | 95 | 2.698 | 2.698 | 0.000 | 94 | 26205 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

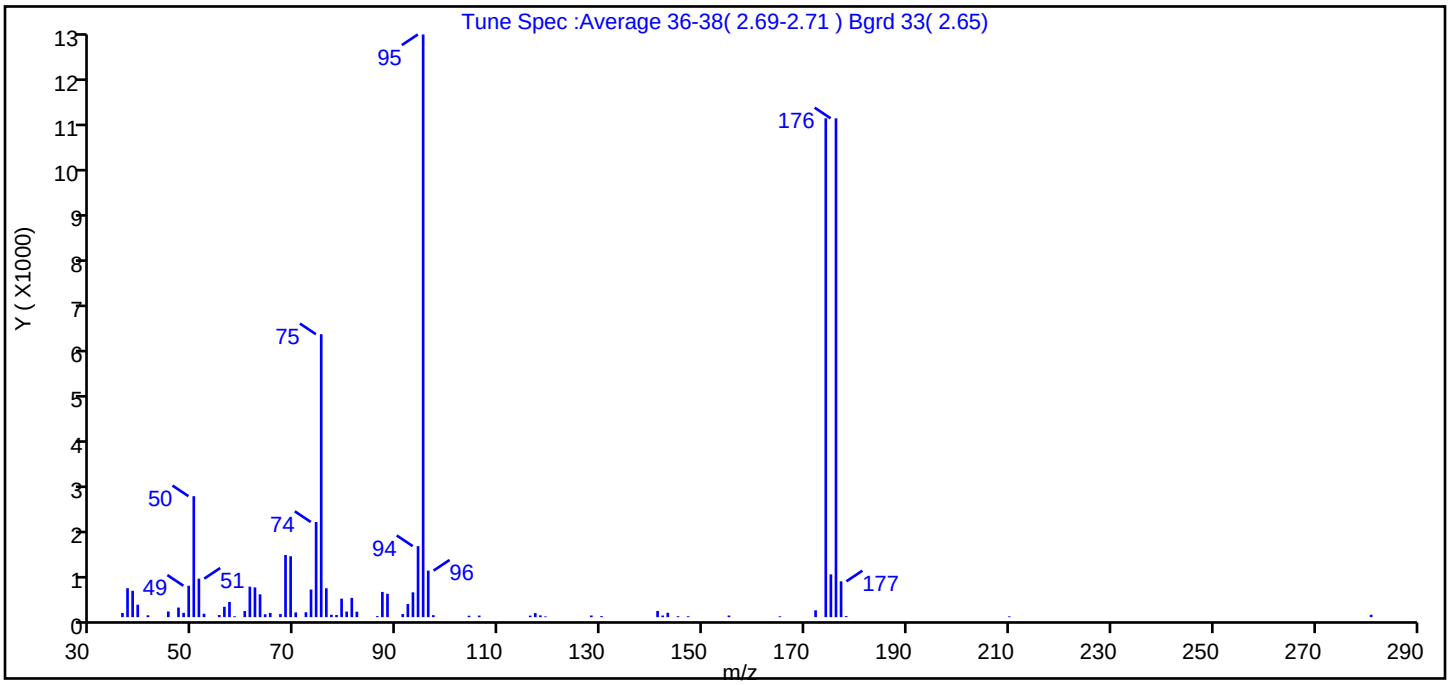
BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57696.D
Injection Date: 25-Jun-2018 06:09:30 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 - 8260C Water and Solid
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 | 20.8 |
| 75 | 30 to 60% of m/z 95 | 48.6 |
| 96 | 5 to 9% of m/z 95 | 8.0 |
| 173 | Less than 2% of m/z 174 | 0.0 (0.0) |
| 174 | 50 to 120% of m/z 95 | 85.6 |
| 175 | 5 to 9% of m/z 174 | 7.3 (8.6) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 85.6 (100.0) |
| 177 | 5 to 9% of m/z 176 | 6.1 (7.2) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57696.D\8260624W_1.rslt\spectra.d
Injection Date: 25-Jun-2018 06:09:30
Spectrum: Tune Spec :Average 36-38( 2.69-2.71 ) Bgrd 33( 2.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 70

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 91 | 62.00 | 647 | 82.00 | 119 | 130.00 | 22 |
| 37.00 | 630 | 63.00 | 496 | 86.00 | 22 | 141.00 | 134 |
| 38.00 | 573 | 64.00 | 63 | 87.00 | 549 | 142.00 | 35 |
| 39.00 | 271 | 65.00 | 92 | 88.00 | 509 | 143.00 | 95 |
| 41.00 | 40 | 67.00 | 67 | 91.00 | 66 | 145.00 | 20 |
| 45.00 | 123 | 68.00 | 1351 | 92.00 | 286 | 147.00 | 19 |
| 47.00 | 209 | 69.00 | 1325 | 93.00 | 540 | 155.00 | 35 |
| 48.00 | 93 | 70.00 | 103 | 94.00 | 1545 | 165.00 | 18 |
| 49.00 | 683 | 72.00 | 107 | 95.00 | 12675 | 172.00 | 149 |
| 50.00 | 2631 | 73.00 | 601 | 96.00 | 1012 | 174.00 | 10851 |
| 51.00 | 837 | 74.00 | 2070 | 97.00 | 43 | 175.00 | 930 |
| 52.00 | 74 | 75.00 | 6155 | 104.00 | 31 | 176.00 | 10851 |
| 55.00 | 46 | 76.00 | 628 | 106.00 | 34 | 177.00 | 779 |
| 56.00 | 225 | 77.00 | 52 | 116.00 | 33 | 178.00 | 23 |
| 57.00 | 331 | 78.00 | 46 | 117.00 | 88 | 210.00 | 17 |
| 58.00 | 19 | 79.00 | 402 | 118.00 | 39 | 281.00 | 52 |
| 60.00 | 133 | 80.00 | 122 | 119.00 | 16 | | |
| 61.00 | 663 | 81.00 | 419 | 128.00 | 36 | | |

TestAmerica Edison
Target Compound Quantitation Report

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65703.D | | | | |
| Lims ID: | BFB | | | | |
| Client ID: | | | | | |
| Sample Type: | BFB | | | | |
| Inject. Date: | 05-Jun-2018 01:01:30 | ALS Bottle#: | 99 | Worklist Smp#: | 1 |
| Injection Vol: | 5.0 mL | Dil. Factor: | 1.0000 | | |
| Sample Info: | BFB | | | | |
| Misc. Info.: | 460-0073199-001 | | | | |
| Operator ID: | | Instrument ID: | CVOAMS6 | | |
| Method: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\8260624W6.m | | | | |
| Limit Group: | VOA - 8260C Water and Solid | | | | |
| Last Update: | 06-Jun-2018 12:17:12 | Calib Date: | 05-Jun-2018 05:09:30 | | |
| Integrator: | RTE | ID Type: | Deconvolution ID | | |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration | | |
| Last ICal File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D | | | | |
| Column 1 : | Rtx-624 ( 0.25 mm) | | Det: MS SCAN | | |
| Process Host: | XAWRK029 | | | | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 133 BFB | 95 | 3.408 | 3.408 | 0.000 | 86 | 80797 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

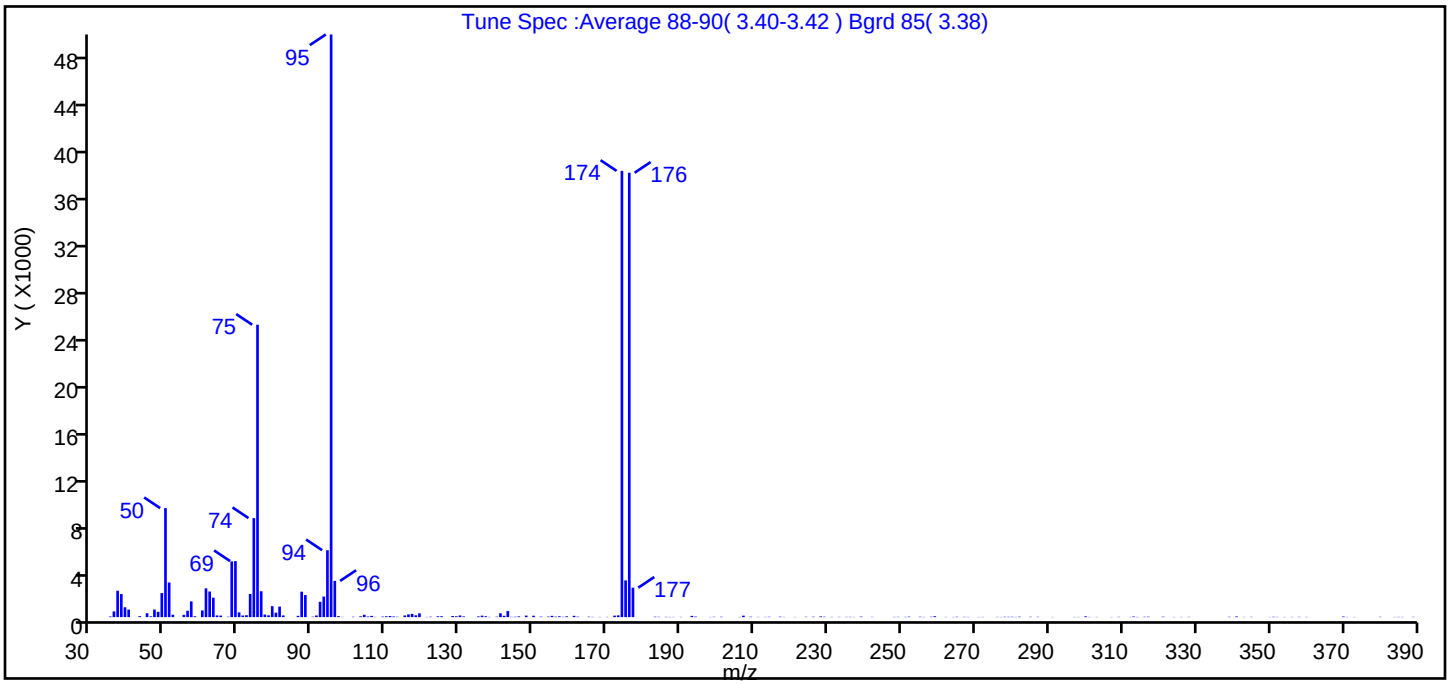
BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65703.D
Injection Date: 05-Jun-2018 01:01:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 133 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base peak, 100% relative abundance | 100.0 |
| 50 | 15 to 40% of m/z 95 | 18.7 |
| 75 | 30 to 60% of m/z 95 | 50.2 |
| 96 | 5 to 9% of m/z 95 | 6.2 |
| 173 | Less than 2% of m/z 174 | 0.3 (0.4) |
| 174 | 50 to 120% of m/z 95 | 76.6 |
| 175 | 5 to 9% of m/z 174 | 6.3 (8.2) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 76.3 (99.6) |
| 177 | 5 to 9% of m/z 176 | 5.1 (6.6) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65703.D\8260624W6.rslt\spectra.d
Injection Date: 05-Jun-2018 01:01:30
Spectrum: Tune Spec :Average 88-90( 3.40-3.42 ) Bgrd 85( 3.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 201

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.00 | 55 | 96.00 | 3072 | 168.00 | 18 | 268.00 | 20 |
| 36.00 | 487 | 97.00 | 85 | 170.00 | 22 | 271.00 | 17 |
| 37.00 | 2238 | 98.00 | 22 | 172.00 | 128 | 272.00 | 19 |
| 38.00 | 1957 | 101.00 | 33 | 173.00 | 152 | 276.00 | 23 |
| 39.00 | 839 | 103.00 | 70 | 174.00 | 37824 | 277.00 | 18 |
| 40.00 | 641 | 104.00 | 202 | 175.00 | 3114 | 278.00 | 32 |
| 43.00 | 83 | 105.00 | 52 | 176.00 | 37664 | 279.00 | 29 |
| 44.00 | 3 | 106.00 | 106 | 177.00 | 2498 | 280.00 | 32 |
| 45.00 | 333 | 107.00 | 20 | 183.00 | 38 | 281.00 | 18 |
| 46.00 | 68 | 109.00 | 43 | 184.00 | 29 | 282.00 | 39 |
| 47.00 | 645 | 110.00 | 72 | 186.00 | 25 | 285.00 | 30 |
| 48.00 | 452 | 111.00 | 99 | 187.00 | 17 | 287.00 | 29 |
| 49.00 | 2042 | 112.00 | 56 | 188.00 | 18 | 291.00 | 17 |
| 50.00 | 9241 | 113.00 | 30 | 190.00 | 21 | 297.00 | 18 |
| 51.00 | 2936 | 115.00 | 142 | 193.00 | 107 | 298.00 | 20 |
| 52.00 | 200 | 116.00 | 234 | 194.00 | 46 | 300.00 | 66 |
| 55.00 | 198 | 117.00 | 280 | 198.00 | 18 | 301.00 | 18 |
| 56.00 | 546 | 118.00 | 156 | 199.00 | 30 | 303.00 | 19 |
| 57.00 | 1336 | 119.00 | 322 | 201.00 | 33 | 307.00 | 17 |
| 58.00 | 76 | 121.00 | 19 | 206.00 | 21 | 309.00 | 25 |
| 60.00 | 570 | 122.00 | 38 | 207.00 | 126 | 312.00 | 18 |
| 61.00 | 2440 | 124.00 | 71 | 209.00 | 38 | 313.00 | 52 |
| 62.00 | 2174 | 125.00 | 76 | 211.00 | 20 | 314.00 | 19 |
| 63.00 | 1647 | 128.00 | 95 | 213.00 | 19 | 316.00 | 30 |
| 64.00 | 144 | 129.00 | 75 | 214.00 | 32 | 317.00 | 37 |
| 65.00 | 132 | 130.00 | 143 | 217.00 | 39 | 321.00 | 37 |
| 67.00 | 36 | 131.00 | 62 | 218.00 | 19 | 324.00 | 18 |
| 68.00 | 4724 | 135.00 | 62 | 221.00 | 17 | 326.00 | 19 |
| 69.00 | 4750 | 136.00 | 127 | 224.00 | 32 | 328.00 | 25 |
| 70.00 | 403 | 137.00 | 72 | 226.00 | 35 | 339.00 | 33 |
| 71.00 | 139 | 138.00 | 22 | 228.00 | 61 | 341.00 | 57 |
| 72.00 | 165 | 140.00 | 37 | 229.00 | 36 | 343.00 | 19 |
| 73.00 | 1967 | 141.00 | 326 | 231.00 | 21 | 345.00 | 25 |

Report Date: 06-Jun-2018 12:17:14 Chrom Revision: 2.2 11-May-2018 08:54:46
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65703.D\8260624W6.rslt\spectra.d
Injection Date: 05-Jun-2018 01:01:30
Spectrum: Tune Spec :Average 88-90( 3.40-3.42 ) Bgrd 85( 3.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 201

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 74.00 | 8395 | 142.00 | 116 | 233.00 | 25 | 350.00 | 17 |
| 75.00 | 24784 | 143.00 | 516 | 235.00 | 22 | 351.00 | 31 |
| 76.00 | 2196 | 144.00 | 24 | 236.00 | 26 | 352.00 | 22 |
| 77.00 | 223 | 145.00 | 36 | 237.00 | 19 | 354.00 | 17 |
| 78.00 | 152 | 146.00 | 65 | 239.00 | 45 | 356.00 | 19 |
| 79.00 | 929 | 148.00 | 132 | 242.00 | 24 | 358.00 | 27 |
| 80.00 | 380 | 150.00 | 120 | 248.00 | 21 | 360.00 | 21 |
| 81.00 | 896 | 152.00 | 41 | 249.00 | 26 | 370.00 | 52 |
| 82.00 | 145 | 154.00 | 46 | 251.00 | 23 | 371.00 | 20 |
| 86.00 | 111 | 155.00 | 109 | 252.00 | 43 | 373.00 | 17 |
| 87.00 | 2158 | 156.00 | 41 | 255.00 | 34 | 380.00 | 28 |
| 88.00 | 1873 | 157.00 | 73 | 256.00 | 20 | 384.00 | 17 |
| 90.00 | 38 | 158.00 | 26 | 258.00 | 34 | 385.00 | 23 |
| 91.00 | 140 | 159.00 | 70 | 259.00 | 77 | 386.00 | 19 |
| 92.00 | 1300 | 161.00 | 111 | 262.00 | 19 | 389.00 | 26 |
| 93.00 | 1743 | 162.00 | 40 | 264.00 | 19 | | |
| 94.00 | 5675 | 165.00 | 39 | 265.00 | 33 | | |
| 95.00 | 49384 | 166.00 | 22 | 267.00 | 26 | | |

TestAmerica Edison
Target Compound Quantitation Report

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66664.D | | | | |
| Lims ID: | BFB | | | | |
| Client ID: | | | | | |
| Sample Type: | BFB | | | | |
| Inject. Date: | 23-Jun-2018 20:05:30 | ALS Bottle#: | 100 | Worklist Smp#: | 1 |
| Injection Vol: | 5.0 mL | Dil. Factor: | 1.0000 | | |
| Sample Info: | BFB | | | | |
| Misc. Info.: | 460-0074255-001 | | | | |
| Operator ID: | | Instrument ID: | CVOAMS6 | | |
| Method: | \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\8260624W6.m | | | | |
| Limit Group: | VOA - 8260C Water and Solid | | | | |
| Last Update: | 24-Jun-2018 12:10:02 | Calib Date: | 05-Jun-2018 05:09:30 | | |
| Integrator: | RTE | ID Type: | Deconvolution ID | | |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration | | |
| Last ICal File: | \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D | | | | |
| Column 1 : | Rtx-624 ( 0.25 mm) | | Det: MS SCAN | | |
| Process Host: | XAWRK012 | | | | |
| First Level Reviewer: starzecm | | Date: | 24-Jun-2018 08:27:37 | | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 133 BFB | 95 | 3.392 | 3.392 | 0.000 | 89 | 46951 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

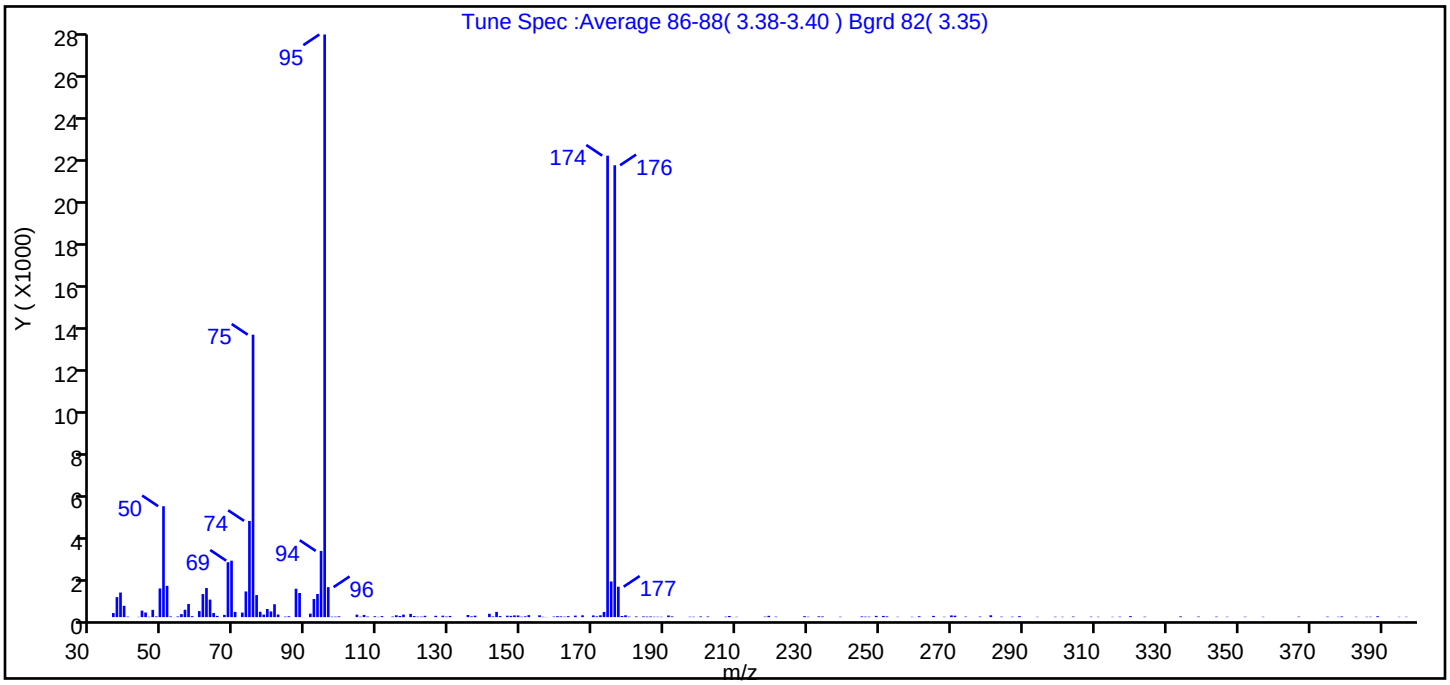
BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66664.D
Injection Date: 23-Jun-2018 20:05:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 133 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 | 48.5 |
| 96 | 5 to 9% of m/z 95 | 5.2 |
| 173 | Less than 2% of m/z 174 | 0.9 (1.1) |
| 174 | 50 to 120% of m/z 95 | 79.2 |
| 175 | 5 to 9% of m/z 174 | 6.1 (7.7) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 77.6 (97.9) |
| 177 | 5 to 9% of m/z 176 | 5.2 (6.7) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66664.D\8260624W6.rslt\spectra.d
Injection Date: 23-Jun-2018 20:05:30
Spectrum: Tune Spec :Average 86-88( 3.38-3.40 ) Bgrd 82( 3.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 182

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 195 | 89.00 | 5 | 157.00 | 7 | 247.00 | 23 |
| 37.00 | 950 | 91.00 | 167 | 159.00 | 26 | 249.00 | 60 |
| 38.00 | 1167 | 92.00 | 862 | 160.00 | 46 | 251.00 | 58 |
| 39.00 | 538 | 93.00 | 1099 | 161.00 | 35 | 252.00 | 36 |
| 40.00 | 25 | 94.00 | 3143 | 162.00 | 21 | 255.00 | 17 |
| 43.00 | 13 | 95.00 | 27656 | 163.00 | 49 | 259.00 | 17 |
| 44.00 | 310 | 96.00 | 1425 | 165.00 | 72 | 260.00 | 4 |
| 45.00 | 220 | 97.00 | 22 | 167.00 | 87 | 261.00 | 42 |
| 46.00 | 18 | 98.00 | 23 | 170.00 | 82 | 265.00 | 59 |
| 47.00 | 346 | 99.00 | 39 | 171.00 | 38 | 268.00 | 18 |
| 48.00 | 33 | 104.00 | 119 | 172.00 | 88 | 270.00 | 82 |
| 49.00 | 1361 | 105.00 | 21 | 173.00 | 247 | 271.00 | 70 |
| 50.00 | 5265 | 106.00 | 104 | 174.00 | 21904 | 274.00 | 26 |
| 51.00 | 1485 | 107.00 | 27 | 175.00 | 1694 | 278.00 | 27 |
| 52.00 | 33 | 109.00 | 43 | 176.00 | 21448 | 281.00 | 89 |
| 53.00 | 2 | 110.00 | 13 | 177.00 | 1445 | 284.00 | 23 |
| 54.00 | 32 | 111.00 | 48 | 178.00 | 55 | 287.00 | 21 |
| 55.00 | 142 | 114.00 | 29 | 179.00 | 88 | 289.00 | 46 |
| 56.00 | 351 | 115.00 | 90 | 180.00 | 26 | 294.00 | 17 |
| 57.00 | 625 | 116.00 | 56 | 182.00 | 34 | 299.00 | 21 |
| 58.00 | 47 | 117.00 | 120 | 184.00 | 34 | 301.00 | 18 |
| 60.00 | 287 | 119.00 | 155 | 185.00 | 27 | 304.00 | 28 |
| 61.00 | 1097 | 120.00 | 52 | 186.00 | 32 | 309.00 | 22 |
| 62.00 | 1383 | 121.00 | 24 | 187.00 | 19 | 311.00 | 18 |
| 63.00 | 832 | 122.00 | 24 | 188.00 | 18 | 315.00 | 16 |
| 64.00 | 195 | 123.00 | 64 | 189.00 | 17 | 317.00 | 22 |
| 65.00 | 59 | 126.00 | 63 | 191.00 | 79 | 320.00 | 48 |
| 67.00 | 107 | 128.00 | 69 | 192.00 | 36 | 324.00 | 22 |
| 68.00 | 2607 | 129.00 | 27 | 197.00 | 20 | 334.00 | 37 |
| 69.00 | 2680 | 130.00 | 58 | 198.00 | 19 | 339.00 | 27 |
| 70.00 | 249 | 135.00 | 101 | 200.00 | 34 | 344.00 | 25 |
| 72.00 | 216 | 136.00 | 36 | 202.00 | 31 | 347.00 | 19 |
| 73.00 | 1219 | 137.00 | 70 | 207.00 | 23 | 352.00 | 21 |

Report Date: 24-Jun-2018 12:10:02 Chrom Revision: 2.2 07-Jun-2018 07:41:54
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66664.D\8260624W6.rslt\spectra.d
Injection Date: 23-Jun-2018 20:05:30
Spectrum: Tune Spec :Average 86-88( 3.38-3.40 ) Bgrd 82( 3.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 182

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 74.00 | 4567 | 141.00 | 159 | 208.00 | 54 | 357.00 | 18 |
| 75.00 | 13407 | 142.00 | 32 | 209.00 | 5 | 367.00 | 25 |
| 76.00 | 1047 | 143.00 | 248 | 210.00 | 17 | 375.00 | 24 |
| 77.00 | 257 | 144.00 | 51 | 218.00 | 24 | 378.00 | 17 |
| 78.00 | 120 | 146.00 | 69 | 219.00 | 63 | 379.00 | 33 |
| 79.00 | 386 | 147.00 | 62 | 221.00 | 24 | 383.00 | 19 |
| 80.00 | 270 | 148.00 | 84 | 229.00 | 46 | 386.00 | 18 |
| 81.00 | 613 | 149.00 | 80 | 230.00 | 20 | 387.00 | 18 |
| 82.00 | 124 | 150.00 | 20 | 233.00 | 39 | 389.00 | 43 |
| 84.00 | 25 | 151.00 | 39 | 234.00 | 33 | 395.00 | 16 |
| 85.00 | 41 | 152.00 | 96 | 239.00 | 20 | 397.00 | 18 |
| 87.00 | 1347 | 155.00 | 88 | 245.00 | 35 | | |
| 88.00 | 1146 | 156.00 | 17 | 246.00 | 24 | | |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66693.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Jun-2018 08:21:30 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0074278-001
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Jun-2018 11:10:36 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: starzecm Date: 24-Jun-2018 11:10:36

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 133 BFB | 95 | 3.400 | 3.400 | 0.000 | 92 | 62709 | NR | NR | a |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

## Reagents:

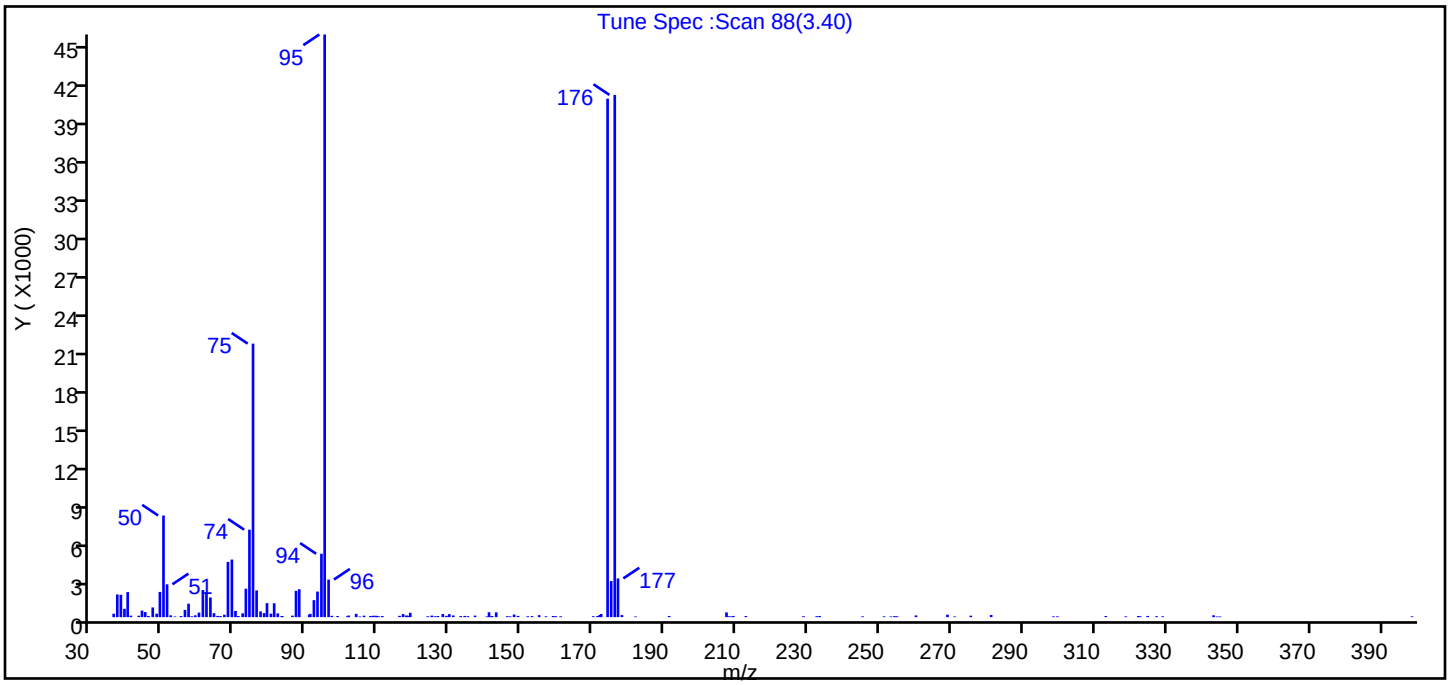
BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66693.D
Injection Date: 24-Jun-2018 08:21:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 133 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base peak, 100% relative abundance | 100.0 |
| 50 | 15 to 40% of m/z 95 | 17.4 |
| 75 | 30 to 60% of m/z 95 | 46.9 |
| 96 | 5 to 9% of m/z 95 | 6.4 |
| 173 | Less than 2% of m/z 174 | 0.0 (0.0) |
| 174 | 50 to 120% of m/z 95 | 89.0 |
| 175 | 5 to 9% of m/z 174 | 6.2 (7.0) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 89.6 (100.7) |
| 177 | 5 to 9% of m/z 176 | 6.6 (7.4) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66693.D\8260624W6.rslt\spectra.d
Injection Date: 24-Jun-2018 08:21:30
Spectrum: Tune Spec :Scan 88(3.40)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 145

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.10 | 271 | 75.00 | 21472 | 118.90 | 344 | 178.00 | 160 |
| 37.10 | 1780 | 76.00 | 2097 | 123.80 | 70 | 181.80 | 55 |
| 38.10 | 1752 | 77.10 | 453 | 124.90 | 121 | 191.20 | 93 |
| 39.10 | 657 | 78.10 | 316 | 125.80 | 67 | 207.20 | 374 |
| 40.00 | 1967 | 78.90 | 1100 | 126.60 | 91 | 207.80 | 65 |
| 40.90 | 118 | 80.00 | 274 | 128.00 | 247 | 208.40 | 57 |
| 43.10 | 113 | 80.90 | 1091 | 129.00 | 107 | 209.10 | 96 |
| 44.00 | 513 | 81.90 | 293 | 129.80 | 236 | 212.60 | 86 |
| 44.90 | 398 | 83.00 | 81 | 130.90 | 132 | 228.70 | 73 |
| 45.80 | 97 | 83.20 | 77 | 133.00 | 86 | 232.40 | 72 |
| 47.00 | 762 | 86.00 | 118 | 134.10 | 96 | 233.20 | 93 |
| 48.10 | 272 | 87.00 | 2065 | 135.00 | 76 | 245.20 | 64 |
| 49.00 | 1980 | 87.90 | 2192 | 137.00 | 121 | 251.20 | 63 |
| 50.00 | 7979 | 90.70 | 205 | 140.30 | 57 | 253.10 | 56 |
| 51.00 | 2578 | 91.00 | 257 | 140.90 | 382 | 254.10 | 80 |
| 52.00 | 141 | 92.00 | 1334 | 141.60 | 67 | 254.80 | 70 |
| 53.20 | 51 | 93.00 | 2007 | 141.80 | 73 | 260.10 | 134 |
| 54.90 | 88 | 94.10 | 4977 | 142.90 | 376 | 268.90 | 193 |
| 56.00 | 572 | 95.00 | 45744 | 146.00 | 75 | 270.90 | 57 |
| 57.00 | 1056 | 96.10 | 2950 | 146.80 | 60 | 275.40 | 115 |
| 57.90 | 67 | 97.00 | 104 | 147.90 | 205 | 281.10 | 167 |
| 58.90 | 140 | 98.60 | 86 | 149.00 | 99 | 298.50 | 60 |
| 59.90 | 357 | 101.30 | 61 | 151.70 | 69 | 299.60 | 65 |
| 61.00 | 2126 | 101.70 | 128 | 152.90 | 79 | 313.10 | 88 |
| 62.00 | 1928 | 103.80 | 259 | 154.90 | 156 | 318.70 | 63 |
| 63.10 | 1546 | 104.80 | 51 | 156.80 | 69 | 322.20 | 93 |
| 64.10 | 311 | 106.00 | 115 | 158.80 | 89 | 322.70 | 65 |
| 65.10 | 98 | 107.80 | 94 | 159.50 | 78 | 324.80 | 94 |
| 65.90 | 83 | 108.60 | 111 | 160.90 | 67 | 327.30 | 75 |
| 67.00 | 188 | 109.30 | 108 | 170.00 | 71 | 329.00 | 68 |
| 68.00 | 4337 | 109.60 | 92 | 171.20 | 87 | 343.20 | 146 |
| 69.10 | 4522 | 110.10 | 63 | 171.80 | 169 | 344.20 | 51 |
| 70.10 | 490 | 111.10 | 89 | 172.20 | 248 | 345.00 | 53 |

Report Date: 24-Jun-2018 11:10:36 Chrom Revision: 2.2 07-Jun-2018 07:41:54
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66693.D\8260624W6.rslt\spectra.d
Injection Date: 24-Jun-2018 08:21:30
Spectrum: Tune Spec :Scan 88(3.40)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 145

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 70.90 | 87 | 115.90 | 103 | 174.00 | 40704 | 398.60 | 61 |
| 72.10 | 299 | 116.90 | 242 | 175.00 | 2833 | | |
| 73.00 | 2232 | 117.80 | 131 | 176.00 | 41000 | | |
| 74.00 | 6868 | 118.30 | 106 | 176.90 | 3040 | | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-530435/8

Matrix: Water | Lab File ID: F66671.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/23/2018 23:22

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.: 530435 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.441 | J | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-530435/8

Matrix: Water  Lab File ID: F66671.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/23/2018 23:22

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.: 530435  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 102 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 108 | | 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.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-530435/8

Matrix: Water  Lab File ID: F66671.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/23/2018 23:22

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.: 530435  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\CVOAMS6\20180623-74255.b\F66671.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Jun-2018 23:22:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0074255-008
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Jun-2018 12:27:40 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: xuyvo Date: 24-Jun-2018 12:34:25

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 21 Carbon disulfide | 76 | 2.971 | 2.954 | 0.017 | 95 | 6699 | | 0.4406 | |
| * 26 TBA-d9 (IS) | 65 | 3.209 | 3.201 | 0.008 | 0 | 110871 | 1000.0 | 1000.0 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.245 | 0.000 | 0 | 129132 | 250.0 | 250.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.713 | 4.713 | 0.000 | 95 | 76232 | 50.0 | 54.0 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.058 | 0.000 | 0 | 84026 | 50.0 | 49.0 | |
| * 61 Fluorobenzene | 96 | 5.329 | 5.321 | 0.008 | 99 | 285983 | 50.0 | 50.0 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.044 | 6.036 | 0.008 | 0 | 7613 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 100 | 268003 | 50.0 | 48.3 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 88 | 191100 | 50.0 | 50.0 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.038 | 10.029 | 0.009 | 93 | 80702 | 50.0 | 51.2 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.909 | 10.908 | 0.001 | 96 | 104132 | 50.0 | 50.0 | |

## Reagents:

VOA6IS/SURR_00011 Amount Added: 5.00 Units: uL Run Reagent

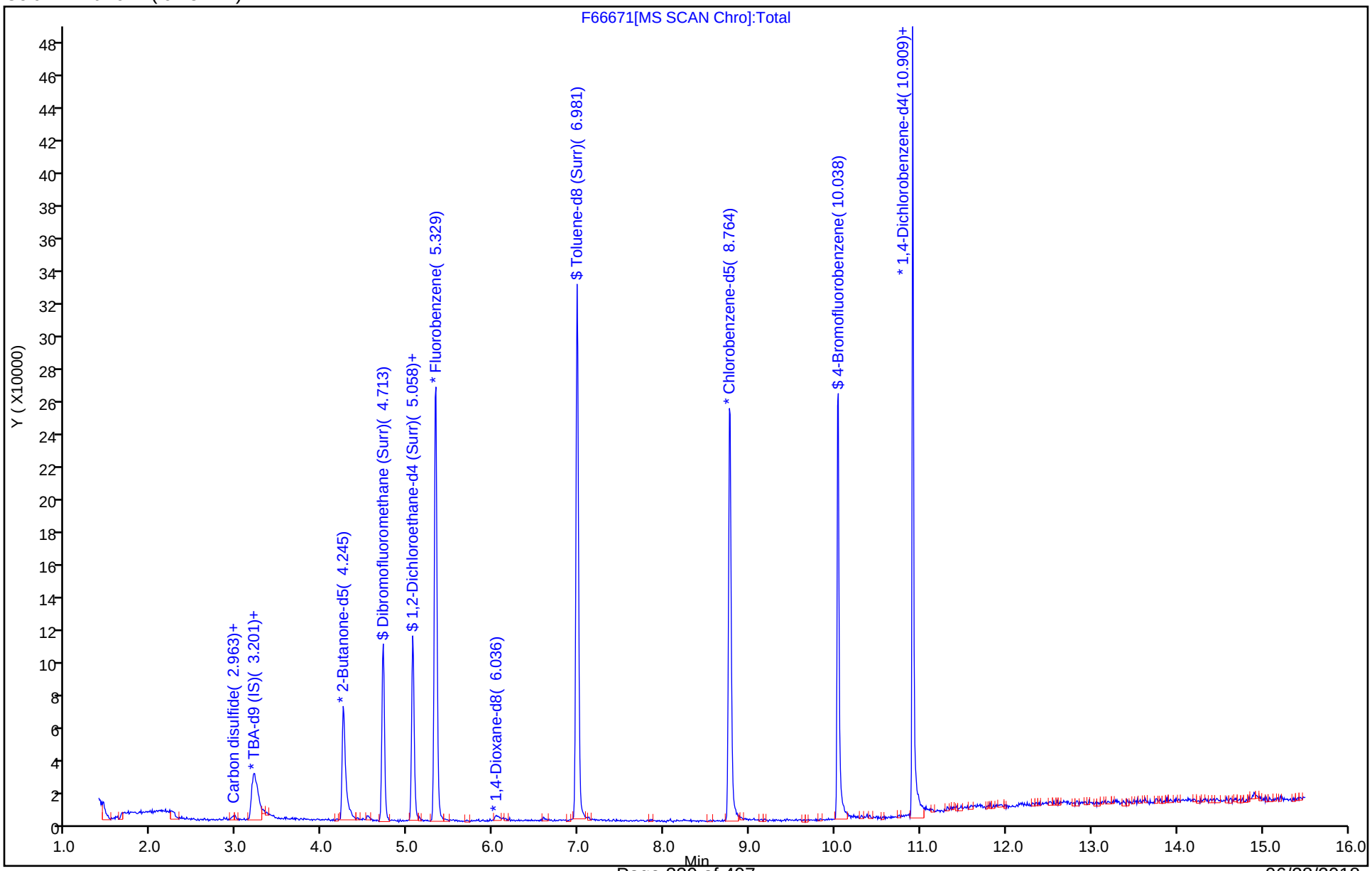
Report Date: 24-Jun-2018 12:34:29 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66671.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 23-Jun-2018 23:22:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | MB | | | Worklist Smp#: | 8 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 7 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Report Date: 24-Jun-2018 12:34:29 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66671.D

Injection Date: 23-Jun-2018 23:22:30 Instrument ID: CVOAMS6

Lims ID: MB

Client ID:

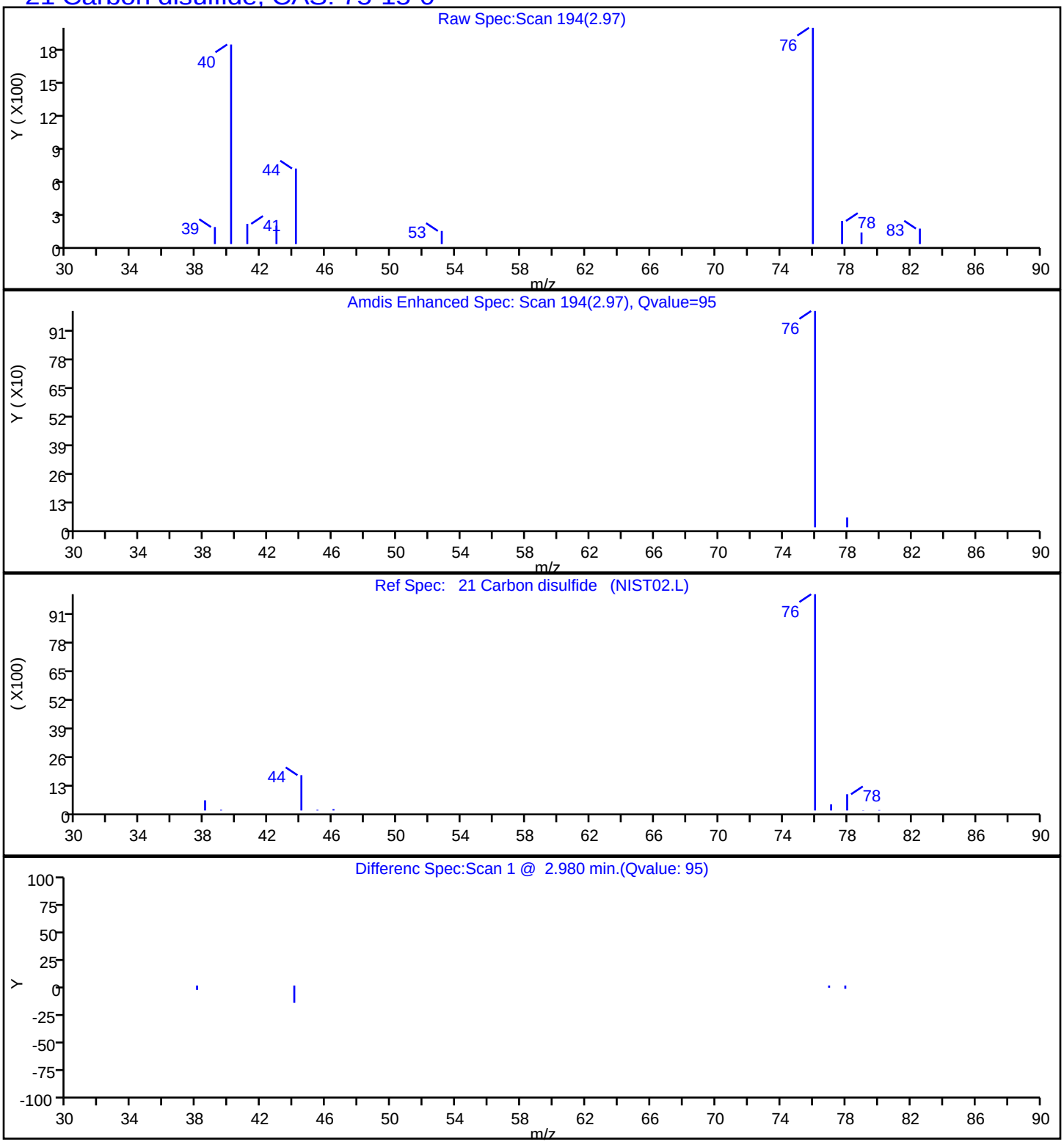
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 21 Carbon disulfide, CAS: 75-15-0



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-530535/8

Matrix: Water | Lab File ID: F66700.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2018 11:11

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.: 530535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.331 | J | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-530535/8

Matrix: Water  Lab File ID: F66700.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 11:11

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.: 530535  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 101 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 104 | | 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.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-530535/8

Matrix: Water  Lab File ID: F66700.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 11:11

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.: 530535  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\CVOAMS6\20180624-74278.b\F66700.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Jun-2018 11:11:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0074278-008
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 26-Jun-2018 14:59:13 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

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

First Level Reviewer: xuyvo Date: 26-Jun-2018 14:59:13

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 21 Carbon disulfide | 76 | 2.971 | 2.938 | 0.033 | 95 | 4645 | | 0.3311 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 107270 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.242 | 3.258 | -0.016 | 19 | 376 | | 1.21 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.236 | 0.009 | 0 | 123278 | 250.0 | 250.0 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.705 | 0.000 | 97 | 67941 | 50.0 | 52.2 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.050 | 0.008 | 0 | 74403 | 50.0 | 47.1 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 99 | 263817 | 50.0 | 50.0 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.036 | 6.019 | 0.017 | 0 | 6972 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.973 | 0.009 | 99 | 244687 | 50.0 | 47.8 | |
| * 89 Chlorobenzene-d5 | 117 | 8.772 | 8.764 | 0.008 | 87 | 175994 | 50.0 | 50.0 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.037 | 10.029 | 0.008 | 93 | 73477 | 50.0 | 50.6 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 95 | 100071 | 50.0 | 50.0 | |

## Reagents:

VOA6IS/SURR_00011 Amount Added: 5.00 Units: uL Run Reagent

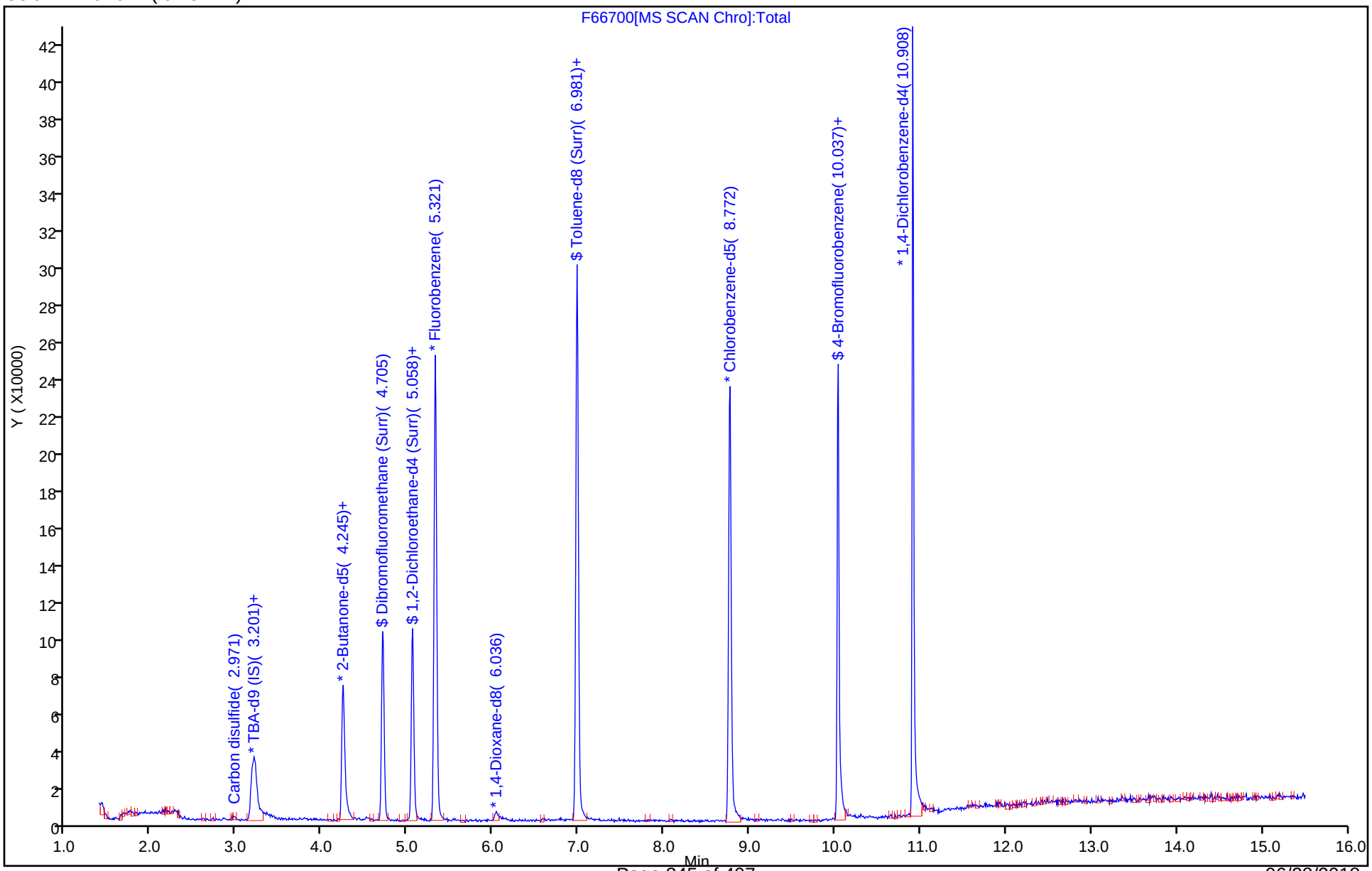
Report Date: 26-Jun-2018 14:59:15 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66700.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 24-Jun-2018 11:11:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | MB | | | Worklist Smp#: | 8 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 7 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

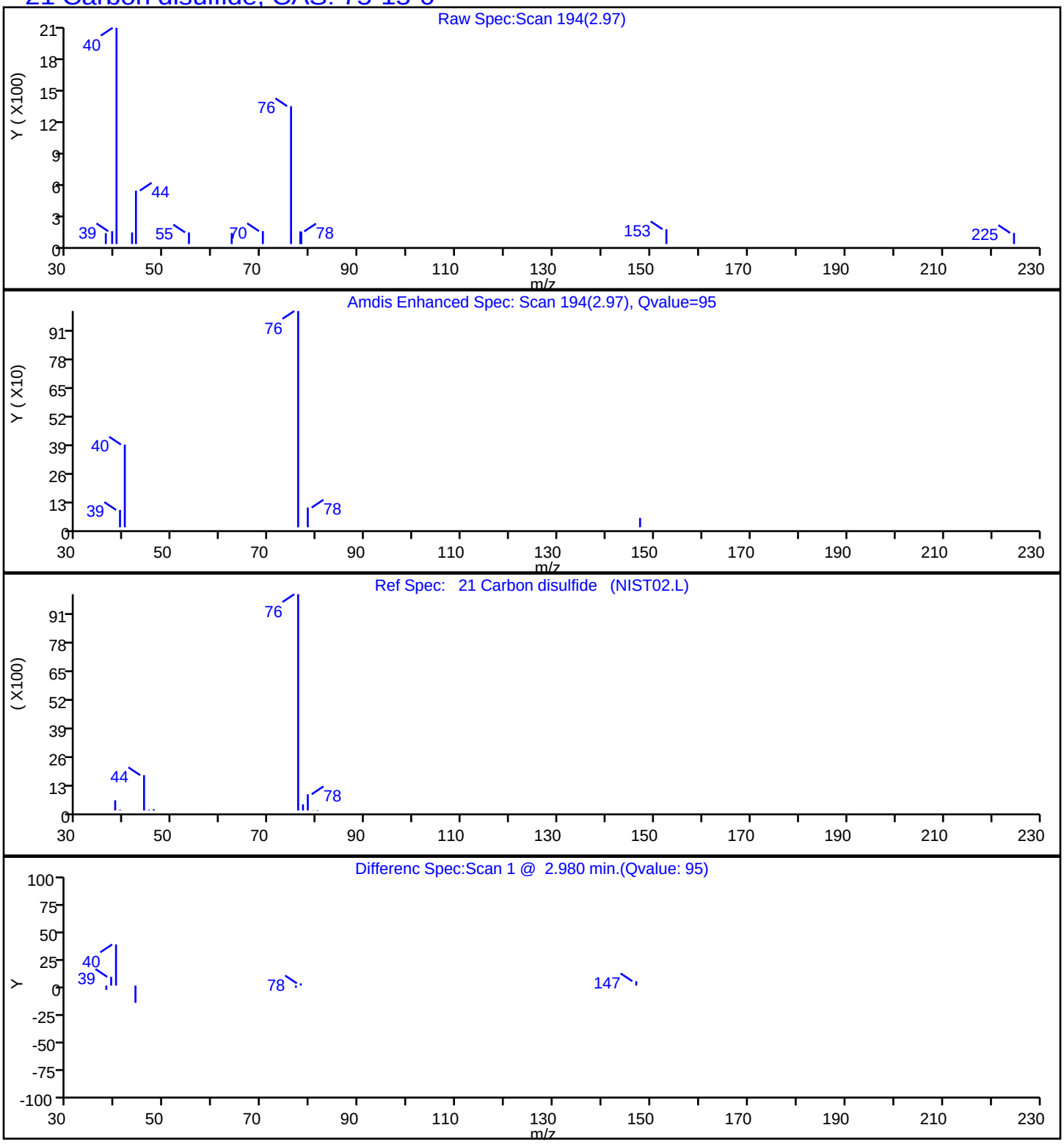
Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66700.D
Injection Date: 24-Jun-2018 11:11:30 Instrument ID: CVOAMS6
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 21 Carbon disulfide, CAS: 75-15-0



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-530664/9

Matrix: Water | Lab File ID: A57704.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/25/2018 09:16

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.: 530664 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-530664/9

Matrix: Water  Lab File ID: A57704.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/25/2018 09:16

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.: 530664  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 95 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 104 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 109 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 80-120 |

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

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-530664/9

Matrix: Water  Lab File ID: A57704.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/25/2018 09:16

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.: 530664  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\20180625-74307.b\A57704.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Jun-2018 09:16:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0074307-009
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 26-Jun-2018 16:19:31 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

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

First Level Reviewer: moroneyc Date: 25-Jun-2018 09:34:54

| 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 | 3.329 | 3.317 | 0.012 | 0 | 171640 | 1000.0 | 1000.0 | |
| * 39 2-Butanone-d5 | 46 | 4.298 | 4.292 | 0.006 | 0 | 193160 | 250.0 | 250.0 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.683 | 4.682 | 0.001 | 97 | 91066 | 50.0 | 54.5 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.963 | 4.957 | 0.006 | 0 | 99804 | 50.0 | 47.3 | |
| * 64 Fluorobenzene | 96 | 5.170 | 5.164 | 0.006 | 98 | 306517 | 50.0 | 50.0 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 13667 | 1000.0 | 1000.0 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 99 | 257027 | 50.0 | 49.1 | |
| * 92 Chlorobenzene-d5 | 117 | 7.658 | 7.657 | 0.001 | 87 | 207644 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.414 | 8.407 | 0.007 | 96 | 89716 | 50.0 | 52.2 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.060 | 9.053 | 0.007 | 95 | 135799 | 50.0 | 50.0 | |
| 131 Naphthalene | 128 | 10.541 | 10.535 | 0.006 | 1 | 368 | | 0.4580 | |

## Reagents:

8260ISNEW_00119 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00178 Amount Added: 1.00 Units: uL Run Reagent

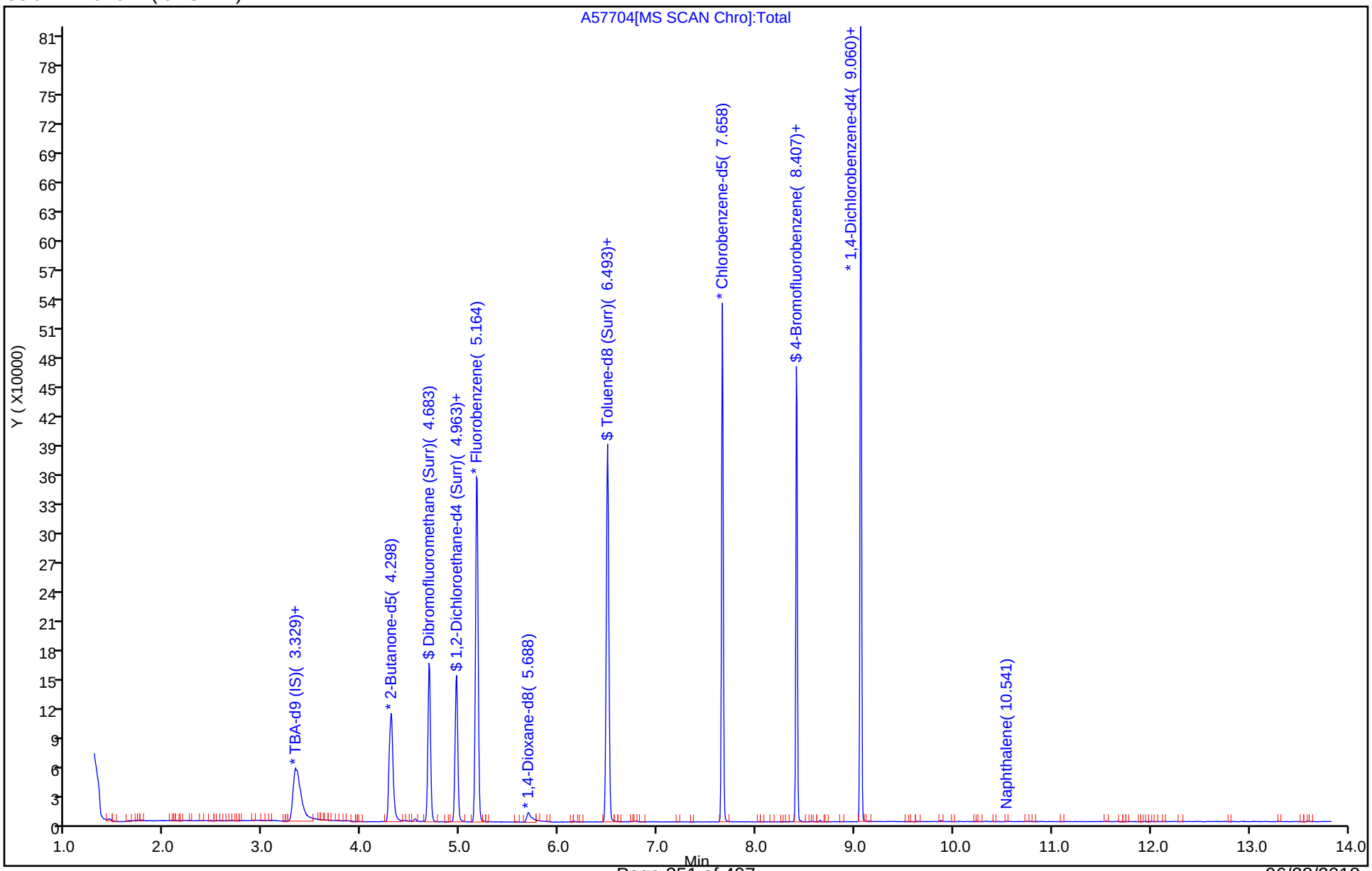
Report Date: 26-Jun-2018 16:19:34 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57704.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 25-Jun-2018 09:16:30 | Instrument ID: | CVOAMS1 | Operator ID: | VOA GC/MS1 |
| Lims ID: | MB | | | Worklist Smp#: | 9 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 8 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



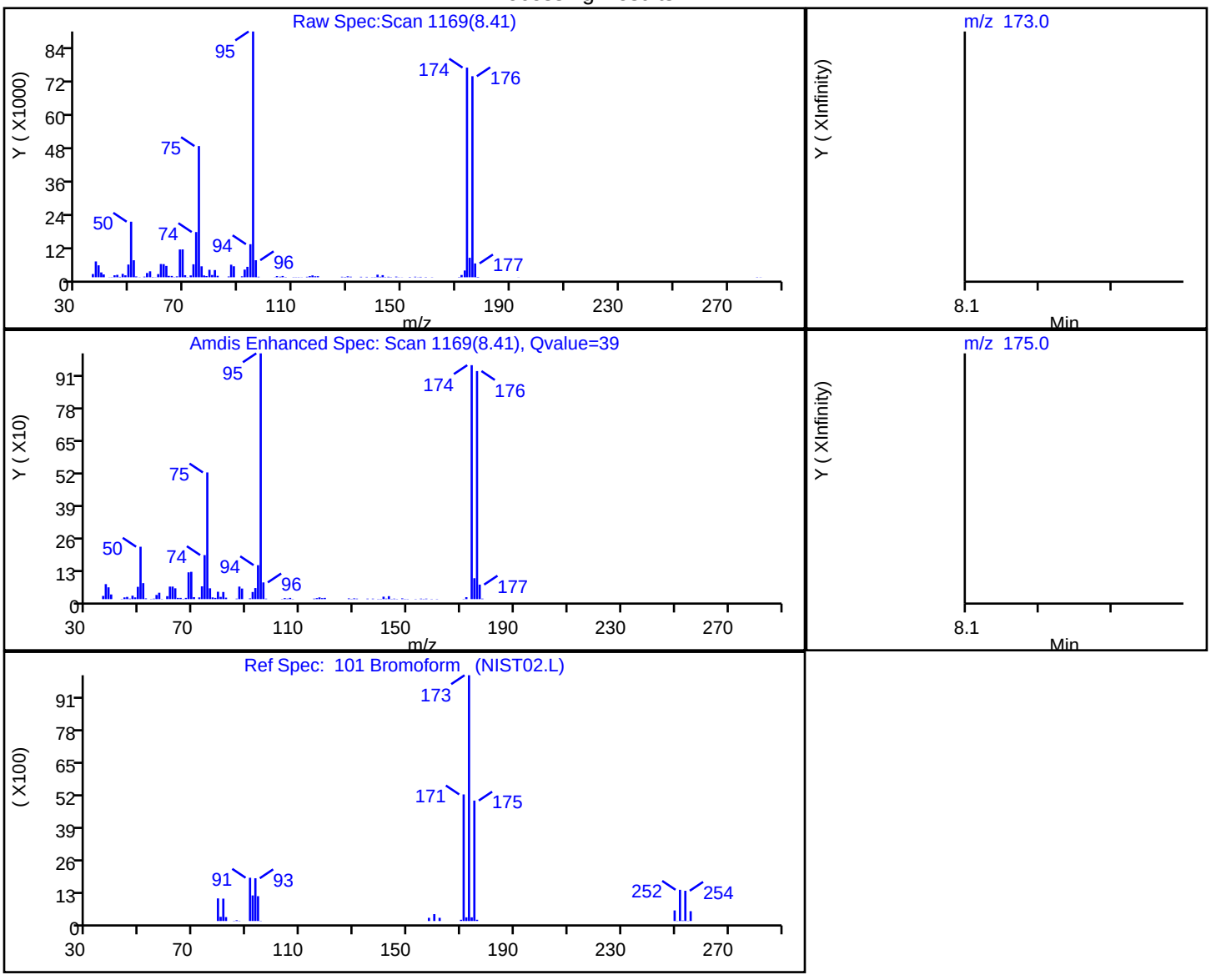
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57704.D
Injection Date: 25-Jun-2018 09:16:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 101 Bromoform, CAS: 75-25-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.41 | 173.00 | 1910 | 1.893489 |
| 8.41 | 175.00 | 7980 | |

Reviewer: moroneyc, 25-Jun-2018 09:34:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-530435/4

Matrix: Water | Lab File ID: F66667.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/23/2018 21:16

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.: 530435 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 15.7 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.4 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 16.6 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 17.1 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 16.3 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 15.7 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 17.8 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 257 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 71.2 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 65.6 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 69.9 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 64.2 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 17.0 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 16.1 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 16.0 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 16.0 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 17.1 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 15.8 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 16.4 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 17.1 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 16.9 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 16.3 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 17.4 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 16.3 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 15.8 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 16.1 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.6 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 17.5 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 15.9 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 16.5 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 16.5 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 16.2 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 15.6 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 16.1 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 33.8 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-530435/4

Matrix: Water  Lab File ID: F66667.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/23/2018 21:16

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.: 530435  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 100 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 100 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66667.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Jun-2018 21:16:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0074255-004
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Jun-2018 13:00:08 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: parekhv Date: 23-Jun-2018 22:08:29

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.533 | 1.533 | 0.000 | 90 | 37293 | 20.0 | 13.9 | |
| 2 Dichlorodifluoromethane | 85 | 1.558 | 1.566 | -0.008 | 99 | 78044 | 20.0 | 11.5 | |
| 3 Chloromethane | 50 | 1.738 | 1.747 | -0.009 | 99 | 120253 | 20.0 | 16.3 | |
| 4 Vinyl chloride | 62 | 1.829 | 1.837 | -0.008 | 98 | 111900 | 20.0 | 16.1 | |
| 5 Butadiene | 54 | 1.837 | 1.837 | 0.000 | 95 | 108705 | 20.0 | 18.4 | |
| 6 Bromomethane | 94 | 2.108 | 2.116 | -0.008 | 99 | 73417 | 20.0 | 16.0 | |
| 7 Chloroethane | 64 | 2.174 | 2.182 | -0.008 | 100 | 68344 | 20.0 | 17.1 | |
| 8 Dichlorofluoromethane | 67 | 2.347 | 2.355 | -0.009 | 99 | 152897 | 20.0 | 15.1 | |
| 10 Pentane | 72 | 2.363 | 2.363 | 0.000 | 96 | 23226 | 40.0 | 26.4 | |
| 9 Trichlorofluoromethane | 101 | 2.363 | 2.363 | 0.000 | 52 | 96850 | 20.0 | 13.3 | |
| 11 Ethanol | 46 | 2.535 | 2.552 | -0.017 | 76 | 11328 | 800.0 | 966.6 | |
| 12 Ethyl ether | 59 | 2.544 | 2.552 | -0.008 | 93 | 62157 | 20.0 | 18.8 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.568 | 2.576 | -0.008 | 96 | 62196 | 20.0 | 16.0 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.609 | 2.609 | 0.000 | 87 | 56886 | 20.0 | 15.5 | |
| 15 Acrolein | 56 | 2.733 | 2.733 | 0.000 | 29 | 2226 | 40.0 | 4.92 | a |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.741 | 2.749 | -0.008 | 96 | 65685 | 20.0 | 15.4 | |
| 17 1,1-Dichloroethene | 96 | 2.766 | 2.765 | 0.001 | 97 | 65176 | 20.0 | 16.3 | |
| 18 Acetone | 43 | 2.840 | 2.848 | -0.008 | 87 | 88551 | 100.0 | 64.2 | |
| 19 Iodomethane | 142 | 2.913 | 2.922 | -0.009 | 98 | 120077 | 20.0 | 17.0 | |
| 20 Isopropyl alcohol | 45 | 2.930 | 2.946 | -0.016 | 38 | 41651 | 200.0 | 239.3 | |
| 21 Carbon disulfide | 76 | 2.955 | 2.954 | 0.001 | 99 | 267746 | 20.0 | 17.1 | |
| 22 3-Chloro-1-propene | 41 | 3.061 | 3.069 | -0.008 | 94 | 152558 | 20.0 | 18.1 | |
| 24 Methyl acetate | 43 | 3.078 | 3.078 | 0.000 | 99 | 97165 | 40.0 | 38.8 | |
| 23 Cyclopentene | 67 | 3.086 | 3.086 | 0.000 | 93 | 174029 | 20.0 | 16.8 | |
| 25 Acetonitrile | 41 | 3.144 | 3.152 | -0.008 | 62 | 83458 | 200.0 | 177.8 | a |
| 27 Methylene Chloride | 84 | 3.193 | 3.193 | 0.000 | 95 | 84947 | 20.0 | 17.6 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 114665 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.267 | 3.258 | 0.009 | 66 | 61627 | 200.0 | 185.9 | M |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.349 | 0.000 | 98 | 213921 | 20.0 | 17.8 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.374 | 3.374 | 0.000 | 97 | 73757 | 20.0 | 16.5 | |
| 31 Acrylonitrile | 53 | 3.448 | 3.447 | 0.001 | 95 | 272524 | 200.0 | 184.5 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Hexane | 43 | 3.522 | 3.521 | 0.001 | 94 | 60076 | 20.0 | 15.4 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.727 | 0.000 | 98 | 274817 | 20.0 | 18.4 | |
| 34 1,1-Dichloroethane | 63 | 3.760 | 3.768 | -0.008 | 99 | 138947 | 20.0 | 17.1 | |
| 35 Vinyl acetate | 86 | 3.776 | 3.776 | 0.000 | 100 | 29764 | 40.0 | 39.2 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.801 | 3.809 | -0.008 | 91 | 63526 | 20.0 | 16.7 | |
| 37 Tert-butyl ethyl ether | 59 | 4.031 | 4.039 | -0.008 | 89 | 245820 | 20.0 | 17.8 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.245 | -0.009 | 0 | 138963 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.261 | 4.261 | 0.000 | 94 | 27211 | 20.0 | 16.8 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 94 | 85358 | 20.0 | 17.4 | |
| 41 2-Butanone (MEK) | 72 | 4.286 | 4.286 | 0.000 | 95 | 35307 | 100.0 | 71.2 | |
| 42 Ethyl acetate | 70 | 4.286 | 4.294 | -0.008 | 95 | 13117 | 40.0 | 27.0 | |
| 43 Methyl acrylate | 55 | 4.351 | 4.351 | 0.000 | 73 | 56234 | 20.0 | 18.5 | |
| 44 Propionitrile | 54 | 4.425 | 4.434 | -0.009 | 97 | 95249 | 200.0 | 186.5 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 96 | 40028 | 20.0 | 18.1 | |
| 46 Tetrahydrofuran | 72 | 4.508 | 4.507 | 0.001 | 82 | 16418 | 40.0 | 27.2 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 92 | 268679 | 200.0 | 184.9 | |
| 48 Chloroform | 83 | 4.549 | 4.557 | -0.008 | 98 | 125586 | 20.0 | 16.9 | |
| 49 Cyclohexane | 84 | 4.688 | 4.688 | 0.000 | 93 | 104513 | 20.0 | 16.1 | |
| 50 1,1,1-Trichloroethane | 97 | 4.697 | 4.696 | 0.001 | 98 | 102907 | 20.0 | 15.7 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.705 | 4.713 | -0.008 | 97 | 72969 | 50.0 | 50.2 | |
| 52 Carbon tetrachloride | 117 | 4.812 | 4.820 | -0.008 | 99 | 83075 | 20.0 | 15.8 | |
| 53 1,1-Dichloropropene | 75 | 4.844 | 4.844 | 0.000 | 98 | 95535 | 20.0 | 16.3 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.992 | 0.000 | 35 | 84942 | 500.0 | 377.9 | a |
| 55 Benzene | 78 | 5.042 | 5.042 | 0.000 | 96 | 304121 | 20.0 | 17.0 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.050 | 5.058 | -0.008 | 0 | 81395 | 50.0 | 46.1 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 96 | 211047 | 20.0 | 18.6 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.099 | 0.000 | 93 | 251941 | 20.0 | 18.1 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.132 | 0.000 | 95 | 87357 | 20.0 | 15.7 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 92 | 50175 | 20.0 | 15.8 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 294817 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.650 | 5.641 | 0.009 | 89 | 21109 | 500.0 | 459.0 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 99 | 68096 | 20.0 | 15.6 | |
| 65 Ethyl acrylate | 55 | 5.789 | 5.798 | -0.009 | 97 | 167514 | 20.0 | 17.4 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.798 | 0.000 | 85 | 119538 | 20.0 | 15.8 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 93 | 80255 | 20.0 | 17.8 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.028 | 6.036 | -0.008 | 0 | 9065 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.036 | 6.036 | 0.000 | 91 | 30777 | 40.0 | 35.6 | |
| 69 1,4-Dioxane | 88 | 6.077 | 6.085 | -0.008 | 31 | 9513 | 400.0 | 257.0 | M |
| 70 n-Propyl acetate | 43 | 6.085 | 6.093 | -0.008 | 98 | 83249 | 20.0 | 19.0 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 97 | 41884 | 20.0 | 16.5 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 99 | 90418 | 20.0 | 16.1 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.578 | 6.570 | 0.008 | 80 | 39194 | 20.0 | 17.7 | |
| 73 2-Nitropropane | 41 | 6.570 | 6.570 | 0.000 | 77 | 25884 | 40.0 | 31.6 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 116225 | 400.0 | 284.8 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 90 | 108012 | 20.0 | 16.3 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.899 | 0.000 | 96 | 314777 | 100.0 | 69.9 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 99 | 292994 | 50.0 | 48.8 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 93 | 296575 | 20.0 | 16.5 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 97 | 89045 | 20.0 | 16.2 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 90 | 83344 | 20.0 | 18.1 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 96 | 50730 | 20.0 | 16.6 | |
| 83 Tetrachloroethene | 166 | 7.671 | 7.671 | 0.000 | 97 | 67940 | 20.0 | 15.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 93 | 98853 | 20.0 | 17.2 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 97 | 169480 | 100.0 | 65.6 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 98 | 103389 | 20.0 | 18.8 | |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 98 | 58861 | 20.0 | 15.8 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.222 | 0.000 | 98 | 53083 | 20.0 | 16.7 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 87 | 206786 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 94 | 178799 | 20.0 | 16.4 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.904 | 0.000 | 99 | 104019 | 20.0 | 16.1 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 94 | 67115 | 20.0 | 16.2 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 131148 | 20.0 | 17.1 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 98 | 50171 | 20.0 | 16.3 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 93 | 132114 | 20.0 | 16.7 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 96 | 208557 | 20.0 | 17.5 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 91 | 119655 | 20.0 | 18.5 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 97 | 36307 | 20.0 | 16.0 | |
| 99 Isopropylbenzene | 105 | 9.849 | 9.848 | 0.001 | 96 | 331500 | 20.0 | 16.7 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 90 | 85030 | 50.0 | 49.8 | |
| 101 Bromobenzene | 156 | 10.153 | 10.152 | 0.001 | 99 | 79283 | 20.0 | 16.9 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.185 | 10.185 | 0.000 | 98 | 79711 | 20.0 | 17.4 | |
| 103 N-Propylbenzene | 91 | 10.202 | 10.202 | 0.000 | 99 | 403713 | 20.0 | 17.7 | |
| 104 1,2,3-Trichloropropane | 110 | 10.227 | 10.226 | 0.001 | 96 | 21543 | 20.0 | 17.3 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 78 | 11915 | 20.0 | 10.4 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 90 | 271575 | 20.0 | 16.9 | |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 89 | 329760 | 20.0 | 17.3 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.350 | 10.350 | 0.000 | 93 | 283695 | 20.0 | 17.0 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 249106 | 20.0 | 17.4 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 90 | 99110 | 20.0 | 17.1 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 94 | 217699 | 20.0 | 16.5 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 292543 | 20.0 | 17.3 | |
| 113 sec-Butylbenzene | 105 | 10.744 | 10.744 | 0.000 | 99 | 344199 | 20.0 | 17.1 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 98 | 297475 | 20.0 | 17.3 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 96 | 160583 | 20.0 | 17.4 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.909 | 10.908 | 0.001 | 95 | 114651 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 94 | 163613 | 20.0 | 17.4 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 98 | 308418 | 20.0 | 17.3 | |
| 118 Benzyl chloride | 91 | 11.024 | 11.023 | 0.001 | 99 | 158708 | 20.0 | 18.2 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 95 | 305362 | 20.0 | 17.6 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 94 | 173037 | 20.0 | 17.0 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 97 | 161852 | 20.0 | 17.3 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 96 | 161653 | 20.0 | 17.6 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.582 | 11.582 | 0.000 | 97 | 290600 | 20.0 | 17.5 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.664 | 11.664 | 0.000 | 96 | 13277 | 20.0 | 15.8 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.747 | 0.000 | 97 | 123387 | 20.0 | 17.5 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.149 | 12.149 | 0.000 | 94 | 111770 | 20.0 | 18.4 | |
| 127 Hexachlorobutadiene | 225 | 12.215 | 12.207 | 0.008 | 96 | 46965 | 20.0 | 16.7 | |
| 128 Naphthalene | 128 | 12.322 | 12.322 | 0.000 | 99 | 256893 | 20.0 | 18.6 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.486 | 12.486 | 0.000 | 95 | 101282 | 20.0 | 18.0 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 33.9 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 40.0 | 33.8 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00011 | Amount Added: | 5.00 | Units: uL | Run Reagent |

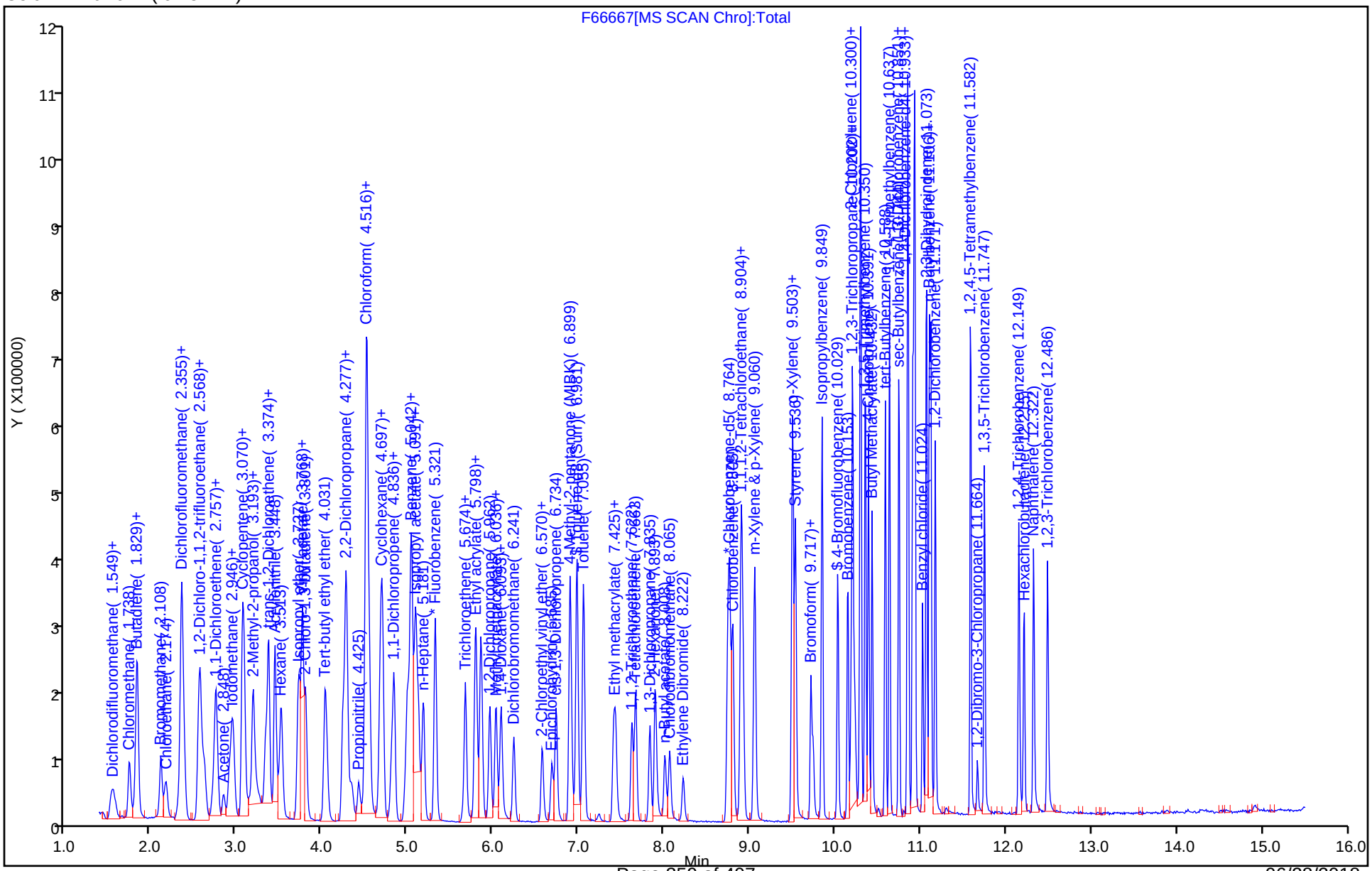
Report Date: 24-Jun-2018 13:00:14 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66667.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 23-Jun-2018 21:16:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | LCS | | | Worklist Smp#: | 4 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 3 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

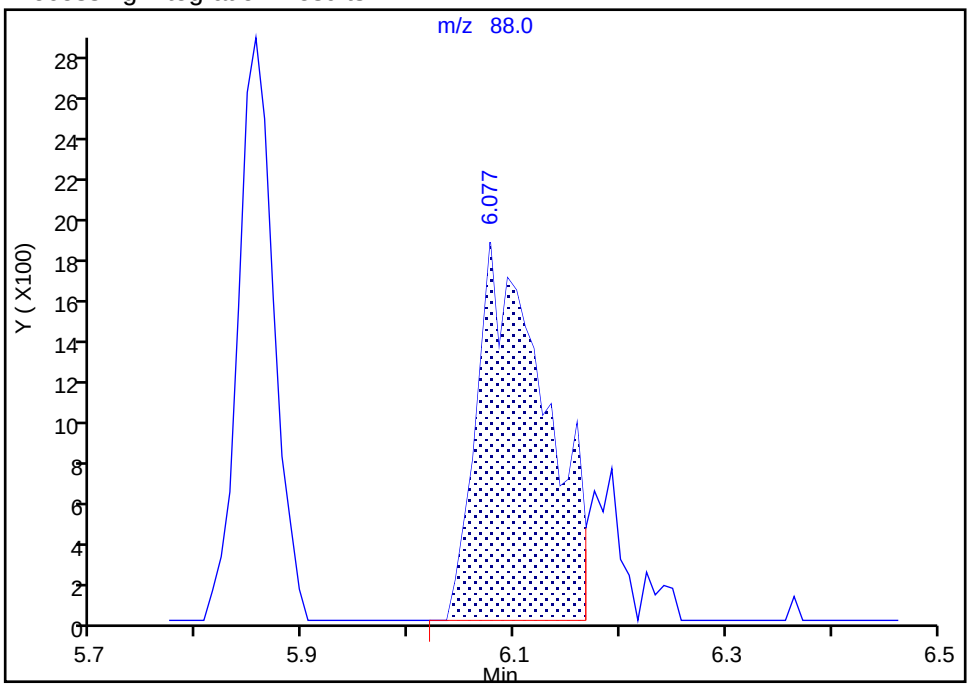
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66667.D
Injection Date: 23-Jun-2018 21:16:30 Instrument ID: CVOAMS6
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

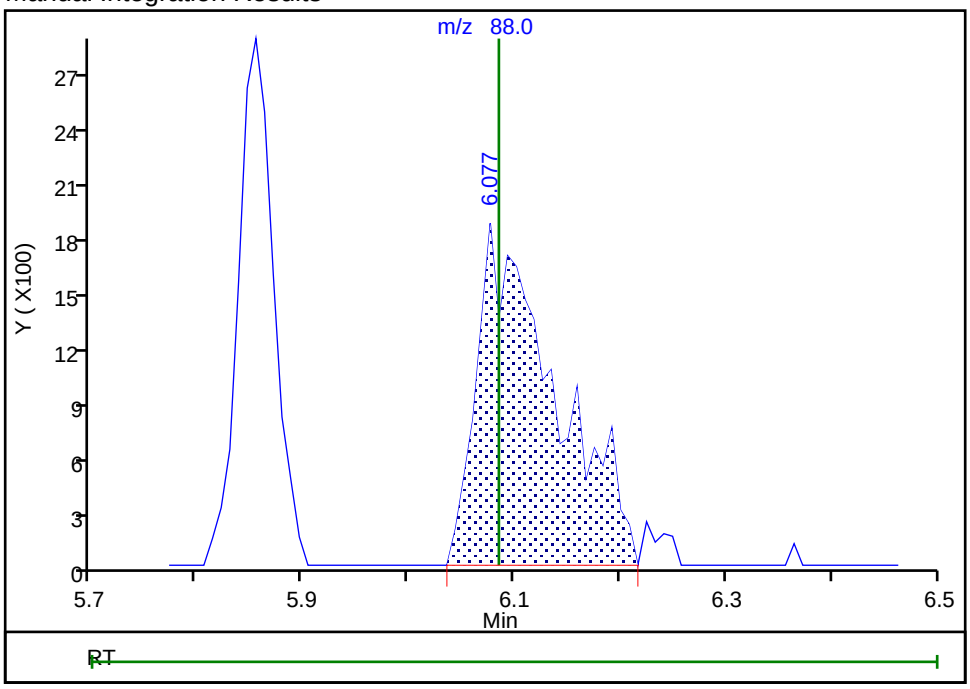
Processing Integration Results

RT: 6.08
Area: 8315
Amount: 224.3781
Amount Units: ug/l




Manual Integration Results

RT: 6.08
Area: 9513
Amount: 257.0090
Amount Units: ug/l




Reviewer: xuyvo, 24-Jun-2018 13:00:01
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-530535/4

Matrix: Water | Lab File ID: F66696.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2018 09:35

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.: 530535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 16.6 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.3 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 16.7 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 17.9 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 16.9 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 15.9 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 17.7 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 240 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 71.9 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 66.8 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 72.7 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 61.5 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 16.9 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 16.7 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 17.4 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 17.1 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 16.3 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 16.8 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 16.9 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 18.5 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 17.4 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 17.7 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 17.7 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 16.0 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 16.7 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 17.1 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.4 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 18.1 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 16.6 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 17.0 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 17.3 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 16.3 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 16.6 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 18.4 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 34.6 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-530535/4

Matrix: Water  Lab File ID: F66696.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 09:35

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.: 530535  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 101 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 104 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66696.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Jun-2018 09:35:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0074278-004
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 26-Jun-2018 14:56:11 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

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

First Level Reviewer: starzecm Date: 24-Jun-2018 11:13:07

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.541 | 1.525 | 0.016 | 89 | 30302 | 20.0 | 11.7 | |
| 2 Dichlorodifluoromethane | 85 | 1.574 | 1.558 | 0.016 | 99 | 99765 | 20.0 | 15.3 | |
| 3 Chloromethane | 50 | 1.747 | 1.730 | 0.017 | 99 | 126218 | 20.0 | 17.7 | |
| 4 Vinyl chloride | 62 | 1.837 | 1.829 | 0.008 | 97 | 123347 | 20.0 | 18.4 | |
| 5 Butadiene | 54 | 1.837 | 1.829 | 0.008 | 97 | 124537 | 20.0 | 21.9 | |
| 6 Bromomethane | 94 | 2.116 | 2.108 | 0.008 | 98 | 75474 | 20.0 | 17.1 | |
| 7 Chloroethane | 64 | 2.182 | 2.166 | 0.016 | 100 | 71301 | 20.0 | 18.5 | |
| 8 Dichlorofluoromethane | 67 | 2.355 | 2.346 | 0.009 | 98 | 157023 | 20.0 | 16.1 | |
| 10 Pentane | 72 | 2.363 | 2.355 | 0.008 | 97 | 23691 | 40.0 | 33.4 | |
| 9 Trichlorofluoromethane | 101 | 2.371 | 2.355 | 0.016 | 59 | 116780 | 20.0 | 16.6 | |
| 11 Ethanol | 46 | 2.560 | 2.544 | 0.016 | 73 | 6672 | 800.0 | 702.5 | |
| 12 Ethyl ether | 59 | 2.552 | 2.544 | 0.008 | 94 | 59807 | 20.0 | 18.8 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.577 | 2.568 | 0.009 | 95 | 62487 | 20.0 | 16.7 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.626 | 2.601 | 0.025 | 95 | 59606 | 20.0 | 16.8 | |
| 15 Acrolein | 56 | 2.733 | 2.716 | 0.017 | 28 | 3281 | 40.0 | 8.98 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.749 | 2.741 | 0.008 | 97 | 71044 | 20.0 | 17.3 | |
| 17 1,1-Dichloroethene | 96 | 2.766 | 2.749 | 0.017 | 98 | 65079 | 20.0 | 16.9 | |
| 18 Acetone | 43 | 2.848 | 2.839 | 0.009 | 88 | 81208 | 100.0 | 61.5 | |
| 19 Iodomethane | 142 | 2.922 | 2.905 | 0.017 | 98 | 112887 | 20.0 | 16.5 | |
| 20 Isopropyl alcohol | 45 | 2.963 | 2.938 | 0.025 | 26 | 33031 | 200.0 | 234.7 | |
| 21 Carbon disulfide | 76 | 2.955 | 2.938 | 0.017 | 99 | 246148 | 20.0 | 16.3 | |
| 22 3-Chloro-1-propene | 41 | 3.070 | 3.061 | 0.009 | 94 | 143754 | 20.0 | 17.7 | |
| 24 Methyl acetate | 43 | 3.078 | 3.069 | 0.009 | 72 | 98365 | 40.0 | 40.7 | |
| 23 Cyclopentene | 67 | 3.094 | 3.078 | 0.016 | 94 | 177893 | 20.0 | 17.8 | |
| 25 Acetonitrile | 41 | 3.160 | 3.143 | 0.017 | 98 | 74722 | 200.0 | 196.4 | |
| 27 Methylene Chloride | 84 | 3.193 | 3.185 | 0.009 | 94 | 81415 | 20.0 | 17.4 | |
| * 26 TBA-d9 (IS) | 65 | 3.209 | 3.201 | 0.008 | 0 | 92722 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.275 | 3.258 | 0.017 | 98 | 54436 | 200.0 | 203.1 | M |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.341 | 0.008 | 97 | 216605 | 20.0 | 18.7 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.382 | 3.365 | 0.017 | 96 | 74450 | 20.0 | 17.3 | |
| 31 Acrylonitrile | 53 | 3.456 | 3.439 | 0.017 | 95 | 265771 | 200.0 | 186.4 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Hexane | 43 | 3.530 | 3.513 | 0.017 | 92 | 70798 | 20.0 | 18.9 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.719 | 0.008 | 98 | 272335 | 20.0 | 18.9 | |
| 34 1,1-Dichloroethane | 63 | 3.768 | 3.760 | 0.008 | 99 | 140265 | 20.0 | 17.9 | |
| 35 Vinyl acetate | 86 | 3.776 | 3.768 | 0.008 | 100 | 27277 | 40.0 | 37.3 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.801 | 0.008 | 90 | 66906 | 20.0 | 18.3 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.031 | 0.008 | 89 | 240170 | 20.0 | 18.1 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.236 | 0.009 | 0 | 132622 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.261 | 4.253 | 0.008 | 93 | 27453 | 20.0 | 17.6 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.278 | 4.277 | 0.001 | 96 | 84092 | 20.0 | 17.7 | |
| 41 2-Butanone (MEK) | 72 | 4.294 | 4.294 | 0.000 | 96 | 34008 | 100.0 | 71.9 | |
| 42 Ethyl acetate | 70 | 4.294 | 4.294 | 0.000 | 95 | 12222 | 40.0 | 26.4 | |
| 43 Methyl acrylate | 55 | 4.351 | 4.343 | 0.008 | 98 | 51631 | 20.0 | 17.4 | |
| 44 Propionitrile | 54 | 4.434 | 4.425 | 0.009 | 98 | 88366 | 200.0 | 213.9 | |
| 45 Chlorobromomethane | 128 | 4.508 | 4.499 | 0.009 | 92 | 39176 | 20.0 | 18.4 | |
| 46 Tetrahydrofuran | 72 | 4.508 | 4.499 | 0.009 | 54 | 17202 | 40.0 | 29.9 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.516 | 0.008 | 92 | 271472 | 200.0 | 193.6 | |
| 48 Chloroform | 83 | 4.557 | 4.549 | 0.009 | 99 | 124569 | 20.0 | 17.4 | |
| 49 Cyclohexane | 84 | 4.688 | 4.680 | 0.008 | 91 | 120459 | 20.0 | 19.2 | |
| 50 1,1,1-Trichloroethane | 97 | 4.697 | 4.696 | 0.001 | 98 | 105462 | 20.0 | 16.6 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.713 | 4.705 | 0.008 | 97 | 72781 | 50.0 | 51.9 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.811 | 0.009 | 98 | 85510 | 20.0 | 16.8 | |
| 53 1,1-Dichloropropene | 75 | 4.845 | 4.836 | 0.008 | 98 | 99211 | 20.0 | 17.5 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.984 | 0.008 | 35 | 92139 | 500.0 | 507.0 | a |
| 55 Benzene | 78 | 5.042 | 5.033 | 0.009 | 97 | 295516 | 20.0 | 16.9 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.050 | 0.008 | 0 | 79807 | 50.0 | 46.8 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.083 | 0.008 | 96 | 201897 | 20.0 | 18.4 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.091 | 0.008 | 92 | 250249 | 20.0 | 18.6 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.124 | 0.008 | 96 | 85267 | 20.0 | 15.9 | |
| 60 n-Heptane | 57 | 5.181 | 5.173 | 0.008 | 91 | 59909 | 20.0 | 19.6 | |
| * 61 Fluorobenzene | 96 | 5.329 | 5.321 | 0.008 | 98 | 284516 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.650 | 5.641 | 0.009 | 91 | 16504 | 500.0 | 444.7 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 99 | 69561 | 20.0 | 16.6 | |
| 65 Ethyl acrylate | 55 | 5.798 | 5.789 | 0.009 | 92 | 176578 | 20.0 | 19.0 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.789 | 0.009 | 88 | 138505 | 20.0 | 19.0 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 93 | 77201 | 20.0 | 17.7 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.020 | 6.019 | 0.001 | 0 | 7228 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.036 | 6.036 | 0.000 | 90 | 30543 | 40.0 | 36.6 | |
| 69 1,4-Dioxane | 88 | 6.085 | 6.085 | 0.000 | 26 | 7084 | 400.0 | 239.9 | |
| 70 n-Propyl acetate | 43 | 6.093 | 6.085 | 0.008 | 98 | 79378 | 20.0 | 18.8 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 83 | 41073 | 20.0 | 16.7 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 99 | 90417 | 20.0 | 16.7 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.578 | 6.570 | 0.008 | 77 | 37971 | 20.0 | 17.8 | |
| 73 2-Nitropropane | 41 | 6.578 | 6.570 | 0.008 | 78 | 25933 | 40.0 | 32.8 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 109499 | 400.0 | 281.2 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 90 | 104118 | 20.0 | 16.0 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.899 | 0.000 | 96 | 312438 | 100.0 | 72.7 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.973 | 0.009 | 99 | 281580 | 50.0 | 47.9 | |
| 79 Toluene | 91 | 7.063 | 7.055 | 0.008 | 93 | 298984 | 20.0 | 17.0 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 98 | 87323 | 20.0 | 16.3 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 89 | 83263 | 20.0 | 18.5 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 95 | 49987 | 20.0 | 16.7 | |
| 83 Tetrachloroethene | 166 | 7.671 | 7.663 | 0.008 | 96 | 69316 | 20.0 | 16.6 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.827 | 0.008 | 93 | 97437 | 20.0 | 17.3 | |
| 85 2-Hexanone | 43 | 7.901 | 7.893 | 0.008 | 96 | 164817 | 100.0 | 66.8 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 99 | 105434 | 20.0 | 19.6 | |
| 87 Chlorodibromomethane | 129 | 8.066 | 8.065 | 0.001 | 98 | 60988 | 20.0 | 16.7 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.221 | 0.001 | 100 | 53833 | 20.0 | 17.3 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 86 | 202400 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 94 | 180122 | 20.0 | 16.9 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.895 | 0.009 | 98 | 107778 | 20.0 | 17.1 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 96 | 68505 | 20.0 | 16.9 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 128513 | 20.0 | 17.1 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 96 | 47832 | 20.0 | 15.9 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 94 | 135218 | 20.0 | 17.4 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 96 | 210224 | 20.0 | 18.1 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 91 | 117402 | 20.0 | 17.7 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 97 | 38603 | 20.0 | 17.4 | |
| 99 Isopropylbenzene | 105 | 9.849 | 9.848 | 0.001 | 96 | 345373 | 20.0 | 17.8 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.038 | 10.029 | 0.009 | 95 | 84645 | 50.0 | 50.7 | |
| 101 Bromobenzene | 156 | 10.153 | 10.152 | 0.001 | 99 | 81832 | 20.0 | 17.1 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.185 | 10.185 | 0.000 | 99 | 81177 | 20.0 | 17.3 | |
| 103 N-Propylbenzene | 91 | 10.202 | 10.202 | 0.000 | 99 | 411891 | 20.0 | 17.7 | |
| 104 1,2,3-Trichloropropane | 110 | 10.227 | 10.226 | 0.001 | 95 | 23026 | 20.0 | 18.0 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 94 | 12501 | 20.0 | 10.6 | |
| 106 2-Chlorotoluene | 91 | 10.301 | 10.300 | 0.001 | 91 | 279207 | 20.0 | 17.0 | |
| 107 4-Ethyltoluene | 105 | 10.301 | 10.300 | 0.001 | 89 | 339693 | 20.0 | 17.4 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.358 | 10.350 | 0.008 | 94 | 296646 | 20.0 | 17.4 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 96 | 245315 | 20.0 | 16.7 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 90 | 96513 | 20.0 | 16.4 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 95 | 229872 | 20.0 | 17.1 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 296971 | 20.0 | 17.2 | |
| 113 sec-Butylbenzene | 105 | 10.744 | 10.744 | 0.000 | 99 | 360633 | 20.0 | 17.5 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 98 | 310263 | 20.0 | 17.7 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 96 | 162435 | 20.0 | 17.2 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.909 | 10.908 | 0.001 | 94 | 117164 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 93 | 163266 | 20.0 | 17.0 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 97 | 311491 | 20.0 | 17.1 | |
| 118 Benzyl chloride | 91 | 11.024 | 11.023 | 0.001 | 99 | 164924 | 20.0 | 18.5 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.065 | 0.008 | 94 | 309352 | 20.0 | 17.4 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 94 | 179741 | 20.0 | 17.2 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 96 | 167749 | 20.0 | 17.5 | |
| 122 1,2-Dichlorobenzene | 146 | 11.172 | 11.171 | 0.001 | 96 | 166140 | 20.0 | 17.7 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.582 | 11.582 | 0.000 | 97 | 290910 | 20.0 | 17.1 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.665 | 11.656 | 0.009 | 97 | 13567 | 20.0 | 15.8 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.747 | 0.000 | 98 | 124681 | 20.0 | 17.3 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.149 | 12.149 | 0.000 | 94 | 109111 | 20.0 | 17.6 | |
| 127 Hexachlorobutadiene | 225 | 12.207 | 12.207 | 0.000 | 96 | 49691 | 20.0 | 17.3 | |
| 128 Naphthalene | 128 | 12.322 | 12.313 | 0.009 | 99 | 247907 | 20.0 | 17.6 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.486 | 12.478 | 0.008 | 95 | 99198 | 20.0 | 17.3 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 35.0 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 40.0 | 34.6 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00011 | Amount Added: | 5.00 | Units: uL | Run Reagent |

Report Date: 26-Jun-2018 14:56:15 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66696.D

Injection Date: 24-Jun-2018 09:35:30 Instrument ID: CVOAMS6 Operator ID:

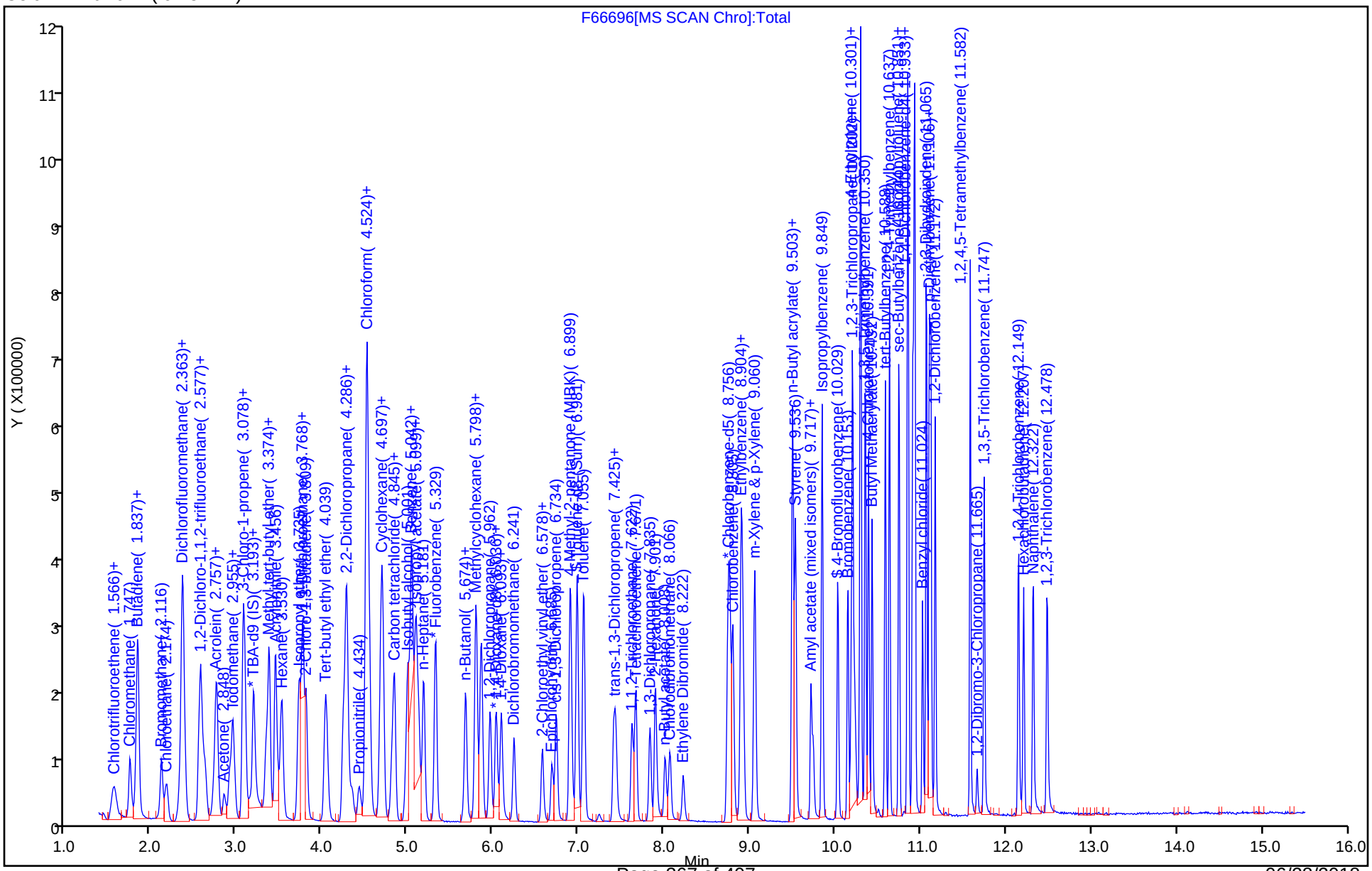
Lims ID: LCS Worklist Smp#: 4

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-530664/4

Matrix: Water | Lab File ID: A57699.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/25/2018 07:20

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.: 530664 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 21.6 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 22.4 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 21.6 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 23.0 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 23.7 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 21.2 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 20.8 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 508 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 113 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 101 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 107 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 99.7 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 23.9 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 20.0 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 20.5 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 19.5 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 20.7 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 21.3 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 22.1 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 17.1 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 22.8 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 17.8 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 24.0 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.8 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 19.4 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 22.3 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 23.0 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 22.2 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 23.4 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 21.3 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 24.0 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 18.5 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 21.6 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 19.6 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 45.4 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-530664/4

Matrix: Water  Lab File ID: A57699.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/25/2018 07:20

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.: 530664  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 104 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 102 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 100 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57699.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Jun-2018 07:20:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0074307-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Jun-2018 09:47:10 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

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

First Level Reviewer: moroneyc Date: 25-Jun-2018 09:45:23

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.518 | 1.524 | -0.006 | 88 | 26881 | 20.0 | 22.1 | |
| 3 Dichlorodifluoromethane | 85 | 1.555 | 1.555 | 0.000 | 98 | 65076 | 20.0 | 20.1 | |
| 4 Chloromethane | 50 | 1.732 | 1.732 | 0.000 | 99 | 68689 | 20.0 | 17.8 | |
| 5 Vinyl chloride | 62 | 1.823 | 1.829 | -0.006 | 98 | 66642 | 20.0 | 19.6 | |
| 6 Butadiene | 39 | 1.835 | 1.841 | -0.006 | 99 | 62770 | 20.0 | 18.5 | |
| 7 Bromomethane | 94 | 2.146 | 2.146 | 0.000 | 98 | 42166 | 20.0 | 19.5 | |
| 8 Chloroethane | 64 | 2.207 | 2.219 | -0.012 | 99 | 37623 | 20.0 | 17.1 | |
| 10 Dichlorofluoromethane | 67 | 2.415 | 2.421 | -0.007 | 81 | 95387 | 20.0 | 19.9 | |
| 11 Pentane | 72 | 2.421 | 2.421 | 0.000 | 97 | 18152 | 40.0 | 44.6 | |
| 9 Trichlorofluoromethane | 101 | 2.427 | 2.427 | 0.000 | 56 | 78549 | 20.0 | 21.2 | |
| 12 Ethanol | 46 | 2.640 | 2.628 | 0.012 | 71 | 4948 | 800.0 | 391.0 | |
| 13 Ethyl ether | 59 | 2.628 | 2.634 | -0.006 | 91 | 38654 | 20.0 | 20.9 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.646 | 2.658 | -0.012 | 97 | 47176 | 20.0 | 23.2 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.725 | 2.719 | 0.006 | 89 | 41474 | 20.0 | 23.5 | |
| 16 Acrolein | 56 | 2.817 | 2.823 | -0.006 | 74 | 11669 | 40.0 | 30.1 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.847 | 2.853 | -0.006 | 61 | 49035 | 20.0 | 24.0 | |
| 18 1,1-Dichloroethene | 96 | 2.853 | 2.860 | -0.007 | 97 | 46692 | 20.0 | 23.7 | |
| 19 Acetone | 58 | 2.951 | 2.951 | 0.000 | 85 | 19447 | 100.0 | 99.7 | |
| 20 Iodomethane | 142 | 3.018 | 3.024 | -0.006 | 99 | 89147 | 20.0 | 25.4 | |
| 22 Isopropyl alcohol | 45 | 3.055 | 3.049 | 0.006 | 29 | 29999 | 200.0 | 184.9 | |
| 21 Carbon disulfide | 76 | 3.055 | 3.055 | 0.000 | 100 | 147857 | 20.0 | 20.7 | |
| 23 3-Chloro-1-propene | 76 | 3.177 | 3.183 | -0.006 | 89 | 31014 | 20.0 | 23.9 | |
| 25 Cyclopentene | 67 | 3.189 | 3.195 | -0.006 | 95 | 129963 | 20.0 | 25.2 | |
| 24 Methyl acetate | 43 | 3.195 | 3.201 | -0.006 | 99 | 82458 | 40.0 | 42.7 | |
| 26 Acetonitrile | 40 | 3.262 | 3.268 | -0.006 | 96 | 43140 | 200.0 | 199.9 | |
| 27 Methylene Chloride | 84 | 3.305 | 3.311 | -0.006 | 97 | 57883 | 20.0 | 23.0 | |
| * 28 TBA-d9 (IS) | 65 | 3.317 | 3.317 | 0.000 | 0 | 181029 | 1000.0 | 1000.0 | |
| 29 2-Methyl-2-propanol | 59 | 3.384 | 3.390 | -0.006 | 91 | 49329 | 200.0 | 199.6 | |
| 30 Methyl tert-butyl ether | 73 | 3.463 | 3.469 | -0.006 | 97 | 134627 | 20.0 | 21.8 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.487 | 3.487 | 0.000 | 97 | 53017 | 20.0 | 24.0 | |
| 32 Acrylonitrile | 53 | 3.567 | 3.567 | 0.000 | 93 | 224482 | 200.0 | 238.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 33 Hexane | 43 | 3.634 | 3.634 | 0.000 | 94 | 51197 | 20.0 | 23.5 | |
| 34 Isopropyl ether | 45 | 3.835 | 3.835 | 0.000 | 96 | 166019 | 20.0 | 21.7 | |
| 35 1,1-Dichloroethane | 63 | 3.859 | 3.865 | -0.006 | 99 | 97874 | 20.0 | 23.0 | |
| 36 Vinyl acetate | 86 | 3.884 | 3.878 | 0.006 | 100 | 18737 | 40.0 | 44.4 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.902 | 3.902 | 0.000 | 91 | 46054 | 20.0 | 24.8 | |
| 38 Tert-butyl ethyl ether | 59 | 4.115 | 4.115 | 0.000 | 90 | 136917 | 20.0 | 21.4 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.292 | 0.000 | 0 | 212833 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.310 | 4.317 | -0.007 | 75 | 16660 | 20.0 | 23.1 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.317 | 4.323 | -0.006 | 94 | 57555 | 20.0 | 24.0 | |
| 42 Ethyl acetate | 70 | 4.341 | 4.329 | 0.012 | 96 | 8318 | 40.0 | 42.4 | |
| 43 2-Butanone (MEK) | 72 | 4.335 | 4.341 | -0.006 | 95 | 24633 | 100.0 | 113.0 | |
| 44 Methyl acrylate | 55 | 4.384 | 4.378 | 0.006 | 98 | 38045 | 20.0 | 20.6 | a |
| 45 Propionitrile | 54 | 4.451 | 4.451 | 0.000 | 97 | 75097 | 200.0 | 208.9 | |
| 46 Chlorobromomethane | 128 | 4.512 | 4.506 | 0.006 | 91 | 29411 | 20.0 | 25.8 | |
| 47 Tetrahydrofuran | 72 | 4.506 | 4.518 | -0.012 | 54 | 12631 | 40.0 | 47.9 | |
| 48 Methacrylonitrile | 67 | 4.530 | 4.536 | -0.006 | 95 | 195295 | 200.0 | 222.1 | |
| 49 Chloroform | 83 | 4.548 | 4.554 | -0.006 | 98 | 90550 | 20.0 | 22.8 | |
| 50 Cyclohexane | 56 | 4.658 | 4.658 | 0.000 | 94 | 92571 | 20.0 | 23.3 | |
| 51 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.000 | 97 | 72798 | 20.0 | 21.6 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.676 | 4.682 | -0.006 | 97 | 90488 | 50.0 | 51.1 | |
| 54 Carbon tetrachloride | 117 | 4.768 | 4.768 | 0.000 | 97 | 60105 | 20.0 | 21.3 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 95 | 66444 | 20.0 | 21.9 | |
| 56 Isobutyl alcohol | 43 | 4.914 | 4.908 | 0.006 | 91 | 79034 | 500.0 | 454.8 | a |
| 57 Isooctane | 57 | 4.914 | 4.914 | 0.000 | 98 | 190502 | 20.0 | 23.6 | |
| 58 Benzene | 78 | 4.945 | 4.945 | -0.001 | 97 | 192587 | 20.0 | 23.9 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 104188 | 50.0 | 46.5 | |
| 60 Isopropyl acetate | 43 | 4.987 | 4.987 | 0.000 | 93 | 153094 | 20.0 | 22.1 | |
| 61 Tert-amyl methyl ether | 87 | 4.987 | 4.987 | 0.000 | 90 | 39795 | 20.0 | 21.1 | |
| 62 1,2-Dichloroethane | 62 | 5.012 | 5.018 | -0.006 | 96 | 67810 | 20.0 | 21.2 | |
| 63 n-Heptane | 71 | 5.054 | 5.060 | -0.006 | 94 | 42266 | 20.0 | 22.8 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 325159 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.377 | 5.383 | -0.006 | 93 | 21096 | 500.0 | 386.7 | |
| 66 Trichloroethene | 95 | 5.426 | 5.426 | 0.000 | 97 | 45825 | 20.0 | 21.6 | |
| 67 Ethyl acrylate | 56 | 5.518 | 5.518 | 0.000 | 96 | 34103 | 20.0 | 22.7 | |
| 68 Methylcyclohexane | 83 | 5.524 | 5.524 | 0.000 | 95 | 84671 | 20.0 | 23.2 | |
| 69 1,2-Dichloropropane | 63 | 5.646 | 5.646 | 0.000 | 93 | 47148 | 20.0 | 20.8 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.688 | 5.688 | 0.000 | 0 | 17382 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.688 | 5.694 | -0.006 | 92 | 18588 | 40.0 | 39.0 | |
| 72 n-Propyl acetate | 43 | 5.731 | 5.731 | 0.000 | 99 | 56898 | 20.0 | 18.8 | |
| 73 1,4-Dioxane | 88 | 5.731 | 5.731 | 0.000 | 37 | 9324 | 400.0 | 507.5 | |
| 74 Dibromomethane | 93 | 5.749 | 5.749 | 0.000 | 95 | 28977 | 20.0 | 20.9 | |
| 75 Dichlorobromomethane | 83 | 5.865 | 5.865 | 0.000 | 98 | 55186 | 20.0 | 20.0 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.127 | 6.127 | 0.000 | 85 | 20130 | 20.0 | 16.6 | |
| 77 2-Nitropropane | 41 | 6.133 | 6.139 | -0.006 | 82 | 19306 | 40.0 | 36.5 | |
| 78 Epichlorohydrin | 57 | 6.225 | 6.225 | 0.000 | 100 | 78441 | 400.0 | 421.5 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.274 | 6.274 | 0.000 | 93 | 56584 | 20.0 | 19.8 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.414 | 6.414 | 0.000 | 98 | 236135 | 100.0 | 107.3 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 99 | 278666 | 50.0 | 50.1 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 94 | 167537 | 20.0 | 21.3 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.804 | 6.804 | 0.000 | 96 | 45637 | 20.0 | 18.5 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 89 | 45218 | 20.0 | 18.9 | |
| 85 1,1,2-Trichloroethane | 83 | 6.962 | 6.962 | 0.000 | 95 | 30336 | 20.0 | 21.6 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 97 | 44977 | 20.0 | 23.4 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 94 | 55456 | 20.0 | 19.9 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 97 | 136914 | 100.0 | 100.9 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 9904 | 20.0 | 21.1 | |
| 90 Chlorodibromomethane | 129 | 7.249 | 7.249 | 0.000 | 97 | 32085 | 20.0 | 19.4 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 99 | 32918 | 20.0 | 21.3 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.657 | 0.000 | 87 | 220458 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 94 | 111292 | 20.0 | 22.1 | |
| 94 Ethylbenzene | 106 | 7.724 | 7.724 | 0.000 | 99 | 60886 | 20.0 | 22.3 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 95 | 41630 | 20.0 | 21.9 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 98 | 74946 | 20.0 | 22.2 | |
| 97 n-Butyl acrylate | 73 | 8.035 | 8.029 | 0.006 | 95 | 27868 | 20.0 | 20.5 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 94 | 78730 | 20.0 | 23.3 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 94 | 127188 | 20.0 | 22.2 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.169 | 8.170 | 0.000 | 89 | 87799 | 20.0 | 20.7 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 97 | 21909 | 20.0 | 20.5 | |
| 102 Isopropylbenzene | 105 | 8.285 | 8.285 | 0.000 | 96 | 204145 | 20.0 | 21.7 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.407 | 8.407 | 0.000 | 91 | 94420 | 50.0 | 51.8 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 95 | 53338 | 20.0 | 22.3 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 97 | 57211 | 20.0 | 22.4 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 99 | 254886 | 20.0 | 20.8 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 97 | 16320 | 20.0 | 22.2 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 79 | 15327 | 20.0 | 21.0 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 98 | 212418 | 20.0 | 20.2 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 97 | 174867 | 20.0 | 20.2 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 93 | 179657 | 20.0 | 20.8 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 98 | 154470 | 20.0 | 20.6 | |
| 112 Butyl Methacrylate | 87 | 8.663 | 8.663 | 0.000 | 96 | 59202 | 20.0 | 21.3 | |
| 114 tert-Butylbenzene | 119 | 8.804 | 8.804 | 0.000 | 95 | 141077 | 20.0 | 20.3 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.834 | 0.006 | 98 | 185274 | 20.0 | 20.9 | |
| 116 sec-Butylbenzene | 105 | 8.925 | 8.919 | 0.006 | 99 | 228991 | 20.0 | 21.3 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 98 | 197559 | 20.0 | 21.2 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 97 | 114791 | 20.0 | 22.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.053 | 9.053 | 0.000 | 94 | 146170 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.072 | 9.066 | 0.006 | 93 | 117996 | 20.0 | 22.8 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.072 | 9.072 | 0.000 | 98 | 200750 | 20.0 | 21.1 | |
| 121 Benzyl chloride | 91 | 9.151 | 9.145 | 0.006 | 98 | 92348 | 20.0 | 22.9 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.194 | 0.000 | 94 | 225577 | 20.0 | 22.6 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.206 | 0.006 | 93 | 135423 | 20.0 | 23.9 | |
| 124 n-Butylbenzene | 92 | 9.224 | 9.224 | 0.000 | 97 | 115621 | 20.0 | 22.4 | |
| 125 1,2-Dichlorobenzene | 146 | 9.285 | 9.285 | 0.000 | 95 | 112295 | 20.0 | 23.5 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.681 | 9.681 | 0.000 | 97 | 178630 | 20.0 | 24.1 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.773 | 9.773 | 0.000 | 94 | 9901 | 20.0 | 26.5 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.864 | 9.864 | 0.000 | 97 | 86493 | 20.0 | 29.8 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.322 | 10.322 | 0.000 | 93 | 70052 | 20.0 | 36.3 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.395 | 0.000 | 95 | 36090 | 20.0 | 29.8 | |
| 131 Naphthalene | 128 | 10.535 | 10.535 | 0.000 | 99 | 151225 | 20.0 | 44.9 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.736 | 10.736 | 0.000 | 95 | 60375 | 20.0 | 47.9 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 48.0 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 40.0 | 45.4 | |
| S 135 Total BTEX | 1 | | | | 0 | | 100.0 | 113.0 | |

## QC Flag Legend

Review Flags

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00178 | Amount Added: | 1.00 | Units: uL | Run Reagent |

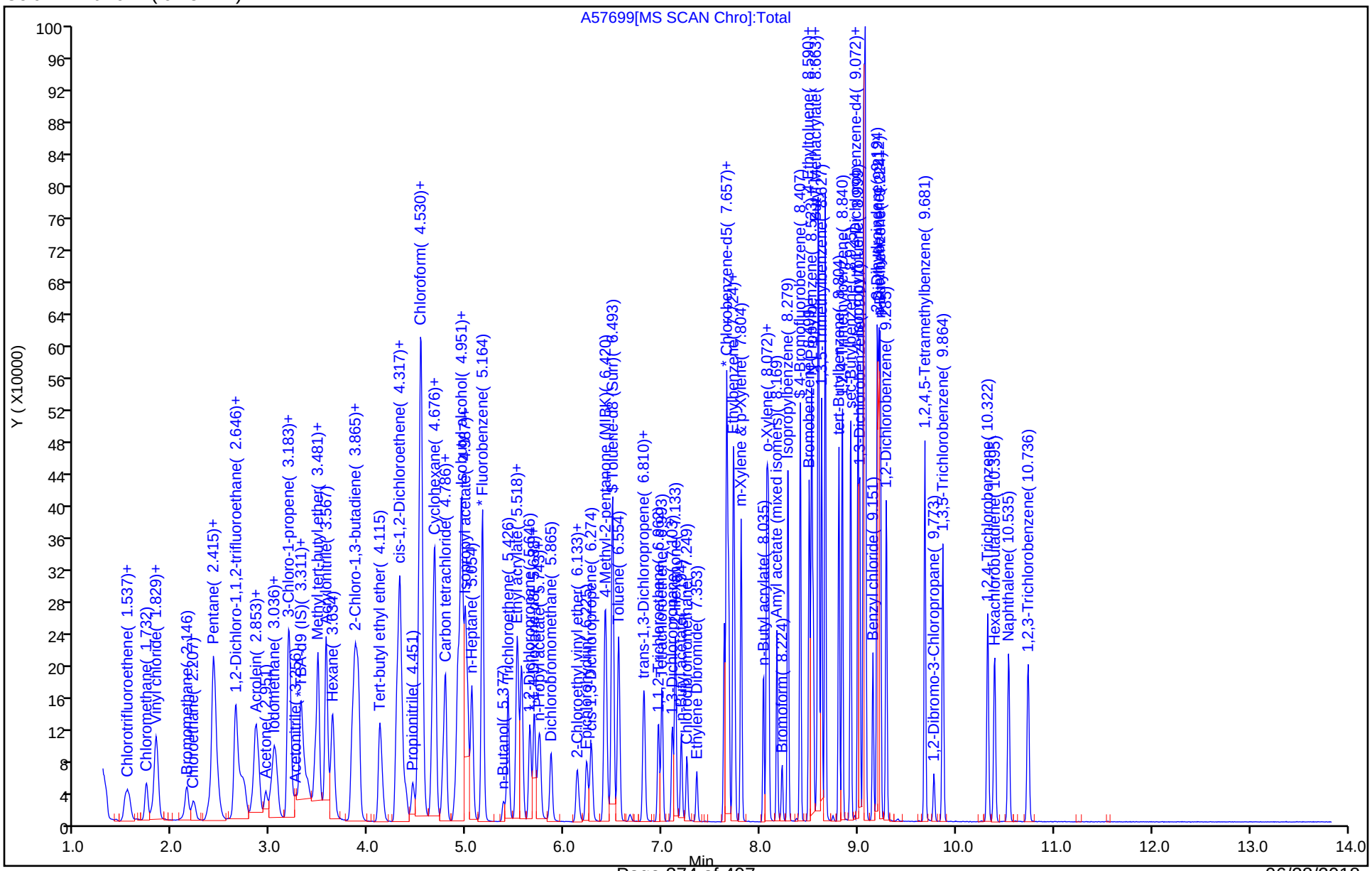
Report Date: 25-Jun-2018 09:47:33 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57699.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 25-Jun-2018 07:20:30 | 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 - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-530435/5

Matrix: Water | Lab File ID: F66668.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/23/2018 22:10

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.: 530435 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 14.9 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.0 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 17.3 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 17.6 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 15.1 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 16.6 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 18.0 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 307 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 70.4 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 69.9 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 73.1 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 61.3 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 17.1 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 16.4 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 17.1 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 13.8 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 15.7 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 15.3 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 16.8 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 15.5 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 17.1 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 14.5 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 17.4 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 17.4 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 16.7 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 16.3 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.7 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 18.0 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 15.6 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 16.8 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 16.5 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 18.0 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 16.0 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 14.0 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 33.6 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCSD 460-530435/5

Matrix: Water  Lab File ID: F66668.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/23/2018 22:10

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.: 530435  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 99 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 99 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66668.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 23-Jun-2018 22:10:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0074255-005
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Jun-2018 12:23:47 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: parekhv Date: 23-Jun-2018 22:58:48

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.541 | 1.533 | 0.008 | 76 | 32319 | 20.0 | 10.9 | |
| 2 Dichlorodifluoromethane | 85 | 1.566 | 1.566 | 0.000 | 97 | 74390 | 20.0 | 9.96 | |
| 3 Chloromethane | 50 | 1.747 | 1.747 | 0.000 | 99 | 117982 | 20.0 | 14.5 | |
| 4 Vinyl chloride | 62 | 1.837 | 1.837 | 0.000 | 97 | 107338 | 20.0 | 14.0 | |
| 5 Butadiene | 54 | 1.837 | 1.837 | 0.000 | 97 | 108617 | 20.0 | 16.7 | |
| 6 Bromomethane | 94 | 2.116 | 2.116 | 0.000 | 99 | 69897 | 20.0 | 13.8 | |
| 7 Chloroethane | 64 | 2.174 | 2.182 | -0.008 | 100 | 68311 | 20.0 | 15.5 | |
| 8 Dichlorofluoromethane | 67 | 2.355 | 2.355 | 0.000 | 99 | 152947 | 20.0 | 13.7 | |
| 10 Pentane | 72 | 2.363 | 2.363 | 0.000 | 97 | 25232 | 40.0 | 28.9 | |
| 9 Trichlorofluoromethane | 101 | 2.363 | 2.363 | 0.000 | 98 | 94061 | 20.0 | 11.7 | |
| 11 Ethanol | 46 | 2.560 | 2.552 | 0.008 | 72 | 6887 | 800.0 | 589.6 | |
| 12 Ethyl ether | 59 | 2.552 | 2.552 | 0.000 | 93 | 71676 | 20.0 | 19.7 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.576 | 2.576 | 0.000 | 95 | 67586 | 20.0 | 15.8 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.609 | 2.609 | 0.000 | 87 | 60363 | 20.0 | 14.9 | |
| 15 Acrolein | 56 | 2.724 | 2.733 | -0.009 | 28 | 2756 | 40.0 | 6.14 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.749 | 2.749 | 0.000 | 96 | 65571 | 20.0 | 14.0 | |
| 17 1,1-Dichloroethene | 96 | 2.765 | 2.765 | 0.000 | 97 | 66681 | 20.0 | 15.1 | |
| 18 Acetone | 43 | 2.848 | 2.848 | 0.000 | 87 | 95128 | 100.0 | 61.3 | |
| 19 Iodomethane | 142 | 2.913 | 2.922 | -0.009 | 98 | 121616 | 20.0 | 15.6 | |
| 20 Isopropyl alcohol | 45 | 2.938 | 2.946 | -0.008 | 27 | 43419 | 200.0 | 251.0 | |
| 21 Carbon disulfide | 76 | 2.954 | 2.954 | 0.000 | 99 | 270877 | 20.0 | 15.7 | |
| 22 3-Chloro-1-propene | 41 | 3.069 | 3.069 | 0.000 | 97 | 163434 | 20.0 | 17.6 | |
| 24 Methyl acetate | 43 | 3.078 | 3.078 | 0.000 | 99 | 115002 | 40.0 | 41.6 | |
| 23 Cyclopentene | 67 | 3.086 | 3.086 | 0.000 | 94 | 185371 | 20.0 | 16.2 | |
| 25 Acetonitrile | 41 | 3.152 | 3.152 | 0.000 | 94 | 82930 | 200.0 | 177.9 | a |
| 27 Methylene Chloride | 84 | 3.193 | 3.193 | 0.000 | 95 | 94193 | 20.0 | 17.7 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 113934 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.258 | 3.258 | 0.000 | 33 | 62886 | 200.0 | 190.9 | M |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.349 | 0.000 | 97 | 242446 | 20.0 | 18.3 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.374 | 3.374 | 0.000 | 96 | 81160 | 20.0 | 16.5 | |
| 31 Acrylonitrile | 53 | 3.447 | 3.447 | 0.000 | 94 | 300851 | 200.0 | 184.6 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Hexane | 43 | 3.521 | 3.521 | 0.000 | 94 | 67446 | 20.0 | 15.7 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.727 | 0.000 | 98 | 317843 | 20.0 | 19.3 | |
| 34 1,1-Dichloroethane | 63 | 3.768 | 3.768 | 0.000 | 99 | 157500 | 20.0 | 17.6 | |
| 35 Vinyl acetate | 86 | 3.776 | 3.776 | 0.000 | 100 | 31303 | 40.0 | 37.4 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.809 | 0.000 | 90 | 74113 | 20.0 | 17.7 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.039 | 0.000 | 89 | 282312 | 20.0 | 18.6 | |
| * 38 2-Butanone-d5 | 46 | 4.236 | 4.245 | -0.009 | 0 | 155681 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.269 | 4.261 | 0.008 | 93 | 28573 | 20.0 | 16.0 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.277 | 4.277 | 0.000 | 95 | 94414 | 20.0 | 17.4 | |
| 41 2-Butanone (MEK) | 72 | 4.302 | 4.286 | 0.016 | 95 | 39103 | 100.0 | 70.4 | |
| 42 Ethyl acetate | 70 | 4.277 | 4.294 | -0.017 | 95 | 15683 | 40.0 | 28.8 | |
| 43 Methyl acrylate | 55 | 4.351 | 4.351 | 0.000 | 55 | 64855 | 20.0 | 19.4 | |
| 44 Propionitrile | 54 | 4.425 | 4.434 | -0.009 | 98 | 104592 | 200.0 | 206.1 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 89 | 42854 | 20.0 | 17.6 | |
| 46 Tetrahydrofuran | 72 | 4.507 | 4.507 | 0.000 | 63 | 20136 | 40.0 | 29.8 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.524 | 0.000 | 91 | 321444 | 200.0 | 200.6 | |
| 48 Chloroform | 83 | 4.549 | 4.557 | -0.008 | 98 | 139732 | 20.0 | 17.1 | |
| 49 Cyclohexane | 84 | 4.688 | 4.688 | 0.000 | 92 | 111325 | 20.0 | 15.5 | |
| 50 1,1,1-Trichloroethane | 97 | 4.696 | 4.696 | 0.000 | 98 | 107989 | 20.0 | 14.9 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.713 | 4.713 | 0.000 | 96 | 79750 | 50.0 | 49.7 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.820 | 0.000 | 98 | 88752 | 20.0 | 15.3 | |
| 53 1,1-Dichloropropene | 75 | 4.844 | 4.844 | 0.000 | 97 | 105486 | 20.0 | 16.3 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.992 | 0.000 | 89 | 88579 | 500.0 | 396.6 | a |
| 55 Benzene | 78 | 5.042 | 5.042 | 0.000 | 97 | 337153 | 20.0 | 17.1 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.058 | 0.000 | 0 | 89829 | 50.0 | 46.1 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.091 | 0.000 | 96 | 231701 | 20.0 | 18.5 | |
| 58 Tert-amyl methyl ether | 73 | 5.099 | 5.099 | 0.000 | 96 | 287615 | 20.0 | 18.7 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.132 | 0.000 | 96 | 101522 | 20.0 | 16.6 | |
| 60 n-Heptane | 57 | 5.181 | 5.181 | 0.000 | 93 | 53823 | 20.0 | 15.4 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 99 | 325189 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.641 | 5.641 | 0.000 | 87 | 23192 | 500.0 | 504.6 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 98 | 76648 | 20.0 | 16.0 | |
| 65 Ethyl acrylate | 55 | 5.789 | 5.798 | -0.009 | 94 | 185640 | 20.0 | 17.5 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.798 | 0.000 | 85 | 129871 | 20.0 | 15.6 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 95 | 89666 | 20.0 | 18.0 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.036 | 6.036 | 0.000 | 0 | 7753 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.028 | 6.036 | -0.008 | 91 | 36938 | 40.0 | 38.7 | |
| 69 1,4-Dioxane | 88 | 6.085 | 6.085 | 0.000 | 29 | 9713 | 400.0 | 307.4 | |
| 70 n-Propyl acetate | 43 | 6.085 | 6.093 | -0.008 | 98 | 100112 | 20.0 | 20.7 | |
| 71 Dibromomethane | 93 | 6.093 | 6.093 | 0.000 | 87 | 48368 | 20.0 | 17.3 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 100 | 101951 | 20.0 | 16.4 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 80 | 50892 | 20.0 | 20.9 | |
| 73 2-Nitropropane | 41 | 6.570 | 6.570 | 0.000 | 79 | 31318 | 40.0 | 34.7 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 133113 | 400.0 | 291.2 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 91 | 127150 | 20.0 | 17.4 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.899 | 0.000 | 96 | 368416 | 100.0 | 73.1 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.981 | 0.000 | 99 | 318510 | 50.0 | 48.1 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 94 | 334563 | 20.0 | 16.8 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 97 | 108990 | 20.0 | 18.0 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 90 | 95350 | 20.0 | 18.8 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 97 | 58398 | 20.0 | 17.3 | |
| 83 Tetrachloroethene | 166 | 7.663 | 7.671 | -0.008 | 96 | 73371 | 20.0 | 15.6 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 84 1,3-Dichloropropane | 76 | 7.835 | 7.835 | 0.000 | 94 | 118692 | 20.0 | 18.8 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 96 | 202521 | 100.0 | 69.9 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 99 | 124474 | 20.0 | 20.6 | |
| 87 Chlorodibromomethane | 129 | 8.065 | 8.065 | 0.000 | 99 | 68713 | 20.0 | 16.7 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.222 | 0.000 | 99 | 64749 | 20.0 | 18.5 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 86 | 227993 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 94 | 201594 | 20.0 | 16.8 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.904 | 0.000 | 98 | 115537 | 20.0 | 16.3 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 96 | 72000 | 20.0 | 15.8 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 143069 | 20.0 | 16.9 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 98 | 57199 | 20.0 | 16.9 | |
| 95 o-Xylene | 106 | 9.503 | 9.503 | 0.000 | 94 | 145707 | 20.0 | 16.7 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 96 | 235503 | 20.0 | 18.0 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 93 | 141286 | 20.0 | 20.0 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 97 | 42864 | 20.0 | 17.1 | |
| 99 Isopropylbenzene | 105 | 9.848 | 9.848 | 0.000 | 96 | 360564 | 20.0 | 16.5 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 91 | 92958 | 50.0 | 49.4 | |
| 101 Bromobenzene | 156 | 10.152 | 10.152 | 0.000 | 99 | 87927 | 20.0 | 17.2 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.185 | 10.185 | 0.000 | 98 | 89689 | 20.0 | 18.0 | |
| 103 N-Propylbenzene | 91 | 10.202 | 10.202 | 0.000 | 99 | 425657 | 20.0 | 17.1 | |
| 104 1,2,3-Trichloropropane | 110 | 10.226 | 10.226 | 0.000 | 96 | 24036 | 20.0 | 17.7 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 81 | 15266 | 20.0 | 12.2 | |
| 106 2-Chlorotoluene | 91 | 10.300 | 10.300 | 0.000 | 92 | 294100 | 20.0 | 16.8 | |
| 107 4-Ethyltoluene | 105 | 10.300 | 10.300 | 0.000 | 89 | 348477 | 20.0 | 16.8 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.350 | 10.350 | 0.000 | 93 | 306055 | 20.0 | 16.8 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 268833 | 20.0 | 17.2 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 90 | 109403 | 20.0 | 17.4 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 94 | 241328 | 20.0 | 16.8 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 315919 | 20.0 | 17.2 | |
| 113 sec-Butylbenzene | 105 | 10.744 | 10.744 | 0.000 | 99 | 369405 | 20.0 | 16.9 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 97 | 313706 | 20.0 | 16.8 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 94 | 169205 | 20.0 | 16.8 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.908 | 10.908 | 0.000 | 95 | 124641 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 94 | 176657 | 20.0 | 17.3 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 98 | 335479 | 20.0 | 17.3 | |
| 118 Benzyl chloride | 91 | 11.023 | 11.023 | 0.000 | 99 | 173590 | 20.0 | 18.3 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.073 | 0.000 | 95 | 328641 | 20.0 | 17.4 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 92 | 179052 | 20.0 | 16.1 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 98 | 168700 | 20.0 | 16.6 | |
| 122 1,2-Dichlorobenzene | 146 | 11.171 | 11.171 | 0.000 | 96 | 170956 | 20.0 | 17.2 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.590 | 11.582 | 0.008 | 98 | 299722 | 20.0 | 16.6 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.664 | 11.664 | 0.000 | 97 | 14269 | 20.0 | 15.6 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.747 | 0.000 | 97 | 123690 | 20.0 | 16.1 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.149 | 12.149 | 0.000 | 95 | 112922 | 20.0 | 17.1 | |
| 127 Hexachlorobutadiene | 225 | 12.215 | 12.207 | 0.008 | 96 | 49563 | 20.0 | 16.3 | |
| 128 Naphthalene | 128 | 12.322 | 12.322 | 0.000 | 99 | 260941 | 20.0 | 17.4 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.486 | 12.486 | 0.000 | 96 | 103555 | 20.0 | 17.0 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 33.9 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 40.0 | 33.6 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00011 | Amount Added: | 5.00 | Units: uL | Run Reagent |

Report Date: 24-Jun-2018 12:23:49 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180623-74255.b\F66668.D

Injection Date: 23-Jun-2018 22:10:30 Instrument ID: CVOAMS6 Operator ID:

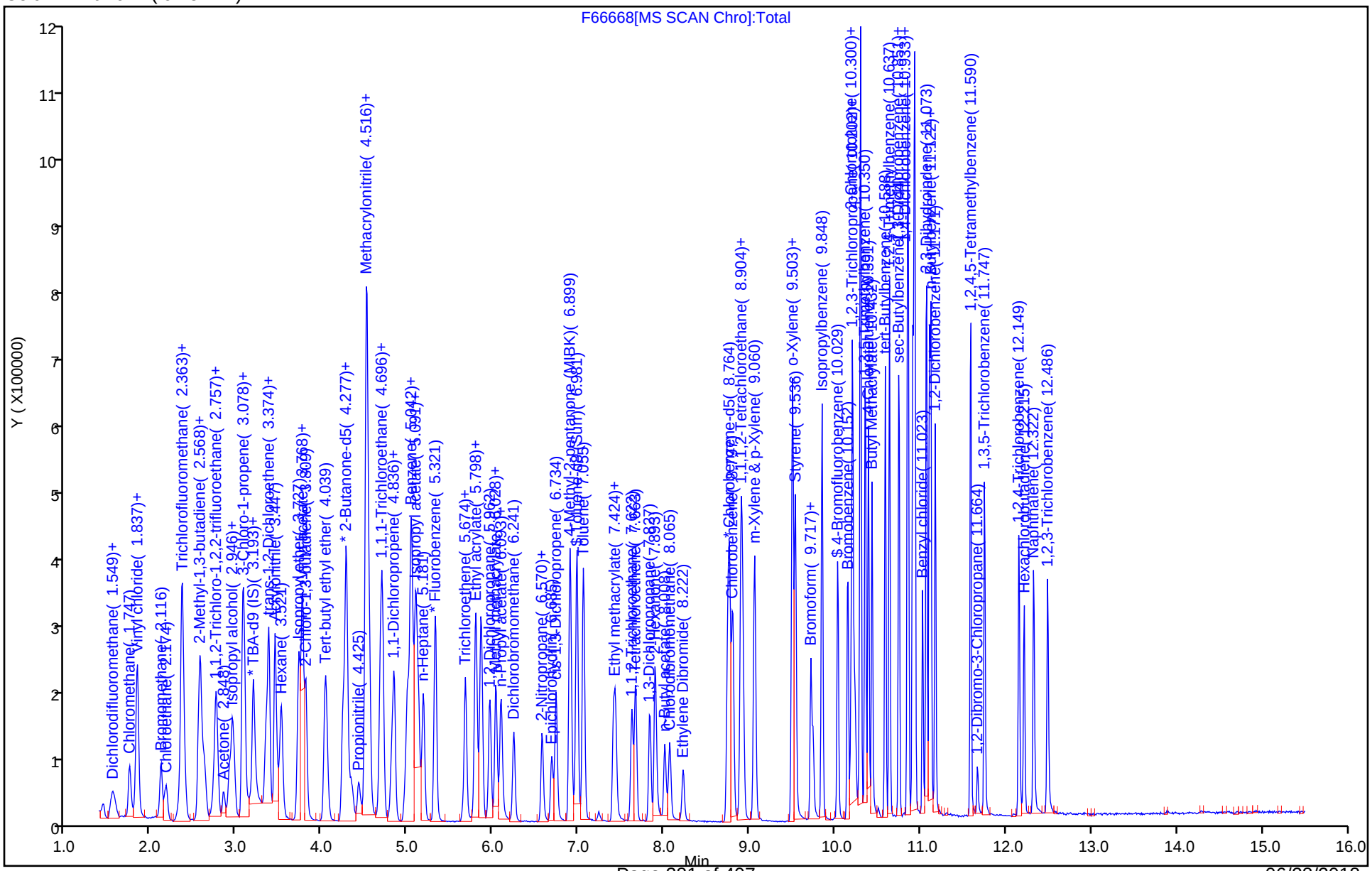
Lims ID: LCSD Worklist Smp#: 5

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-530535/5

Matrix: Water | Lab File ID: F66697.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2018 09:58

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.: 530535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 16.9 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.7 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 16.7 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 18.0 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 16.4 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 16.3 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 18.4 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 292 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 67.4 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 67.2 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 71.6 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 70.9 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 17.1 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 17.0 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 17.3 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 18.2 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 17.1 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 17.3 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 17.3 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 19.8 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 17.6 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 18.2 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 17.9 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 16.3 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 16.6 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 17.2 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.8 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 18.3 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 17.4 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 17.1 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 16.9 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 16.8 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 16.4 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 19.4 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 35.5 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCSD 460-530535/5

Matrix: Water  Lab File ID: F66697.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/24/2018 09:58

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.: 530535  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 101 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 102 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66697.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 24-Jun-2018 09:58:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0074278-005
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 26-Jun-2018 14:58:11 Calib Date: 05-Jun-2018 05:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20180604-73199.b\F65712.D

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

First Level Reviewer: starzecm Date: 24-Jun-2018 12:39:27

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.541 | 1.525 | 0.016 | 89 | 28827 | 20.0 | 11.6 | |
| 2 Dichlorodifluoromethane | 85 | 1.574 | 1.558 | 0.016 | 99 | 96391 | 20.0 | 15.4 | |
| 3 Chloromethane | 50 | 1.747 | 1.730 | 0.017 | 99 | 124182 | 20.0 | 18.2 | |
| 4 Vinyl chloride | 62 | 1.837 | 1.829 | 0.008 | 97 | 124963 | 20.0 | 19.4 | |
| 5 Butadiene | 54 | 1.837 | 1.829 | 0.008 | 96 | 127885 | 20.0 | 23.4 | |
| 6 Bromomethane | 94 | 2.117 | 2.108 | 0.009 | 97 | 77494 | 20.0 | 18.2 | |
| 7 Chloroethane | 64 | 2.174 | 2.166 | 0.008 | 100 | 73385 | 20.0 | 19.8 | |
| 8 Dichlorofluoromethane | 67 | 2.355 | 2.346 | 0.009 | 99 | 167840 | 20.0 | 17.9 | |
| 10 Pentane | 72 | 2.371 | 2.355 | 0.016 | 97 | 22643 | 40.0 | 25.8 | |
| 9 Trichlorofluoromethane | 101 | 2.363 | 2.355 | 0.008 | 55 | 118420 | 20.0 | 17.5 | |
| 11 Ethanol | 46 | 2.568 | 2.544 | 0.024 | 70 | 11038 | 800.0 | 943.0 | |
| 12 Ethyl ether | 59 | 2.552 | 2.544 | 0.008 | 94 | 56361 | 20.0 | 18.4 | |
| 13 2-Methyl-1,3-butadiene | 53 | 2.577 | 2.568 | 0.009 | 96 | 61133 | 20.0 | 17.0 | |
| 14 1,2-Dichloro-1,1,2-trifluo | 117 | 2.618 | 2.601 | 0.017 | 94 | 58344 | 20.0 | 17.2 | |
| 15 Acrolein | 56 | 2.741 | 2.716 | 0.025 | 29 | 3215 | 40.0 | 7.12 | |
| 16 1,1,2-Trichloro-1,2,2-trif | 101 | 2.741 | 2.741 | 0.000 | 96 | 69496 | 20.0 | 17.6 | |
| 17 1,1-Dichloroethene | 96 | 2.757 | 2.749 | 0.008 | 96 | 60640 | 20.0 | 16.4 | |
| 18 Acetone | 43 | 2.856 | 2.839 | 0.017 | 87 | 90064 | 100.0 | 70.9 | |
| 19 Iodomethane | 142 | 2.914 | 2.905 | 0.009 | 97 | 109170 | 20.0 | 16.7 | |
| 20 Isopropyl alcohol | 45 | 2.938 | 2.938 | 0.000 | 27 | 45891 | 200.0 | 264.0 | |
| 21 Carbon disulfide | 76 | 2.955 | 2.938 | 0.017 | 99 | 248387 | 20.0 | 17.1 | |
| 22 3-Chloro-1-propene | 41 | 3.070 | 3.061 | 0.009 | 97 | 139028 | 20.0 | 17.8 | |
| 24 Methyl acetate | 43 | 3.078 | 3.069 | 0.009 | 98 | 93479 | 40.0 | 40.2 | |
| 23 Cyclopentene | 67 | 3.086 | 3.078 | 0.008 | 94 | 170954 | 20.0 | 17.8 | |
| 25 Acetonitrile | 41 | 3.144 | 3.143 | 0.001 | 98 | 88026 | 200.0 | 187.6 | |
| 27 Methylene Chloride | 84 | 3.193 | 3.185 | 0.009 | 96 | 79683 | 20.0 | 17.8 | |
| * 26 TBA-d9 (IS) | 65 | 3.201 | 3.201 | 0.000 | 0 | 114505 | 1000.0 | 1000.0 | |
| 28 2-Methyl-2-propanol | 59 | 3.267 | 3.258 | 0.009 | 91 | 63272 | 200.0 | 191.1 | M |
| 29 Methyl tert-butyl ether | 73 | 3.349 | 3.341 | 0.008 | 97 | 209493 | 20.0 | 18.8 | |
| 30 trans-1,2-Dichloroethene | 96 | 3.374 | 3.365 | 0.009 | 97 | 69824 | 20.0 | 16.9 | |
| 31 Acrylonitrile | 53 | 3.448 | 3.439 | 0.009 | 97 | 255476 | 200.0 | 186.5 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 32 Hexane | 43 | 3.522 | 3.513 | 0.009 | 93 | 68445 | 20.0 | 19.0 | |
| 33 Isopropyl ether | 45 | 3.727 | 3.719 | 0.008 | 99 | 264478 | 20.0 | 19.1 | |
| 34 1,1-Dichloroethane | 63 | 3.768 | 3.760 | 0.008 | 99 | 135260 | 20.0 | 18.0 | |
| 35 Vinyl acetate | 86 | 3.776 | 3.768 | 0.008 | 100 | 25926 | 40.0 | 36.9 | |
| 36 2-Chloro-1,3-butadiene | 88 | 3.809 | 3.801 | 0.008 | 90 | 64376 | 20.0 | 18.3 | |
| 37 Tert-butyl ethyl ether | 59 | 4.039 | 4.031 | 0.008 | 88 | 231602 | 20.0 | 18.1 | |
| * 38 2-Butanone-d5 | 46 | 4.245 | 4.236 | 0.009 | 0 | 128945 | 250.0 | 250.0 | |
| 39 2,2-Dichloropropane | 97 | 4.253 | 4.253 | 0.000 | 95 | 26536 | 20.0 | 17.7 | |
| 40 cis-1,2-Dichloroethene | 96 | 4.278 | 4.277 | 0.001 | 94 | 81660 | 20.0 | 17.9 | |
| 41 2-Butanone (MEK) | 72 | 4.294 | 4.294 | 0.000 | 96 | 31029 | 100.0 | 67.4 | |
| 42 Ethyl acetate | 70 | 4.294 | 4.294 | 0.000 | 97 | 12586 | 40.0 | 27.9 | |
| 43 Methyl acrylate | 55 | 4.352 | 4.343 | 0.009 | 98 | 49881 | 20.0 | 17.5 | |
| 44 Propionitrile | 54 | 4.425 | 4.425 | 0.000 | 99 | 93937 | 200.0 | 184.1 | |
| 45 Chlorobromomethane | 128 | 4.499 | 4.499 | 0.000 | 94 | 36419 | 20.0 | 17.8 | |
| 46 Tetrahydrofuran | 72 | 4.508 | 4.499 | 0.009 | 54 | 15487 | 40.0 | 27.7 | |
| 47 Methacrylonitrile | 67 | 4.524 | 4.516 | 0.008 | 91 | 259701 | 200.0 | 192.8 | |
| 48 Chloroform | 83 | 4.549 | 4.549 | 0.001 | 99 | 120890 | 20.0 | 17.6 | |
| 49 Cyclohexane | 84 | 4.688 | 4.680 | 0.008 | 92 | 114828 | 20.0 | 19.0 | |
| 50 1,1,1-Trichloroethane | 97 | 4.697 | 4.696 | 0.001 | 99 | 102791 | 20.0 | 16.9 | |
| $ 51 Dibromofluoromethane (Surr | 113 | 4.713 | 4.705 | 0.008 | 96 | 68430 | 50.0 | 50.8 | |
| 52 Carbon tetrachloride | 117 | 4.820 | 4.811 | 0.009 | 97 | 84498 | 20.0 | 17.3 | |
| 53 1,1-Dichloropropene | 75 | 4.845 | 4.836 | 0.009 | 98 | 96093 | 20.0 | 17.6 | |
| 54 Isobutyl alcohol | 43 | 4.992 | 4.984 | 0.008 | 43 | 107730 | 500.0 | 480.0 | |
| 55 Benzene | 78 | 5.042 | 5.033 | 0.009 | 98 | 287734 | 20.0 | 17.1 | |
| $ 56 1,2-Dichloroethane-d4 (Sur | 65 | 5.058 | 5.050 | 0.008 | 0 | 73678 | 50.0 | 45.0 | |
| 57 Isopropyl acetate | 43 | 5.091 | 5.083 | 0.008 | 96 | 195028 | 20.0 | 18.5 | |
| 58 Tert-amyl methyl ether | 73 | 5.091 | 5.091 | 0.000 | 92 | 243674 | 20.0 | 18.9 | |
| 59 1,2-Dichloroethane | 62 | 5.132 | 5.124 | 0.008 | 96 | 83920 | 20.0 | 16.3 | |
| 60 n-Heptane | 57 | 5.181 | 5.173 | 0.008 | 92 | 59037 | 20.0 | 20.1 | |
| * 61 Fluorobenzene | 96 | 5.321 | 5.321 | 0.000 | 98 | 273275 | 50.0 | 50.0 | |
| 62 n-Butanol | 56 | 5.650 | 5.641 | 0.009 | 83 | 25505 | 500.0 | 549.3 | |
| 63 Trichloroethene | 95 | 5.674 | 5.674 | 0.000 | 98 | 66192 | 20.0 | 16.4 | |
| 65 Ethyl acrylate | 55 | 5.798 | 5.789 | 0.009 | 93 | 176789 | 20.0 | 19.8 | |
| 64 Methylcyclohexane | 83 | 5.798 | 5.789 | 0.009 | 88 | 137089 | 20.0 | 19.5 | |
| 66 1,2-Dichloropropane | 63 | 5.962 | 5.962 | 0.000 | 93 | 76950 | 20.0 | 18.4 | |
| * 67 1,4-Dioxane-d8 | 96 | 6.028 | 6.019 | 0.009 | 0 | 9257 | 1000.0 | 1000.0 | |
| 68 Methyl methacrylate | 100 | 6.028 | 6.036 | -0.008 | 88 | 30170 | 40.0 | 37.6 | |
| 69 1,4-Dioxane | 88 | 6.085 | 6.085 | 0.000 | 25 | 11026 | 400.0 | 292.1 | |
| 70 n-Propyl acetate | 43 | 6.094 | 6.085 | 0.009 | 98 | 80309 | 20.0 | 19.8 | |
| 71 Dibromomethane | 93 | 6.094 | 6.093 | 0.001 | 78 | 39555 | 20.0 | 16.8 | |
| 72 Dichlorobromomethane | 83 | 6.241 | 6.241 | 0.000 | 99 | 88664 | 20.0 | 17.0 | |
| 74 2-Chloroethyl vinyl ether | 63 | 6.570 | 6.570 | 0.000 | 78 | 36858 | 20.0 | 18.0 | |
| 73 2-Nitropropane | 41 | 6.578 | 6.570 | 0.008 | 81 | 24219 | 40.0 | 31.9 | |
| 75 Epichlorohydrin | 57 | 6.685 | 6.685 | 0.000 | 99 | 107938 | 400.0 | 285.1 | |
| 76 cis-1,3-Dichloropropene | 75 | 6.734 | 6.734 | 0.000 | 89 | 101816 | 20.0 | 16.3 | |
| 77 4-Methyl-2-pentanone (MIBK | 43 | 6.899 | 6.899 | 0.000 | 96 | 299000 | 100.0 | 71.6 | |
| $ 78 Toluene-d8 (Surr) | 98 | 6.981 | 6.973 | 0.009 | 99 | 273292 | 50.0 | 48.4 | |
| 79 Toluene | 91 | 7.055 | 7.055 | 0.000 | 93 | 288957 | 20.0 | 17.1 | |
| 80 trans-1,3-Dichloropropene | 75 | 7.408 | 7.408 | 0.000 | 96 | 86413 | 20.0 | 16.8 | |
| 81 Ethyl methacrylate | 69 | 7.433 | 7.433 | 0.000 | 89 | 80321 | 20.0 | 18.5 | |
| 82 1,1,2-Trichloroethane | 83 | 7.622 | 7.622 | 0.000 | 96 | 47988 | 20.0 | 16.7 | |
| 83 Tetrachloroethene | 166 | 7.663 | 7.663 | 0.000 | 96 | 69921 | 20.0 | 17.4 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 84 1,3-Dichloropropane | 76 | 7.836 | 7.827 | 0.009 | 92 | 96210 | 20.0 | 17.8 | |
| 85 2-Hexanone | 43 | 7.893 | 7.893 | 0.000 | 95 | 161149 | 100.0 | 67.2 | |
| 86 n-Butyl acetate | 43 | 8.008 | 8.008 | 0.000 | 99 | 100660 | 20.0 | 19.5 | |
| 87 Chlorodibromomethane | 129 | 8.066 | 8.065 | 0.001 | 98 | 58253 | 20.0 | 16.6 | |
| 88 Ethylene Dibromide | 107 | 8.222 | 8.221 | 0.001 | 100 | 51506 | 20.0 | 17.2 | |
| * 89 Chlorobenzene-d5 | 117 | 8.764 | 8.764 | 0.000 | 87 | 194338 | 50.0 | 50.0 | |
| 90 Chlorobenzene | 112 | 8.805 | 8.805 | 0.000 | 95 | 177160 | 20.0 | 17.3 | |
| 91 Ethylbenzene | 106 | 8.904 | 8.895 | 0.009 | 98 | 104164 | 20.0 | 17.2 | |
| 92 1,1,1,2-Tetrachloroethane | 131 | 8.920 | 8.920 | 0.000 | 96 | 68313 | 20.0 | 17.5 | |
| 93 m-Xylene & p-Xylene | 106 | 9.060 | 9.060 | 0.000 | 0 | 127959 | 20.0 | 17.8 | |
| 94 n-Butyl acrylate | 73 | 9.495 | 9.495 | 0.000 | 98 | 48791 | 20.0 | 16.9 | |
| 95 o-Xylene | 106 | 9.504 | 9.503 | 0.001 | 93 | 131853 | 20.0 | 17.7 | |
| 96 Styrene | 104 | 9.536 | 9.536 | 0.000 | 96 | 204410 | 20.0 | 18.3 | |
| 97 Amyl acetate (mixed isomer | 43 | 9.717 | 9.717 | 0.000 | 91 | 115790 | 20.0 | 19.0 | |
| 98 Bromoform | 173 | 9.742 | 9.742 | 0.000 | 97 | 36947 | 20.0 | 17.3 | |
| 99 Isopropylbenzene | 105 | 9.849 | 9.848 | 0.001 | 96 | 341654 | 20.0 | 18.3 | |
| $ 100 4-Bromofluorobenzene | 174 | 10.029 | 10.029 | 0.000 | 90 | 81366 | 50.0 | 50.7 | |
| 101 Bromobenzene | 156 | 10.153 | 10.152 | 0.001 | 99 | 79568 | 20.0 | 18.0 | |
| 102 1,1,2,2-Tetrachloroethane | 83 | 10.186 | 10.185 | 0.001 | 99 | 80753 | 20.0 | 18.7 | |
| 103 N-Propylbenzene | 91 | 10.202 | 10.202 | 0.000 | 99 | 414024 | 20.0 | 19.2 | |
| 104 1,2,3-Trichloropropane | 110 | 10.227 | 10.226 | 0.001 | 95 | 21398 | 20.0 | 18.2 | |
| 105 trans-1,4-Dichloro-2-buten | 53 | 10.243 | 10.243 | 0.000 | 83 | 10688 | 20.0 | 9.86 | |
| 106 2-Chlorotoluene | 91 | 10.301 | 10.300 | 0.001 | 92 | 280478 | 20.0 | 18.5 | |
| 107 4-Ethyltoluene | 105 | 10.301 | 10.300 | 0.001 | 90 | 337281 | 20.0 | 18.8 | |
| 108 1,3,5-Trimethylbenzene | 105 | 10.350 | 10.350 | 0.000 | 93 | 293980 | 20.0 | 18.7 | |
| 109 4-Chlorotoluene | 91 | 10.391 | 10.391 | 0.000 | 97 | 245814 | 20.0 | 18.2 | |
| 110 Butyl Methacrylate | 87 | 10.432 | 10.432 | 0.000 | 90 | 98406 | 20.0 | 18.0 | |
| 111 tert-Butylbenzene | 119 | 10.588 | 10.588 | 0.000 | 95 | 226850 | 20.0 | 18.3 | |
| 112 1,2,4-Trimethylbenzene | 105 | 10.637 | 10.637 | 0.000 | 97 | 295156 | 20.0 | 18.5 | |
| 113 sec-Butylbenzene | 105 | 10.744 | 10.744 | 0.000 | 99 | 360436 | 20.0 | 19.0 | |
| 114 4-Isopropyltoluene | 119 | 10.851 | 10.851 | 0.000 | 97 | 311917 | 20.0 | 19.3 | |
| 115 1,3-Dichlorobenzene | 146 | 10.859 | 10.859 | 0.000 | 96 | 162422 | 20.0 | 18.6 | |
| * 116 1,4-Dichlorobenzene-d4 | 152 | 10.909 | 10.908 | 0.001 | 93 | 108016 | 50.0 | 50.0 | |
| 117 1,4-Dichlorobenzene | 146 | 10.925 | 10.925 | 0.000 | 95 | 164916 | 20.0 | 18.6 | |
| 132 1,2,3-Trimethylbenzene | 105 | 10.933 | 10.933 | 0.000 | 97 | 309004 | 20.0 | 18.4 | |
| 118 Benzyl chloride | 91 | 11.024 | 11.023 | 0.001 | 99 | 158706 | 20.0 | 19.3 | |
| 119 2,3-Dihydroindene | 117 | 11.073 | 11.065 | 0.008 | 95 | 312268 | 20.0 | 19.1 | |
| 120 p-Diethylbenzene | 119 | 11.106 | 11.106 | 0.000 | 94 | 179714 | 20.0 | 18.7 | |
| 121 n-Butylbenzene | 92 | 11.122 | 11.122 | 0.000 | 97 | 171225 | 20.0 | 19.4 | |
| 122 1,2-Dichlorobenzene | 146 | 11.172 | 11.171 | 0.001 | 97 | 165066 | 20.0 | 19.1 | |
| 123 1,2,4,5-Tetramethylbenzene | 119 | 11.582 | 11.582 | 0.000 | 97 | 299899 | 20.0 | 19.1 | |
| 124 1,2-Dibromo-3-Chloropropan | 75 | 11.665 | 11.656 | 0.009 | 97 | 13128 | 20.0 | 16.6 | |
| 125 1,3,5-Trichlorobenzene | 180 | 11.747 | 11.747 | 0.000 | 97 | 126674 | 20.0 | 19.1 | |
| 126 1,2,4-Trichlorobenzene | 180 | 12.149 | 12.149 | 0.000 | 94 | 115606 | 20.0 | 20.2 | |
| 127 Hexachlorobutadiene | 225 | 12.215 | 12.207 | 0.008 | 95 | 51220 | 20.0 | 19.4 | |
| 128 Naphthalene | 128 | 12.322 | 12.313 | 0.009 | 99 | 254183 | 20.0 | 19.5 | |
| 129 1,2,3-Trichlorobenzene | 180 | 12.486 | 12.478 | 0.008 | 95 | 101548 | 20.0 | 19.2 | |
| S 130 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 34.8 | |
| S 131 Xylenes, Total | 100 | | | | 0 | | 40.0 | 35.5 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| VOA6IS/SURR_00011 | Amount Added: | 5.00 | Units: uL | Run Reagent |

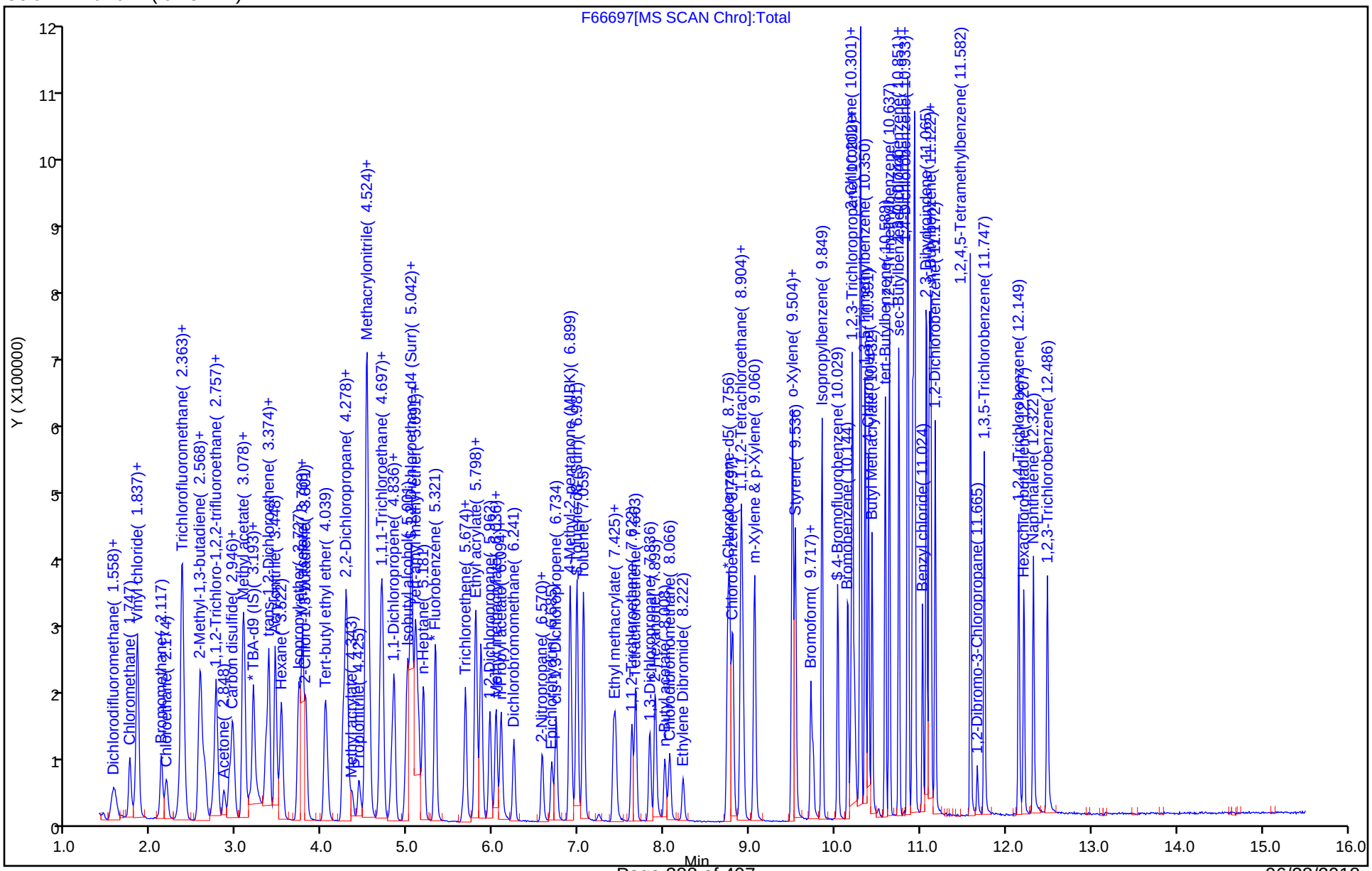
Report Date: 26-Jun-2018 14:58:14 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20180624-74278.b\F66697.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 24-Jun-2018 09:58:30 | Instrument ID: | CVOAMS6 | Operator ID: | |
| Lims ID: | LCSD | | | Worklist Smp#: | 5 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 4 |
| Method: | 8260624W6 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-158398-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-530664/5

Matrix: Water | Lab File ID: A57700.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/25/2018 07:43

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.: 530664 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 20.1 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.9 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 20.4 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 21.6 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 22.0 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 19.7 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 19.7 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 501 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 105 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 97.2 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone | 100 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 97.4 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 22.5 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 19.0 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 19.5 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 18.9 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 18.9 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 20.0 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 20.7 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 16.8 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 21.3 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 17.7 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 22.7 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.0 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 18.8 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 20.8 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 21.5 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 21.2 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 22.6 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 20.7 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 22.5 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 18.5 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 20.3 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 19.9 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 42.7 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCSD 460-530664/5

Matrix: Water  Lab File ID: A57700.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 06/25/2018 07:43

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.: 530664  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 89 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 104 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57700.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 25-Jun-2018 07:43:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0074307-005
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Jun-2018 09:47:10 Calib Date: 02-May-2018 01:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20180501-71367.b\A54979.D

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

First Level Reviewer: moroneyc Date: 25-Jun-2018 09:46:35

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 1.530 | 1.524 | 0.006 | 88 | 27917 | 20.0 | 21.1 | |
| 3 Dichlorodifluoromethane | 85 | 1.555 | 1.555 | 0.000 | 99 | 70900 | 20.0 | 20.1 | |
| 4 Chloromethane | 50 | 1.744 | 1.732 | 0.012 | 100 | 74027 | 20.0 | 17.7 | |
| 5 Vinyl chloride | 62 | 1.835 | 1.829 | 0.006 | 98 | 73296 | 20.0 | 19.9 | |
| 6 Butadiene | 39 | 1.848 | 1.841 | 0.007 | 96 | 70193 | 20.0 | 19.1 | |
| 7 Bromomethane | 94 | 2.152 | 2.146 | 0.006 | 98 | 44311 | 20.0 | 18.9 | |
| 8 Chloroethane | 64 | 2.225 | 2.219 | 0.006 | 100 | 40063 | 20.0 | 16.8 | |
| 10 Dichlorofluoromethane | 67 | 2.427 | 2.421 | 0.006 | 97 | 104008 | 20.0 | 20.0 | |
| 11 Pentane | 72 | 2.427 | 2.421 | 0.006 | 97 | 18643 | 40.0 | 42.2 | |
| 9 Trichlorofluoromethane | 101 | 2.427 | 2.427 | 0.000 | 64 | 85394 | 20.0 | 21.2 | |
| 12 Ethanol | 46 | 2.628 | 2.628 | 0.000 | 83 | 11137 | 800.0 | 810.6 | |
| 13 Ethyl ether | 59 | 2.640 | 2.634 | 0.006 | 91 | 39731 | 20.0 | 19.8 | |
| 14 2-Methyl-1,3-butadiene | 53 | 2.658 | 2.658 | 0.000 | 98 | 47981 | 20.0 | 21.7 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 117 | 2.725 | 2.719 | 0.006 | 92 | 42387 | 20.0 | 22.1 | |
| 16 Acrolein | 56 | 2.823 | 2.823 | 0.000 | 94 | 11800 | 40.0 | 28.0 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 2.866 | 2.853 | 0.013 | 90 | 49811 | 20.0 | 22.5 | |
| 18 1,1-Dichloroethene | 96 | 2.859 | 2.860 | -0.001 | 96 | 47056 | 20.0 | 22.0 | |
| 19 Acetone | 58 | 2.957 | 2.951 | 0.006 | 86 | 20892 | 100.0 | 97.4 | |
| 20 Iodomethane | 142 | 3.018 | 3.024 | -0.006 | 99 | 89482 | 20.0 | 23.4 | |
| 22 Isopropyl alcohol | 45 | 3.067 | 3.049 | 0.018 | 30 | 29958 | 200.0 | 170.1 | |
| 21 Carbon disulfide | 76 | 3.048 | 3.055 | -0.007 | 100 | 146576 | 20.0 | 18.9 | |
| 23 3-Chloro-1-propene | 76 | 3.183 | 3.183 | 0.000 | 92 | 31353 | 20.0 | 22.2 | |
| 25 Cyclopentene | 67 | 3.201 | 3.195 | 0.006 | 94 | 134799 | 20.0 | 24.1 | |
| 24 Methyl acetate | 43 | 3.201 | 3.201 | 0.000 | 100 | 87342 | 40.0 | 41.6 | |
| 26 Acetonitrile | 40 | 3.268 | 3.268 | 0.000 | 98 | 47194 | 200.0 | 201.4 | |
| 27 Methylene Chloride | 84 | 3.311 | 3.311 | 0.000 | 98 | 58842 | 20.0 | 21.5 | |
| * 28 TBA-d9 (IS) | 65 | 3.335 | 3.317 | 0.018 | 0 | 196560 | 1000.0 | 1000.0 | |
| 29 2-Methyl-2-propanol | 59 | 3.390 | 3.390 | 0.000 | 93 | 49468 | 200.0 | 184.3 | |
| 30 Methyl tert-butyl ether | 73 | 3.475 | 3.469 | 0.006 | 98 | 137493 | 20.0 | 20.5 | |
| 31 trans-1,2-Dichloroethene | 96 | 3.494 | 3.487 | 0.007 | 97 | 54093 | 20.0 | 22.5 | |
| 32 Acrylonitrile | 53 | 3.573 | 3.567 | 0.006 | 94 | 225482 | 200.0 | 220.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 33 Hexane | 43 | 3.640 | 3.634 | 0.006 | 94 | 52014 | 20.0 | 22.0 | |
| 34 Isopropyl ether | 45 | 3.841 | 3.835 | 0.006 | 96 | 172830 | 20.0 | 20.8 | |
| 35 1,1-Dichloroethane | 63 | 3.865 | 3.865 | 0.000 | 100 | 99894 | 20.0 | 21.6 | |
| 36 Vinyl acetate | 86 | 3.884 | 3.878 | 0.006 | 100 | 18729 | 40.0 | 40.9 | |
| 37 2-Chloro-1,3-butadiene | 88 | 3.902 | 3.902 | 0.000 | 92 | 46368 | 20.0 | 23.0 | |
| 38 Tert-butyl ethyl ether | 59 | 4.121 | 4.115 | 0.006 | 89 | 143287 | 20.0 | 20.6 | |
| * 39 2-Butanone-d5 | 46 | 4.292 | 4.292 | 0.000 | 0 | 233997 | 250.0 | 250.0 | |
| 40 2,2-Dichloropropane | 97 | 4.310 | 4.317 | -0.007 | 92 | 17858 | 20.0 | 22.8 | |
| 41 cis-1,2-Dichloroethene | 96 | 4.323 | 4.323 | 0.000 | 94 | 59216 | 20.0 | 22.7 | |
| 42 Ethyl acetate | 70 | 4.341 | 4.329 | 0.012 | 95 | 8450 | 40.0 | 39.1 | |
| 43 2-Butanone (MEK) | 72 | 4.341 | 4.341 | 0.000 | 95 | 25235 | 100.0 | 105.3 | |
| 44 Methyl acrylate | 55 | 4.384 | 4.378 | 0.006 | 100 | 40826 | 20.0 | 20.4 | |
| 45 Propionitrile | 54 | 4.457 | 4.451 | 0.006 | 98 | 73089 | 200.0 | 187.3 | |
| 46 Chlorobromomethane | 128 | 4.512 | 4.506 | 0.006 | 92 | 29284 | 20.0 | 23.6 | |
| 47 Tetrahydrofuran | 72 | 4.512 | 4.518 | -0.006 | 55 | 12927 | 40.0 | 44.6 | |
| 48 Methacrylonitrile | 67 | 4.536 | 4.536 | 0.000 | 95 | 197914 | 200.0 | 207.3 | |
| 49 Chloroform | 83 | 4.554 | 4.554 | 0.000 | 98 | 91826 | 20.0 | 21.3 | |
| 50 Cyclohexane | 56 | 4.658 | 4.658 | 0.000 | 95 | 93680 | 20.0 | 21.7 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.670 | 0.006 | 97 | 73475 | 20.0 | 20.1 | |
| $ 52 Dibromofluoromethane (Surr | 113 | 4.682 | 4.682 | 0.000 | 97 | 93595 | 50.0 | 48.6 | |
| 54 Carbon tetrachloride | 117 | 4.768 | 4.768 | 0.000 | 97 | 61351 | 20.0 | 20.0 | |
| 55 1,1-Dichloropropene | 75 | 4.786 | 4.786 | 0.000 | 96 | 69544 | 20.0 | 21.1 | |
| 56 Isobutyl alcohol | 43 | 4.908 | 4.908 | 0.000 | 92 | 80311 | 500.0 | 425.6 | |
| 57 Isooctane | 57 | 4.914 | 4.914 | 0.000 | 98 | 195649 | 20.0 | 22.3 | |
| 58 Benzene | 78 | 4.944 | 4.945 | -0.001 | 97 | 197103 | 20.0 | 22.5 | |
| $ 59 1,2-Dichloroethane-d4 (Sur | 65 | 4.957 | 4.957 | 0.000 | 0 | 108890 | 50.0 | 44.7 | |
| 60 Isopropyl acetate | 43 | 4.987 | 4.987 | 0.000 | 93 | 152690 | 20.0 | 20.3 | |
| 61 Tert-amyl methyl ether | 87 | 4.987 | 4.987 | 0.000 | 91 | 41568 | 20.0 | 20.3 | |
| 62 1,2-Dichloroethane | 62 | 5.018 | 5.018 | 0.000 | 95 | 68382 | 20.0 | 19.7 | |
| 63 n-Heptane | 71 | 5.054 | 5.060 | -0.006 | 93 | 43377 | 20.0 | 21.5 | |
| * 64 Fluorobenzene | 96 | 5.164 | 5.164 | 0.000 | 98 | 353173 | 50.0 | 50.0 | |
| 65 n-Butanol | 56 | 5.383 | 5.383 | 0.000 | 95 | 22964 | 500.0 | 387.7 | |
| 66 Trichloroethene | 95 | 5.426 | 5.426 | 0.000 | 96 | 46767 | 20.0 | 20.3 | |
| 67 Ethyl acrylate | 56 | 5.524 | 5.518 | 0.006 | 95 | 33364 | 20.0 | 20.4 | |
| 68 Methylcyclohexane | 83 | 5.524 | 5.524 | 0.000 | 94 | 86437 | 20.0 | 21.8 | |
| 69 1,2-Dichloropropane | 63 | 5.652 | 5.646 | 0.006 | 93 | 48540 | 20.0 | 19.7 | |
| * 71 1,4-Dioxane-d8 | 96 | 5.682 | 5.688 | -0.006 | 0 | 18228 | 1000.0 | 1000.0 | |
| 70 Methyl methacrylate | 100 | 5.694 | 5.694 | 0.000 | 92 | 19646 | 40.0 | 38.0 | |
| 72 n-Propyl acetate | 43 | 5.731 | 5.731 | 0.000 | 99 | 62849 | 20.0 | 19.1 | |
| 73 1,4-Dioxane | 88 | 5.731 | 5.731 | 0.000 | 31 | 9646 | 400.0 | 500.7 | |
| 74 Dibromomethane | 93 | 5.749 | 5.749 | 0.000 | 95 | 29415 | 20.0 | 19.5 | |
| 75 Dichlorobromomethane | 83 | 5.865 | 5.865 | 0.000 | 99 | 57031 | 20.0 | 19.0 | |
| 76 2-Chloroethyl vinyl ether | 63 | 6.127 | 6.127 | 0.000 | 86 | 22194 | 20.0 | 16.9 | |
| 77 2-Nitropropane | 41 | 6.139 | 6.139 | 0.000 | 86 | 19947 | 40.0 | 34.7 | |
| 78 Epichlorohydrin | 57 | 6.231 | 6.225 | 0.006 | 99 | 78889 | 400.0 | 385.6 | |
| 79 cis-1,3-Dichloropropene | 75 | 6.273 | 6.274 | -0.001 | 93 | 58595 | 20.0 | 19.0 | |
| 80 4-Methyl-2-pentanone (MIBK | 43 | 6.414 | 6.414 | 0.000 | 99 | 242497 | 100.0 | 100.2 | |
| $ 81 Toluene-d8 (Surr) | 98 | 6.493 | 6.493 | 0.000 | 99 | 289355 | 50.0 | 48.1 | |
| 82 Toluene | 91 | 6.554 | 6.554 | 0.000 | 94 | 176127 | 20.0 | 20.7 | |
| 83 trans-1,3-Dichloropropene | 75 | 6.804 | 6.804 | 0.000 | 99 | 49469 | 20.0 | 18.5 | |
| 84 Ethyl methacrylate | 69 | 6.816 | 6.816 | 0.000 | 90 | 46142 | 20.0 | 17.8 | |
| 85 1,1,2-Trichloroethane | 83 | 6.956 | 6.962 | -0.006 | 94 | 31023 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 86 Tetrachloroethene | 166 | 6.999 | 6.999 | 0.000 | 97 | 46930 | 20.0 | 22.6 | |
| 87 1,3-Dichloropropane | 76 | 7.103 | 7.103 | 0.000 | 95 | 57170 | 20.0 | 18.9 | |
| 88 2-Hexanone | 43 | 7.133 | 7.133 | 0.000 | 97 | 145144 | 100.0 | 97.2 | |
| 89 n-Butyl acetate | 73 | 7.194 | 7.194 | 0.000 | 98 | 10557 | 20.0 | 20.8 | |
| 90 Chlorodibromomethane | 129 | 7.249 | 7.249 | 0.000 | 98 | 33739 | 20.0 | 18.8 | |
| 91 Ethylene Dibromide | 107 | 7.353 | 7.353 | 0.000 | 98 | 33498 | 20.0 | 20.0 | |
| * 92 Chlorobenzene-d5 | 117 | 7.657 | 7.657 | 0.000 | 87 | 238877 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.676 | 7.676 | 0.000 | 95 | 113350 | 20.0 | 20.7 | |
| 94 Ethylbenzene | 106 | 7.724 | 7.724 | 0.000 | 99 | 61630 | 20.0 | 20.8 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.737 | 7.737 | 0.000 | 94 | 42360 | 20.0 | 20.6 | |
| 96 m-Xylene & p-Xylene | 106 | 7.804 | 7.804 | 0.000 | 97 | 76052 | 20.0 | 20.7 | |
| 97 n-Butyl acrylate | 73 | 8.029 | 8.029 | 0.000 | 96 | 28234 | 20.0 | 19.1 | |
| 98 o-Xylene | 106 | 8.066 | 8.066 | 0.000 | 94 | 80484 | 20.0 | 22.0 | |
| 99 Styrene | 104 | 8.084 | 8.084 | 0.000 | 95 | 132002 | 20.0 | 21.2 | |
| 100 Amyl acetate (mixed isomer | 43 | 8.169 | 8.170 | 0.000 | 89 | 91543 | 20.0 | 19.7 | |
| 101 Bromoform | 173 | 8.224 | 8.224 | 0.000 | 96 | 22578 | 20.0 | 19.5 | |
| 102 Isopropylbenzene | 105 | 8.285 | 8.285 | 0.000 | 96 | 210512 | 20.0 | 20.6 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.407 | 8.407 | 0.000 | 92 | 102315 | 50.0 | 51.8 | |
| 104 Bromobenzene | 156 | 8.499 | 8.499 | 0.000 | 95 | 54587 | 20.0 | 20.8 | |
| 105 1,1,2,2-Tetrachloroethane | 83 | 8.505 | 8.505 | 0.000 | 98 | 58567 | 20.0 | 20.9 | |
| 106 N-Propylbenzene | 91 | 8.523 | 8.523 | 0.000 | 99 | 259921 | 20.0 | 19.4 | |
| 107 1,2,3-Trichloropropane | 110 | 8.541 | 8.541 | 0.000 | 97 | 16357 | 20.0 | 20.3 | |
| 108 trans-1,4-Dichloro-2-buten | 53 | 8.541 | 8.541 | 0.000 | 78 | 16577 | 20.0 | 20.7 | |
| 109 4-Ethyltoluene | 105 | 8.590 | 8.590 | 0.000 | 98 | 217082 | 20.0 | 18.8 | |
| 110 2-Chlorotoluene | 91 | 8.596 | 8.596 | 0.000 | 97 | 179907 | 20.0 | 19.0 | |
| 111 1,3,5-Trimethylbenzene | 105 | 8.627 | 8.627 | 0.000 | 93 | 183141 | 20.0 | 19.3 | |
| 113 4-Chlorotoluene | 91 | 8.663 | 8.663 | 0.000 | 98 | 159364 | 20.0 | 19.4 | |
| 112 Butyl Methacrylate | 87 | 8.663 | 8.663 | 0.000 | 95 | 59820 | 20.0 | 19.6 | |
| 114 tert-Butylbenzene | 119 | 8.803 | 8.804 | -0.001 | 94 | 145325 | 20.0 | 19.0 | |
| 115 1,2,4-Trimethylbenzene | 105 | 8.840 | 8.834 | 0.006 | 97 | 191723 | 20.0 | 19.7 | |
| 116 sec-Butylbenzene | 105 | 8.925 | 8.919 | 0.006 | 99 | 236914 | 20.0 | 20.1 | |
| 117 4-Isopropyltoluene | 119 | 8.999 | 8.999 | 0.000 | 98 | 207088 | 20.0 | 20.3 | |
| 118 1,3-Dichlorobenzene | 146 | 9.017 | 9.017 | 0.000 | 97 | 117359 | 20.0 | 21.2 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 9.053 | 9.053 | 0.000 | 98 | 160344 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 9.072 | 9.066 | 0.006 | 94 | 121769 | 20.0 | 21.5 | |
| 136 1,2,3-Trimethylbenzene | 105 | 9.072 | 9.072 | 0.000 | 98 | 204260 | 20.0 | 19.6 | |
| 121 Benzyl chloride | 91 | 9.151 | 9.145 | 0.006 | 98 | 94553 | 20.0 | 21.4 | |
| 122 2,3-Dihydroindene | 117 | 9.194 | 9.194 | 0.000 | 92 | 229634 | 20.0 | 21.0 | |
| 123 p-Diethylbenzene | 119 | 9.212 | 9.206 | 0.006 | 93 | 137811 | 20.0 | 22.2 | |
| 124 n-Butylbenzene | 92 | 9.224 | 9.224 | 0.000 | 96 | 118749 | 20.0 | 21.0 | |
| 125 1,2-Dichlorobenzene | 146 | 9.285 | 9.285 | 0.000 | 96 | 115699 | 20.0 | 22.1 | |
| 126 1,2,4,5-Tetramethylbenzene | 119 | 9.681 | 9.681 | 0.000 | 98 | 184457 | 20.0 | 22.7 | |
| 127 1,2-Dibromo-3-Chloropropan | 75 | 9.773 | 9.773 | 0.000 | 92 | 9953 | 20.0 | 24.3 | |
| 128 1,3,5-Trichlorobenzene | 180 | 9.864 | 9.864 | 0.000 | 97 | 87444 | 20.0 | 27.5 | |
| 129 1,2,4-Trichlorobenzene | 180 | 10.321 | 10.322 | -0.001 | 94 | 71603 | 20.0 | 33.8 | |
| 130 Hexachlorobutadiene | 225 | 10.395 | 10.395 | 0.000 | 94 | 37556 | 20.0 | 28.3 | |
| 131 Naphthalene | 128 | 10.535 | 10.535 | 0.000 | 99 | 158149 | 20.0 | 43.0 | |
| 132 1,2,3-Trichlorobenzene | 180 | 10.736 | 10.736 | 0.000 | 95 | 62921 | 20.0 | 45.6 | |
| S 133 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 45.3 | |
| S 134 Xylenes, Total | 100 | | | | 0 | | 40.0 | 42.7 | |
| S 135 Total BTEX | 1 | | | | 0 | | 100.0 | 106.8 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00081 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00078 | Amount Added: | 4.00 | Units: uL | |
| GASES Li_00265 | Amount Added: | 20.00 | Units: uL | |
| 8260ISNEW_00119 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00178 | Amount Added: | 1.00 | Units: uL | Run Reagent |

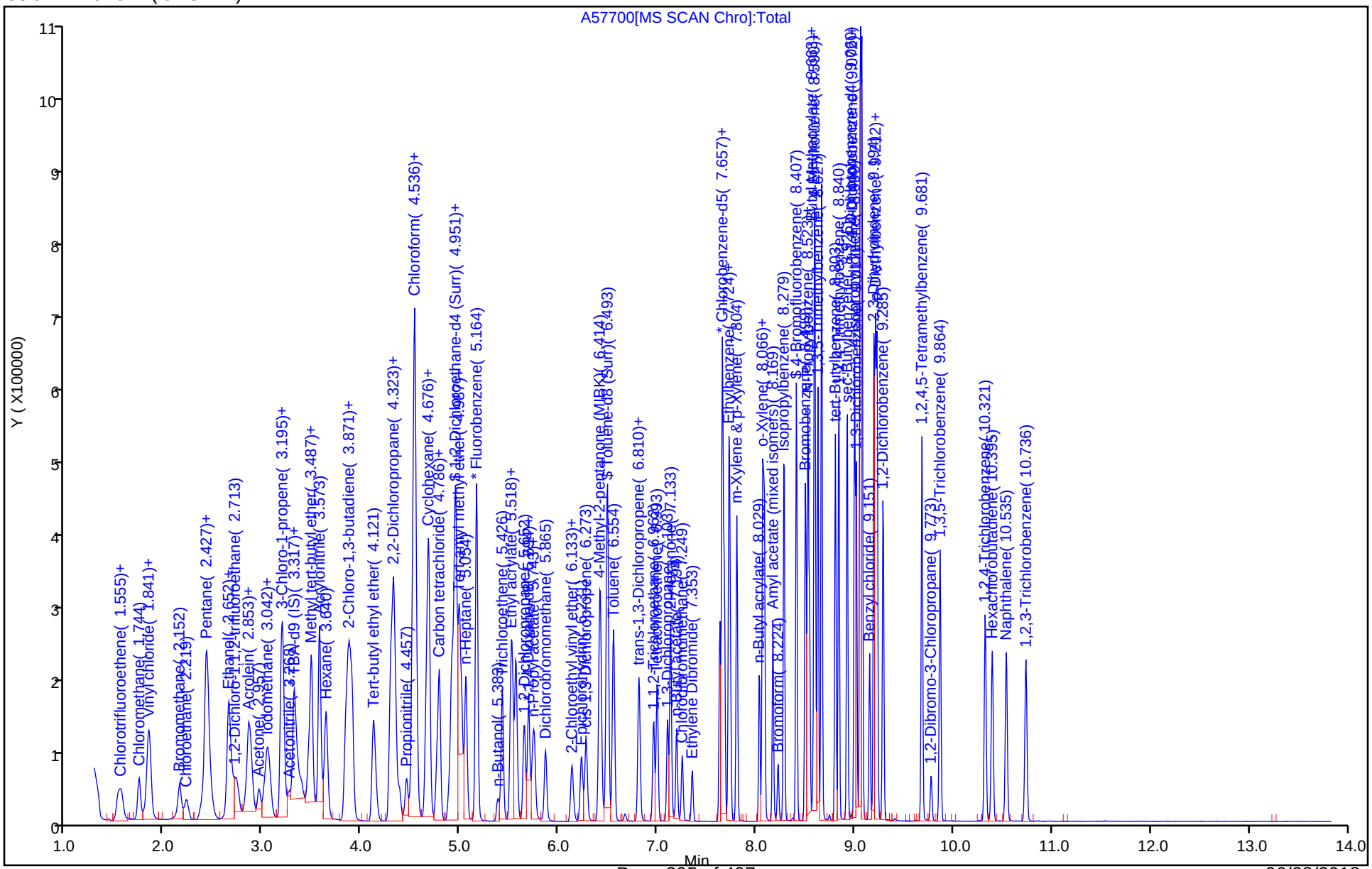
Report Date: 25-Jun-2018 09:47:49 Chrom Revision: 2.2 07-Jun-2018 07:41:54

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20180625-74307.b\A57700.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 25-Jun-2018 07:43:30 | Instrument ID: | CVOAMS1 | Operator ID: | VOA GC/MS1 |
| Lims ID: | LCSD | | | Worklist Smp#: | 5 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 4 |
| Method: | 8260624W_1 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 05/01/2018 22:28

Analysis Batch Number: 515755 End Date: 05/02/2018 05:06

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-515755/1 | | 05/01/2018 22:28 | 1 | A54971.D | Rtx-624 0.25(mm) |
| STD7 460-515755/3 IC | | 05/01/2018 23:18 | 1 | A54973.D | Rtx-624 0.25(mm) |
| STD1 460-515755/4 IC | | 05/01/2018 23:43 | 1 | A54974.D | Rtx-624 0.25(mm) |
| STD5 460-515755/5 IC | | 05/02/2018 00:08 | 1 | A54975.D | Rtx-624 0.25(mm) |
| STD20 460-515755/6 ICIS | | 05/02/2018 00:32 | 1 | A54976.D | Rtx-624 0.25(mm) |
| STD50 460-515755/7 IC | | 05/02/2018 00:57 | 1 | A54977.D | Rtx-624 0.25(mm) |
| STD200 460-515755/8 IC | | 05/02/2018 01:22 | 1 | A54978.D | Rtx-624 0.25(mm) |
| STD500 460-515755/9 IC | | 05/02/2018 01:47 | 1 | A54979.D | Rtx-624 0.25(mm) |
| ICV 460-515755/14 | | 05/02/2018 05:06 | 1 | | Rtx-624 0.25(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 06/25/2018 06:09

Analysis Batch Number: 530664 End Date: 06/25/2018 18:21

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-530664/1 | | 06/25/2018 06:09 | 1 | A57696.D | Rtx-624 0.25(mm) |
| CCVIS 460-530664/3 | | 06/25/2018 06:56 | 1 | A57698.D | Rtx-624 0.25(mm) |
| LCS 460-530664/4 | | 06/25/2018 07:20 | 1 | A57699.D | Rtx-624 0.25(mm) |
| LCSD 460-530664/5 | | 06/25/2018 07:43 | 1 | A57700.D | Rtx-624 0.25(mm) |
| MB 460-530664/9 | | 06/25/2018 09:16 | 1 | A57704.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 09:48 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 10:11 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 10:35 | 1 | | Rtx-624 0.25(mm) |
| 460-158398-3 | | 06/25/2018 10:58 | 1 | A57708.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 11:21 | 2 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 11:44 | 2 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 12:31 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 12:54 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 13:17 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 13:41 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 14:04 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 14:27 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 14:50 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 15:14 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 15:38 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 16:01 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 16:25 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 16:48 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 17:11 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 17:34 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 17:58 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/25/2018 18:21 | 1 | | Rtx-624 0.25(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 06/05/2018 01:01

Analysis Batch Number: 525048 End Date: 06/05/2018 07:06

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-525048/1 | | 06/05/2018 01:01 | 1 | F65703.D | Rtx-624 0.25(mm) |
| STD8 460-525048/3 IC | | 06/05/2018 02:24 | 1 | F65705.D | Rtx-624 0.25(mm) |
| STD1 460-525048/5 IC | | 06/05/2018 03:11 | 1 | F65707.D | Rtx-624 0.25(mm) |
| STD5 460-525048/6 IC | | 06/05/2018 03:35 | 1 | F65708.D | Rtx-624 0.25(mm) |
| STD20 460-525048/7 ICIS | | 06/05/2018 03:59 | 1 | F65709.D | Rtx-624 0.25(mm) |
| STD50 460-525048/8 IC | | 06/05/2018 04:22 | 1 | F65710.D | Rtx-624 0.25(mm) |
| STD200 460-525048/9 IC | | 06/05/2018 04:46 | 1 | F65711.D | Rtx-624 0.25(mm) |
| STD500 460-525048/10 IC | | 06/05/2018 05:09 | 1 | F65712.D | Rtx-624 0.25(mm) |
| ICV 460-525048/15 | | 06/05/2018 07:06 | 1 | | Rtx-624 0.25(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 06/23/2018 20:05

Analysis Batch Number: 530435 End Date: 06/24/2018 06:01

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-530435/1 | | 06/23/2018 20:05 | 1 | F66664.D | Rtx-624 0.25(mm) |
| CCVIS 460-530435/3 | | 06/23/2018 20:51 | 1 | F66666.D | Rtx-624 0.25(mm) |
| LCS 460-530435/4 | | 06/23/2018 21:16 | 1 | F66667.D | Rtx-624 0.25(mm) |
| LCSD 460-530435/5 | | 06/23/2018 22:10 | 1 | F66668.D | Rtx-624 0.25(mm) |
| MB 460-530435/8 | | 06/23/2018 23:22 | 1 | F66671.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/23/2018 23:46 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 00:09 | 1 | | Rtx-624 0.25(mm) |
| 460-158398-1 | | 06/24/2018 00:33 | 1 | F66674.D | Rtx-624 0.25(mm) |
| 460-158398-2 | | 06/24/2018 00:56 | 1 | F66675.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 01:43 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 02:06 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 02:30 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 02:53 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 03:17 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 03:40 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 04:03 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 04:27 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 04:51 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 05:14 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 05:38 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 06:01 | 1 | | Rtx-624 0.25(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-158398-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 06/24/2018 08:21

Analysis Batch Number: 530535 End Date: 06/24/2018 19:27

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-530535/1 | | 06/24/2018 08:21 | 1 | F66693.D | Rtx-624 0.25(mm) |
| CCVIS 460-530535/3 | | 06/24/2018 09:06 | 1 | F66695.D | Rtx-624 0.25(mm) |
| LCS 460-530535/4 | | 06/24/2018 09:35 | 1 | F66696.D | Rtx-624 0.25(mm) |
| LCSD 460-530535/5 | | 06/24/2018 09:58 | 1 | F66697.D | Rtx-624 0.25(mm) |
| MB 460-530535/8 | | 06/24/2018 11:11 | 1 | F66700.D | Rtx-624 0.25(mm) |
| 460-158398-4 | | 06/24/2018 11:35 | 1 | F66701.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 12:22 | 10 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 14:20 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 14:44 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 15:08 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 15:31 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 15:55 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 16:19 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 16:42 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 17:06 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 17:29 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 18:40 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 19:03 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 06/24/2018 19:27 | 1 | | Rtx-624 0.25(mm) |

# GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Batch Number: 530435  Batch Start Date: 06/23/18 20:05  Batch Analyst: Starzec, Margaret

Batch Method: 8260C  Batch End Date:

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 8260MIX1COMB 00081 | ACROLEIN W 00078 | BFB 00017 | GASES Li 00265 |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-530435/1 | | 8260C | | 5 mL | 5 mL | | | 1 uL | |
| CCVIS 460-530435/3 | | 8260C | | 5 mL | 5 mL | 20 uL | 4 uL | | 20 uL |
| LCS 460-530435/4 | | 8260C | | 5 mL | 5 mL | 20 uL | 4 uL | | 20 uL |
| LCSD 460-530435/5 | | 8260C | | 5 mL | 5 mL | 20 uL | 4 uL | | 20 uL |
| MB 460-530435/8 | | 8260C | | 5 mL | 5 mL | | | | |
| 460-158398-A-1 | TB | 8260C | T | 5 mL | 5 mL | | | | |
| 460-158398-A-2 | FB | 8260C | T | 5 mL | 5 mL | | | | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | VOA6IS/SURR 00011 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-530435/1 | | 8260C | | | | | | | |
| CCVIS 460-530435/3 | | 8260C | | 5 uL | | | | | |
| LCS 460-530435/4 | | 8260C | | 5 uL | | | | | |
| LCSD 460-530435/5 | | 8260C | | 5 uL | | | | | |
| MB 460-530435/8 | | 8260C | | 5 uL | | | | | |
| 460-158398-A-1 | TB | 8260C | T | 5 uL | | | | | |
| 460-158398-A-2 | FB | 8260C | T | 5 uL | | | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Batch Number: 530535  Batch Start Date: 06/24/18 08:21  Batch Analyst: Starzec, Margaret

Batch Method: 8260C  Batch End Date:

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 8260MIX1COMB 00081 | ACROLEIN W 00078 | BFB 00017 | GASES Li 00265 |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-530535/1 | | 8260C | | 5 mL | 5 mL | | | 1 uL | |
| CCVIS 460-530535/3 | | 8260C | | 5 mL | 5 mL | 20 uL | 4 uL | | 20 uL |
| LCS 460-530535/4 | | 8260C | | 5 mL | 5 mL | 20 uL | 4 uL | | 20 uL |
| LCSD 460-530535/5 | | 8260C | | 5 mL | 5 mL | 20 uL | 4 uL | | 20 uL |
| MB 460-530535/8 | | 8260C | | 5 mL | 5 mL | | | | |
| 460-158398-B-4 | MW-54 | 8260C | T | 5 mL | 5 mL | | | | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | VOA6IS/SURR 00011 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-530535/1 | | 8260C | | | | | | | |
| CCVIS 460-530535/3 | | 8260C | | 5 uL | | | | | |
| LCS 460-530535/4 | | 8260C | | 5 uL | | | | | |
| LCSD 460-530535/5 | | 8260C | | 5 uL | | | | | |
| MB 460-530535/8 | | 8260C | | 5 uL | | | | | |
| 460-158398-B-4 | MW-54 | 8260C | T | 5 uL | | | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison  Job No.: 460-158398-1

SDG No.:

Batch Number: 530664  Batch Start Date: 06/25/18 06:09  Batch Analyst: Moroney, Christopher J

Batch Method: 8260C  Batch End Date:

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 8260ISNEW 00119 | 8260MIX1COMB 00081 | 8260SURR250 00178 | ACROLEIN W 00078 |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-530664/1 | | 8260C | | 5 mL | 5 mL | | | | |
| CCVIS 460-530664/3 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| LCS 460-530664/4 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| LCSD 460-530664/5 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| MB 460-530664/9 | | 8260C | | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-158398-C-3 | MW-43 | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | BFB 00017 | GASES Li 00265 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-530664/1 | | 8260C | | 1 uL | | | | | |
| CCVIS 460-530664/3 | | 8260C | | | 20 uL | | | | |
| LCS 460-530664/4 | | 8260C | | | 20 uL | | | | |
| LCSD 460-530664/5 | | 8260C | | | 20 uL | | | | |
| MB 460-530664/9 | | 8260C | | | | | | | |
| 460-158398-C-3 | MW-43 | 8260C | T | | | | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# 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 ) Brad Manzanillo
Company ECM, Inc.
Address 344 Rt 206
City Millsboro State DE 19966
Phone (908) 874-0550 Fax 08820

Samplers Name ( Printed ) C Brad
P. O. #

Site/Project Identification Glen Story Pt 6/13/18
State (Location of site): NJ: ☐ NY: ☒ Other:
Regulatory Program: NYDEC DKQP: ☐

Analysis Turnaround Time
Standard ☒
Rush Charges Authorized For:
2 Week ☐
1 Week ☐
Other ☐ _____

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

LAB USE ONLY
Project No:
Job No: 188398

| Sample Identification | Date | Time | Matrix | No. of Cont. | NYDEC TCL with VOCs with Excel EDD | NYBK 1,4-dioxane | | Sample Numbers |
|---|---|---|---|---|---|---|---|---|
| TB | 6/14/18 | ~ | AQ | 2 | X | X | X | 1 |
| FB | 6/13/18 | 0825 | AQ | 2 | X | X | X | 2 |
| MW-43 | ↓ | 0835 | GW | 3 | X | X | X | 3 |
| MW-54 | ↓ | 1030 | GW | 3 | X | X | X | 4 |

**Preservation Used:** 1 = ICE, 2 = HCl, 3 = $H_2SO_4$, 4 = $HNO_3$, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water: 1,2 1,2,3

ERI 1-7

460-158398 Chain of Custody

**Special Instructions**

Water Metals Filtered (Yes/No)? _____

| Relinquished by | Company | Date / Time | Received by | Company |
|---|---|---|---|---|
| 1) | ECM | 6/14/18 1150 | 1) Brandon Pelle | TAL 6-15-18 |
| 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)

# TestAmerica Edison
## Receipt Temperature and pH Log

Job Number: 158798

Number of Coolers: 1 IR Gun # 11

### Cooler Temperatures

| | RAW | CORRECTED | | RAW | CORRECTED | | RAW | CORRECTED |
|---|---|---|---|---|---|---|---|---|
| Cooler #1: | 7 °C | 7 °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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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**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: RP Date: 6-15-18

# Login Sample Receipt Checklist

Client: ECM, Inc.

Job Number: 460-158398-1

**Login Number: 158398**
**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 | |
| 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 | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-165722-1

Job Description: 1192 - AGWM 9/2018

For:
ECM, Inc.
PO BOX 427
Neshanic Station, NJ 08853

Attention: Mr. Bruce Manganiello



Approved for release.
Grace Chang
Project Manager II
10/10/2018 10:41 AM

Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
10/10/2018

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

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

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# CASE NARRATIVE

## Client: ECM, Inc.

## Project: 1192 - AGWM 9/2018

## Report Number: 460-165722-1

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

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

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

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

**RECEIPT**

The samples were received on 9/27/2018 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0º C.

**Receipt Exceptions**

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed.

*The client did not indicate request on any analysis listed on the COC. Logged and placed on hold.

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 TB (460-165722-1), MW-24 (460-165722-2), MW-71 (460-165722-3), PZ-23 (460-165722-4), FB (460-165722-5), MW-31 (460-165722-6), MW-36 (460-165722-7) and MW-54 (460-165722-8) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 10/07/2018 and 10/08/2018.

The continuing calibration verification (CCV) analyzed in batch 460-558208 was outside the method criteria for the following analyte(s): Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-558499 was outside the method criteria for the following analytes: Bromoform and Chloromethane. 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.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

# Sample Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2018

TestAmerica Job ID: 460-165722-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 460-165722-1 | TB | Water | 09/26/18 00:00 | 09/27/18 15:55 |
| 460-165722-2 | MW-24 | Water | 09/27/18 09:28 | 09/27/18 15:55 |
| 460-165722-3 | MW-71 | Water | 09/27/18 09:35 | 09/27/18 15:55 |
| 460-165722-4 | PZ-23 | Water | 09/27/18 10:45 | 09/27/18 15:55 |
| 460-165722-5 | FB | Water | 09/27/18 10:10 | 09/27/18 15:55 |
| 460-165722-6 | MW-31 | Water | 09/27/18 11:40 | 09/27/18 15:55 |
| 460-165722-7 | MW-36 | Water | 09/27/18 12:15 | 09/27/18 15:55 |
| 460-165722-8 | MW-54 | Water | 09/27/18 13:30 | 09/27/18 15:55 |

# Detection Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2018

TestAmerica Job ID: 460-165722-1

## Client Sample ID: TB — Lab Sample ID: 460-165722-1

No Detections.

## Client Sample ID: MW-24 — Lab Sample ID: 460-165722-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.0 | | 1.0 | 0.43 | ug/L | 1 | | 8260C | Total/NA |
| Chlorobenzene | 51 | | 1.0 | 0.38 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 38 | | 1.0 | 0.22 | ug/L | 1 | | 8260C | Total/NA |
| Tetrachloroethene | 0.26 | J | 1.0 | 0.25 | ug/L | 1 | | 8260C | Total/NA |
| trans-1,2-Dichloroethene | 25 | | 1.0 | 0.24 | ug/L | 1 | | 8260C | Total/NA |
| Trichloroethene | 4.7 | | 1.0 | 0.31 | ug/L | 1 | | 8260C | Total/NA |
| Vinyl chloride | 5.5 | | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-71 — Lab Sample ID: 460-165722-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 2.1 | | 1.0 | 0.26 | ug/L | 1 | | 8260C | Total/NA |
| Benzene | 3.2 | | 1.0 | 0.43 | ug/L | 1 | | 8260C | Total/NA |
| Chlorobenzene | 64 | | 1.0 | 0.38 | ug/L | 1 | | 8260C | Total/NA |
| Chloroethane | 0.65 | J | 1.0 | 0.32 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: PZ-23 — Lab Sample ID: 460-165722-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 52 | | 50 | 28 | ug/L | 1 | | 8260C | Total/NA |
| Chlorobenzene | 0.46 | J | 1.0 | 0.38 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: FB — Lab Sample ID: 460-165722-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 0.96 | J | 1.0 | 0.32 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-31 — Lab Sample ID: 460-165722-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.43 | J | 1.0 | 0.26 | ug/L | 1 | | 8260C | Total/NA |
| Benzene | 2.4 | | 1.0 | 0.43 | ug/L | 1 | | 8260C | Total/NA |
| Chlorobenzene | 170 | | 1.0 | 0.38 | ug/L | 1 | | 8260C | Total/NA |
| Chloroethane | 20 | | 1.0 | 0.32 | ug/L | 1 | | 8260C | Total/NA |
| Toluene | 0.53 | J | 1.0 | 0.38 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-36 — Lab Sample ID: 460-165722-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 28 | J | 50 | 28 | ug/L | 1 | | 8260C | Total/NA |
| Acetone | 5.8 | | 5.0 | 5.0 | ug/L | 1 | | 8260C | Total/NA |
| Vinyl chloride | 0.21 | J | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-54 — Lab Sample ID: 460-165722-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 0.30 | J | 1.0 | 0.24 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: MW-54 (Continued)

## Lab Sample ID: 460-165722-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 7.6 | | 1.0 | 0.25 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2018

TestAmerica Job ID: 460-165722-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL EDI |
| 5030C | Purge and Trap | 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: TB

**Date Collected: 09/26/18 00:00**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-1

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/07/18 23:55 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/07/18 23:55 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/07/18 23:55 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/07/18 23:55 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/07/18 23:55 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/07/18 23:55 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/07/18 23:55 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/07/18 23:55 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/07/18 23:55 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/07/18 23:55 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/07/18 23:55 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/07/18 23:55 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/07/18 23:55 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/07/18 23:55 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/07/18 23:55 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/07/18 23:55 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/07/18 23:55 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/07/18 23:55 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/07/18 23:55 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/07/18 23:55 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/07/18 23:55 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/07/18 23:55 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/07/18 23:55 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/07/18 23:55 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/07/18 23:55 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/07/18 23:55 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/07/18 23:55 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/07/18 23:55 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/07/18 23:55 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/07/18 23:55 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/07/18 23:55 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/07/18 23:55 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/07/18 23:55 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/07/18 23:55 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/07/18 23:55 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/07/18 23:55* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *74 - 132* | | *10/07/18 23:55* | *1* |
| *Bromofluorobenzene* | *95* | | *77 - 124* | | *10/07/18 23:55* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *72 - 131* | | *10/07/18 23:55* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *10/07/18 23:55* | *1* |

## Client Sample ID: MW-24

**Date Collected: 09/27/18 09:28**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-2

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 04:45 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 04:45 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 04:45 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/08/18 04:45 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 04:45 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 04:45 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 04:45 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/08/18 04:45 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 04:45 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 04:45 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 04:45 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/08/18 04:45 | 1 |
| **Benzene** | **1.0** | | 1.0 | 0.43 | ug/L | | | 10/08/18 04:45 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 04:45 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 04:45 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 04:45 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 04:45 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 04:45 | 1 |
| **Chlorobenzene** | **51** | | 1.0 | 0.38 | ug/L | | | 10/08/18 04:45 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 04:45 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 04:45 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 04:45 | 1 |
| **cis-1,2-Dichloroethene** | **38** | | 1.0 | 0.22 | ug/L | | | 10/08/18 04:45 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 04:45 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 04:45 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 04:45 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 04:45 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 04:45 | 1 |
| **Tetrachloroethene** | **0.26** | **J** | 1.0 | 0.25 | ug/L | | | 10/08/18 04:45 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 04:45 | 1 |
| **trans-1,2-Dichloroethene** | **25** | | 1.0 | 0.24 | ug/L | | | 10/08/18 04:45 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 04:45 | 1 |
| **Trichloroethene** | **4.7** | | 1.0 | 0.31 | ug/L | | | 10/08/18 04:45 | 1 |
| **Vinyl chloride** | **5.5** | | 1.0 | 0.17 | ug/L | | | 10/08/18 04:45 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 04:45 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/08/18 04:45* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *74 - 132* | | *10/08/18 04:45* | *1* |
| *Bromofluorobenzene* | *98* | | *77 - 124* | | *10/08/18 04:45* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *72 - 131* | | *10/08/18 04:45* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *80 - 120* | | *10/08/18 04:45* | *1* |

## Client Sample ID: MW-71

**Date Collected: 09/27/18 09:35**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-3

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 05:11 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 05:11 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 05:11 | 1 |
| **1,1-Dichloroethane** | **2.1** | | 1.0 | 0.26 | ug/L | | | 10/08/18 05:11 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 05:11 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 05:11 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 05:11 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/08/18 05:11 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 05:11 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 05:11 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 05:11 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/08/18 05:11 | 1 |
| **Benzene** | **3.2** | | 1.0 | 0.43 | ug/L | | | 10/08/18 05:11 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 05:11 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 05:11 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 05:11 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 05:11 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 05:11 | 1 |
| **Chlorobenzene** | **64** | | 1.0 | 0.38 | ug/L | | | 10/08/18 05:11 | 1 |
| **Chloroethane** | **0.65** | **J** | 1.0 | 0.32 | ug/L | | | 10/08/18 05:11 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 05:11 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 05:11 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/08/18 05:11 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 05:11 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 05:11 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 05:11 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 05:11 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 05:11 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/08/18 05:11 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 05:11 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 05:11 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 05:11 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/08/18 05:11 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/08/18 05:11 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 05:11 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Ethyl ether* | *17* | *J N* | *ug/L* | | *1.44* | *60-29-7* | | *10/08/18 05:11* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *74 - 132* | | *10/08/18 05:11* | *1* |
| *Bromofluorobenzene* | *96* | | *77 - 124* | | *10/08/18 05:11* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *72 - 131* | | *10/08/18 05:11* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *80 - 120* | | *10/08/18 05:11* | *1* |

## Client Sample ID: PZ-23

**Date Collected: 09/27/18 10:45**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-4

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 05:36 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 05:36 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 05:36 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/08/18 05:36 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 05:36 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 05:36 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 05:36 | 1 |
| **1,4-Dioxane** | **52** | | 50 | 28 | ug/L | | | 10/08/18 05:36 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 05:36 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 05:36 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 05:36 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/08/18 05:36 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 05:36 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 05:36 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 05:36 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 05:36 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 05:36 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 05:36 | 1 |
| **Chlorobenzene** | **0.46** | **J** | 1.0 | 0.38 | ug/L | | | 10/08/18 05:36 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 05:36 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 05:36 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 05:36 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/08/18 05:36 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 05:36 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 05:36 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 05:36 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 05:36 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 05:36 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/08/18 05:36 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 05:36 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 05:36 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 05:36 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/08/18 05:36 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/08/18 05:36 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 05:36 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/08/18 05:36* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *95* | | *74 - 132* | | *10/08/18 05:36* | *1* |
| *Bromofluorobenzene* | *100* | | *77 - 124* | | *10/08/18 05:36* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *72 - 131* | | *10/08/18 05:36* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* | | *10/08/18 05:36* | *1* |

## Client Sample ID: FB

**Date Collected: 09/27/18 10:10**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-5

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 00:20 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 00:20 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 00:20 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/08/18 00:20 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 00:20 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 00:20 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 00:20 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/08/18 00:20 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 00:20 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 00:20 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 00:20 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/08/18 00:20 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 00:20 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 00:20 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 00:20 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 00:20 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 00:20 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 00:20 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 00:20 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 00:20 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 00:20 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 00:20 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/08/18 00:20 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 00:20 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 00:20 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 00:20 | 1 |
| **Methylene Chloride** | **0.96** | **J** | 1.0 | 0.32 | ug/L | | | 10/08/18 00:20 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 00:20 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/08/18 00:20 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 00:20 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 00:20 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 00:20 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/08/18 00:20 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/08/18 00:20 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 00:20 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/08/18 00:20* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *74 - 132* | | *10/08/18 00:20* | *1* |
| *Bromofluorobenzene* | *97* | | *77 - 124* | | *10/08/18 00:20* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *72 - 131* | | *10/08/18 00:20* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *10/08/18 00:20* | *1* |

## Client Sample ID: MW-31

**Date Collected: 09/27/18 11:40**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-6

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 23:30 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 23:30 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 23:30 | 1 |
| **1,1-Dichloroethane** | **0.43** | **J** | 1.0 | 0.26 | ug/L | | | 10/08/18 23:30 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 23:30 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 23:30 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 23:30 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/08/18 23:30 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 23:30 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 23:30 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 23:30 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/08/18 23:30 | 1 |
| **Benzene** | **2.4** | | 1.0 | 0.43 | ug/L | | | 10/08/18 23:30 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 23:30 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 23:30 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 23:30 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 23:30 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 23:30 | 1 |
| **Chlorobenzene** | **170** | | 1.0 | 0.38 | ug/L | | | 10/08/18 23:30 | 1 |
| **Chloroethane** | **20** | | 1.0 | 0.32 | ug/L | | | 10/08/18 23:30 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 23:30 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 23:30 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/08/18 23:30 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 23:30 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 23:30 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 23:30 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 23:30 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 23:30 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/08/18 23:30 | 1 |
| **Toluene** | **0.53** | **J** | 1.0 | 0.38 | ug/L | | | 10/08/18 23:30 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 23:30 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 23:30 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/08/18 23:30 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/08/18 23:30 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 23:30 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Ethyl ether* | *25* | *J N* | *ug/L* | | *1.43* | *60-29-7* | | *10/08/18 23:30* | *1* |
| *Diethyl sulfide* | *6.1* | *J N* | *ug/L* | | *3.91* | *352-93-2* | | *10/08/18 23:30* | *1* |
| *1,3-Dichloro-2-methyl-propene* | *5.8* | *J N* | *ug/L* | | *4.35* | *1000194-02-2* | | *10/08/18 23:30* | *1* |
| *Benzene, 1-chloro-2-methyl-* | *44* | *J N* | *ug/L* | | *9.24* | *95-49-8* | | *10/08/18 23:30* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *74 - 132* | | *10/08/18 23:30* | *1* |
| *Bromofluorobenzene* | *98* | | *77 - 124* | | *10/08/18 23:30* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *72 - 131* | | *10/08/18 23:30* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *80 - 120* | | *10/08/18 23:30* | *1* |

## Client Sample ID: MW-36

**Date Collected: 09/27/18 12:15**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-7

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 06:26 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 06:26 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 06:26 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/08/18 06:26 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 06:26 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 06:26 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 06:26 | 1 |
| **1,4-Dioxane** | **28** | **J** | 50 | 28 | ug/L | | | 10/08/18 06:26 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 06:26 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 06:26 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 06:26 | 1 |
| **Acetone** | **5.8** | | 5.0 | 5.0 | ug/L | | | 10/08/18 06:26 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 06:26 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 06:26 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 06:26 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 06:26 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 06:26 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 06:26 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 06:26 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 06:26 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 06:26 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 06:26 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/08/18 06:26 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 06:26 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 06:26 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 06:26 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 06:26 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 06:26 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/08/18 06:26 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 06:26 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 06:26 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 06:26 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/08/18 06:26 | 1 |
| **Vinyl chloride** | **0.21** | **J** | 1.0 | 0.17 | ug/L | | | 10/08/18 06:26 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 06:26 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/08/18 06:26* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *74 - 132* | | *10/08/18 06:26* | *1* |
| *Bromofluorobenzene* | *98* | | *77 - 124* | | *10/08/18 06:26* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *72 - 131* | | *10/08/18 06:26* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *10/08/18 06:26* | *1* |

## Client Sample ID: MW-54

**Date Collected: 09/27/18 13:30**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-8

**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** | **0.30** | **J** | 1.0 | 0.24 | ug/L | | | 10/08/18 06:01 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 06:01 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 06:01 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/08/18 06:01 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 06:01 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 06:01 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 06:01 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/08/18 06:01 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 06:01 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 06:01 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 06:01 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/08/18 06:01 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 06:01 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 06:01 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 06:01 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 06:01 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 06:01 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 06:01 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 06:01 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 06:01 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 06:01 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 06:01 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/08/18 06:01 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 06:01 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 06:01 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 06:01 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 06:01 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 06:01 | 1 |
| **Tetrachloroethene** | **7.6** | | 1.0 | 0.25 | ug/L | | | 10/08/18 06:01 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 06:01 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 06:01 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 06:01 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/08/18 06:01 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/08/18 06:01 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 06:01 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/08/18 06:01* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *74 - 132* | | *10/08/18 06:01* | *1* |
| *Bromofluorobenzene* | *99* | | *77 - 124* | | *10/08/18 06:01* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *72 - 131* | | *10/08/18 06:01* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *10/08/18 06:01* | *1* |

# Surrogate Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2018

TestAmerica Job ID: 460-165722-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | DCA | BFB | DBFM | TOL |
| Lab Sample ID | Client Sample ID | (74-132) | (77-124) | (72-131) | (80-120) |
| 460-165722-1 | TB | 93 | 95 | 96 | 97 |
| 460-165722-2 | MW-24 | 94 | 98 | 96 | 95 |
| 460-165722-3 | MW-71 | 93 | 96 | 96 | 94 |
| 460-165722-4 | PZ-23 | 95 | 100 | 97 | 99 |
| 460-165722-5 | FB | 92 | 97 | 96 | 96 |
| 460-165722-6 | MW-31 | 93 | 98 | 97 | 95 |
| 460-165722-7 | MW-36 | 94 | 98 | 96 | 97 |
| 460-165722-8 | MW-54 | 94 | 99 | 97 | 97 |
| 460-166215-C-7 MS | Matrix Spike | 98 | 102 | 99 | 96 |
| 460-166215-C-7 MSD | Matrix Spike Duplicate | 100 | 100 | 100 | 96 |
| LCS 460-558208/3 | Lab Control Sample | 98 | 100 | 98 | 97 |
| LCS 460-558499/3 | Lab Control Sample | 96 | 101 | 97 | 96 |
| LCSD 460-558208/4 | Lab Control Sample Dup | 96 | 101 | 98 | 98 |
| MB 460-558208/7 | Method Blank | 94 | 99 | 99 | 97 |
| MB 460-558499/7 | Method Blank | 93 | 96 | 96 | 96 |

**Surrogate Legend**

DCA = 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 460-558208/7**
**Matrix: Water**
**Analysis Batch: 558208**

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/07/18 21:43 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/07/18 21:43 | 1 |
| 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/07/18 21:43 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/07/18 21:43 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/07/18 21:43 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/07/18 21:43 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/07/18 21:43 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/07/18 21:43 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/07/18 21:43 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/07/18 21:43 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/07/18 21:43 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/07/18 21:43 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/07/18 21:43 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/07/18 21:43 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/07/18 21:43 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/07/18 21:43 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/07/18 21:43 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/07/18 21:43 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/07/18 21:43 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/07/18 21:43 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/07/18 21:43 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/07/18 21:43 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/07/18 21:43 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/07/18 21:43 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/07/18 21:43 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/07/18 21:43 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/07/18 21:43 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/07/18 21:43 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/07/18 21:43 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/07/18 21:43 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/07/18 21:43 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/07/18 21:43 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/07/18 21:43 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/07/18 21:43 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/07/18 21:43 | 1 |

| *Tentatively Identified Compound* | *Est. Result* | *MB Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/07/18 21:43* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *74 - 132* | | *10/07/18 21:43* | *1* |
| *Bromofluorobenzene* | *99* | | *77 - 124* | | *10/07/18 21:43* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *72 - 131* | | *10/07/18 21:43* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *10/07/18 21:43* | *1* |

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

**Lab Sample ID: LCS 460-558208/3**
**Matrix: Water**
**Analysis Batch: 558208**

**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 | 20.5 | | ug/L | | 102 | 74 - 120 |
| 1,1,2-Trichloroethane | 20.0 | 18.7 | | ug/L | | 94 | 78 - 120 |
| 1,1-Dichloroethane | 20.0 | 18.8 | | ug/L | | 94 | 77 - 123 |
| 1,1-Dichloroethene | 20.0 | 19.9 | | ug/L | | 99 | 74 - 123 |
| 1,2-Dichloroethane | 20.0 | 18.6 | | ug/L | | 93 | 76 - 121 |
| 1,2-Dichloropropane | 20.0 | 18.7 | | ug/L | | 94 | 77 - 123 |
| 1,4-Dioxane | 400 | 426 | | ug/L | | 106 | 10 - 150 |
| 2-Butanone | 100 | 98.8 | | ug/L | | 99 | 64 - 120 |
| 2-Hexanone | 100 | 103 | | ug/L | | 103 | 71 - 125 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 97.4 | | ug/L | | 97 | 78 - 124 |
| Acetone | 100 | 102 | | ug/L | | 102 | 39 - 150 |
| Benzene | 20.0 | 18.9 | | ug/L | | 95 | 77 - 121 |
| Bromodichloromethane | 20.0 | 17.8 | | ug/L | | 89 | 76 - 120 |
| Bromoform | 20.0 | 15.2 | | ug/L | | 76 | 53 - 120 |
| Bromomethane | 20.0 | 16.9 | | ug/L | | 84 | 10 - 150 |
| Carbon disulfide | 20.0 | 17.4 | | ug/L | | 87 | 69 - 133 |
| Carbon tetrachloride | 20.0 | 18.7 | | ug/L | | 94 | 70 - 132 |
| Chlorobenzene | 20.0 | 19.2 | | ug/L | | 96 | 80 - 120 |
| Chloroethane | 20.0 | 20.1 | | ug/L | | 101 | 52 - 150 |
| Chloroform | 20.0 | 19.3 | | ug/L | | 96 | 80 - 120 |
| Chloromethane | 20.0 | 17.2 | | ug/L | | 86 | 56 - 131 |
| cis-1,2-Dichloroethene | 20.0 | 18.9 | | ug/L | | 95 | 80 - 120 |
| cis-1,3-Dichloropropene | 20.0 | 18.8 | | ug/L | | 94 | 77 - 120 |
| Dibromochloromethane | 20.0 | 17.0 | | ug/L | | 85 | 73 - 120 |
| Ethylbenzene | 20.0 | 19.0 | | ug/L | | 95 | 80 - 120 |
| Methylene Chloride | 20.0 | 17.5 | | ug/L | | 87 | 77 - 123 |
| Styrene | 20.0 | 20.1 | | ug/L | | 100 | 80 - 120 |
| Tetrachloroethene | 20.0 | 19.9 | | ug/L | | 99 | 78 - 122 |
| Toluene | 20.0 | 19.3 | | ug/L | | 97 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 19.1 | | ug/L | | 96 | 79 - 120 |
| trans-1,3-Dichloropropene | 20.0 | 20.1 | | ug/L | | 101 | 76 - 120 |
| Trichloroethene | 20.0 | 19.1 | | ug/L | | 95 | 77 - 120 |
| Vinyl chloride | 20.0 | 18.6 | | ug/L | | 93 | 62 - 138 |
| Xylenes, Total | 40.0 | 38.9 | | ug/L | | 97 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *74 - 132* |
| *Bromofluorobenzene* | *100* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *98* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* |

**Lab Sample ID: LCSD 460-558208/4**
**Matrix: Water**
**Analysis Batch: 558208**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 19.3 | | ug/L | | 97 | 75 - 125 | 1 | 30 |

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

**Lab Sample ID: LCSD 460-558208/4**
**Matrix: Water**
**Analysis Batch: 558208**

**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 | 20.5 | | ug/L | | 103 | 74 - 120 | 0 | 30 |
| 1,1,2-Trichloroethane | 20.0 | 18.6 | | ug/L | | 93 | 78 - 120 | 1 | 30 |
| 1,1-Dichloroethane | 20.0 | 18.6 | | ug/L | | 93 | 77 - 123 | 1 | 30 |
| 1,1-Dichloroethene | 20.0 | 19.2 | | ug/L | | 96 | 74 - 123 | 3 | 30 |
| 1,2-Dichloroethane | 20.0 | 18.4 | | ug/L | | 92 | 76 - 121 | 1 | 30 |
| 1,2-Dichloropropane | 20.0 | 18.8 | | ug/L | | 94 | 77 - 123 | 0 | 30 |
| 1,4-Dioxane | 400 | 447 | | ug/L | | 112 | 10 - 150 | 5 | 30 |
| 2-Butanone | 100 | 96.4 | | ug/L | | 96 | 64 - 120 | 2 | 30 |
| 2-Hexanone | 100 | 101 | | ug/L | | 101 | 71 - 125 | 2 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 97.5 | | ug/L | | 98 | 78 - 124 | 0 | 30 |
| Acetone | 100 | 96.6 | | ug/L | | 97 | 39 - 150 | 6 | 30 |
| Benzene | 20.0 | 19.1 | | ug/L | | 96 | 77 - 121 | 1 | 30 |
| Bromodichloromethane | 20.0 | 18.2 | | ug/L | | 91 | 76 - 120 | 2 | 30 |
| Bromoform | 20.0 | 15.4 | | ug/L | | 77 | 53 - 120 | 2 | 30 |
| Bromomethane | 20.0 | 16.5 | | ug/L | | 83 | 10 - 150 | 2 | 30 |
| Carbon disulfide | 20.0 | 17.1 | | ug/L | | 85 | 69 - 133 | 2 | 30 |
| Carbon tetrachloride | 20.0 | 18.3 | | ug/L | | 92 | 70 - 132 | 2 | 30 |
| Chlorobenzene | 20.0 | 19.4 | | ug/L | | 97 | 80 - 120 | 1 | 30 |
| Chloroethane | 20.0 | 19.2 | | ug/L | | 96 | 52 - 150 | 5 | 30 |
| Chloroform | 20.0 | 19.1 | | ug/L | | 96 | 80 - 120 | 1 | 30 |
| Chloromethane | 20.0 | 17.2 | | ug/L | | 86 | 56 - 131 | 0 | 30 |
| cis-1,2-Dichloroethene | 20.0 | 18.8 | | ug/L | | 94 | 80 - 120 | 1 | 30 |
| cis-1,3-Dichloropropene | 20.0 | 19.3 | | ug/L | | 97 | 77 - 120 | 3 | 30 |
| Dibromochloromethane | 20.0 | 17.0 | | ug/L | | 85 | 73 - 120 | 0 | 30 |
| Ethylbenzene | 20.0 | 19.3 | | ug/L | | 97 | 80 - 120 | 2 | 30 |
| Methylene Chloride | 20.0 | 17.1 | | ug/L | | 85 | 77 - 123 | 2 | 30 |
| Styrene | 20.0 | 20.1 | | ug/L | | 100 | 80 - 120 | 0 | 30 |
| Tetrachloroethene | 20.0 | 20.0 | | ug/L | | 100 | 78 - 122 | 0 | 30 |
| Toluene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 120 | 1 | 30 |
| trans-1,2-Dichloroethene | 20.0 | 18.8 | | ug/L | | 94 | 79 - 120 | 2 | 30 |
| trans-1,3-Dichloropropene | 20.0 | 20.0 | | ug/L | | 100 | 76 - 120 | 1 | 30 |
| Trichloroethene | 20.0 | 19.4 | | ug/L | | 97 | 77 - 120 | 2 | 30 |
| Vinyl chloride | 20.0 | 18.0 | | ug/L | | 90 | 62 - 138 | 3 | 30 |
| Xylenes, Total | 40.0 | 39.3 | | ug/L | | 98 | 80 - 120 | 1 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *96* | | *74 - 132* |
| *Bromofluorobenzene* | *101* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *98* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* |

**Lab Sample ID: MB 460-558499/7**
**Matrix: Water**
**Analysis Batch: 558499**

**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 | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 22:48 | 1 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 | ug/L | | | 10/08/18 22:48 | 1 |

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

**Lab Sample ID: MB 460-558499/7**
**Matrix: Water**
**Analysis Batch: 558499**

**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 | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 22:48 | 1 |
| 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 | ug/L | | | 10/08/18 22:48 | 1 |
| 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 | ug/L | | | 10/08/18 22:48 | 1 |
| 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 22:48 | 1 |
| 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 | ug/L | | | 10/08/18 22:48 | 1 |
| 1,4-Dioxane | 28 | U | 50 | 28 | ug/L | | | 10/08/18 22:48 | 1 |
| 2-Butanone | 1.9 | U | 5.0 | 1.9 | ug/L | | | 10/08/18 22:48 | 1 |
| 2-Hexanone | 2.9 | U | 5.0 | 2.9 | ug/L | | | 10/08/18 22:48 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 | ug/L | | | 10/08/18 22:48 | 1 |
| Acetone | 5.0 | U | 5.0 | 5.0 | ug/L | | | 10/08/18 22:48 | 1 |
| Benzene | 0.43 | U | 1.0 | 0.43 | ug/L | | | 10/08/18 22:48 | 1 |
| Bromodichloromethane | 0.34 | U | 1.0 | 0.34 | ug/L | | | 10/08/18 22:48 | 1 |
| Bromoform | 0.54 | U | 1.0 | 0.54 | ug/L | | | 10/08/18 22:48 | 1 |
| Bromomethane | 1.0 | U | 1.0 | 1.0 | ug/L | | | 10/08/18 22:48 | 1 |
| Carbon disulfide | 0.16 | U | 1.0 | 0.16 | ug/L | | | 10/08/18 22:48 | 1 |
| Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 | ug/L | | | 10/08/18 22:48 | 1 |
| Chlorobenzene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 22:48 | 1 |
| Chloroethane | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 22:48 | 1 |
| Chloroform | 0.33 | U | 1.0 | 0.33 | ug/L | | | 10/08/18 22:48 | 1 |
| Chloromethane | 0.14 | U | 1.0 | 0.14 | ug/L | | | 10/08/18 22:48 | 1 |
| cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 | ug/L | | | 10/08/18 22:48 | 1 |
| cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 | ug/L | | | 10/08/18 22:48 | 1 |
| Dibromochloromethane | 0.28 | U | 1.0 | 0.28 | ug/L | | | 10/08/18 22:48 | 1 |
| Ethylbenzene | 0.30 | U | 1.0 | 0.30 | ug/L | | | 10/08/18 22:48 | 1 |
| Methylene Chloride | 0.32 | U | 1.0 | 0.32 | ug/L | | | 10/08/18 22:48 | 1 |
| Styrene | 0.42 | U | 1.0 | 0.42 | ug/L | | | 10/08/18 22:48 | 1 |
| Tetrachloroethene | 0.25 | U | 1.0 | 0.25 | ug/L | | | 10/08/18 22:48 | 1 |
| Toluene | 0.38 | U | 1.0 | 0.38 | ug/L | | | 10/08/18 22:48 | 1 |
| trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 | ug/L | | | 10/08/18 22:48 | 1 |
| trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 | ug/L | | | 10/08/18 22:48 | 1 |
| Trichloroethene | 0.31 | U | 1.0 | 0.31 | ug/L | | | 10/08/18 22:48 | 1 |
| Vinyl chloride | 0.17 | U | 1.0 | 0.17 | ug/L | | | 10/08/18 22:48 | 1 |
| Xylenes, Total | 0.65 | U | 2.0 | 0.65 | ug/L | | | 10/08/18 22:48 | 1 |

| *Tentatively Identified Compound* | *MB Est. Result* | *MB Qualifier* | *Unit* | *D* | *RT* | *CAS No.* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|---|---|---|
| *Tentatively Identified Compound* | *None* | | *ug/L* | | | | | *10/08/18 22:48* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *74 - 132* | | *10/08/18 22:48* | *1* |
| *Bromofluorobenzene* | *96* | | *77 - 124* | | *10/08/18 22:48* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *72 - 131* | | *10/08/18 22:48* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *10/08/18 22:48* | *1* |

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

**Lab Sample ID: LCS 460-558499/3**
**Matrix: Water**
**Analysis Batch: 558499**

**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 | 19.8 | | ug/L | | 99 | 75 - 125 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.8 | | ug/L | | 94 | 74 - 120 |
| 1,1,2-Trichloroethane | 20.0 | 18.1 | | ug/L | | 91 | 78 - 120 |
| 1,1-Dichloroethane | 20.0 | 18.1 | | ug/L | | 90 | 77 - 123 |
| 1,1-Dichloroethene | 20.0 | 19.8 | | ug/L | | 99 | 74 - 123 |
| 1,2-Dichloroethane | 20.0 | 18.1 | | ug/L | | 90 | 76 - 121 |
| 1,2-Dichloropropane | 20.0 | 18.2 | | ug/L | | 91 | 77 - 123 |
| 1,4-Dioxane | 400 | 401 | | ug/L | | 100 | 10 - 150 |
| 2-Butanone | 100 | 105 | | ug/L | | 105 | 64 - 120 |
| 2-Hexanone | 100 | 100 | | ug/L | | 100 | 71 - 125 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 98.3 | | ug/L | | 98 | 78 - 124 |
| Acetone | 100 | 103 | | ug/L | | 103 | 39 - 150 |
| Benzene | 20.0 | 19.2 | | ug/L | | 96 | 77 - 121 |
| Bromodichloromethane | 20.0 | 17.5 | | ug/L | | 88 | 76 - 120 |
| Bromoform | 20.0 | 12.7 | | ug/L | | 64 | 53 - 120 |
| Bromomethane | 20.0 | 20.8 | | ug/L | | 104 | 10 - 150 |
| Carbon disulfide | 20.0 | 16.3 | | ug/L | | 82 | 69 - 133 |
| Carbon tetrachloride | 20.0 | 17.9 | | ug/L | | 89 | 70 - 132 |
| Chlorobenzene | 20.0 | 19.4 | | ug/L | | 97 | 80 - 120 |
| Chloroethane | 20.0 | 20.5 | | ug/L | | 102 | 52 - 150 |
| Chloroform | 20.0 | 19.4 | | ug/L | | 97 | 80 - 120 |
| Chloromethane | 20.0 | 16.1 | | ug/L | | 81 | 56 - 131 |
| cis-1,2-Dichloroethene | 20.0 | 19.3 | | ug/L | | 96 | 80 - 120 |
| cis-1,3-Dichloropropene | 20.0 | 18.8 | | ug/L | | 94 | 77 - 120 |
| Dibromochloromethane | 20.0 | 15.5 | | ug/L | | 77 | 73 - 120 |
| Ethylbenzene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 120 |
| Methylene Chloride | 20.0 | 17.3 | | ug/L | | 86 | 77 - 123 |
| Styrene | 20.0 | 20.3 | | ug/L | | 102 | 80 - 120 |
| Tetrachloroethene | 20.0 | 20.6 | | ug/L | | 103 | 78 - 122 |
| Toluene | 20.0 | 19.5 | | ug/L | | 98 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 19.1 | | ug/L | | 96 | 79 - 120 |
| trans-1,3-Dichloropropene | 20.0 | 19.4 | | ug/L | | 97 | 76 - 120 |
| Trichloroethene | 20.0 | 20.0 | | ug/L | | 100 | 77 - 120 |
| Vinyl chloride | 20.0 | 18.7 | | ug/L | | 94 | 62 - 138 |
| Xylenes, Total | 40.0 | 39.6 | | ug/L | | 99 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *96* | | *74 - 132* |
| *Bromofluorobenzene* | *101* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *97* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* |

**Lab Sample ID: 460-166215-C-7 MS**
**Matrix: Water**
**Analysis Batch: 558499**

**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 | 0.24 | U | 20.0 | 19.3 | | ug/L | | 96 | 75 - 125 |

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

**Lab Sample ID: 460-166215-C-7 MS**
**Matrix: Water**
**Analysis Batch: 558499**

**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 | 0.37 | U | 20.0 | 18.4 | | ug/L | | 92 | 74 - 120 |
| 1,1,2-Trichloroethane | 0.43 | U | 20.0 | 17.8 | | ug/L | | 89 | 78 - 120 |
| 1,1-Dichloroethane | 0.26 | U | 20.0 | 17.6 | | ug/L | | 88 | 77 - 123 |
| 1,1-Dichloroethene | 0.12 | U | 20.0 | 19.5 | | ug/L | | 98 | 74 - 123 |
| 1,2-Dichloroethane | 0.43 | U | 20.0 | 17.5 | | ug/L | | 87 | 76 - 121 |
| 1,2-Dichloropropane | 0.35 | U | 20.0 | 18.1 | | ug/L | | 91 | 77 - 123 |
| 1,4-Dioxane | 28 | U | 400 | 392 | | ug/L | | 98 | 10 - 150 |
| 2-Butanone | 1.9 | U | 100 | 98.5 | | ug/L | | 99 | 64 - 120 |
| 2-Hexanone | 2.9 | U | 100 | 98.9 | | ug/L | | 99 | 71 - 125 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 100 | 98.4 | | ug/L | | 98 | 78 - 124 |
| Acetone | 5.0 | U | 100 | 97.3 | | ug/L | | 97 | 39 - 150 |
| Benzene | 0.43 | U | 20.0 | 18.5 | | ug/L | | 93 | 77 - 121 |
| Bromodichloromethane | 0.34 | U | 20.0 | 16.9 | | ug/L | | 85 | 76 - 120 |
| Bromoform | 0.54 | U | 20.0 | 12.7 | | ug/L | | 64 | 53 - 120 |
| Bromomethane | 1.0 | U | 20.0 | 17.1 | | ug/L | | 85 | 10 - 150 |
| Carbon disulfide | 0.16 | U | 20.0 | 15.8 | | ug/L | | 79 | 69 - 133 |
| Carbon tetrachloride | 0.21 | U | 20.0 | 18.1 | | ug/L | | 91 | 70 - 132 |
| Chlorobenzene | 0.38 | U | 20.0 | 19.6 | | ug/L | | 98 | 80 - 120 |
| Chloroethane | 0.32 | U | 20.0 | 19.2 | | ug/L | | 96 | 52 - 150 |
| Chloroform | 0.33 | U | 20.0 | 18.9 | | ug/L | | 95 | 80 - 120 |
| Chloromethane | 0.14 | U | 20.0 | 17.5 | | ug/L | | 87 | 56 - 131 |
| cis-1,2-Dichloroethene | 0.22 | U | 20.0 | 19.0 | | ug/L | | 95 | 80 - 120 |
| cis-1,3-Dichloropropene | 0.46 | U | 20.0 | 17.7 | | ug/L | | 89 | 77 - 120 |
| Dibromochloromethane | 0.28 | U | 20.0 | 15.4 | | ug/L | | 77 | 73 - 120 |
| Ethylbenzene | 0.30 | U | 20.0 | 19.3 | | ug/L | | 96 | 80 - 120 |
| Methylene Chloride | 0.32 | U | 20.0 | 17.1 | | ug/L | | 85 | 77 - 123 |
| Styrene | 0.42 | U | 20.0 | 19.9 | | ug/L | | 99 | 80 - 120 |
| Tetrachloroethene | 0.25 | U | 20.0 | 20.2 | | ug/L | | 101 | 78 - 122 |
| Toluene | 0.38 | U | 20.0 | 19.1 | | ug/L | | 96 | 80 - 120 |
| trans-1,2-Dichloroethene | 0.24 | U | 20.0 | 18.9 | | ug/L | | 95 | 79 - 120 |
| trans-1,3-Dichloropropene | 0.49 | U | 20.0 | 18.9 | | ug/L | | 94 | 76 - 120 |
| Trichloroethene | 0.31 | U | 20.0 | 19.4 | | ug/L | | 97 | 77 - 120 |
| Vinyl chloride | 0.17 | U | 20.0 | 17.7 | | ug/L | | 88 | 62 - 138 |
| Xylenes, Total | 0.65 | U | 40.0 | 38.6 | | ug/L | | 96 | 80 - 120 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *74 - 132* |
| *Bromofluorobenzene* | *102* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *99* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* |

**Lab Sample ID: 460-166215-C-7 MSD**
**Matrix: Water**
**Analysis Batch: 558499**

**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 | 0.24 | U | 20.0 | 19.7 | | ug/L | | 98 | 75 - 125 | 2 | 30 |
| 1,1,2,2-Tetrachloroethane | 0.37 | U | 20.0 | 18.9 | | ug/L | | 95 | 74 - 120 | 3 | 30 |

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

**Lab Sample ID: 460-166215-C-7 MSD**
**Matrix: Water**
**Analysis Batch: 558499**

**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 | 0.43 | U | 20.0 | 18.1 | | ug/L | | 91 | 78 - 120 | 2 | 30 |
| 1,1-Dichloroethane | 0.26 | U | 20.0 | 17.6 | | ug/L | | 88 | 77 - 123 | 0 | 30 |
| 1,1-Dichloroethene | 0.12 | U | 20.0 | 19.7 | | ug/L | | 98 | 74 - 123 | 1 | 30 |
| 1,2-Dichloroethane | 0.43 | U | 20.0 | 18.2 | | ug/L | | 91 | 76 - 121 | 4 | 30 |
| 1,2-Dichloropropane | 0.35 | U | 20.0 | 18.6 | | ug/L | | 93 | 77 - 123 | 3 | 30 |
| 1,4-Dioxane | 28 | U | 400 | 411 | | ug/L | | 103 | 10 - 150 | 5 | 30 |
| 2-Butanone | 1.9 | U | 100 | 99.9 | | ug/L | | 100 | 64 - 120 | 1 | 30 |
| 2-Hexanone | 2.9 | U | 100 | 102 | | ug/L | | 102 | 71 - 125 | 3 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 100 | 97.5 | | ug/L | | 97 | 78 - 124 | 1 | 30 |
| Acetone | 5.0 | U | 100 | 96.9 | | ug/L | | 97 | 39 - 150 | 0 | 30 |
| Benzene | 0.43 | U | 20.0 | 18.7 | | ug/L | | 93 | 77 - 121 | 1 | 30 |
| Bromodichloromethane | 0.34 | U | 20.0 | 17.5 | | ug/L | | 87 | 76 - 120 | 3 | 30 |
| Bromoform | 0.54 | U | 20.0 | 13.5 | | ug/L | | 67 | 53 - 120 | 5 | 30 |
| Bromomethane | 1.0 | U | 20.0 | 18.6 | | ug/L | | 93 | 10 - 150 | 9 | 30 |
| Carbon disulfide | 0.16 | U | 20.0 | 16.4 | | ug/L | | 82 | 69 - 133 | 3 | 30 |
| Carbon tetrachloride | 0.21 | U | 20.0 | 18.6 | | ug/L | | 93 | 70 - 132 | 3 | 30 |
| Chlorobenzene | 0.38 | U | 20.0 | 19.5 | | ug/L | | 97 | 80 - 120 | 1 | 30 |
| Chloroethane | 0.32 | U | 20.0 | 20.5 | | ug/L | | 102 | 52 - 150 | 6 | 30 |
| Chloroform | 0.33 | U | 20.0 | 19.6 | | ug/L | | 98 | 80 - 120 | 4 | 30 |
| Chloromethane | 0.14 | U | 20.0 | 15.7 | | ug/L | | 78 | 56 - 131 | 11 | 30 |
| cis-1,2-Dichloroethene | 0.22 | U | 20.0 | 19.4 | | ug/L | | 97 | 80 - 120 | 2 | 30 |
| cis-1,3-Dichloropropene | 0.46 | U | 20.0 | 18.3 | | ug/L | | 91 | 77 - 120 | 3 | 30 |
| Dibromochloromethane | 0.28 | U | 20.0 | 15.7 | | ug/L | | 78 | 73 - 120 | 2 | 30 |
| Ethylbenzene | 0.30 | U | 20.0 | 19.1 | | ug/L | | 96 | 80 - 120 | 1 | 30 |
| Methylene Chloride | 0.32 | U | 20.0 | 17.8 | | ug/L | | 89 | 77 - 123 | 4 | 30 |
| Styrene | 0.42 | U | 20.0 | 19.7 | | ug/L | | 99 | 80 - 120 | 1 | 30 |
| Tetrachloroethene | 0.25 | U | 20.0 | 20.5 | | ug/L | | 103 | 78 - 122 | 2 | 30 |
| Toluene | 0.38 | U | 20.0 | 19.1 | | ug/L | | 96 | 80 - 120 | 0 | 30 |
| trans-1,2-Dichloroethene | 0.24 | U | 20.0 | 19.4 | | ug/L | | 97 | 79 - 120 | 2 | 30 |
| trans-1,3-Dichloropropene | 0.49 | U | 20.0 | 18.9 | | ug/L | | 94 | 76 - 120 | 0 | 30 |
| Trichloroethene | 0.31 | U | 20.0 | 20.1 | | ug/L | | 101 | 77 - 120 | 4 | 30 |
| Vinyl chloride | 0.17 | U | 20.0 | 18.6 | | ug/L | | 93 | 62 - 138 | 5 | 30 |
| Xylenes, Total | 0.65 | U | 40.0 | 39.1 | | ug/L | | 98 | 80 - 120 | 1 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *74 - 132* |
| *Bromofluorobenzene* | *100* | | *77 - 124* |
| *Dibromofluoromethane (Surr)* | *100* | | *72 - 131* |
| *Toluene-d8 (Surr)* | *96* | | *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. |

### 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) |

## GC/MS VOA

### Analysis Batch: 558208

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 460-165722-1 | TB | Total/NA | Water | 8260C | |
| 460-165722-2 | MW-24 | Total/NA | Water | 8260C | |
| 460-165722-3 | MW-71 | Total/NA | Water | 8260C | |
| 460-165722-4 | PZ-23 | Total/NA | Water | 8260C | |
| 460-165722-5 | FB | Total/NA | Water | 8260C | |
| 460-165722-7 | MW-36 | Total/NA | Water | 8260C | |
| 460-165722-8 | MW-54 | Total/NA | Water | 8260C | |
| MB 460-558208/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 460-558208/3 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 460-558208/4 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

### Analysis Batch: 558499

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 460-165722-6 | MW-31 | Total/NA | Water | 8260C | |
| MB 460-558499/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 460-558499/3 | Lab Control Sample | Total/NA | Water | 8260C | |
| 460-166215-C-7 MS | Matrix Spike | Total/NA | Water | 8260C | |
| 460-166215-C-7 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260C | |

## Client Sample ID: TB
**Lab Sample ID: 460-165722-1**
**Date Collected: 09/26/18 00:00**
**Matrix: Water**
**Date Received: 09/27/18 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558208 | 10/07/18 23:55 | XXC | TAL EDI |

## Client Sample ID: MW-24
**Lab Sample ID: 460-165722-2**
**Date Collected: 09/27/18 09:28**
**Matrix: Water**
**Date Received: 09/27/18 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558208 | 10/08/18 04:45 | XXC | TAL EDI |

## Client Sample ID: MW-71
**Lab Sample ID: 460-165722-3**
**Date Collected: 09/27/18 09:35**
**Matrix: Water**
**Date Received: 09/27/18 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558208 | 10/08/18 05:11 | XXC | TAL EDI |

## Client Sample ID: PZ-23
**Lab Sample ID: 460-165722-4**
**Date Collected: 09/27/18 10:45**
**Matrix: Water**
**Date Received: 09/27/18 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558208 | 10/08/18 05:36 | XXC | TAL EDI |

## Client Sample ID: FB
**Lab Sample ID: 460-165722-5**
**Date Collected: 09/27/18 10:10**
**Matrix: Water**
**Date Received: 09/27/18 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558208 | 10/08/18 00:20 | XXC | TAL EDI |

## Client Sample ID: MW-31
**Lab Sample ID: 460-165722-6**
**Date Collected: 09/27/18 11:40**
**Matrix: Water**
**Date Received: 09/27/18 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558499 | 10/08/18 23:30 | XXC | TAL EDI |

# Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2018

TestAmerica Job ID: 460-165722-1

## Client Sample ID: MW-36
**Date Collected: 09/27/18 12:15**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-7
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558208 | 10/08/18 06:26 | XXC | TAL EDI |

## Client Sample ID: MW-54
**Date Collected: 09/27/18 13:30**
**Date Received: 09/27/18 15:55**

## Lab Sample ID: 460-165722-8
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 558208 | 10/08/18 06:01 | XXC | 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 9/2018

TestAmerica Job ID: 460-165722-1

## Laboratory: TestAmerica Edison

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| New York | NELAP | 2 | 11452 | 04-01-19 |

# 8260C

## Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-165722-1

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 # |
|---|---|---|---|---|---|
| TB | 460-165722-1 | 96 | 93 | 97 | 95 |
| MW-24 | 460-165722-2 | 96 | 94 | 95 | 98 |
| MW-71 | 460-165722-3 | 96 | 93 | 94 | 96 |
| PZ-23 | 460-165722-4 | 97 | 95 | 99 | 100 |
| FB | 460-165722-5 | 96 | 92 | 96 | 97 |
| MW-31 | 460-165722-6 | 97 | 93 | 95 | 98 |
| MW-36 | 460-165722-7 | 96 | 94 | 97 | 98 |
| MW-54 | 460-165722-8 | 97 | 94 | 97 | 99 |
| | MB 460-558208/7 | 99 | 94 | 97 | 99 |
| | MB 460-558499/7 | 96 | 93 | 96 | 96 |
| | LCS 460-558208/3 | 98 | 98 | 97 | 100 |
| | LCS 460-558499/3 | 97 | 96 | 96 | 101 |
| | LCSD 460-558208/4 | 98 | 96 | 98 | 101 |
| | 460-166215-C-7 MS | 99 | 98 | 96 | 102 |
| | 460-166215-C-7 MSD | 100 | 100 | 96 | 100 |

| | 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.: 460-165722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P51517.D

Lab ID: LCS 460-558208/3 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 | 20.5 | 102 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 18.7 | 94 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 18.8 | 94 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 19.9 | 99 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 18.6 | 93 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 18.7 | 94 | 77-123 | |
| 1,4-Dioxane | 400 | 426 | 106 | 10-150 | |
| 2-Butanone | 100 | 98.8 | 99 | 64-120 | |
| 2-Hexanone | 100 | 103 | 103 | 71-125 | |
| 4-Methyl-2-pentanone (MIBK) | 100 | 97.4 | 97 | 78-124 | |
| Acetone | 100 | 102 | 102 | 39-150 | |
| Benzene | 20.0 | 18.9 | 95 | 77-121 | |
| Bromodichloromethane | 20.0 | 17.8 | 89 | 76-120 | |
| Bromoform | 20.0 | 15.2 | 76 | 53-120 | |
| Bromomethane | 20.0 | 16.9 | 84 | 10-150 | |
| Carbon disulfide | 20.0 | 17.4 | 87 | 69-133 | |
| Carbon tetrachloride | 20.0 | 18.7 | 94 | 70-132 | |
| Chlorobenzene | 20.0 | 19.2 | 96 | 80-120 | |
| Chloroethane | 20.0 | 20.1 | 101 | 52-150 | |
| Chloroform | 20.0 | 19.3 | 96 | 80-120 | |
| Chloromethane | 20.0 | 17.2 | 86 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 18.9 | 95 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 18.8 | 94 | 77-120 | |
| Dibromochloromethane | 20.0 | 17.0 | 85 | 73-120 | |
| Ethylbenzene | 20.0 | 19.0 | 95 | 80-120 | |
| Methylene Chloride | 20.0 | 17.5 | 87 | 77-123 | |
| Styrene | 20.0 | 20.1 | 100 | 80-120 | |
| Tetrachloroethene | 20.0 | 19.9 | 99 | 78-122 | |
| Toluene | 20.0 | 19.3 | 97 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 19.1 | 96 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 20.1 | 101 | 76-120 | |
| Trichloroethene | 20.0 | 19.1 | 95 | 77-120 | |
| Vinyl chloride | 20.0 | 18.6 | 93 | 62-138 | |
| Xylenes, Total | 40.0 | 38.9 | 97 | 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.: 460-165722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P51575.D

Lab ID: LCS 460-558499/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 19.8 | 99 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.8 | 94 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 18.1 | 91 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 18.1 | 90 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 19.8 | 99 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 18.1 | 90 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 18.2 | 91 | 77-123 | |
| 1,4-Dioxane | 400 | 401 | 100 | 10-150 | |
| 2-Butanone | 100 | 105 | 105 | 64-120 | |
| 2-Hexanone | 100 | 100 | 100 | 71-125 | |
| 4-Methyl-2-pentanone (MIBK) | 100 | 98.3 | 98 | 78-124 | |
| Acetone | 100 | 103 | 103 | 39-150 | |
| Benzene | 20.0 | 19.2 | 96 | 77-121 | |
| Bromodichloromethane | 20.0 | 17.5 | 88 | 76-120 | |
| Bromoform | 20.0 | 12.7 | 64 | 53-120 | |
| Bromomethane | 20.0 | 20.8 | 104 | 10-150 | |
| Carbon disulfide | 20.0 | 16.3 | 82 | 69-133 | |
| Carbon tetrachloride | 20.0 | 17.9 | 89 | 70-132 | |
| Chlorobenzene | 20.0 | 19.4 | 97 | 80-120 | |
| Chloroethane | 20.0 | 20.5 | 102 | 52-150 | |
| Chloroform | 20.0 | 19.4 | 97 | 80-120 | |
| Chloromethane | 20.0 | 16.1 | 81 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 19.3 | 96 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 18.8 | 94 | 77-120 | |
| Dibromochloromethane | 20.0 | 15.5 | 77 | 73-120 | |
| Ethylbenzene | 20.0 | 19.6 | 98 | 80-120 | |
| Methylene Chloride | 20.0 | 17.3 | 86 | 77-123 | |
| Styrene | 20.0 | 20.3 | 102 | 80-120 | |
| Tetrachloroethene | 20.0 | 20.6 | 103 | 78-122 | |
| Toluene | 20.0 | 19.5 | 98 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 19.1 | 96 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 19.4 | 97 | 76-120 | |
| Trichloroethene | 20.0 | 20.0 | 100 | 77-120 | |
| Vinyl chloride | 20.0 | 18.7 | 94 | 62-138 | |
| Xylenes, Total | 40.0 | 39.6 | 99 | 80-120 | |

# Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P51518.D

Lab ID: LCSD 460-558208/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 19.3 | 97 | 1 | 30 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 20.5 | 103 | 0 | 30 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 18.6 | 93 | 1 | 30 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 18.6 | 93 | 1 | 30 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 19.2 | 96 | 3 | 30 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 18.4 | 92 | 1 | 30 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 18.8 | 94 | 0 | 30 | 77-123 | |
| 1,4-Dioxane | 400 | 447 | 112 | 5 | 30 | 10-150 | |
| 2-Butanone | 100 | 96.4 | 96 | 2 | 30 | 64-120 | |
| 2-Hexanone | 100 | 101 | 101 | 2 | 30 | 71-125 | |
| 4-Methyl-2-pentanone (MIBK) | 100 | 97.5 | 98 | 0 | 30 | 78-124 | |
| Acetone | 100 | 96.6 | 97 | 6 | 30 | 39-150 | |
| Benzene | 20.0 | 19.1 | 96 | 1 | 30 | 77-121 | |
| Bromodichloromethane | 20.0 | 18.2 | 91 | 2 | 30 | 76-120 | |
| Bromoform | 20.0 | 15.4 | 77 | 2 | 30 | 53-120 | |
| Bromomethane | 20.0 | 16.5 | 83 | 2 | 30 | 10-150 | |
| Carbon disulfide | 20.0 | 17.1 | 85 | 2 | 30 | 69-133 | |
| Carbon tetrachloride | 20.0 | 18.3 | 92 | 2 | 30 | 70-132 | |
| Chlorobenzene | 20.0 | 19.4 | 97 | 1 | 30 | 80-120 | |
| Chloroethane | 20.0 | 19.2 | 96 | 5 | 30 | 52-150 | |
| Chloroform | 20.0 | 19.1 | 96 | 1 | 30 | 80-120 | |
| Chloromethane | 20.0 | 17.2 | 86 | 0 | 30 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 18.8 | 94 | 1 | 30 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 19.3 | 97 | 3 | 30 | 77-120 | |
| Dibromochloromethane | 20.0 | 17.0 | 85 | 0 | 30 | 73-120 | |
| Ethylbenzene | 20.0 | 19.3 | 97 | 2 | 30 | 80-120 | |
| Methylene Chloride | 20.0 | 17.1 | 85 | 2 | 30 | 77-123 | |
| Styrene | 20.0 | 20.1 | 100 | 0 | 30 | 80-120 | |
| Tetrachloroethene | 20.0 | 20.0 | 100 | 0 | 30 | 78-122 | |
| Toluene | 20.0 | 19.6 | 98 | 1 | 30 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 18.8 | 94 | 2 | 30 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 20.0 | 100 | 1 | 30 | 76-120 | |
| Trichloroethene | 20.0 | 19.4 | 97 | 2 | 30 | 77-120 | |
| Vinyl chloride | 20.0 | 18.0 | 90 | 3 | 30 | 62-138 | |
| Xylenes, Total | 40.0 | 39.3 | 98 | 1 | 30 | 80-120 | |

# Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P51581.D

Lab ID: 460-166215-C-7 MS Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 0.24 U | 19.3 | 96 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 0.37 U | 18.4 | 92 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 0.43 U | 17.8 | 89 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 0.26 U | 17.6 | 88 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 0.12 U | 19.5 | 98 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 0.43 U | 17.5 | 87 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 0.35 U | 18.1 | 91 | 77-123 | |
| 1,4-Dioxane | 400 | 28 U | 392 | 98 | 10-150 | |
| 2-Butanone | 100 | 1.9 U | 98.5 | 99 | 64-120 | |
| 2-Hexanone | 100 | 2.9 U | 98.9 | 99 | 71-125 | |
| 4-Methyl-2-pentanone (MIBK) | 100 | 2.7 U | 98.4 | 98 | 78-124 | |
| Acetone | 100 | 5.0 U | 97.3 | 97 | 39-150 | |
| Benzene | 20.0 | 0.43 U | 18.5 | 93 | 77-121 | |
| Bromodichloromethane | 20.0 | 0.34 U | 16.9 | 85 | 76-120 | |
| Bromoform | 20.0 | 0.54 U | 12.7 | 64 | 53-120 | |
| Bromomethane | 20.0 | 1.0 U | 17.1 | 85 | 10-150 | |
| Carbon disulfide | 20.0 | 0.16 U | 15.8 | 79 | 69-133 | |
| Carbon tetrachloride | 20.0 | 0.21 U | 18.1 | 91 | 70-132 | |
| Chlorobenzene | 20.0 | 0.38 U | 19.6 | 98 | 80-120 | |
| Chloroethane | 20.0 | 0.32 U | 19.2 | 96 | 52-150 | |
| Chloroform | 20.0 | 0.33 U | 18.9 | 95 | 80-120 | |
| Chloromethane | 20.0 | 0.14 U | 17.5 | 87 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 0.22 U | 19.0 | 95 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 0.46 U | 17.7 | 89 | 77-120 | |
| Dibromochloromethane | 20.0 | 0.28 U | 15.4 | 77 | 73-120 | |
| Ethylbenzene | 20.0 | 0.30 U | 19.3 | 96 | 80-120 | |
| Methylene Chloride | 20.0 | 0.32 U | 17.1 | 85 | 77-123 | |
| Styrene | 20.0 | 0.42 U | 19.9 | 99 | 80-120 | |
| Tetrachloroethene | 20.0 | 0.25 U | 20.2 | 101 | 78-122 | |
| Toluene | 20.0 | 0.38 U | 19.1 | 96 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 0.24 U | 18.9 | 95 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 0.49 U | 18.9 | 94 | 76-120 | |
| Trichloroethene | 20.0 | 0.31 U | 19.4 | 97 | 77-120 | |
| Vinyl chloride | 20.0 | 0.17 U | 17.7 | 88 | 62-138 | |
| Xylenes, Total | 40.0 | 0.65 U | 38.6 | 96 | 80-120 | |

# Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P51582.D

Lab ID: 460-166215-C-7 MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 19.7 | 98 | 2 | 30 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.9 | 95 | 3 | 30 | 74-120 | |
| 1,1,2-Trichloroethane | 20.0 | 18.1 | 91 | 2 | 30 | 78-120 | |
| 1,1-Dichloroethane | 20.0 | 17.6 | 88 | 0 | 30 | 77-123 | |
| 1,1-Dichloroethene | 20.0 | 19.7 | 98 | 1 | 30 | 74-123 | |
| 1,2-Dichloroethane | 20.0 | 18.2 | 91 | 4 | 30 | 76-121 | |
| 1,2-Dichloropropane | 20.0 | 18.6 | 93 | 3 | 30 | 77-123 | |
| 1,4-Dioxane | 400 | 411 | 103 | 5 | 30 | 10-150 | |
| 2-Butanone | 100 | 99.9 | 100 | 1 | 30 | 64-120 | |
| 2-Hexanone | 100 | 102 | 102 | 3 | 30 | 71-125 | |
| 4-Methyl-2-pentanone (MIBK) | 100 | 97.5 | 97 | 1 | 30 | 78-124 | |
| Acetone | 100 | 96.9 | 97 | 0 | 30 | 39-150 | |
| Benzene | 20.0 | 18.7 | 93 | 1 | 30 | 77-121 | |
| Bromodichloromethane | 20.0 | 17.5 | 87 | 3 | 30 | 76-120 | |
| Bromoform | 20.0 | 13.5 | 67 | 5 | 30 | 53-120 | |
| Bromomethane | 20.0 | 18.6 | 93 | 9 | 30 | 10-150 | |
| Carbon disulfide | 20.0 | 16.4 | 82 | 3 | 30 | 69-133 | |
| Carbon tetrachloride | 20.0 | 18.6 | 93 | 3 | 30 | 70-132 | |
| Chlorobenzene | 20.0 | 19.5 | 97 | 1 | 30 | 80-120 | |
| Chloroethane | 20.0 | 20.5 | 102 | 6 | 30 | 52-150 | |
| Chloroform | 20.0 | 19.6 | 98 | 4 | 30 | 80-120 | |
| Chloromethane | 20.0 | 15.7 | 78 | 11 | 30 | 56-131 | |
| cis-1,2-Dichloroethene | 20.0 | 19.4 | 97 | 2 | 30 | 80-120 | |
| cis-1,3-Dichloropropene | 20.0 | 18.3 | 91 | 3 | 30 | 77-120 | |
| Dibromochloromethane | 20.0 | 15.7 | 78 | 2 | 30 | 73-120 | |
| Ethylbenzene | 20.0 | 19.1 | 96 | 1 | 30 | 80-120 | |
| Methylene Chloride | 20.0 | 17.8 | 89 | 4 | 30 | 77-123 | |
| Styrene | 20.0 | 19.7 | 99 | 1 | 30 | 80-120 | |
| Tetrachloroethene | 20.0 | 20.5 | 103 | 2 | 30 | 78-122 | |
| Toluene | 20.0 | 19.1 | 96 | 0 | 30 | 80-120 | |
| trans-1,2-Dichloroethene | 20.0 | 19.4 | 97 | 2 | 30 | 79-120 | |
| trans-1,3-Dichloropropene | 20.0 | 18.9 | 94 | 0 | 30 | 76-120 | |
| Trichloroethene | 20.0 | 20.1 | 101 | 4 | 30 | 77-120 | |
| Vinyl chloride | 20.0 | 18.6 | 93 | 5 | 30 | 62-138 | |
| Xylenes, Total | 40.0 | 39.1 | 98 | 1 | 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.: 460-165722-1

SDG No.:

Lab File ID: P51521.D Lab Sample ID: MB 460-558208/7

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

Instrument ID: CVOAMS13 Date Analyzed: 10/07/2018 21:43

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 460-558208/3 | P51517.D | 10/07/2018 20:01 |
| | LCSD 460-558208/4 | P51518.D | 10/07/2018 20:27 |
| TB | 460-165722-1 | P51526.D | 10/07/2018 23:55 |
| FB | 460-165722-5 | P51527.D | 10/08/2018 00:20 |
| MW-24 | 460-165722-2 | P51537.D | 10/08/2018 04:45 |
| MW-71 | 460-165722-3 | P51538.D | 10/08/2018 05:11 |
| PZ-23 | 460-165722-4 | P51539.D | 10/08/2018 05:36 |
| MW-54 | 460-165722-8 | P51540.D | 10/08/2018 06:01 |
| MW-36 | 460-165722-7 | P51541.D | 10/08/2018 06:26 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Lab File ID: P51579.D Lab Sample ID: MB 460-558499/7

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

Instrument ID: CVOAMS13 Date Analyzed: 10/08/2018 22:48

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 460-558499/3 | P51575.D | 10/08/2018 21:07 |
| MW-31 | 460-165722-6 | P51580.D | 10/08/2018 23:30 |
| | 460-166215-C-7 MS | P51581.D | 10/08/2018 23:55 |
| | 460-166215-C-7 MSD | P51582.D | 10/09/2018 00:20 |

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

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Lab File ID: P51402.D  BFB Injection Date: 10/05/2018

Instrument ID: CVOAMS13  BFB Injection Time: 17:26

Analysis Batch No.: 557743

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 20.6 | |
| 75 | 30.0 - 60.0 % of mass 95 | 50.4 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.7 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 78.6 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.6 | (8.3) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 76.4 | (97.2) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 4.7 | (6.1) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | STD8 460-557743/2 | P51403.D | 10/05/2018 | 18:07 |
| | STD05 460-557743/3 | P51404.D | 10/05/2018 | 18:34 |
| | STD1 460-557743/4 | P51405.D | 10/05/2018 | 19:00 |
| | STD5 460-557743/5 | P51406.D | 10/05/2018 | 19:26 |
| | STD20 460-557743/6 | P51407.D | 10/05/2018 | 19:53 |
| | STD50 460-557743/7 | P51408.D | 10/05/2018 | 20:19 |
| | STD200 460-557743/8 | P51409.D | 10/05/2018 | 20:45 |
| | STD500 460-557743/9 | P51410.D | 10/05/2018 | 21:11 |

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

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Lab File ID: P51515.D BFB Injection Date: 10/07/2018

Instrument ID: CVOAMS13 BFB Injection Time: 19:10

Analysis Batch No.: 558208

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 19.9 | |
| 75 | 30.0 - 60.0 % of mass 95 | 51.5 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.8 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 81.0 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.7 | (8.3) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 80.8 | (99.7) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.6 | (6.9) 2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-558208/2 | P51516.D | 10/07/2018 | 19:36 |
| | LCS 460-558208/3 | P51517.D | 10/07/2018 | 20:01 |
| | LCSD 460-558208/4 | P51518.D | 10/07/2018 | 20:27 |
| | MB 460-558208/7 | P51521.D | 10/07/2018 | 21:43 |
| TB | 460-165722-1 | P51526.D | 10/07/2018 | 23:55 |
| FB | 460-165722-5 | P51527.D | 10/08/2018 | 00:20 |
| MW-24 | 460-165722-2 | P51537.D | 10/08/2018 | 04:45 |
| MW-71 | 460-165722-3 | P51538.D | 10/08/2018 | 05:11 |
| PZ-23 | 460-165722-4 | P51539.D | 10/08/2018 | 05:36 |
| MW-54 | 460-165722-8 | P51540.D | 10/08/2018 | 06:01 |
| MW-36 | 460-165722-7 | P51541.D | 10/08/2018 | 06:26 |

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

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Lab File ID: P51573.D  BFB Injection Date: 10/08/2018

Instrument ID: CVOAMS13  BFB Injection Time: 20:10

Analysis Batch No.: 558499

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 20.6 | |
| 75 | 30.0 - 60.0 % of mass 95 | 51.6 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.7 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 81.3 | |
| 175 | 5.0 - 9.0 % of mass 174 | 4.7 | (5.8) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 80.6 | (99.1) 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 |
|---|---|---|---|---|
| | CCVIS 460-558499/2 | P51574.D | 10/08/2018 | 20:42 |
| | LCS 460-558499/3 | P51575.D | 10/08/2018 | 21:07 |
| | MB 460-558499/7 | P51579.D | 10/08/2018 | 22:48 |
| MW-31 | 460-165722-6 | P51580.D | 10/08/2018 | 23:30 |
| | 460-166215-C-7 MS | P51581.D | 10/08/2018 | 23:55 |
| | 460-166215-C-7 MSD | P51582.D | 10/09/2018 | 00:20 |

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

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Sample No.: CCVIS 460-558208/2  Date Analyzed: 10/07/2018 19:36

Instrument ID: CVOAMS13  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): P51516.D  Heated Purge: (Y/N) N

Calibration ID: 71476

| | | TBAd9 | | BUT | | FB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 156597 | 2.03 | 173264 | 3.06 | 404110 | 3.64 |
| UPPER LIMIT | | 313194 | 2.53 | 346528 | 3.56 | 808220 | 4.14 |
| LOWER LIMIT | | 78299 | 1.53 | 86632 | 2.56 | 202055 | 3.14 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-558208/3 | | 174165 | 2.03 | 187553 | 3.06 | 410721 | 3.64 |
| LCSD 460-558208/4 | | 175964 | 2.03 | 189540 | 3.06 | 411285 | 3.64 |
| MB 460-558208/7 | | 135879 | 2.03 | 155949 | 3.06 | 392754 | 3.64 |
| 460-165722-1 | TB | 131103 | 2.03 | 149657 | 3.06 | 388243 | 3.64 |
| 460-165722-5 | FB | 129227 | 2.03 | 148541 | 3.06 | 390580 | 3.64 |
| 460-165722-2 | MW-24 | 148871 | 2.03 | 160607 | 3.06 | 384125 | 3.64 |
| 460-165722-3 | MW-71 | 152264 | 2.03 | 164190 | 3.06 | 385237 | 3.64 |
| 460-165722-4 | PZ-23 | 146999 | 2.03 | 162765 | 3.06 | 380292 | 3.64 |
| 460-165722-8 | MW-54 | 144378 | 2.03 | 159072 | 3.06 | 381843 | 3.64 |
| 460-165722-7 | MW-36 | 149980 | 2.03 | 165638 | 3.06 | 383393 | 3.64 |

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.: 460-165722-1

SDG No.:

Sample No.: CCVIS 460-558208/2  Date Analyzed: 10/07/2018 19:36

Instrument ID: CVOAMS13  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): P51516.D  Heated Purge: (Y/N) N

Calibration ID: 71476

| | | DXE | | CBNZd5 | | DCBd4 | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 16623 | 4.51 | 344836 | 7.04 | 198435 | 10.57 |
| UPPER LIMIT | | 33246 | 5.01 | 689672 | 7.54 | 396870 | 11.07 |
| LOWER LIMIT | | 8312 | 4.01 | 172418 | 6.54 | 99218 | 10.07 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-558208/3 | | 18066 | 4.52 | 349695 | 7.04 | 201678 | 10.57 |
| LCSD 460-558208/4 | | 17630 | 4.51 | 347022 | 7.04 | 201486 | 10.57 |
| MB 460-558208/7 | | 15073 | 4.52 | 330143 | 7.04 | 185215 | 10.57 |
| 460-165722-1 | TB | 13329 | 4.51 | 331997 | 7.04 | 185005 | 10.57 |
| 460-165722-5 | FB | 14124 | 4.51 | 325992 | 7.04 | 184055 | 10.58 |
| 460-165722-2 | MW-24 | 16618 | 4.52 | 331154 | 7.04 | 181149 | 10.57 |
| 460-165722-3 | MW-71 | 16007 | 4.52 | 333941 | 7.04 | 184120 | 10.57 |
| 460-165722-4 | PZ-23 | 14070 | 4.52 | 318622 | 7.04 | 182358 | 10.57 |
| 460-165722-8 | MW-54 | 15850 | 4.52 | 323520 | 7.04 | 182296 | 10.57 |
| 460-165722-7 | MW-36 | 15123 | 4.51 | 322123 | 7.04 | 183688 | 10.57 |

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.: 460-165722-1

SDG No.:

Sample No.: CCVIS 460-558499/2  Date Analyzed: 10/08/2018  20:42

Instrument ID: CVOAMS13  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): P51574.D  Heated Purge: (Y/N) N

Calibration ID: 71476

| | | TBAd9 | | BUT | | FB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 128301 | 2.03 | 150041 | 3.06 | 393838 | 3.64 |
| UPPER LIMIT | | 256602 | 2.53 | 300082 | 3.56 | 787676 | 4.14 |
| LOWER LIMIT | | 64151 | 1.53 | 75021 | 2.56 | 196919 | 3.14 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-558499/3 | | 128628 | 2.03 | 151508 | 3.06 | 391313 | 3.64 |
| MB 460-558499/7 | | 138115 | 2.03 | 149551 | 3.06 | 376413 | 3.64 |
| 460-165722-6 | MW-31 | 135399 | 2.03 | 147619 | 3.06 | 371676 | 3.64 |
| 460-166215-C-7 MS | | 137517 | 2.03 | 151037 | 3.06 | 381631 | 3.64 |
| 460-166215-C-7 MSD | | 141132 | 2.03 | 157156 | 3.06 | 385412 | 3.64 |

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.: 460-165722-1

SDG No.:

Sample No.: CCVIS 460-558499/2  Date Analyzed: 10/08/2018  20:42

Instrument ID: CVOAMS13  GC Column: Rtx-624  ID: 0.25(mm)

Lab File ID (Standard): P51574.D  Heated Purge: (Y/N) N

Calibration ID: 71476

| | | DXE | | CBNZd5 | | DCBd4 | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 13571 | 4.51 | 333548 | 7.04 | 195920 | 10.57 |
| UPPER LIMIT | | 27142 | 5.01 | 667096 | 7.54 | 391840 | 11.07 |
| LOWER LIMIT | | 6786 | 4.01 | 166774 | 6.54 | 97960 | 10.07 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-558499/3 | | 15525 | 4.51 | 334516 | 7.04 | 191757 | 10.57 |
| MB 460-558499/7 | | 15747 | 4.51 | 320023 | 7.04 | 182709 | 10.57 |
| 460-165722-6 | MW-31 | 13732 | 4.52 | 323440 | 7.04 | 177398 | 10.57 |
| 460-166215-C-7 MS | | 15909 | 4.51 | 325557 | 7.04 | 189575 | 10.57 |
| 460-166215-C-7 MSD | | 15570 | 4.52 | 332234 | 7.04 | 191741 | 10.57 |

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.: 460-165722-1

SDG No.:

Client Sample ID: TB | Lab Sample ID: 460-165722-1

Matrix: Water | Lab File ID: P51526.D

Analysis Method: 8260C | Date Collected: 09/26/2018 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2018 23:55

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID: TB  Lab Sample ID: 460-165722-1

Matrix: Water  Lab File ID: P51526.D

Analysis Method: 8260C  Date Collected: 09/26/2018 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 10/07/2018 23:55

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 95 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 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.: 460-165722-1

SDG No.:

Client Sample ID: TB  Lab Sample ID: 460-165722-1

Matrix: Water  Lab File ID: P51526.D

Analysis Method: 8260C  Date Collected: 09/26/2018 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 10/07/2018 23:55

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.: 558208  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\CVOAMS13\20181007-79900.b\P51526.D
Lims ID: 460-165722-A-1
Client ID: TB
Sample Type: Client
Inject. Date: 07-Oct-2018 23:55:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-165722-A-1
Misc. Info.: 460-0079900-012
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:27:49

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 24 Acetone | 43 | 1.888 | 1.880 | 0.008 | 86 | 1698 | 1.34 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 131103 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 85474 | 47.8 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 149657 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.399 | -0.007 | 0 | 106966 | 46.6 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 99 | 388243 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.516 | -0.007 | 0 | 13329 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 98 | 364264 | 48.3 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 331997 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 91 | 111483 | 47.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 97 | 185005 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

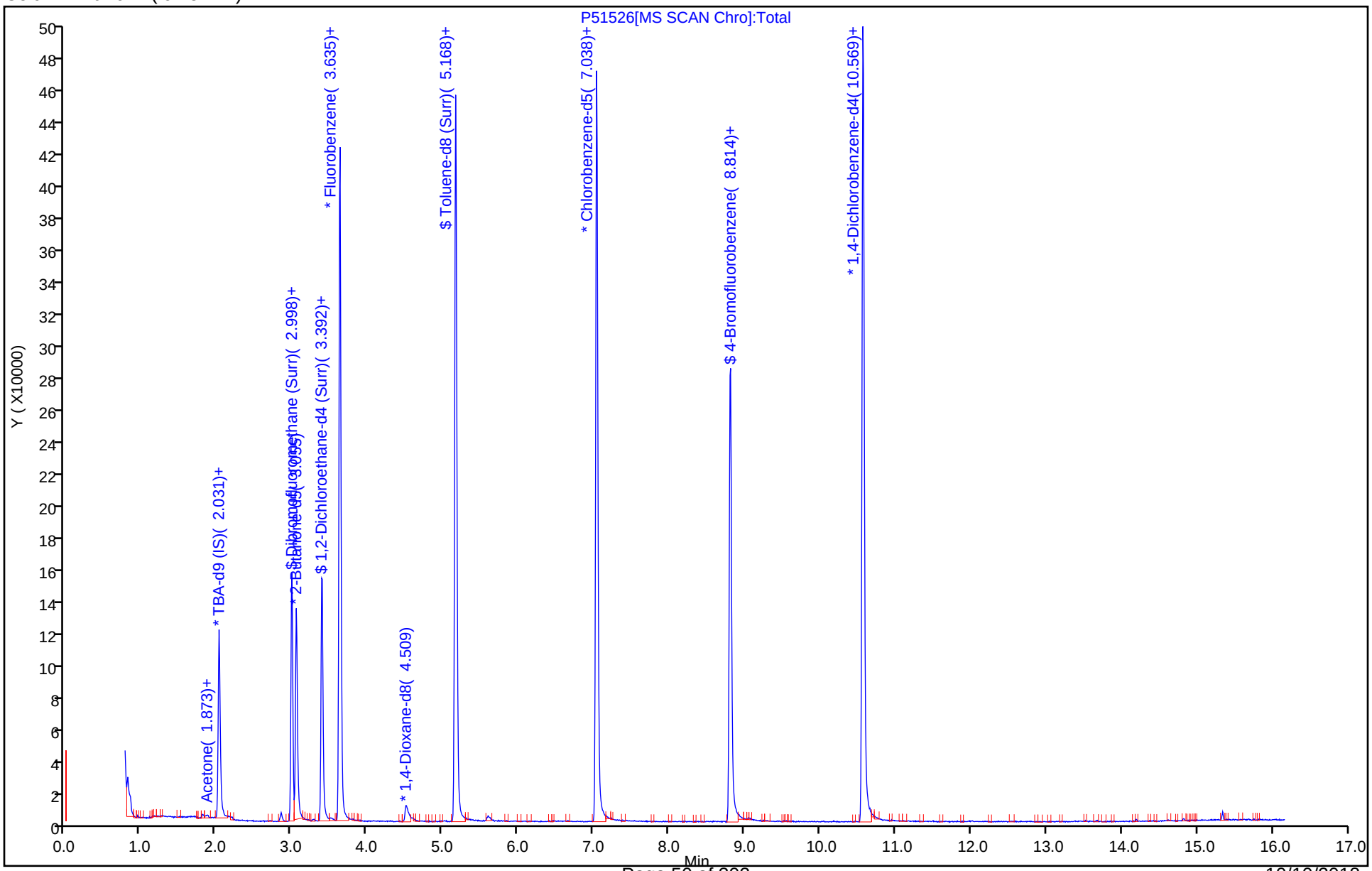
Report Date: 08-Oct-2018 18:50:05 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51526.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 07-Oct-2018 23:55:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-A-1 | Lab Sample ID: | 460-165722-1 | Worklist Smp#: | 12 |
| Client ID: | TB | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 11 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-24 | Lab Sample ID: 460-165722-2

Matrix: Water | Lab File ID: P51537.D

Analysis Method: 8260C | Date Collected: 09/27/2018 09:28

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 04:45

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 1.0 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 51 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 38 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.26 | J | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 25 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 4.7 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 5.5 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-24  Lab Sample ID: 460-165722-2

Matrix: Water  Lab File ID: P51537.D

Analysis Method: 8260C  Date Collected: 09/27/2018 09:28

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 04:45

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 98 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 95 | | 80-120 |

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

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-24  Lab Sample ID: 460-165722-2

Matrix: Water  Lab File ID: P51537.D

Analysis Method: 8260C  Date Collected: 09/27/2018 09:28

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 04:45

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.: 558208  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\CVOAMS13\20181007-79900.b\P51537.D
Lims ID: 460-165722-C-2
Client ID: MW-24
Sample Type: Client
Inject. Date: 08-Oct-2018 04:45:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-165722-C-2
Misc. Info.: 460-0079900-023
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:30:08

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 98 | 13449 | 5.47 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 60374 | 24.9 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 148871 | 1000.0 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.668 | 0.001 | 98 | 102334 | 38.2 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 85096 | 48.1 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 160607 | 250.0 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 96 | 10631 | 1.04 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 107037 | 47.1 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.635 | 0.001 | 99 | 384125 | 50.0 | |
| 65 Trichloroethene | 130 | 3.786 | 3.779 | 0.007 | 96 | 12033 | 4.73 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.517 | 4.516 | 0.001 | 0 | 16618 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 358497 | 47.7 | |
| 82 Tetrachloroethene | 166 | 5.663 | 5.655 | 0.008 | 79 | 677 | 0.2585 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 88 | 331154 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 94 | 358950 | 50.8 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 90 | 114027 | 48.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 181149 | 50.0 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

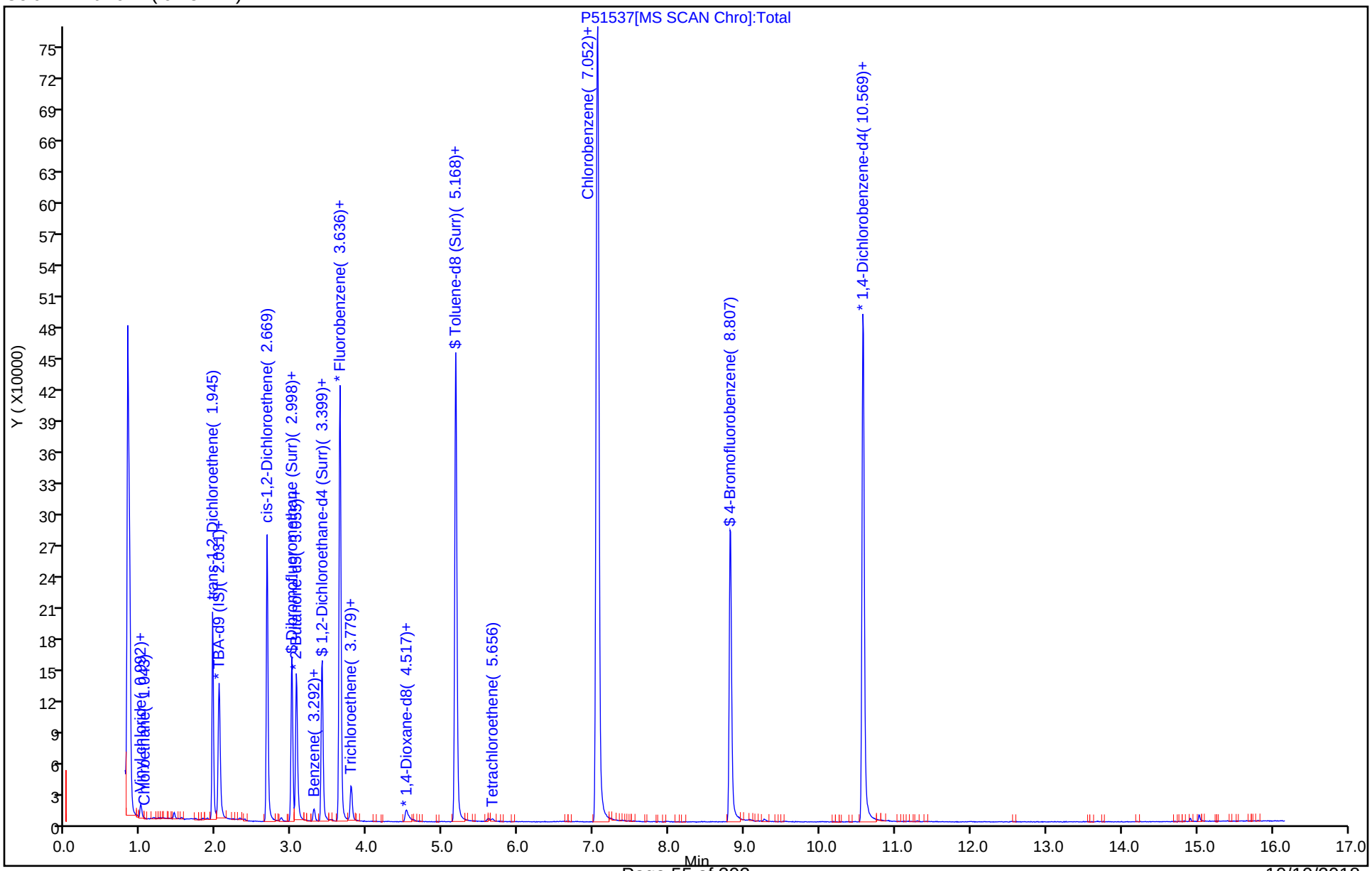
Report Date: 08-Oct-2018 18:50:25 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 | Worklist Smp#: | 23 |
| Client ID: | MW-24 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 22 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

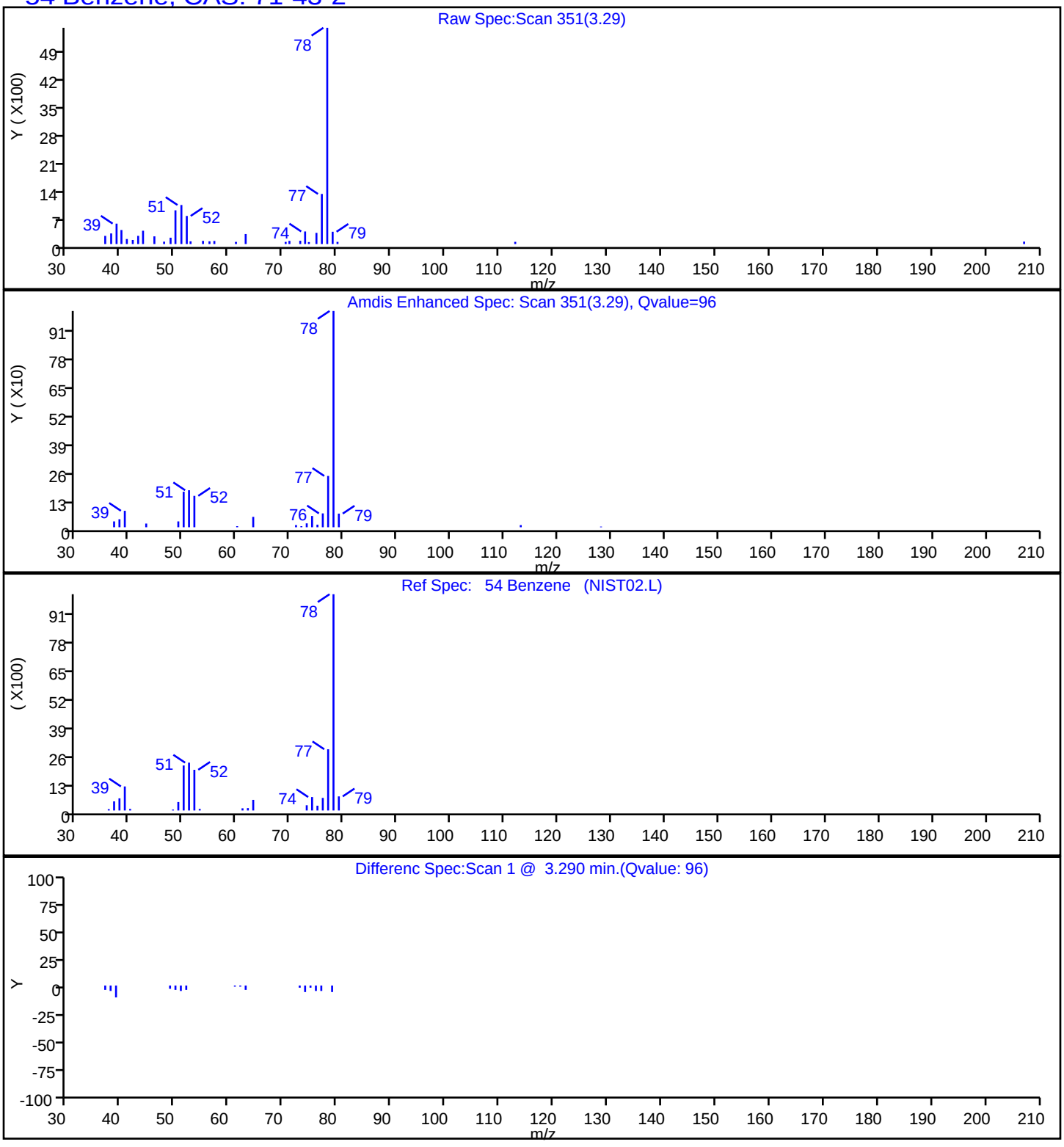
Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D | | |
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 |
| Client ID: | MW-24 | | |
| Operator ID: | | ALS Bottle#: | 22 Worklist Smp#: 23 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

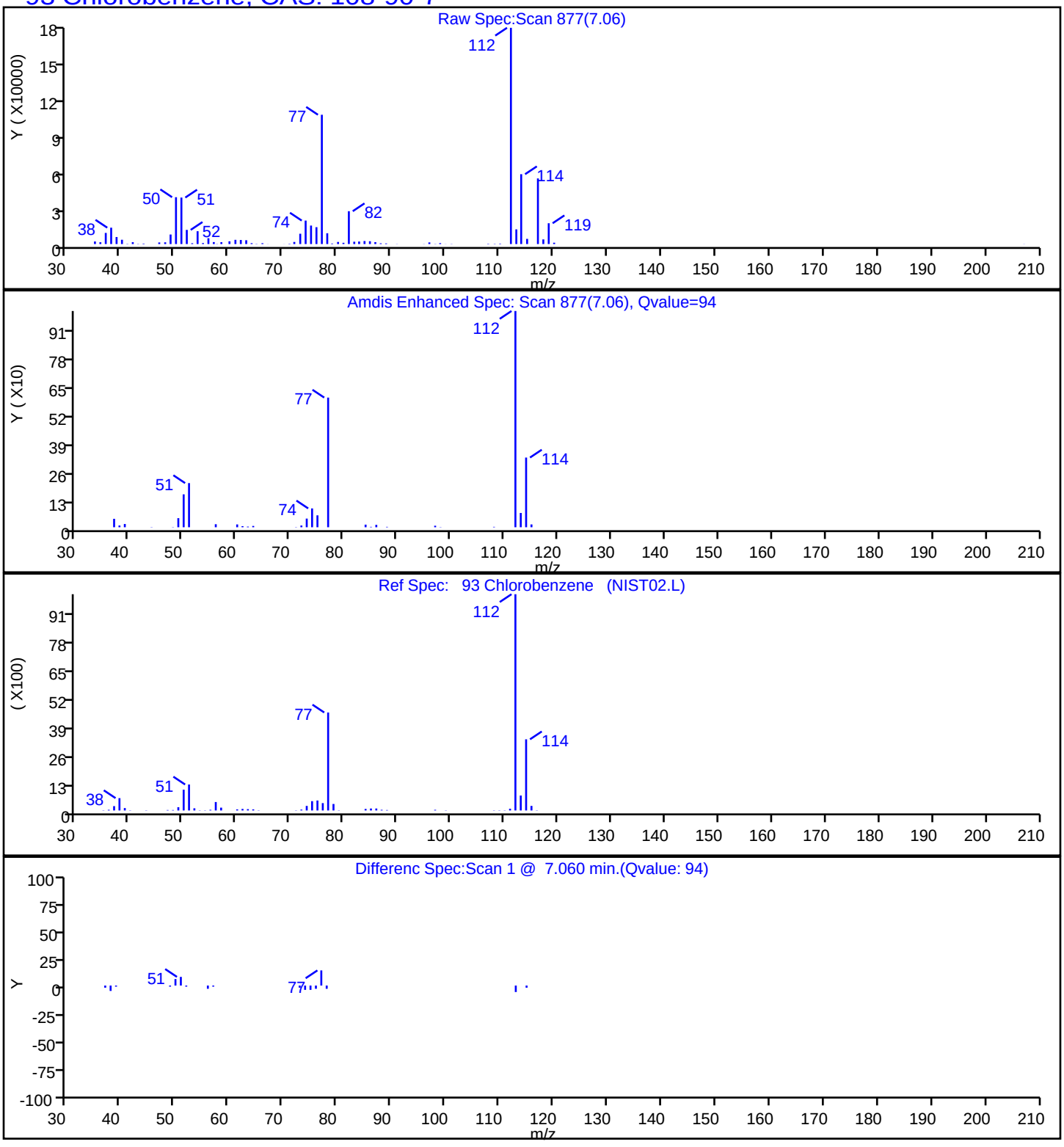
## 54 Benzene, CAS: 71-43-2



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D | | |
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 |
| Client ID: | MW-24 | | |
| Operator ID: | | ALS Bottle#: | 22 Worklist Smp#: 23 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

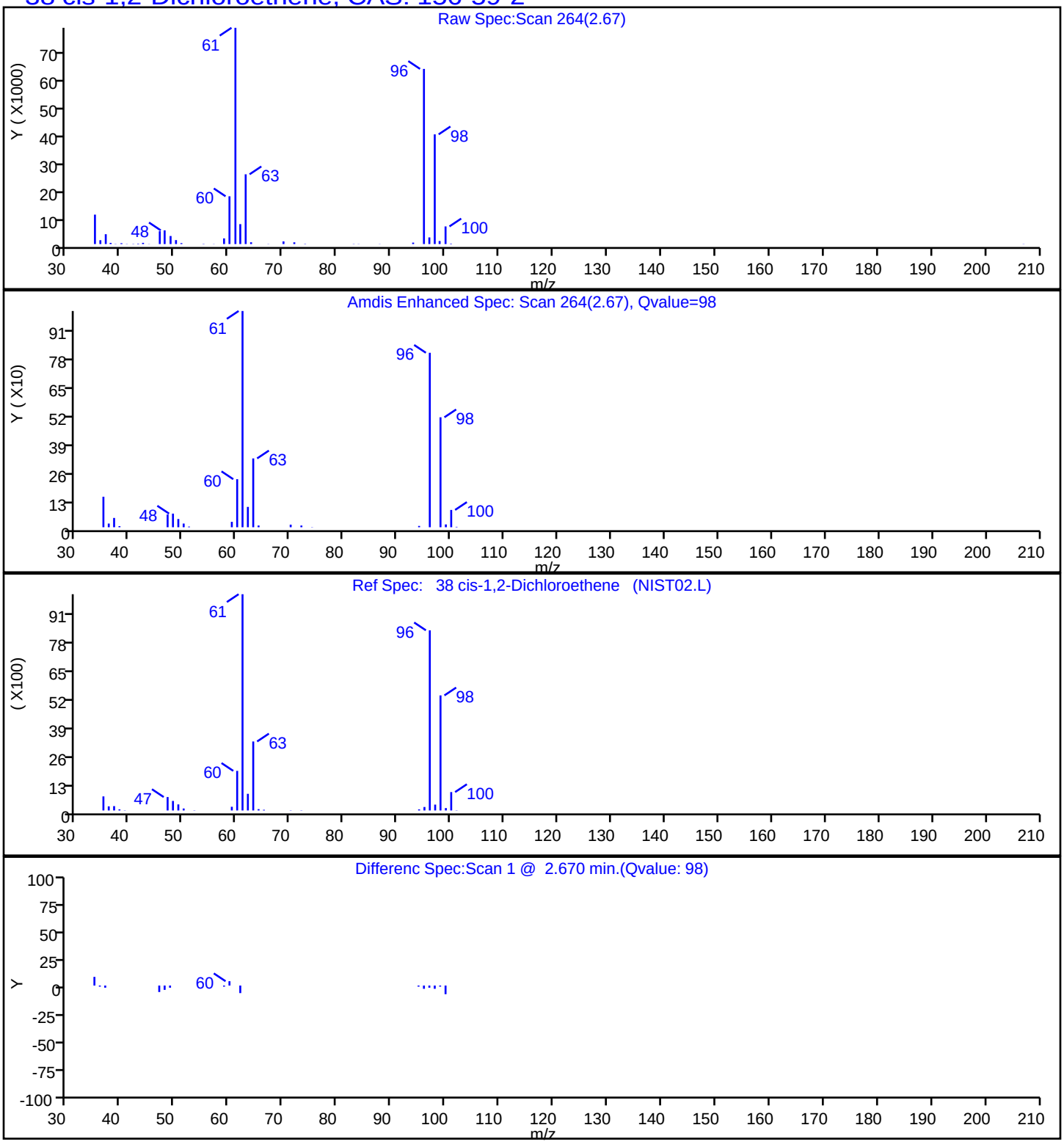
## 93 Chlorobenzene, CAS: 108-90-7



TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D | | | | |
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 | | |
| Client ID: | MW-24 | | | | |
| Operator ID: | | ALS Bottle#: | 22 | Worklist Smp#: | 23 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

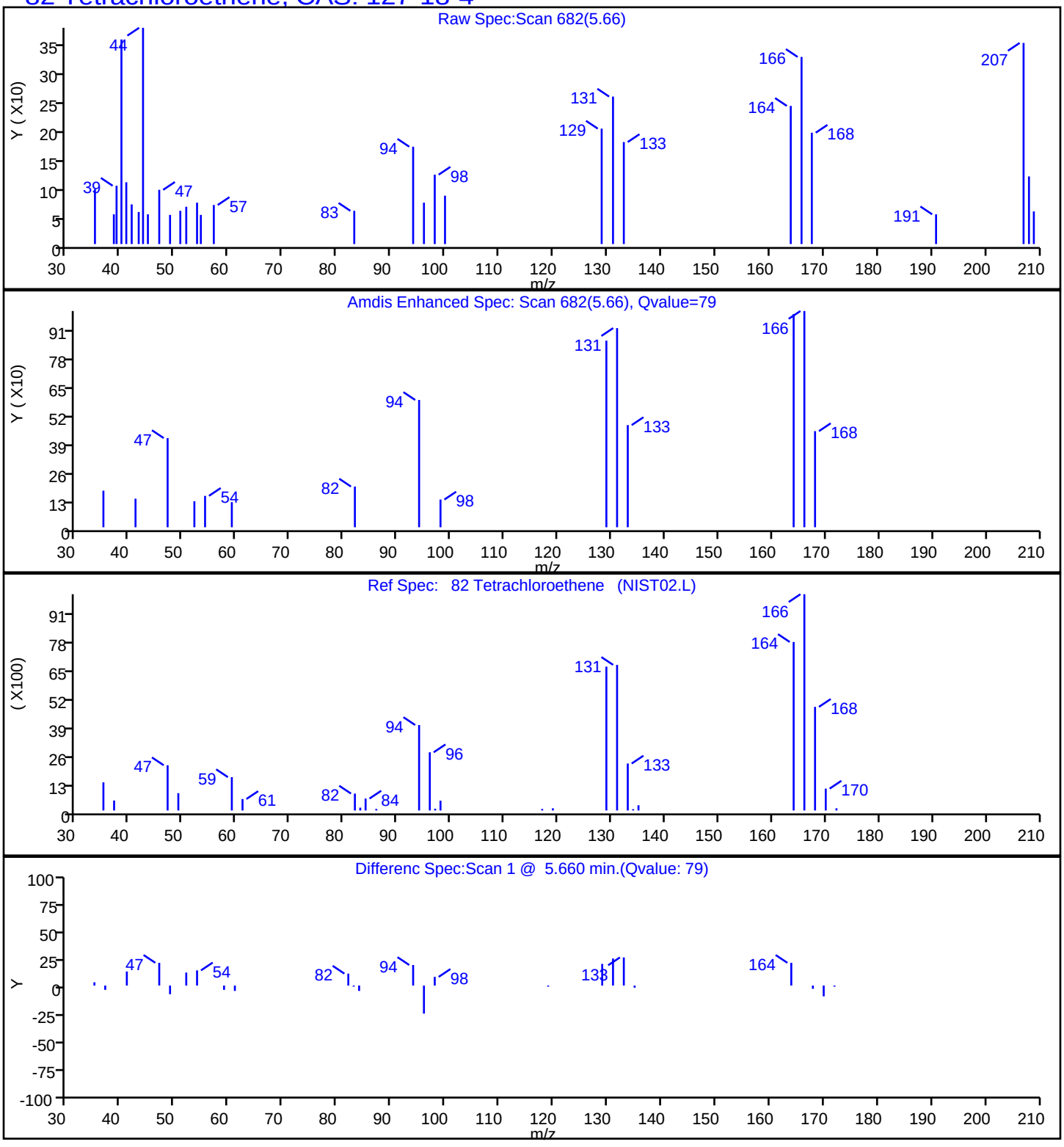
## 38 cis-1,2-Dichloroethene, CAS: 156-59-2



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D | | |
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 |
| Client ID: | MW-24 | | |
| Operator ID: | | ALS Bottle#: | 22 Worklist Smp#: 23 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

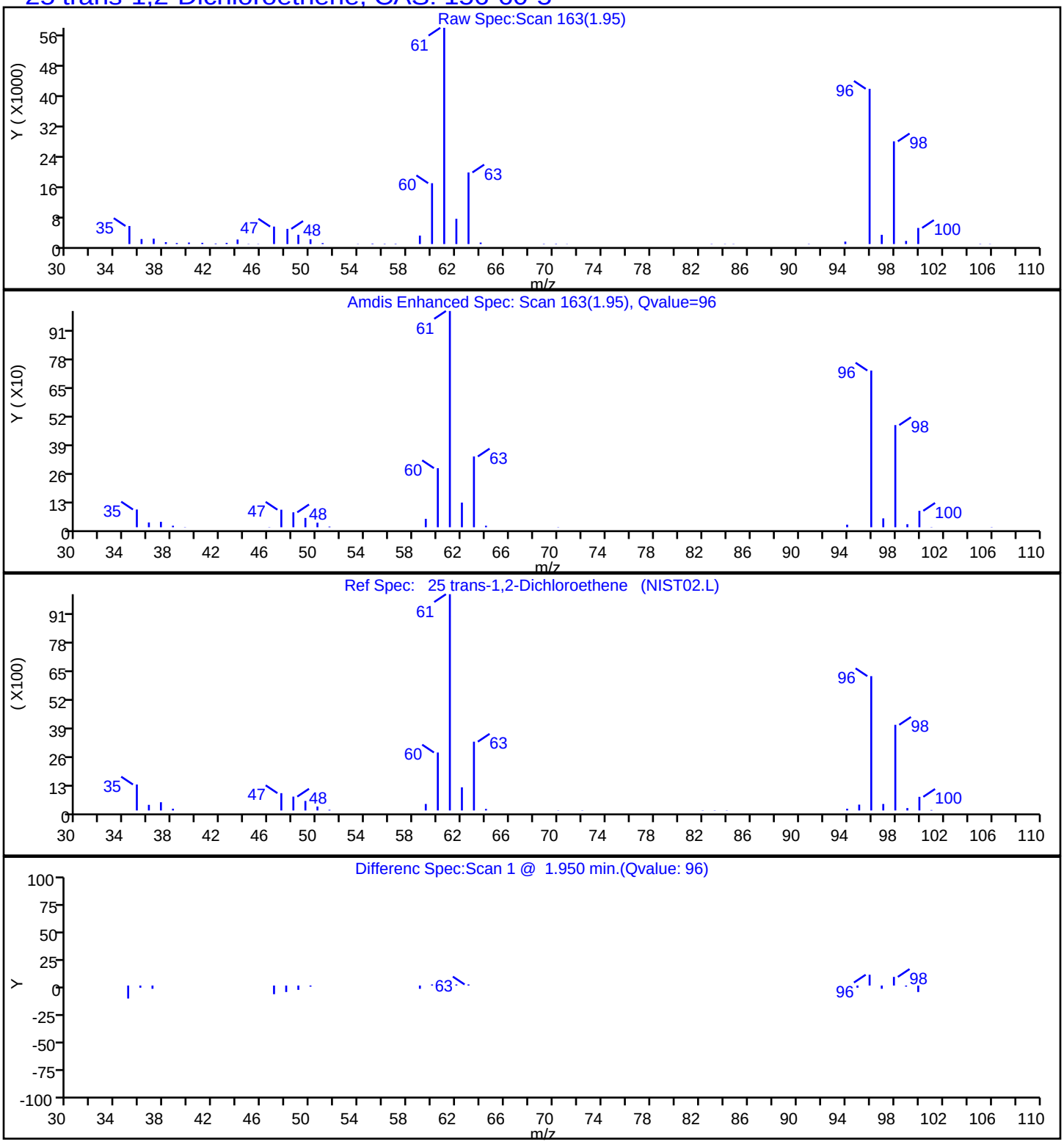
## 82 Tetrachloroethene, CAS: 127-18-4



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 | | |
| Client ID: | MW-24 | | | | |
| Operator ID: | | ALS Bottle#: | 22 | Worklist Smp#: | 23 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

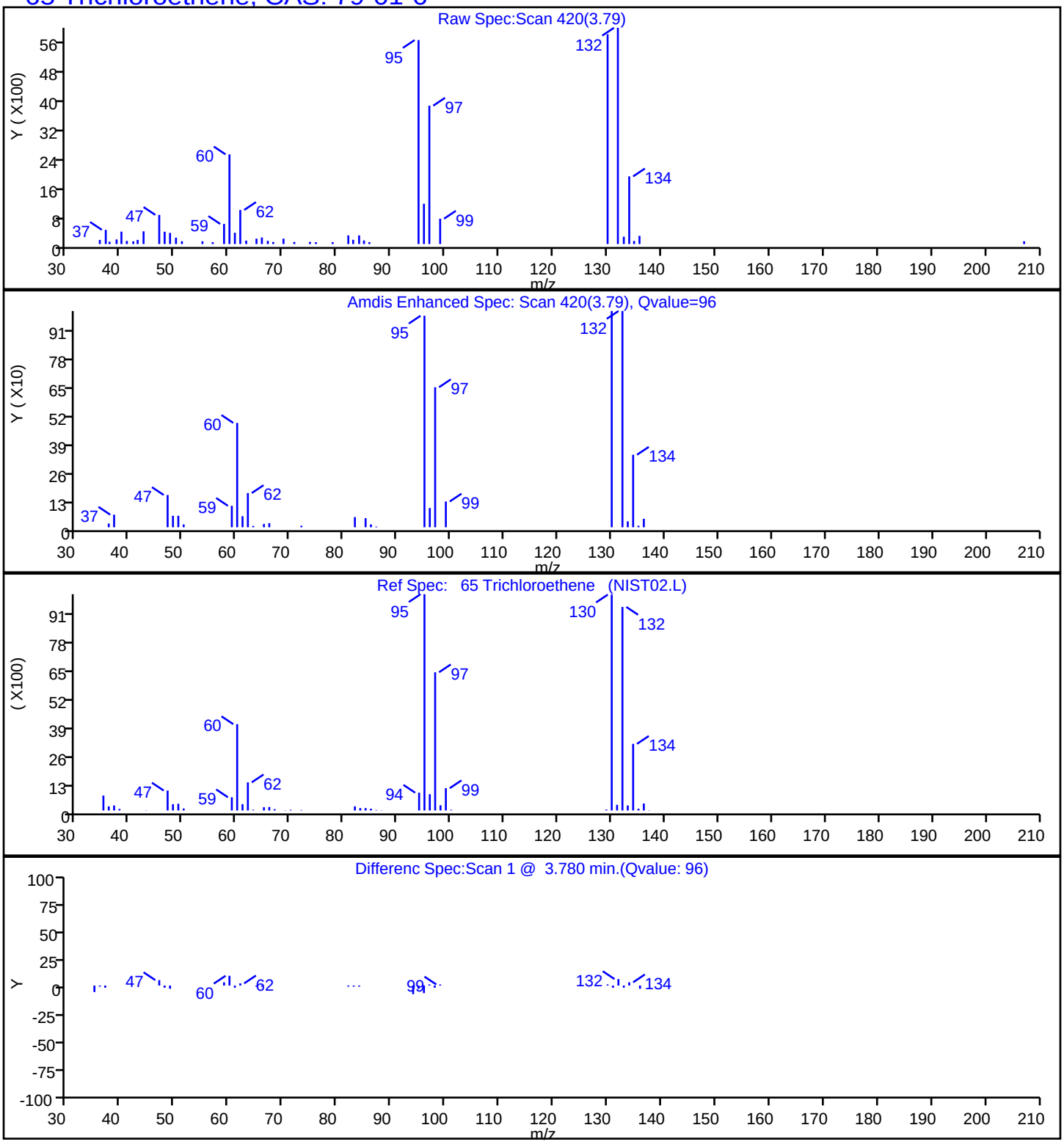
## 25 trans-1,2-Dichloroethene, CAS: 156-60-5



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D | | |
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 |
| Client ID: | MW-24 | | |
| Operator ID: | | ALS Bottle#: | 22 Worklist Smp#: 23 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

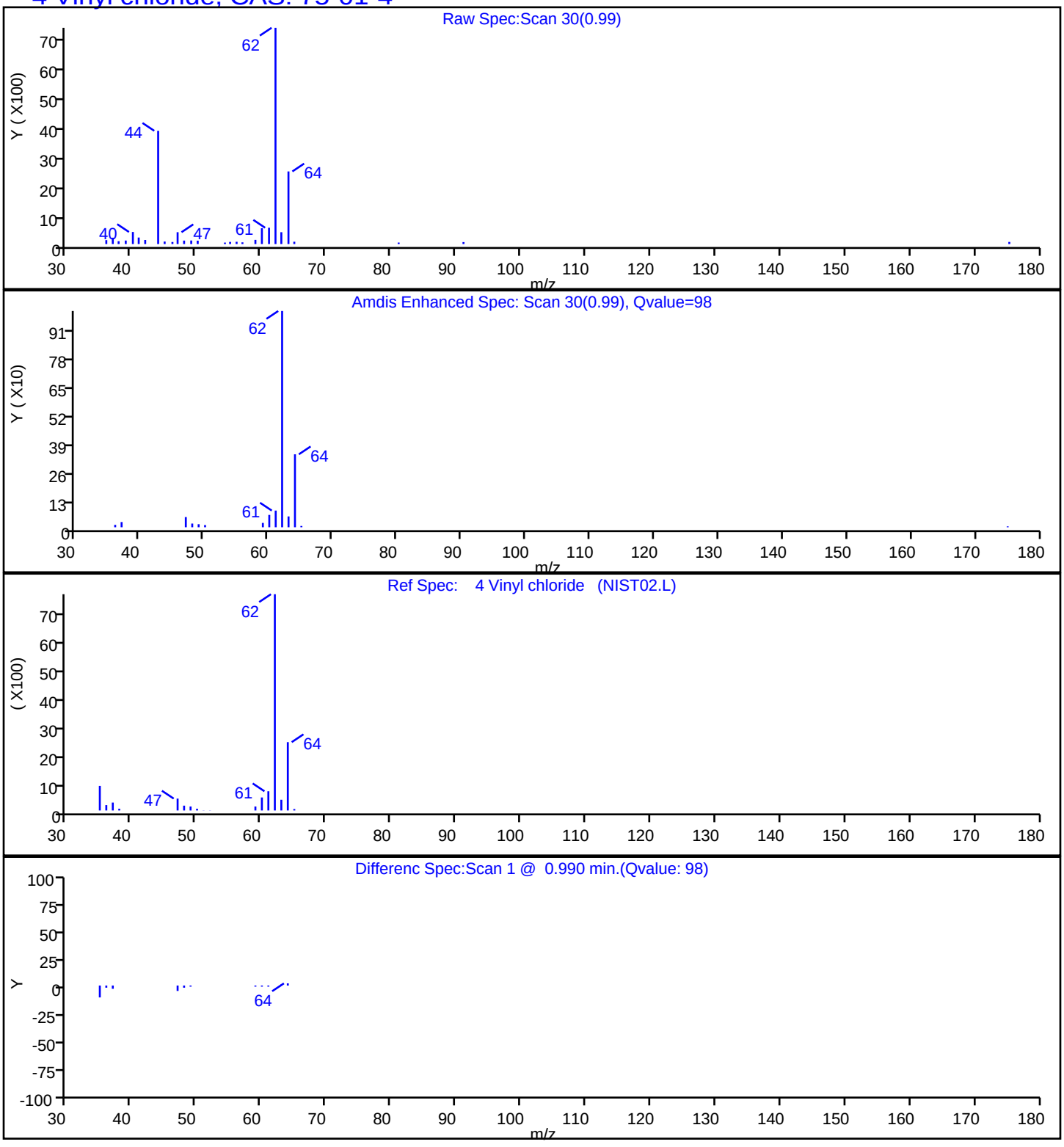
## 65 Trichloroethene, CAS: 79-01-6



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51537.D | | |
| Injection Date: | 08-Oct-2018 04:45:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-C-2 | Lab Sample ID: | 460-165722-2 |
| Client ID: | MW-24 | | |
| Operator ID: | | ALS Bottle#: | 22 Worklist Smp#: 23 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 4 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-165722-3

Matrix: Water | Lab File ID: P51538.D

Analysis Method: 8260C | Date Collected: 09/27/2018 09:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 05:11

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 2.1 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 3.2 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 64 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.65 | J | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-71  Lab Sample ID: 460-165722-3

Matrix: Water  Lab File ID: P51538.D

Analysis Method: 8260C  Date Collected: 09/27/2018 09:35

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 05:11

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 96 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 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.: 460-165722-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-165722-3

Matrix: Water | Lab File ID: P51538.D

Analysis Method: 8260C | Date Collected: 09/27/2018 09:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 05:11

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.: 558208 | 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 | 1.44 | 17 | J N | 90% |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D
Lims ID: 460-165722-A-3
Client ID: MW-71
Sample Type: Client
Inject. Date: 08-Oct-2018 05:11:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-165722-A-3
Misc. Info.: 460-0079900-024
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:30:30

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 97 | 1465 | 0.6538 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 152264 | 1000.0 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 9706 | 2.15 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 84734 | 47.8 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 164190 | 250.0 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 97 | 32527 | 3.15 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 106362 | 46.7 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 99 | 385237 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.517 | 4.516 | 0.001 | 0 | 16007 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 354613 | 46.8 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 88 | 333941 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 94 | 454697 | 63.8 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 90 | 112496 | 47.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 184120 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D | | | | |
| Lims ID: | 460-165722-A-3 | | | | |
| Client ID: | MW-71 | | | | |
| Sample Type: | Client | | | | |
| Inject. Date: | 08-Oct-2018 05:11:30 | ALS Bottle#: | 23 | Worklist Smp#: | 24 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Sample Info: | 460-165722-A-3 | | | | |
| Misc. Info.: | 460-0079900-024 | | | | |
| Operator ID: | | Instrument ID: | CVOAMS13 | | |
| Method: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m | | | | |
| Limit Group: | VOA - 8260C Water and Solid | | | | |
| Last Update: | 08-Oct-2018 18:47:09 | Calib Date: | 05-Oct-2018 21:11:30 | | |
| 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-624 ( 0.25 mm) | | Det: MS SCAN | | |
| Process Host: | XAWRK005 | | | | |
| First Level Reviewer: desais | | Date: | 08-Oct-2018 10:30:30 | | |

Tentative Identified Compound Results

| RT | Area | Amount ug/l | Quant Cpnd | Qual | Lib Entry | Molecular Formula | Mol. Weight | Flags |
|---|---|---|---|---|---|---|---|---|
| 60-29-7 Ethyl ether | | | | | | | | |
| 1.436 | 270498 | 16.7 | 62 | 90 | 824 | C4H10O | 74 | |

Quantitation Compounds

| Compound | RT | Area | Amount ug/l |
|---|---|---|---|
| * 62 Fluorobenzene | 3.635 | 810866 | 50.0 |

## QC Flag Legend

Processing Flags

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

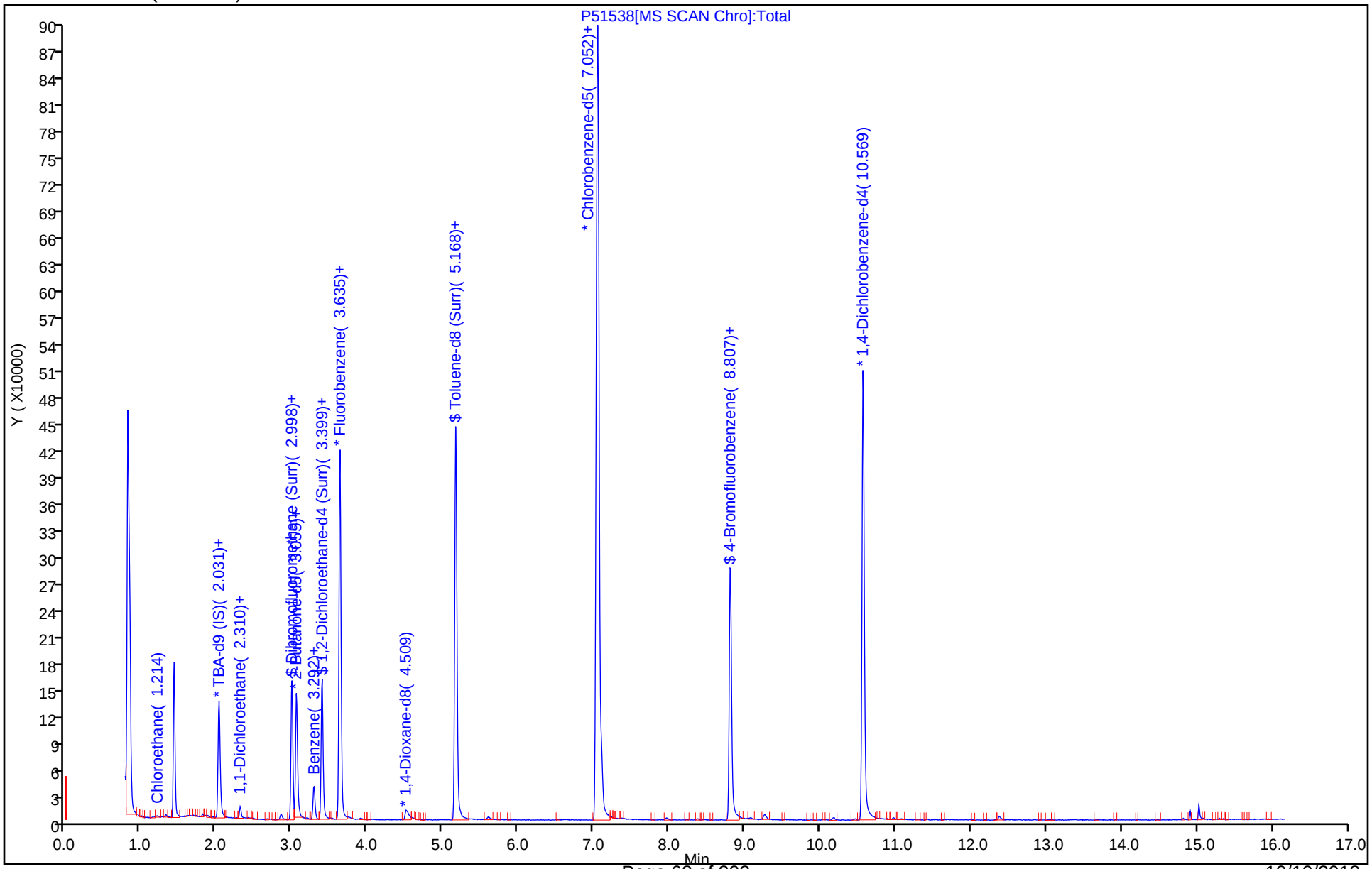
Report Date: 08-Oct-2018 18:50:27 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 05:11:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-A-3 | Lab Sample ID: | 460-165722-3 | Worklist Smp#: | 24 |
| Client ID: | MW-71 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 23 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



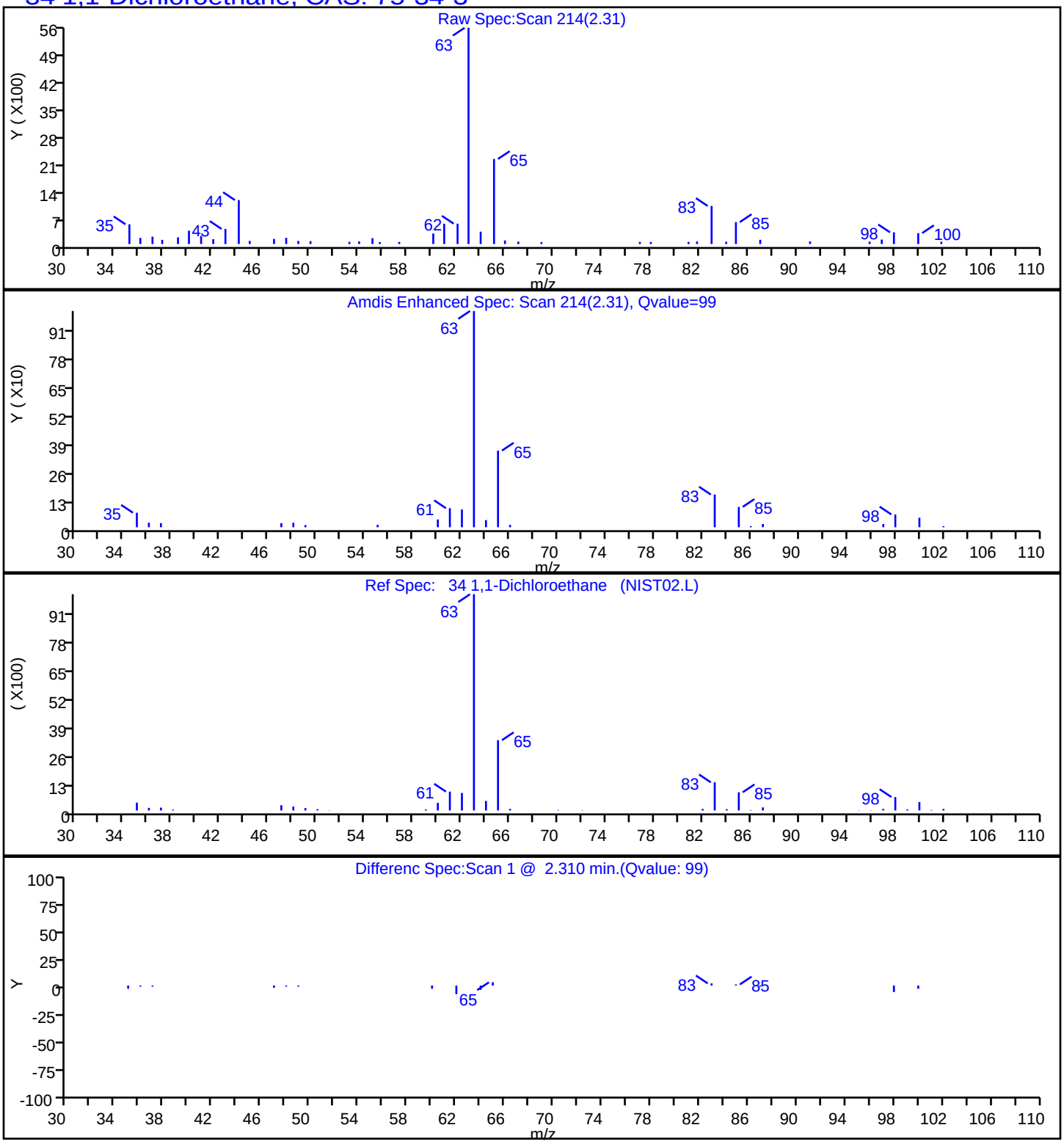
Report Date: 08-Oct-2018 18:50:27 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 05:11:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-A-3 | Lab Sample ID: | 460-165722-3 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 23 | Worklist Smp#: | 24 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

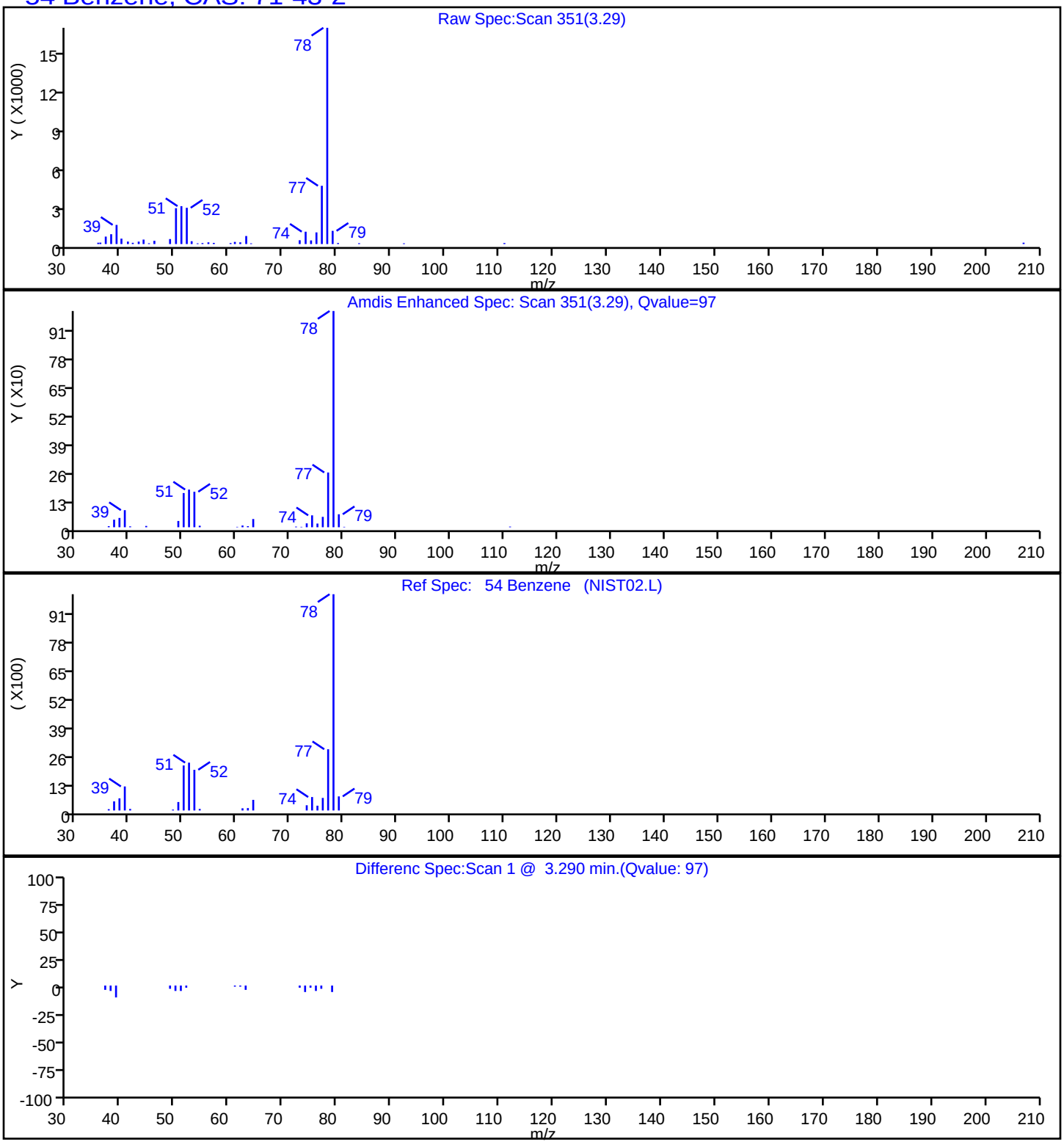
## 34 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D | | |
| Injection Date: | 08-Oct-2018 05:11:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-A-3 | Lab Sample ID: | 460-165722-3 |
| Client ID: | MW-71 | | |
| Operator ID: | | ALS Bottle#: | 23 Worklist Smp#: 24 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

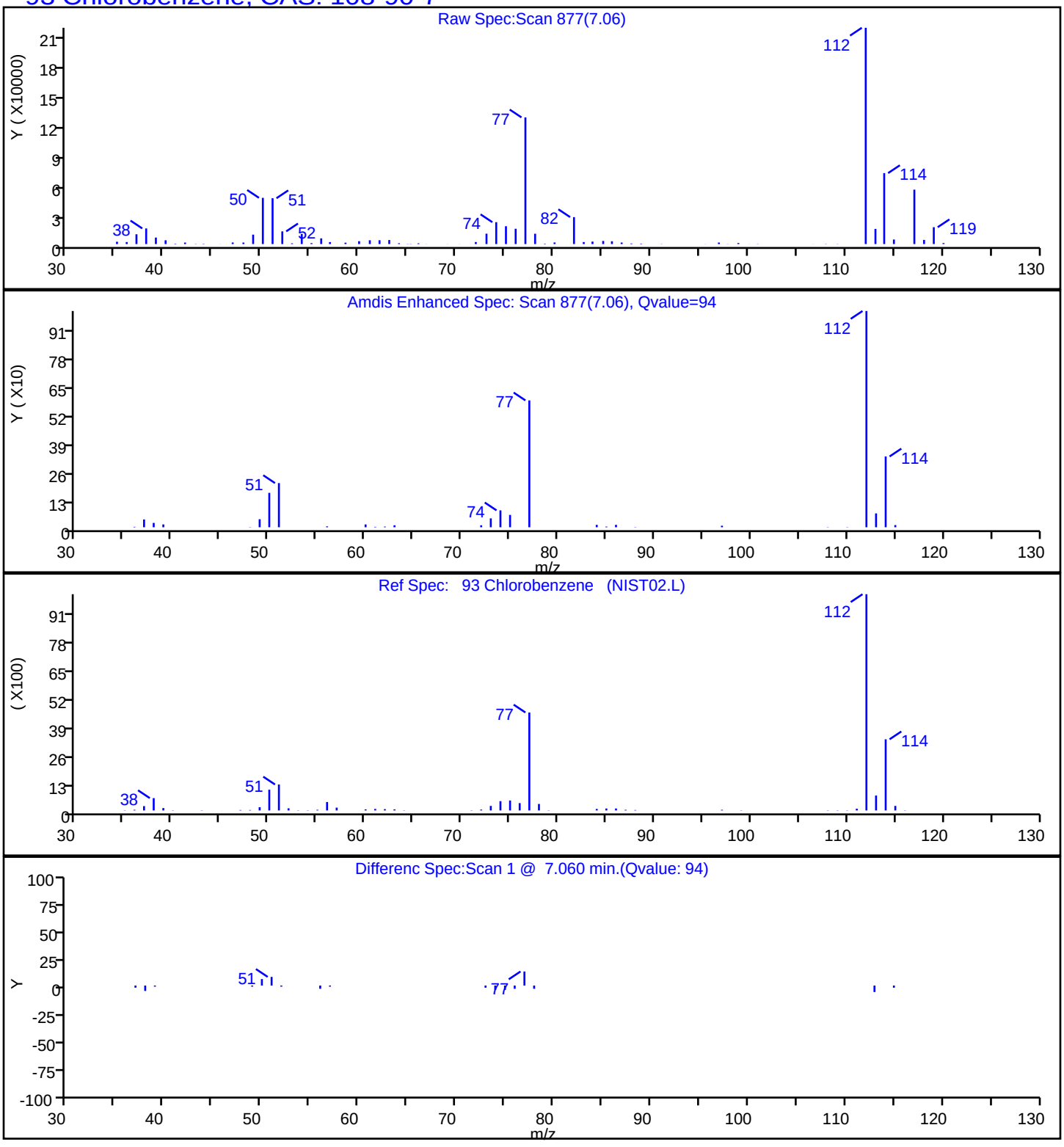
## 54 Benzene, CAS: 71-43-2



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D | | |
| Injection Date: | 08-Oct-2018 05:11:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-A-3 | Lab Sample ID: | 460-165722-3 |
| Client ID: | MW-71 | | |
| Operator ID: | | ALS Bottle#: | 23 Worklist Smp#: 24 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 93 Chlorobenzene, CAS: 108-90-7



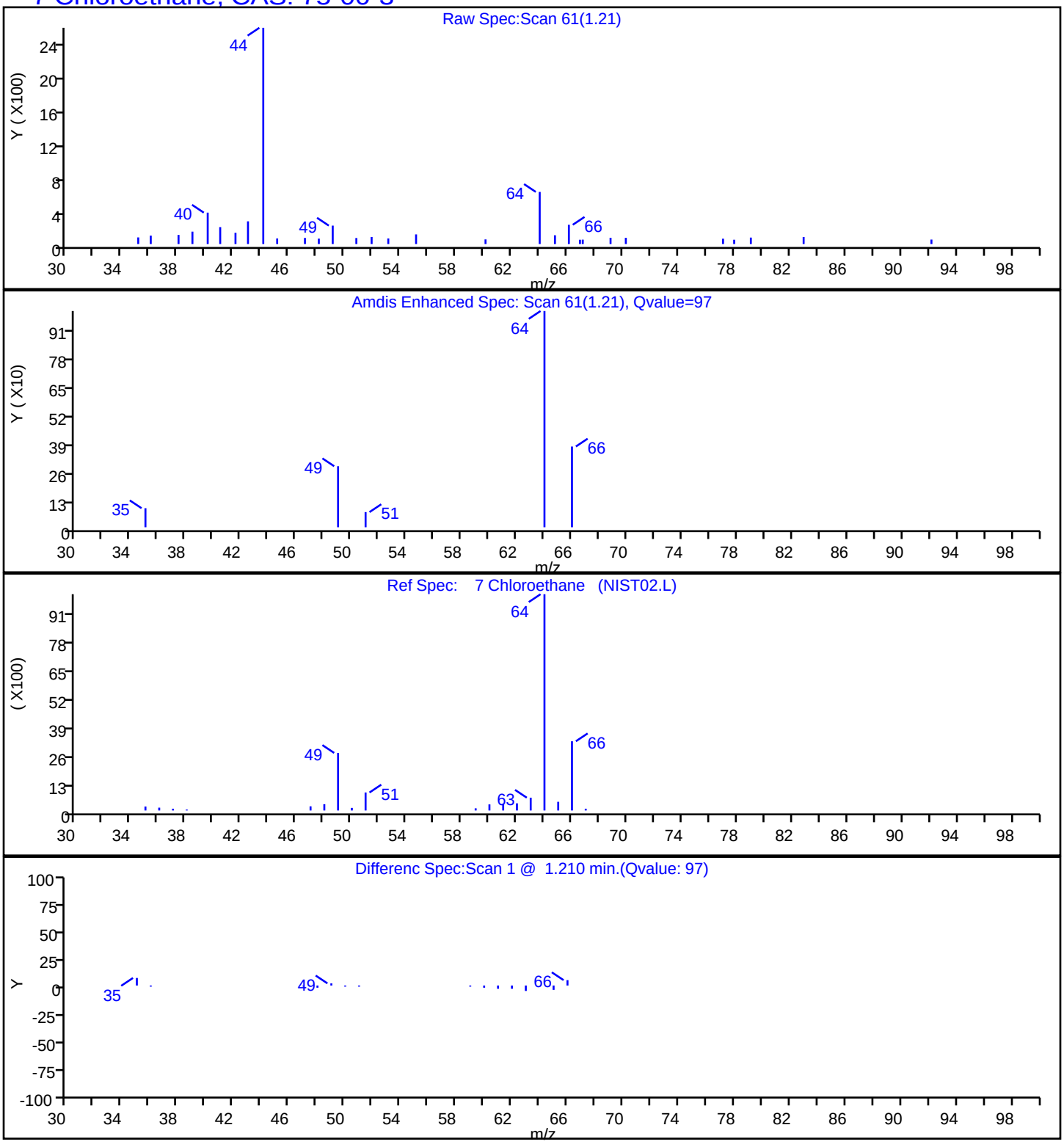
Report Date: 08-Oct-2018 18:50:27 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 05:11:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-A-3 | Lab Sample ID: | 460-165722-3 | | |
| Client ID: | MW-71 | | | | |
| Operator ID: | | ALS Bottle#: | 23 | Worklist Smp#: | 24 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 7 Chloroethane, CAS: 75-00-3



Report Date: 08-Oct-2018 18:50:27 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51538.D

Injection Date: 08-Oct-2018 05:11:30 Instrument ID: CVOAMS13

Lims ID: 460-165722-A-3 Lab Sample ID: 460-165722-3

Client ID: MW-71

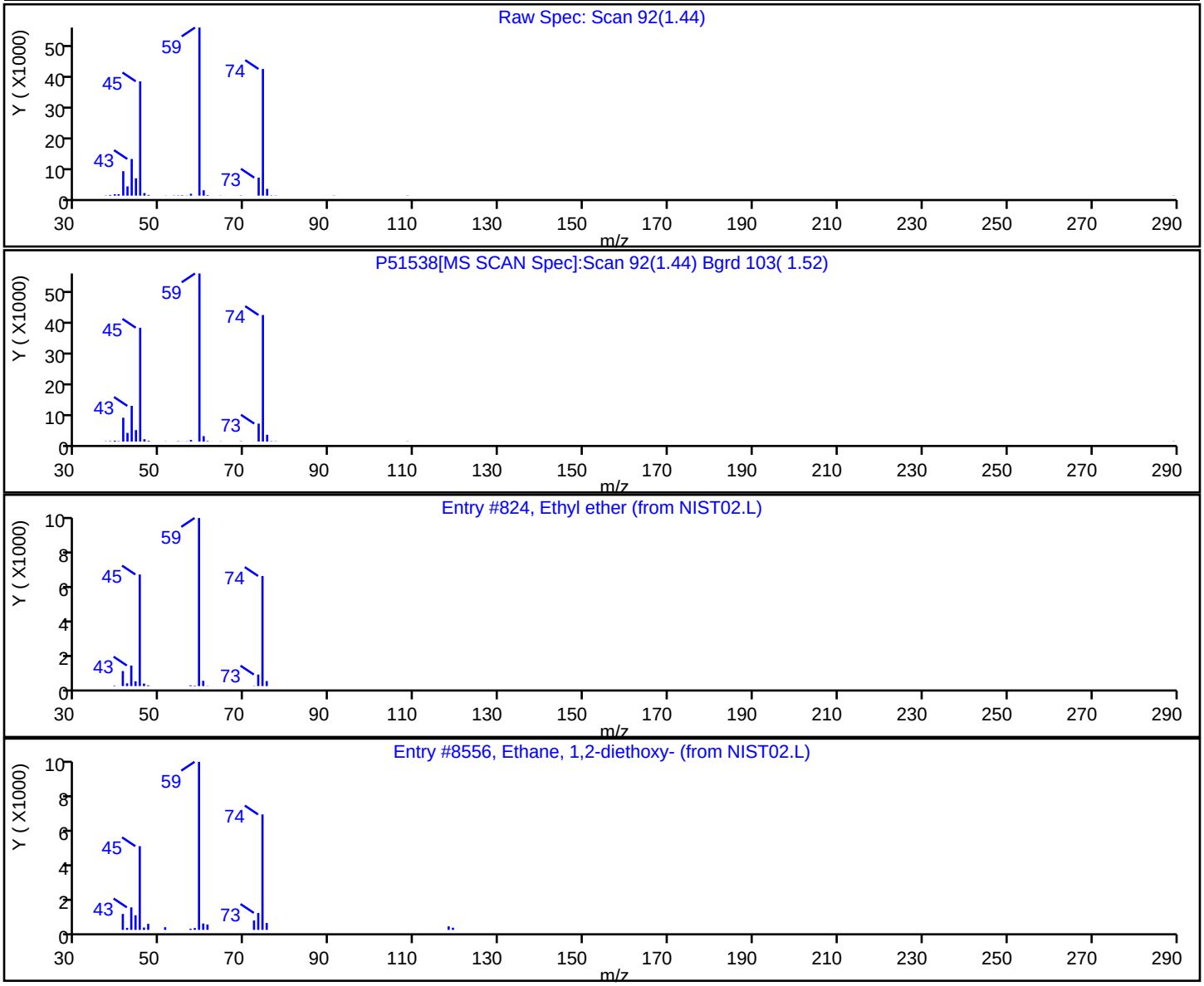
Operator ID: ALS Bottle#: 23 Worklist Smp#: 24

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_13 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 |
| Ethane, 1,2-diethoxy- | 629-14-1 | NIST02.L | 8556 | C6H14O2 | 118 | 72 |



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: PZ-23 | Lab Sample ID: 460-165722-4

Matrix: Water | Lab File ID: P51539.D

Analysis Method: 8260C | Date Collected: 09/27/2018 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 05:36

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 52 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.46 | J | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID: PZ-23  Lab Sample ID: 460-165722-4

Matrix: Water  Lab File ID: P51539.D

Analysis Method: 8260C  Date Collected: 09/27/2018 10:45

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 05:36

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 95 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 100 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 99 | | 80-120 |

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

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: PZ-23 | Lab Sample ID: 460-165722-4

Matrix: Water | Lab File ID: P51539.D

Analysis Method: 8260C | Date Collected: 09/27/2018 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 05:36

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.: 558208 | 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\CVOAMS13\20181007-79900.b\P51539.D
Lims ID: 460-165722-A-4
Client ID: PZ-23
Sample Type: Client
Inject. Date: 08-Oct-2018 05:36:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-165722-A-4
Misc. Info.: 460-0079900-025
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:30:51

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 24 Acetone | 43 | 1.881 | 1.880 | 0.001 | 83 | 1821 | 1.29 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 146999 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 84987 | 48.5 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 162765 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 107439 | 47.7 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 98 | 380292 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.517 | 4.516 | 0.001 | 0 | 14070 | 1000.0 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 79 | 954 | 51.7 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 360023 | 49.7 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 318622 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 37 | 3151 | 0.4637 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 90 | 112367 | 50.1 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 182358 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

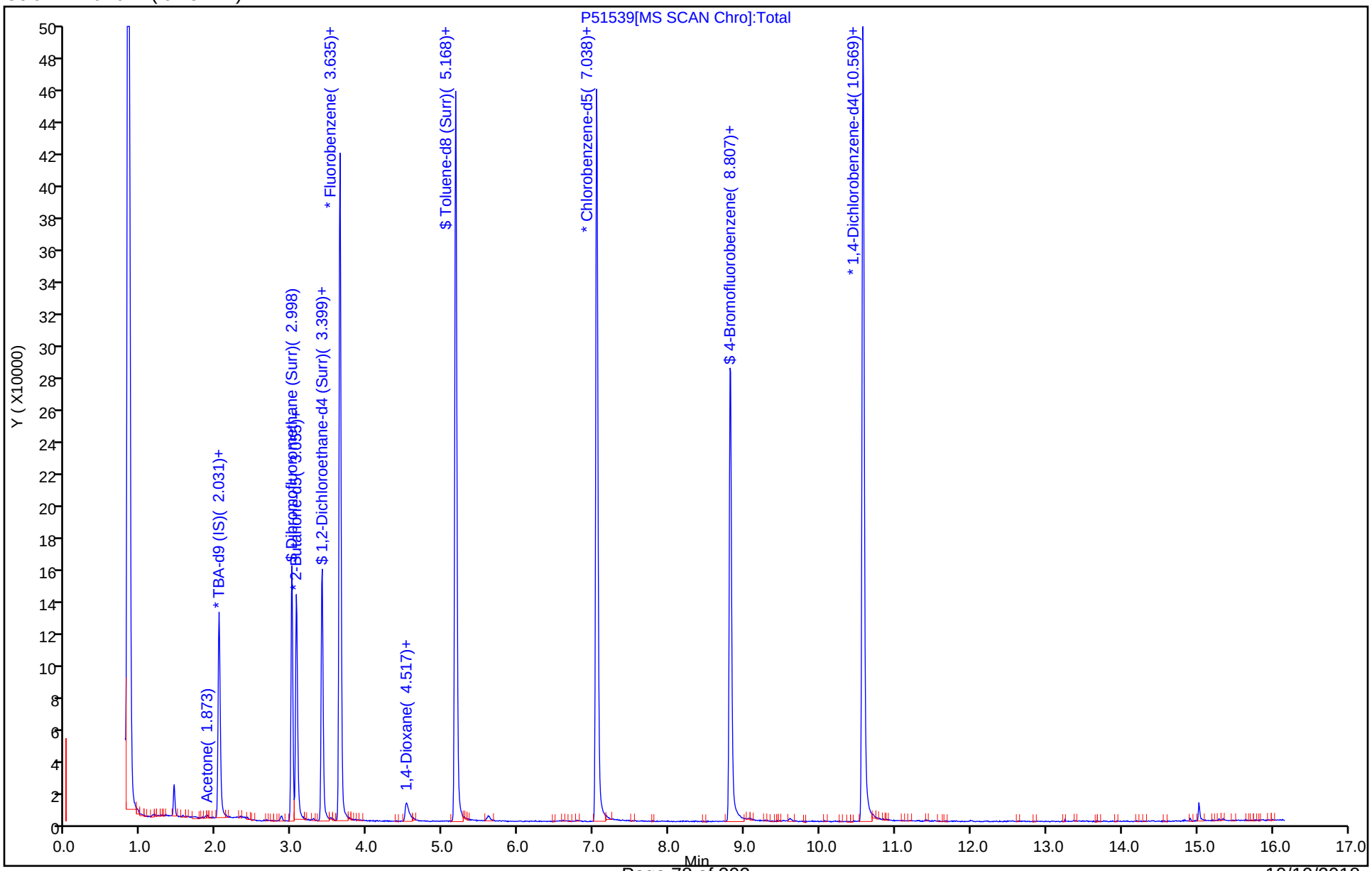
Report Date: 08-Oct-2018 18:50:29 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51539.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 05:36:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-A-4 | Lab Sample ID: | 460-165722-4 | Worklist Smp#: | 25 |
| Client ID: | PZ-23 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 24 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

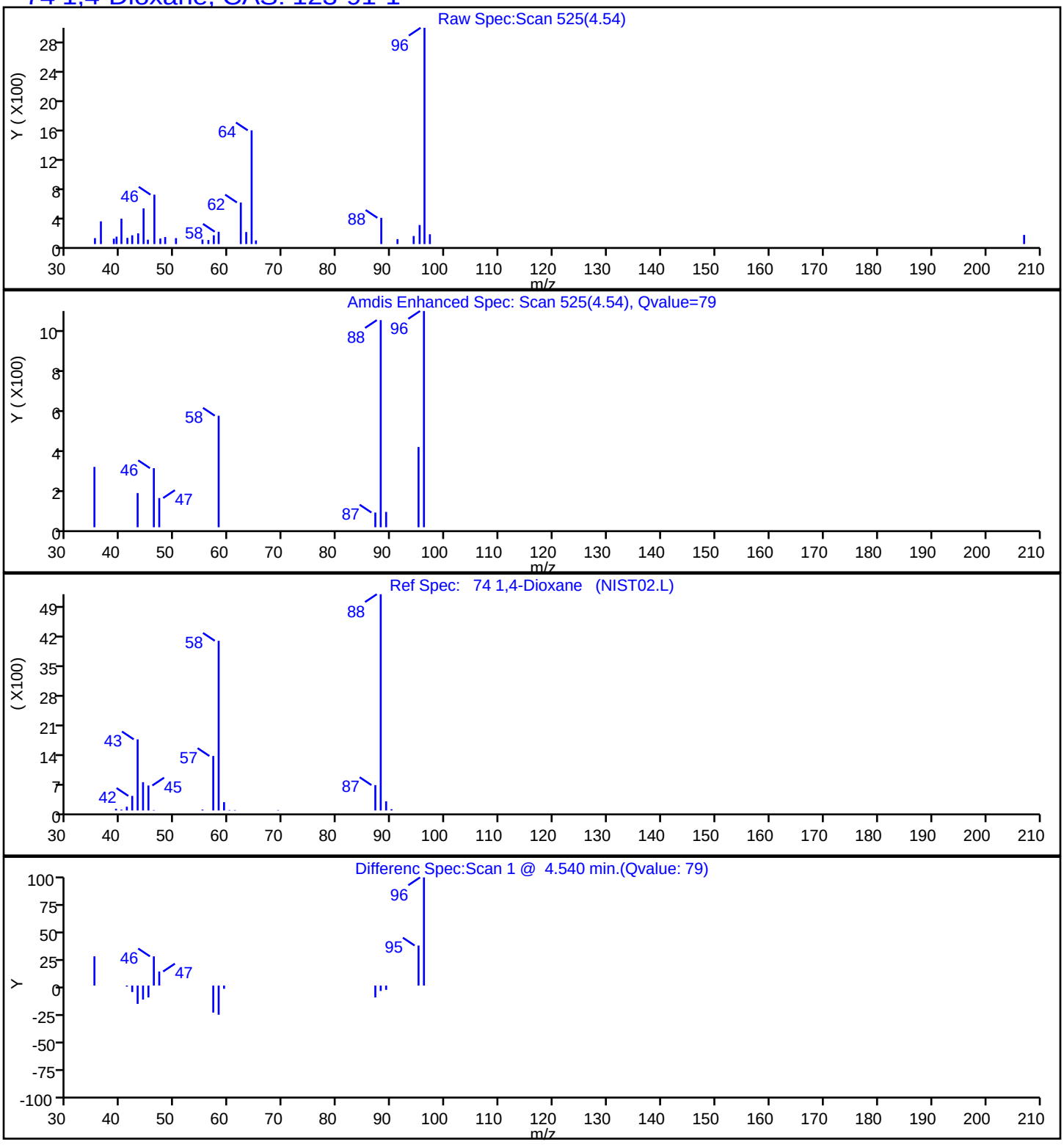
Column: Rtx-624 ( 0.25 mm)



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51539.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Oct-2018 05:36:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-A-4 | Lab Sample ID: | 460-165722-4 |
| Client ID: | PZ-23 | | |
| Operator ID: | | ALS Bottle#: | 24 Worklist Smp#: 25 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

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



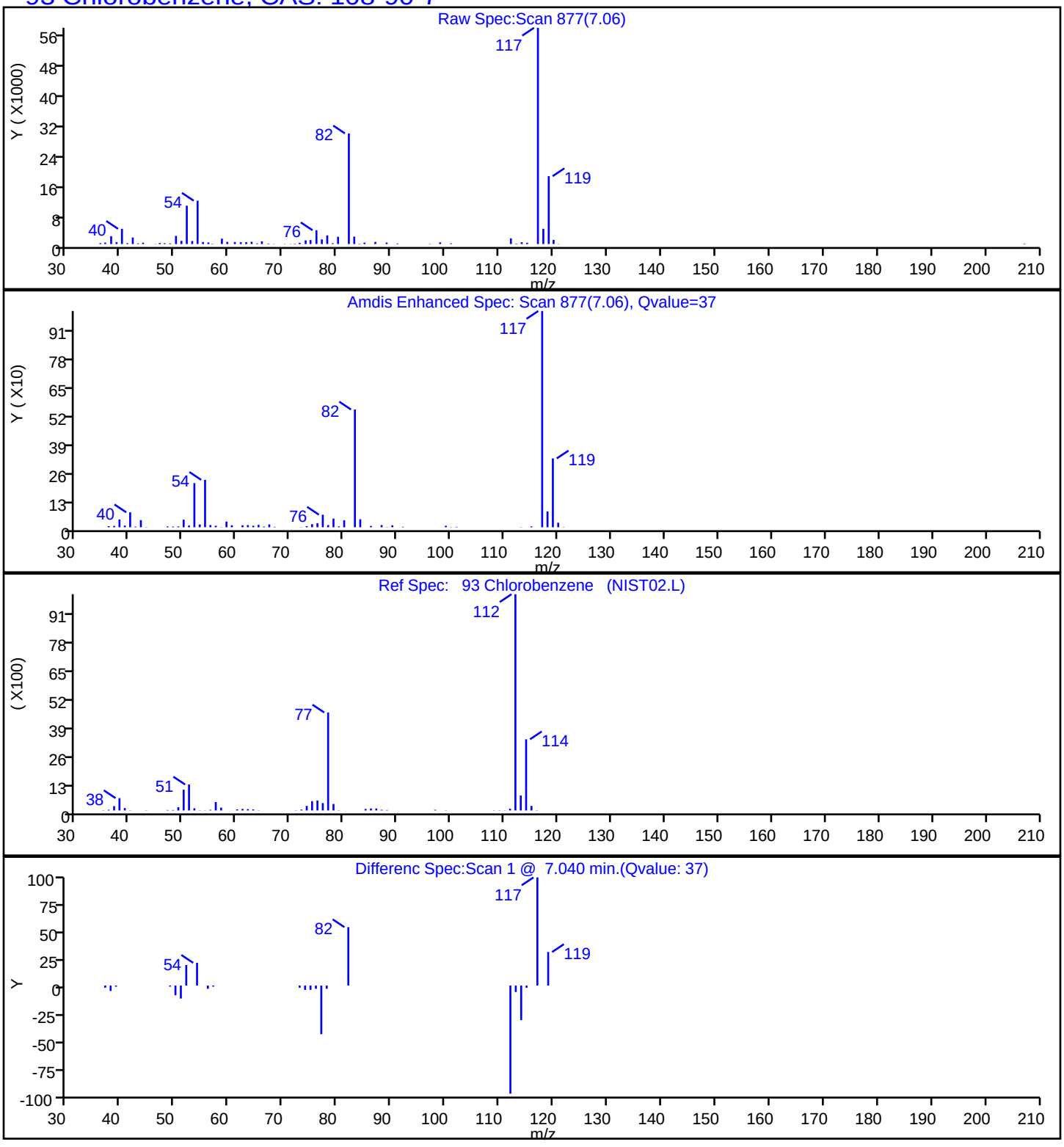
Report Date: 08-Oct-2018 18:50:29 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51539.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 05:36:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-A-4 | Lab Sample ID: | 460-165722-4 | | |
| Client ID: | PZ-23 | | | | |
| Operator ID: | | ALS Bottle#: | 24 | Worklist Smp#: | 25 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 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.: 460-165722-1

SDG No.:

Client Sample ID: FB | Lab Sample ID: 460-165722-5

Matrix: Water | Lab File ID: P51527.D

Analysis Method: 8260C | Date Collected: 09/27/2018 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 00:20

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.96 | J | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID: FB  Lab Sample ID: 460-165722-5

Matrix: Water  Lab File ID: P51527.D

Analysis Method: 8260C  Date Collected: 09/27/2018 10:10

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 00:20

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 97 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 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.: 460-165722-1

SDG No.:

Client Sample ID: FB | Lab Sample ID: 460-165722-5

Matrix: Water | Lab File ID: P51527.D

Analysis Method: 8260C | Date Collected: 09/27/2018 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 00:20

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.: 558208 | 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\CVOAMS13\20181007-79900.b\P51527.D
Lims ID: 460-165722-A-5
Client ID: FB
Sample Type: Client
Inject. Date: 08-Oct-2018 00:20:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-165722-A-5
Misc. Info.: 460-0079900-013
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:28:01

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 96 | 2641 | 0.9570 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 129227 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 86273 | 48.0 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 148541 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.399 | -0.007 | 0 | 106068 | 45.9 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 99 | 390580 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.516 | -0.007 | 0 | 14124 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 356856 | 48.2 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 325992 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 89 | 110888 | 48.3 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.576 | 10.569 | 0.007 | 96 | 184055 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

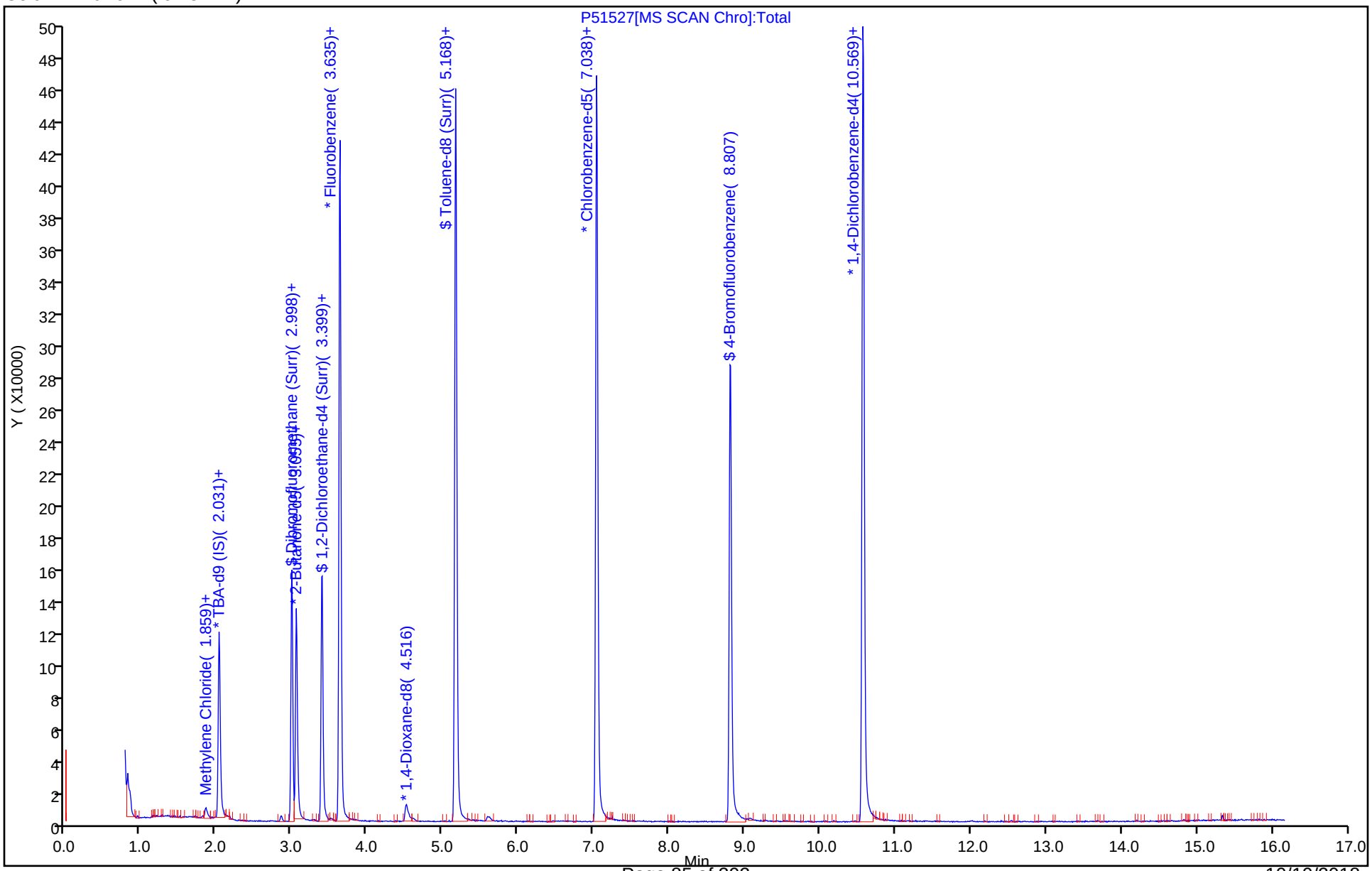
Report Date: 08-Oct-2018 18:50:07 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51527.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 00:20:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-A-5 | Lab Sample ID: | 460-165722-5 | Worklist Smp#: | 13 |
| Client ID: | FB | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 12 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

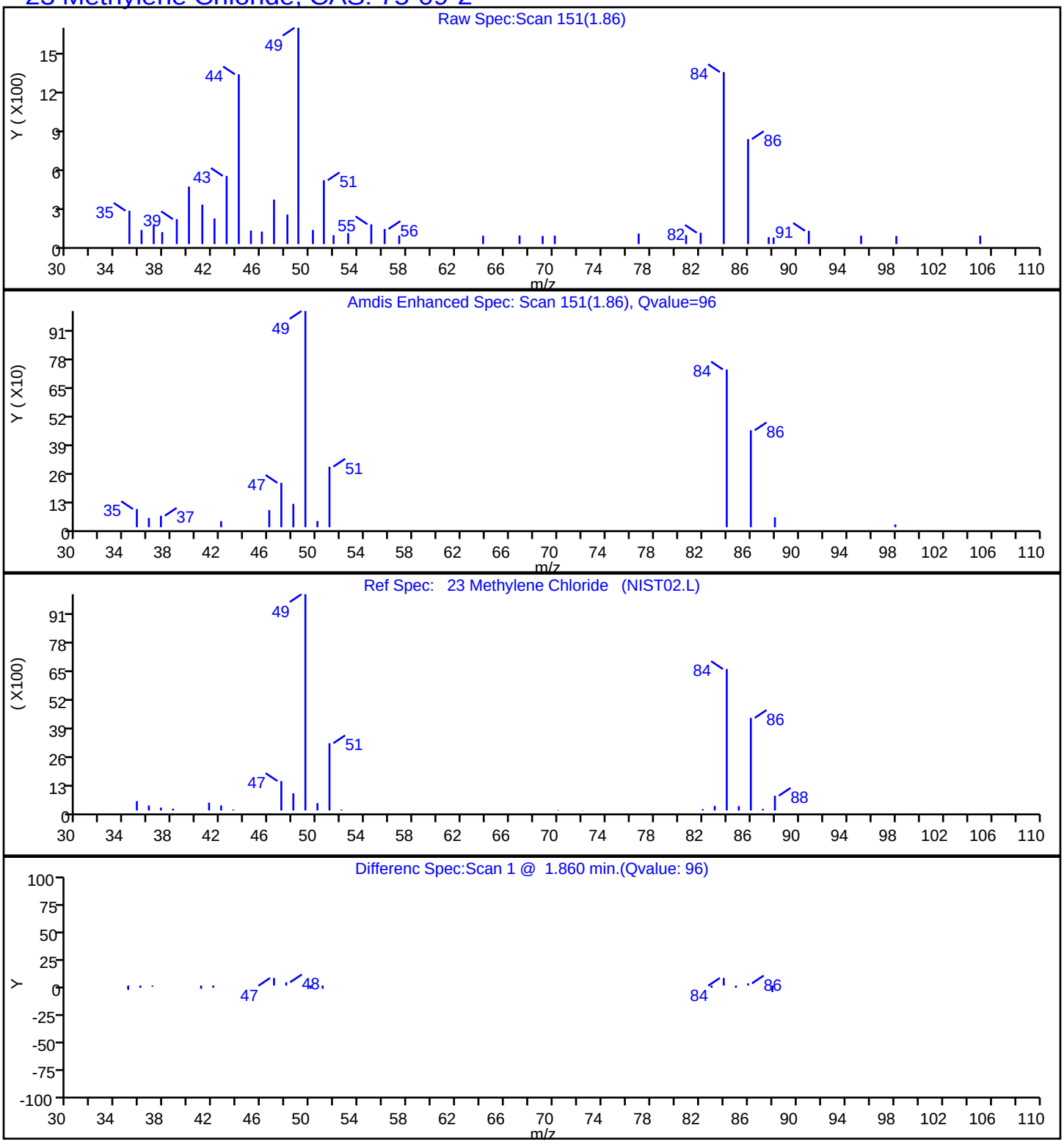
Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51527.D | | | | |
| Injection Date: | 08-Oct-2018 00:20:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-A-5 | Lab Sample ID: | 460-165722-5 | | |
| Client ID: | FB | | | | |
| Operator ID: | | ALS Bottle#: | 12 | Worklist Smp#: | 13 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 23 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-165722-6

Matrix: Water | Lab File ID: P51580.D

Analysis Method: 8260C | Date Collected: 09/27/2018 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 23:30

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.: 558499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.43 | J | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 2.4 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 170 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 20 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.53 | J | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-31  Lab Sample ID: 460-165722-6

Matrix: Water  Lab File ID: P51580.D

Analysis Method: 8260C  Date Collected: 09/27/2018 11:40

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 23:30

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.: 558499  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 98 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 95 | | 80-120 |

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

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-165722-6

Matrix: Water | Lab File ID: P51580.D

Analysis Method: 8260C | Date Collected: 09/27/2018 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 23:30

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.: 558499 | Units: ug/L

Number TICs Found: 4 | TIC Result Total: 80.9

| CAS NO. | COMPOUND NAME | RT | RESULT | Q | MATCH QUALITY |
|---|---|---|---|---|---|
| 60-29-7 | Ethyl ether | 1.43 | 25 | J N | 90% |
| 352-93-2 | Diethyl sulfide | 3.91 | 6.1 | J N | 96% |
| 1000194-02-2 | 1,3-Dichloro-2-methyl-propene | 4.35 | 5.8 | J N | 94% |
| 95-49-8 | Benzene, 1-chloro-2-methyl- | 9.24 | 44 | J N | 97% |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D
Lims ID: 460-165722-B-6
Client ID: MW-31
Sample Type: Client
Inject. Date: 08-Oct-2018 23:30:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 460-0079950-008
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 14:04:22 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: CTX0307

First Level Reviewer: colladox Date: 09-Oct-2018 00:26:07

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 99 | 35333 | 20.0 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 135399 | 1000.0 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 98 | 1881 | 0.4311 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.991 | 0.007 | 96 | 83023 | 48.5 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 147619 | 250.0 | |
| 54 Benzene | 78 | 3.292 | 3.285 | 0.007 | 97 | 24471 | 2.45 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.392 | 0.000 | 0 | 102461 | 46.6 | |
| 59 1,2-Dichloroethane | 62 | 3.456 | 3.449 | 0.007 | 91 | 1186 | 0.3414 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.636 | -0.001 | 99 | 371676 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.516 | 4.509 | 0.007 | 0 | 13732 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 347715 | 47.3 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 91 | 5861 | 0.5333 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 86 | 323440 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 95 | 1176426 | 170.5 | |
| 97 o-Xylene | 106 | 7.962 | 7.948 | 0.014 | 91 | 1965 | 0.4355 | M |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 90 | 111750 | 49.0 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 177398 | 50.0 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 0.4355 | |

## QC Flag Legend

Review Flags
M - Manually Integrated

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D
Lims ID: 460-165722-B-6
Client ID: MW-31
Sample Type: Client
Inject. Date: 08-Oct-2018 23:30:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 460-0079950-008
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 14:04:22 Calib Date: 05-Oct-2018 21:11:30
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-624 ( 0.25 mm) Det: MS SCAN
Process Host: CTX0307

First Level Reviewer: colladox Date: 09-Oct-2018 00:26:07

Tentative Identified Compound Results

| RT | Area | Amount ug/l | Quant Cpnd | Qual | Lib Entry | Molecular Formula | Mol. Weight | Flags |
|---|---|---|---|---|---|---|---|---|
| 60-29-7 Ethyl ether | | | | | | | | |
| 1.429 | 387253 | 24.6 | 62 | 90 | 824 | C4H10O | 74 | |
| 352-93-2 Diethyl sulfide | | | | | | | | |
| 3.908 | 96109 | 6.11 | 62 | 96 | 2285 | C4H10S | 90 | |
| 1000194-02-2 1,3-Dichloro-2-methyl-propene | | | | | | | | |
| 4.352 | 90768 | 5.77 | 62 | 94 | 9961 | C4H6Cl2 | 124 | |
| 95-49-8 Benzene, 1-chloro-2-methyl- | | | | | | | | |
| 9.244 | 946426 | 43.6 | 119 | 97 | 10924 | C7H7Cl | 126 | |

Quantitation Compounds

| Compound | RT | Area | Amount ug/l |
|---|---|---|---|
| * 62 Fluorobenzene | 3.635 | 787032 | 50.0 |
| * 119 1,4-Dichlorobenzene-d4 | 10.569 | 1084966 | 50.0 |

## QC Flag Legend

Processing Flags

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

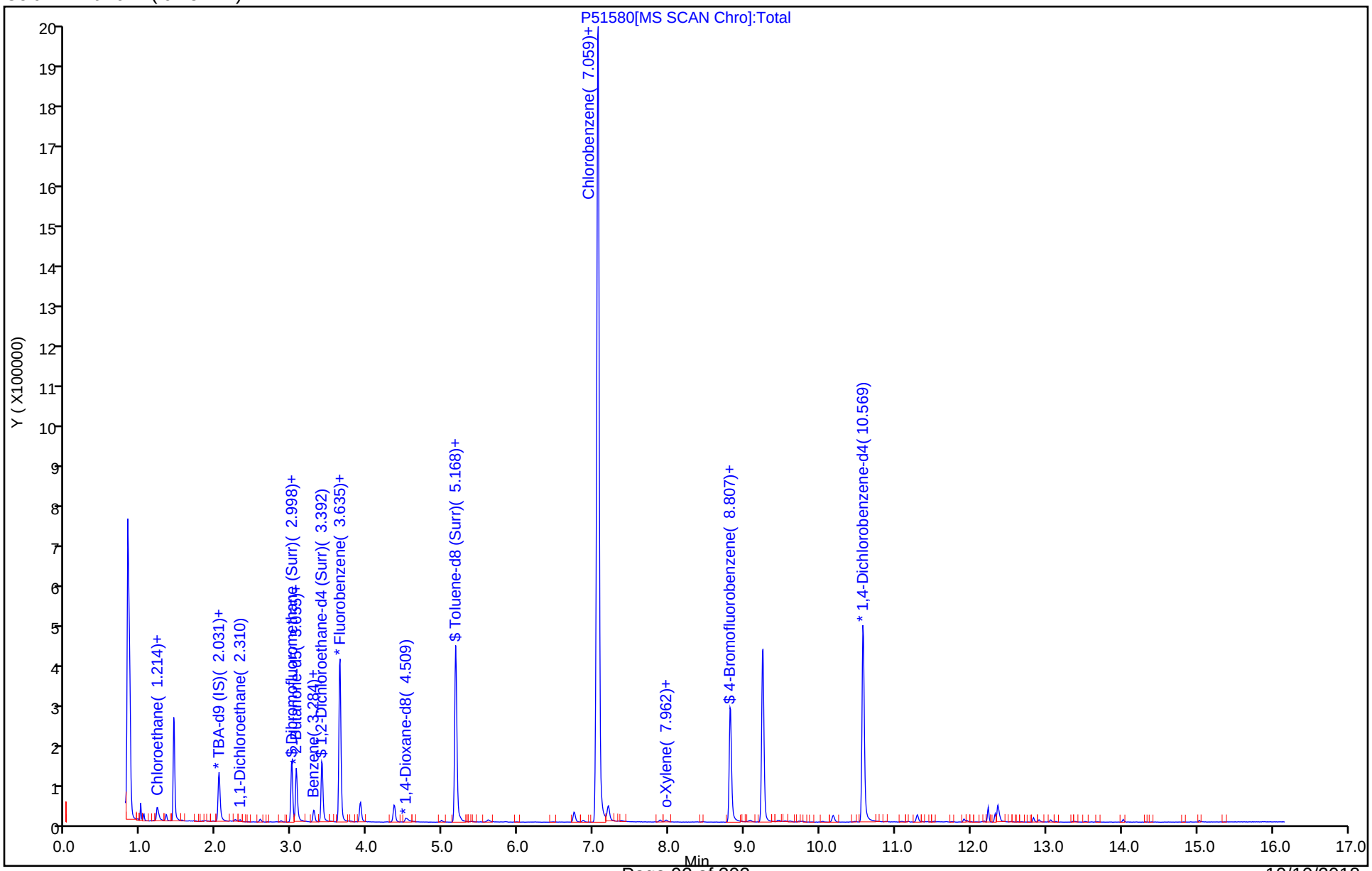
Report Date: 09-Oct-2018 14:04:42 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D

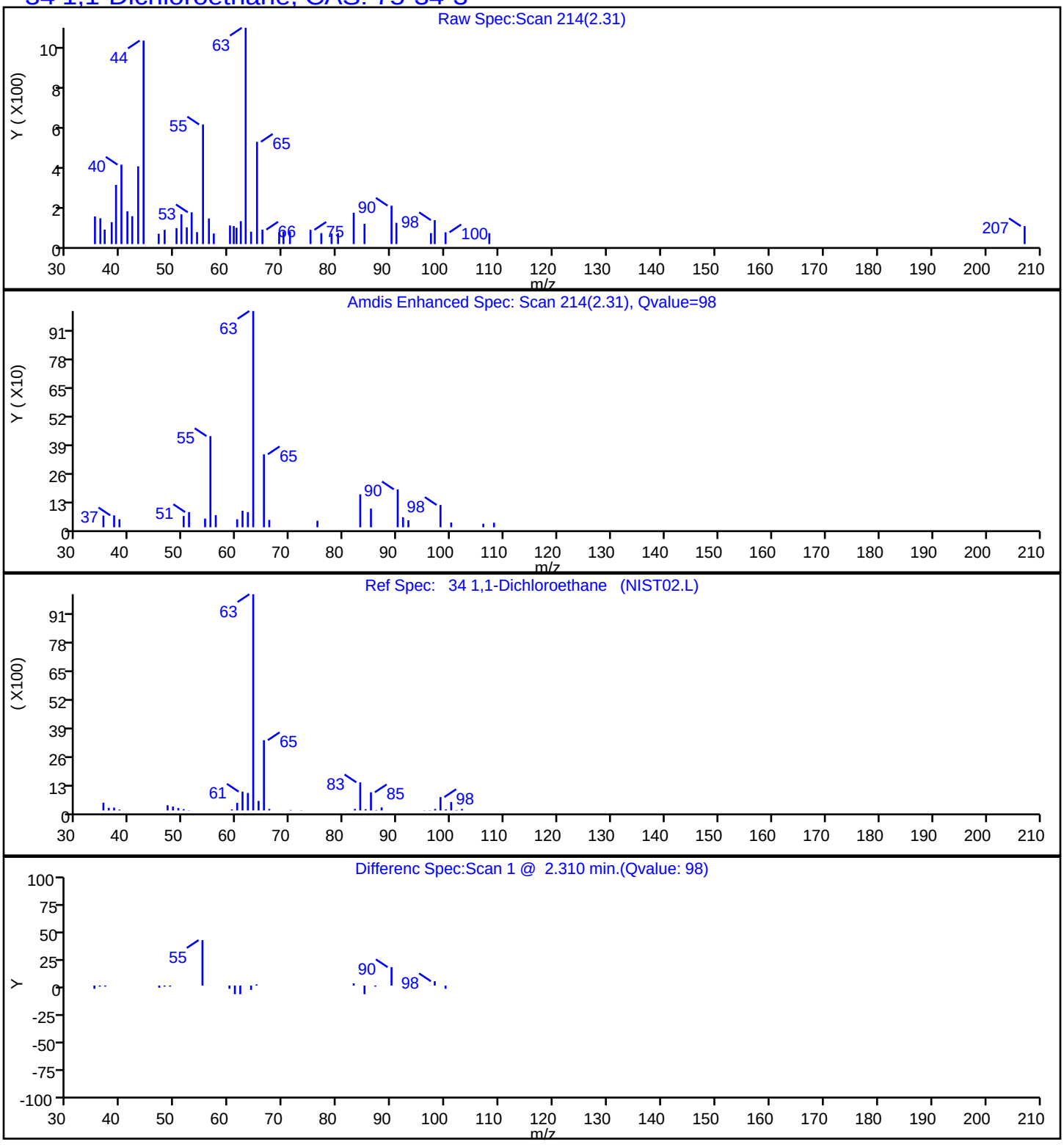
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 | Worklist Smp#: | 8 |
| Client ID: | MW-31 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 7 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D
Injection Date: 08-Oct-2018 23:30:30 Instrument ID: CVOAMS13
Lims ID: 460-165722-B-6 Lab Sample ID: 460-165722-6
Client ID: MW-31
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

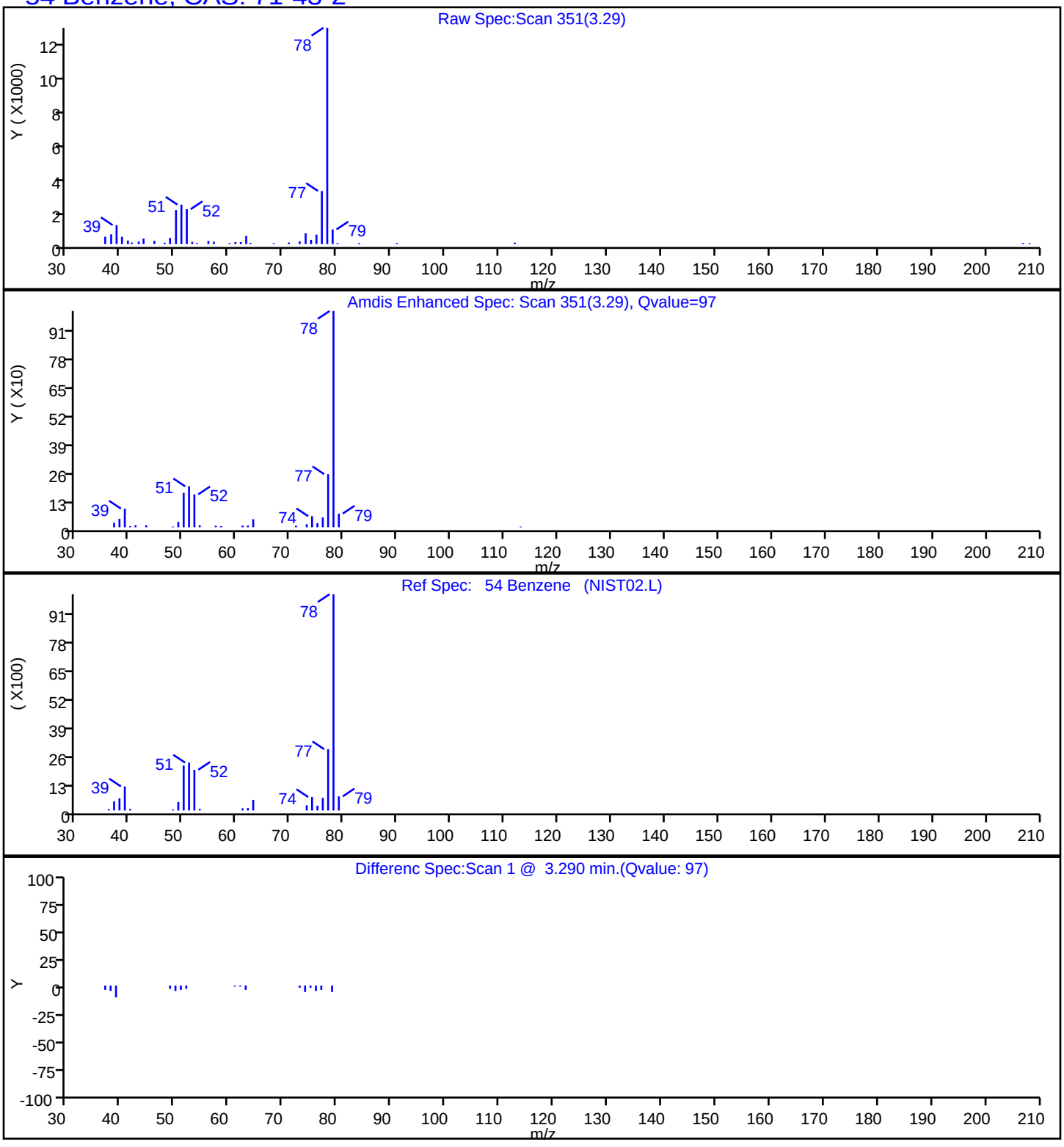
## 34 1,1-Dichloroethane, CAS: 75-34-3



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 |
| Client ID: | MW-31 | | |
| Operator ID: | | ALS Bottle#: | 7 Worklist Smp#: 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 54 Benzene, CAS: 71-43-2



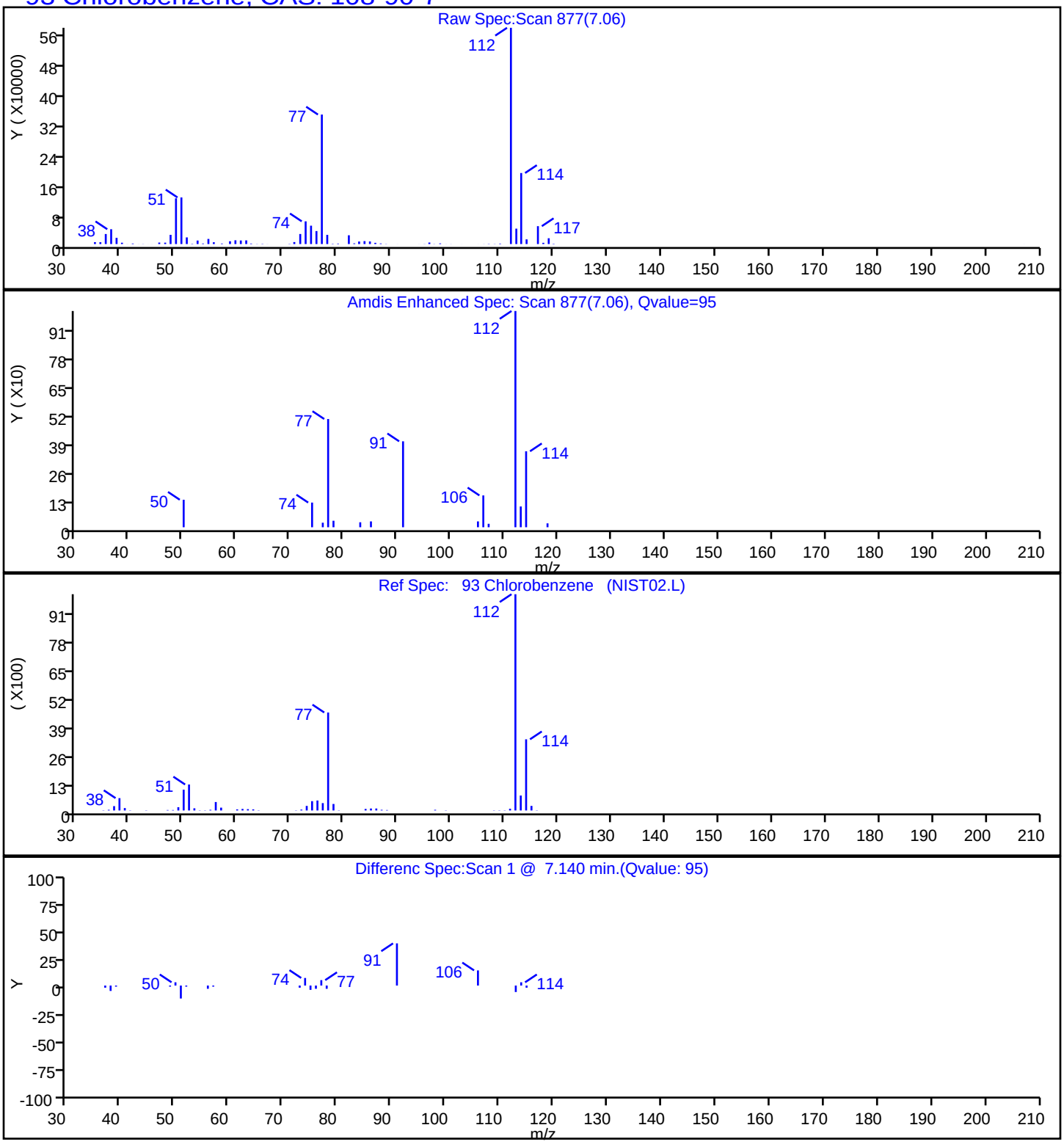
Report Date: 09-Oct-2018 14:04:42 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 7 | Worklist Smp#: | 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

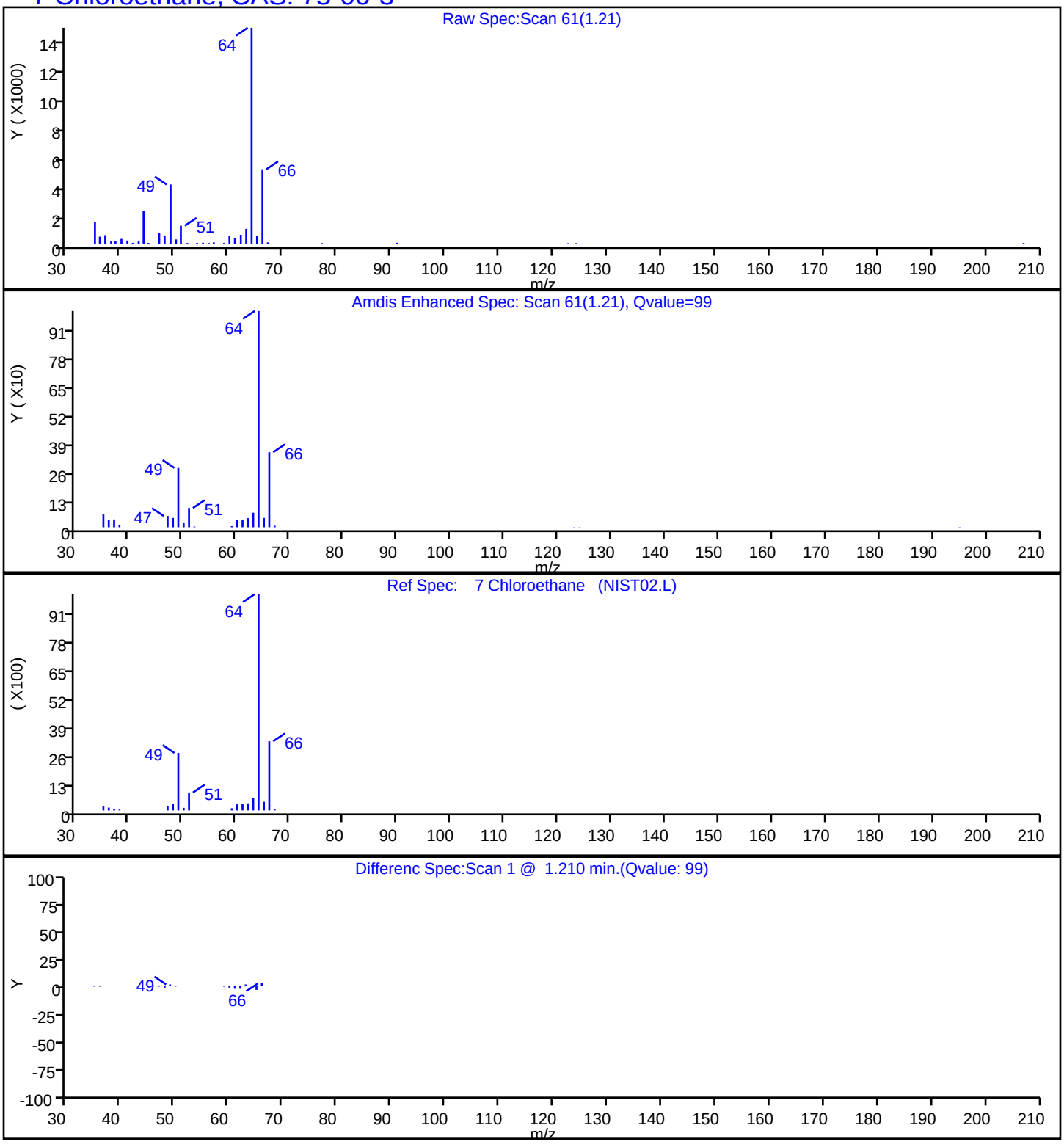
## 93 Chlorobenzene, CAS: 108-90-7



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 |
| Client ID: | MW-31 | | |
| Operator ID: | | ALS Bottle#: | 7 Worklist Smp#: 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

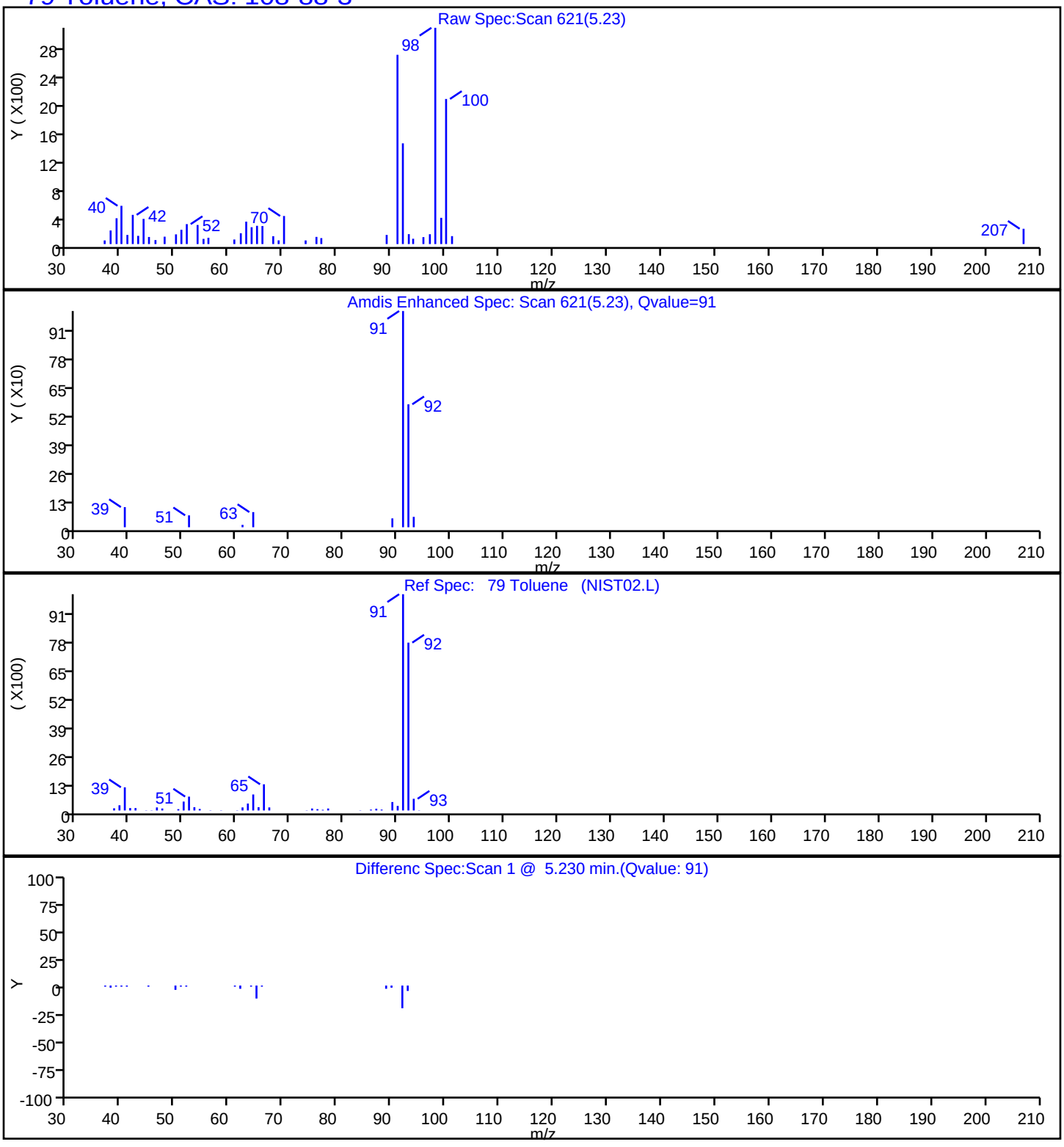
## 7 Chloroethane, CAS: 75-00-3



TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D | | |
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 |
| Client ID: | MW-31 | | |
| Operator ID: | | ALS Bottle#: | 7 Worklist Smp#: 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 79 Toluene, CAS: 108-88-3



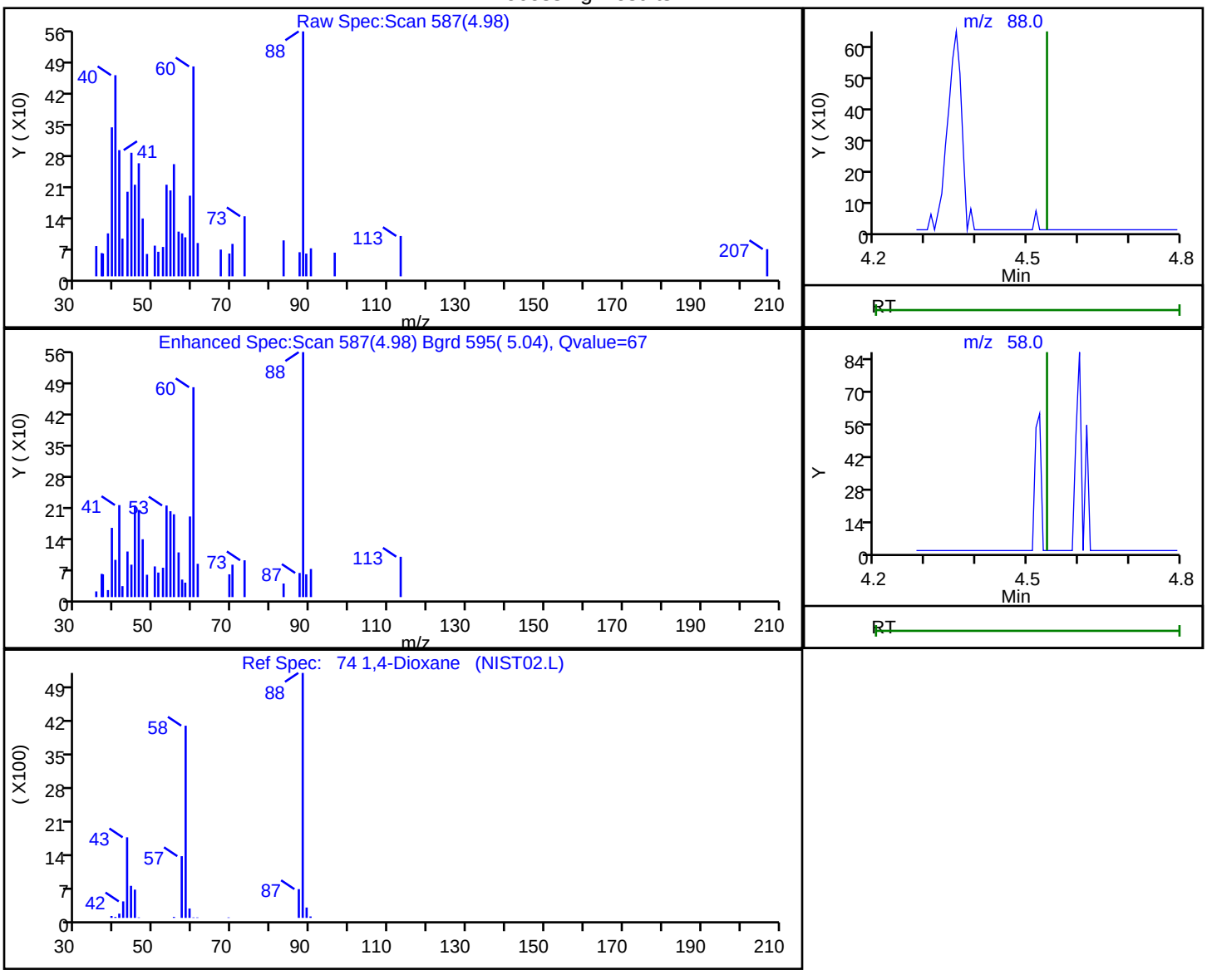
User Disabled Compound Report

TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D | | |
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 |
| Client ID: | MW-31 | | |
| Operator ID: | | ALS Bottle#: | 7 Worklist Smp#: 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.98 | 88.00 | 1052 | 58.377818 |
| 4.98 | 58.00 | 119 | |

Reviewer: desais, 09-Oct-2018 07:37:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

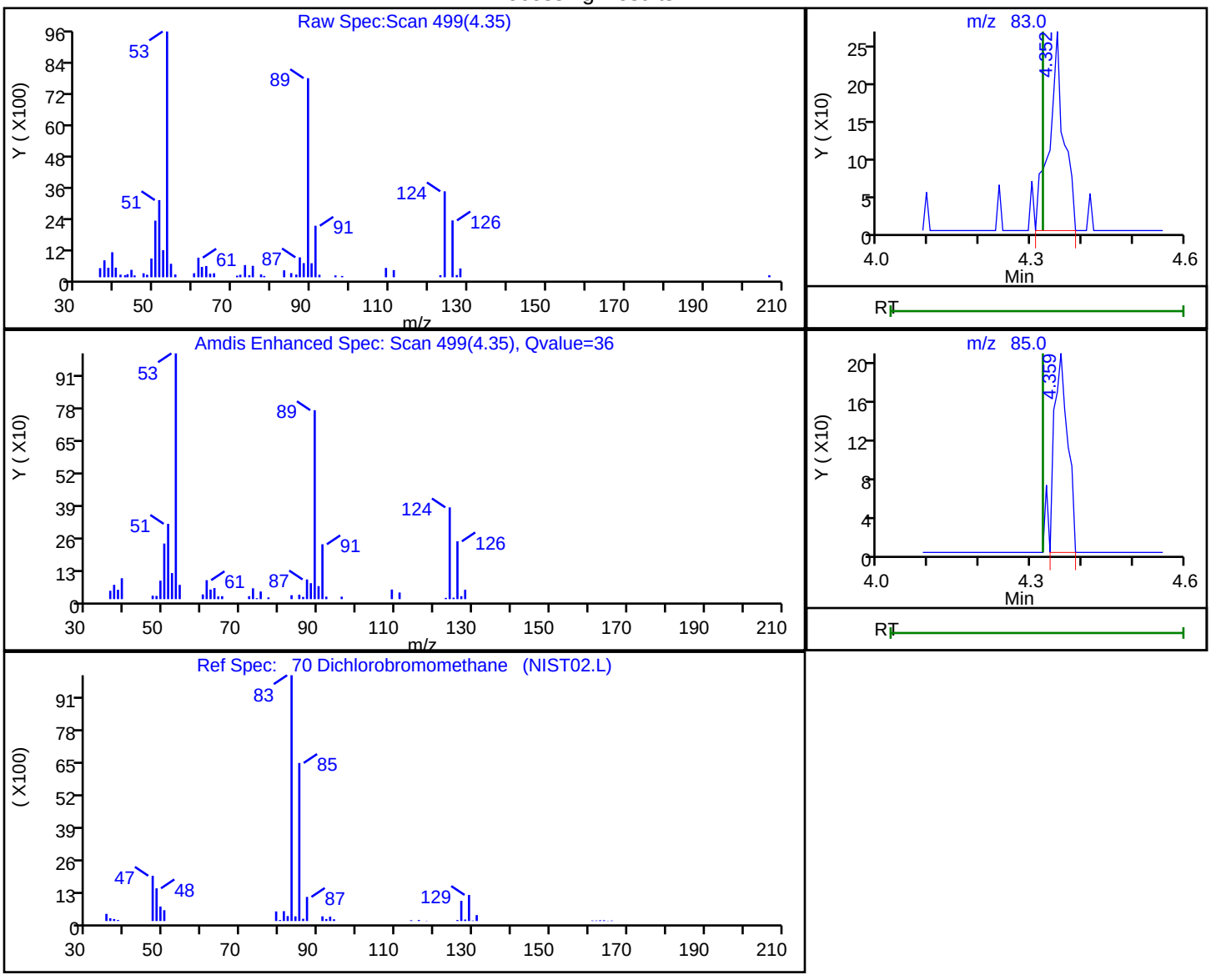
User Disabled Compound Report

TestAmerica Edison

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D | | | | |
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 | | |
| Client ID: | MW-31 | | | | |
| Operator ID: | | ALS Bottle#: | 7 | Worklist Smp#: | 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 70 Dichlorobromomethane, CAS: 75-27-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.35 | 83.00 | 537 | 0.166236 |
| 4.36 | 85.00 | 363 | |

Reviewer: xuyvo, 09-Oct-2018 14:03:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Edison

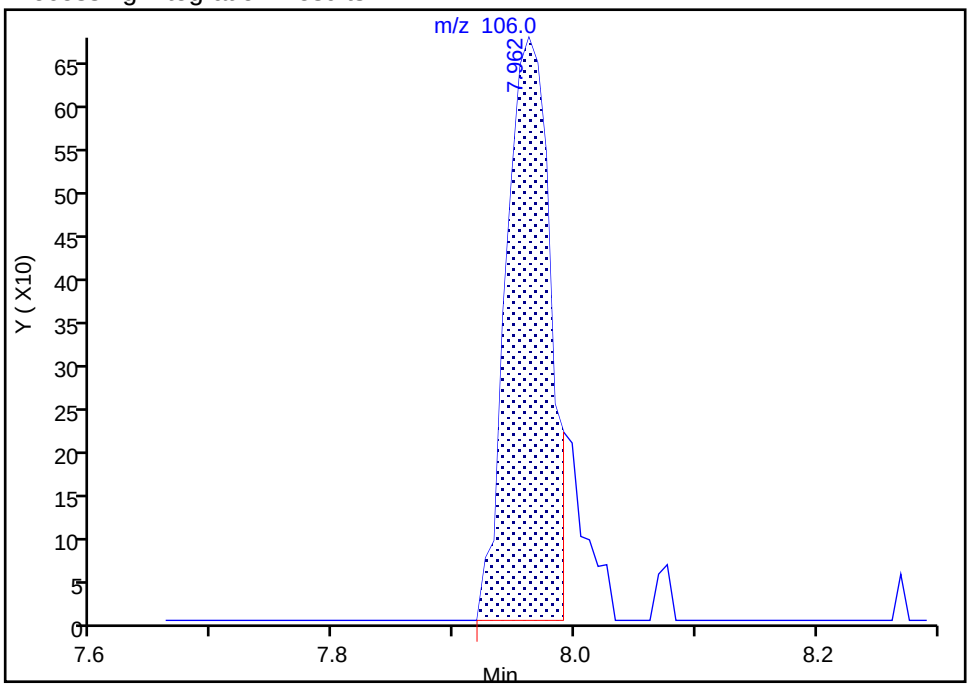
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D | | |
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 |
| Client ID: | MW-31 | | |
| Operator ID: | | ALS Bottle#: | 7 Worklist Smp#: 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 97 o-Xylene, CAS: 95-47-6

Signal: 1

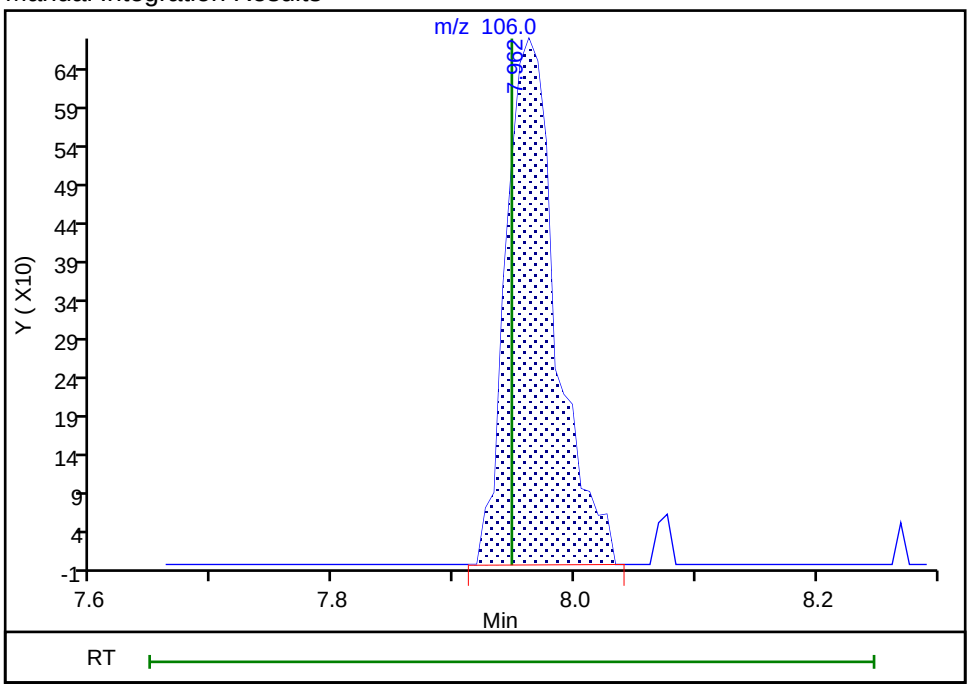
Processing Integration Results

RT: 7.96
Area: 1734
Amount: 0.384284
Amount Units: ug/l




Manual Integration Results

RT: 7.96
Area: 1965
Amount: 0.435477
Amount Units: ug/l




Reviewer: xuyvo, 09-Oct-2018 14:04:19

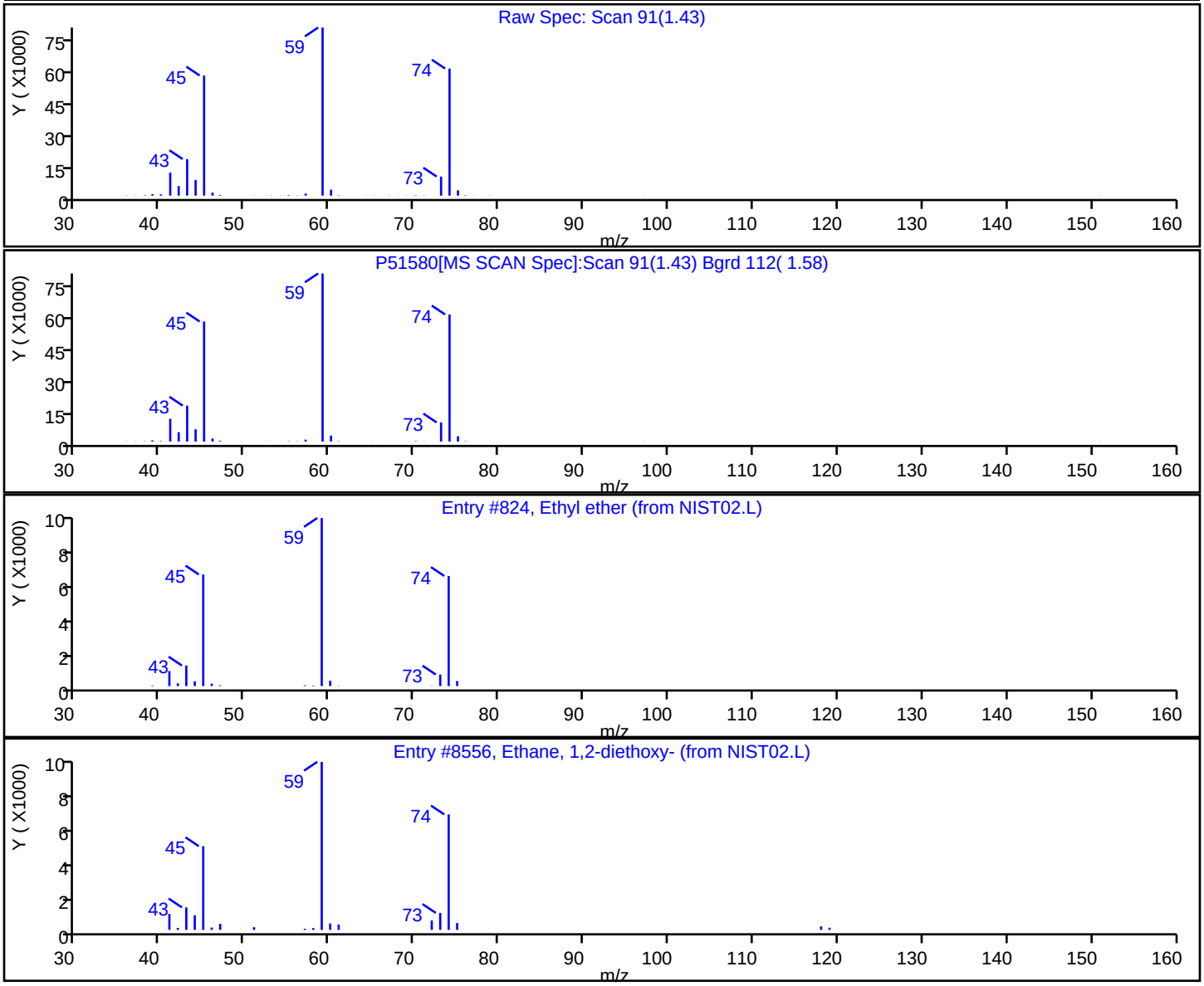
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D

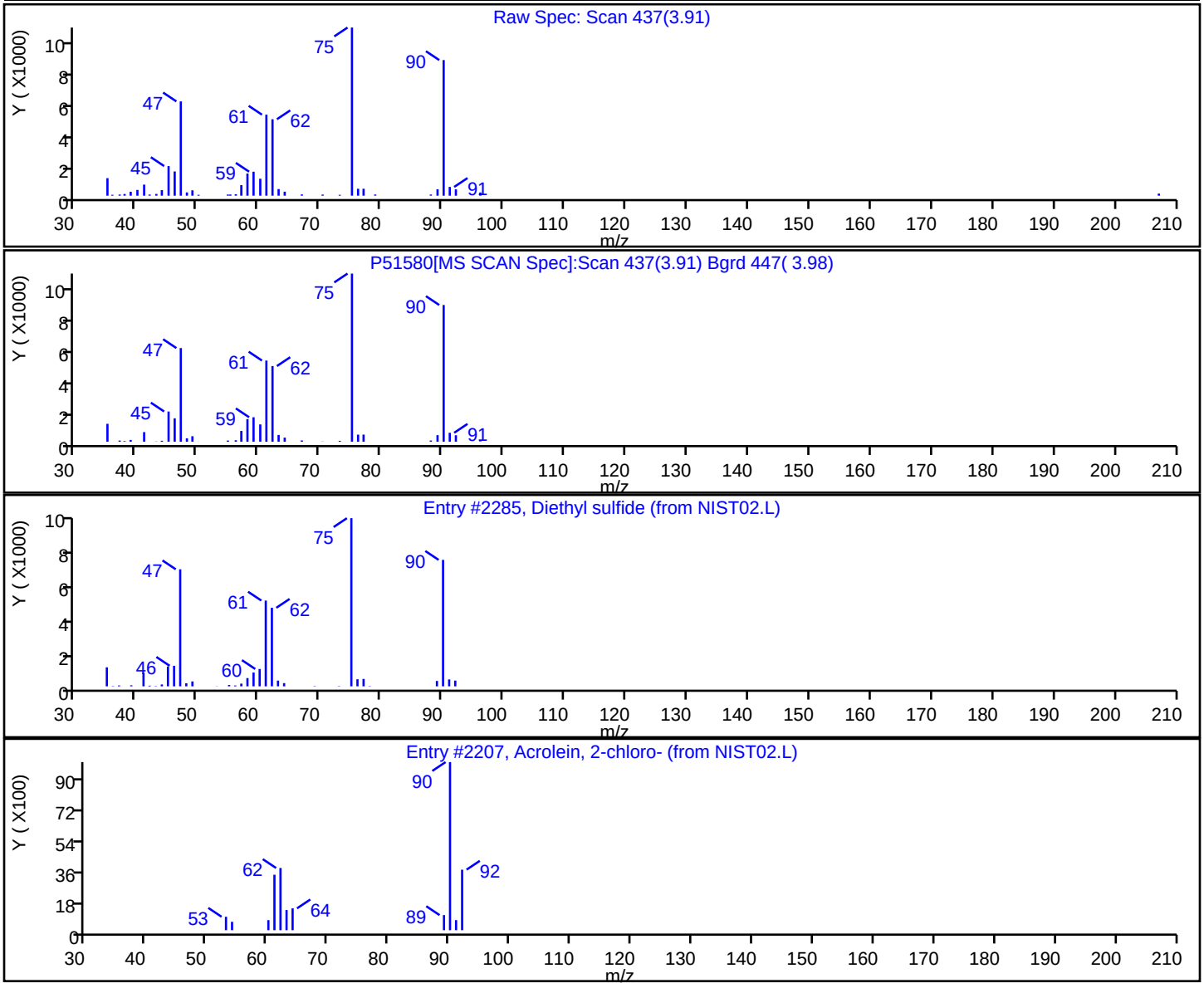
| | | | |
|---|---|---|---|
| Injection Date: | 08-Oct-2018 23:30:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-B-6 | Lab Sample ID: | 460-165722-6 |
| Client ID: | MW-31 | | |
| Operator ID: | | ALS Bottle#: | 7 Worklist Smp#: 8 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | 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 |
| Ethane, 1,2-diethoxy- | 629-14-1 | NIST02.L | 8556 | C6H14O2 | 118 | 72 |



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D
Injection Date: 08-Oct-2018 23:30:30 Instrument ID: CVOAMS13
Lims ID: 460-165722-B-6 Lab Sample ID: 460-165722-6
Client ID: MW-31
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

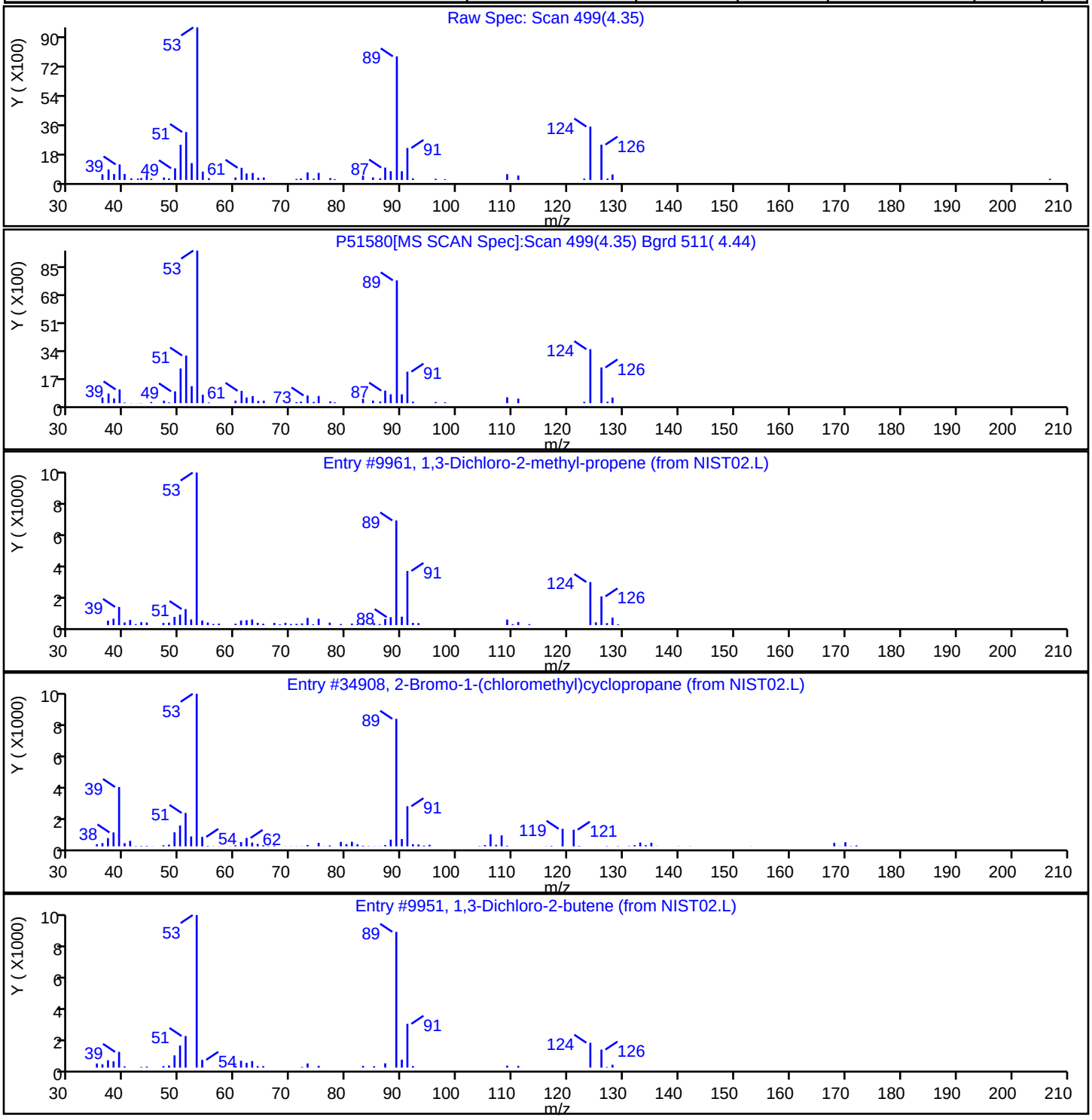
| Library Search Compound Match | CAS# | Library | Entry | Formula | Weight | Q |
|---|---|---|---|---|---|---|
| Diethyl sulfide | 352-93-2 | NIST02.L | 2285 | C4H10S | 90 | 96 |
| Acrolein, 2-chloro- | 683-51-2 | NIST02.L | 2207 | C3H3ClO | 90 | 72 |



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D
Injection Date: 08-Oct-2018 23:30:30 Instrument ID: CVOAMS13
Lims ID: 460-165722-B-6 Lab Sample ID: 460-165722-6
Client ID: MW-31
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

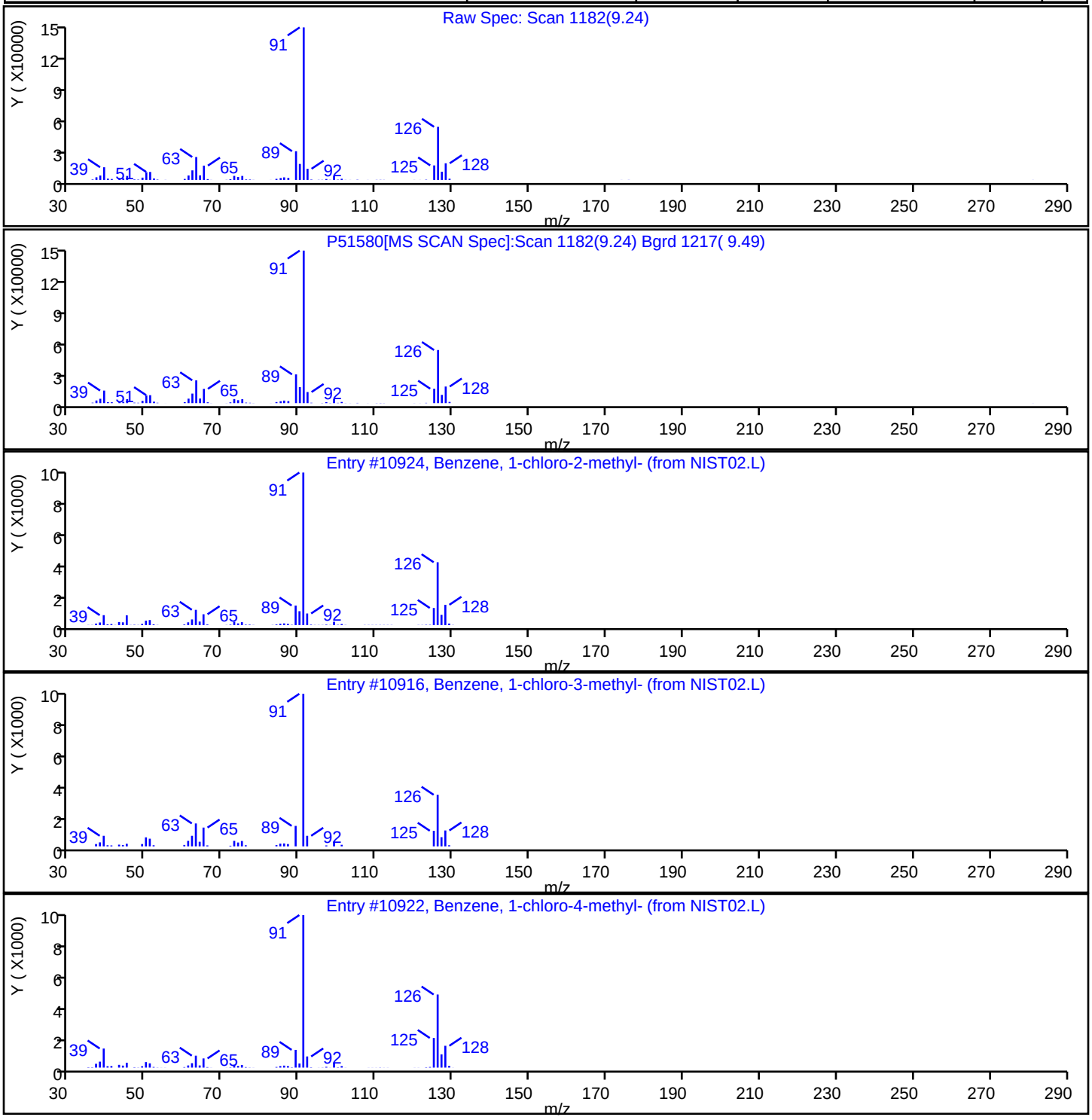
| Library Search Compound Match | CAS# | Library | Entry | Formula | Weight | Q |
|---|---|---|---|---|---|---|
| 1,3-Dichloro-2-methyl-propene | 1000194-02-2 | NIST02.L | 9961 | C4H6Cl2 | 124 | 94 |
| 2-Bromo-1-(chloromethyl)cyclopropane | 1000222-15-8 | NIST02.L | 34908 | C4H6BrCl | 168 | 64 |
| 1,3-Dichloro-2-butene | 926-57-8 | NIST02.L | 9951 | C4H6Cl2 | 124 | 64 |



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51580.D
Injection Date: 08-Oct-2018 23:30:30 Instrument ID: CVOAMS13
Lims ID: 460-165722-B-6 Lab Sample ID: 460-165722-6
Client ID: MW-31
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 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 |
| Benzene, 1-chloro-4-methyl- | 106-43-4 | NIST02.L | 10922 | C7H7Cl | 126 | 87 |



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-165722-7

Matrix: Water | Lab File ID: P51541.D

Analysis Method: 8260C | Date Collected: 09/27/2018 12:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 06:26

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | J | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.8 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.21 | J | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-36 Lab Sample ID: 460-165722-7

Matrix: Water Lab File ID: P51541.D

Analysis Method: 8260C Date Collected: 09/27/2018 12:15

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2018 06:26

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.: 558208 Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 98 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 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.: 460-165722-1

SDG No.:

Client Sample ID: MW-36  Lab Sample ID: 460-165722-7

Matrix: Water  Lab File ID: P51541.D

Analysis Method: 8260C  Date Collected: 09/27/2018 12:15

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 06:26

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.: 558208  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\CVOAMS13\20181007-79900.b\P51541.D
Lims ID: 460-165722-A-7
Client ID: MW-36
Sample Type: Client
Inject. Date: 08-Oct-2018 06:26:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-165722-A-7
Misc. Info.: 460-0079900-027
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:31:26

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 4 Vinyl chloride | 62 | 0.999 | 0.992 | 0.007 | 3 | 523 | 0.2132 | |
| 24 Acetone | 43 | 1.873 | 1.880 | -0.007 | 85 | 4067 | 5.81 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 149980 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 84758 | 48.0 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 165638 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 106225 | 46.8 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 98 | 383393 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.516 | -0.007 | 0 | 15123 | 1000.0 | |
| 74 1,4-Dioxane | 88 | 4.552 | 4.538 | 0.014 | 43 | 557 | 28.1 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 355690 | 48.6 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 88 | 322123 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 90 | 110767 | 48.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 183688 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

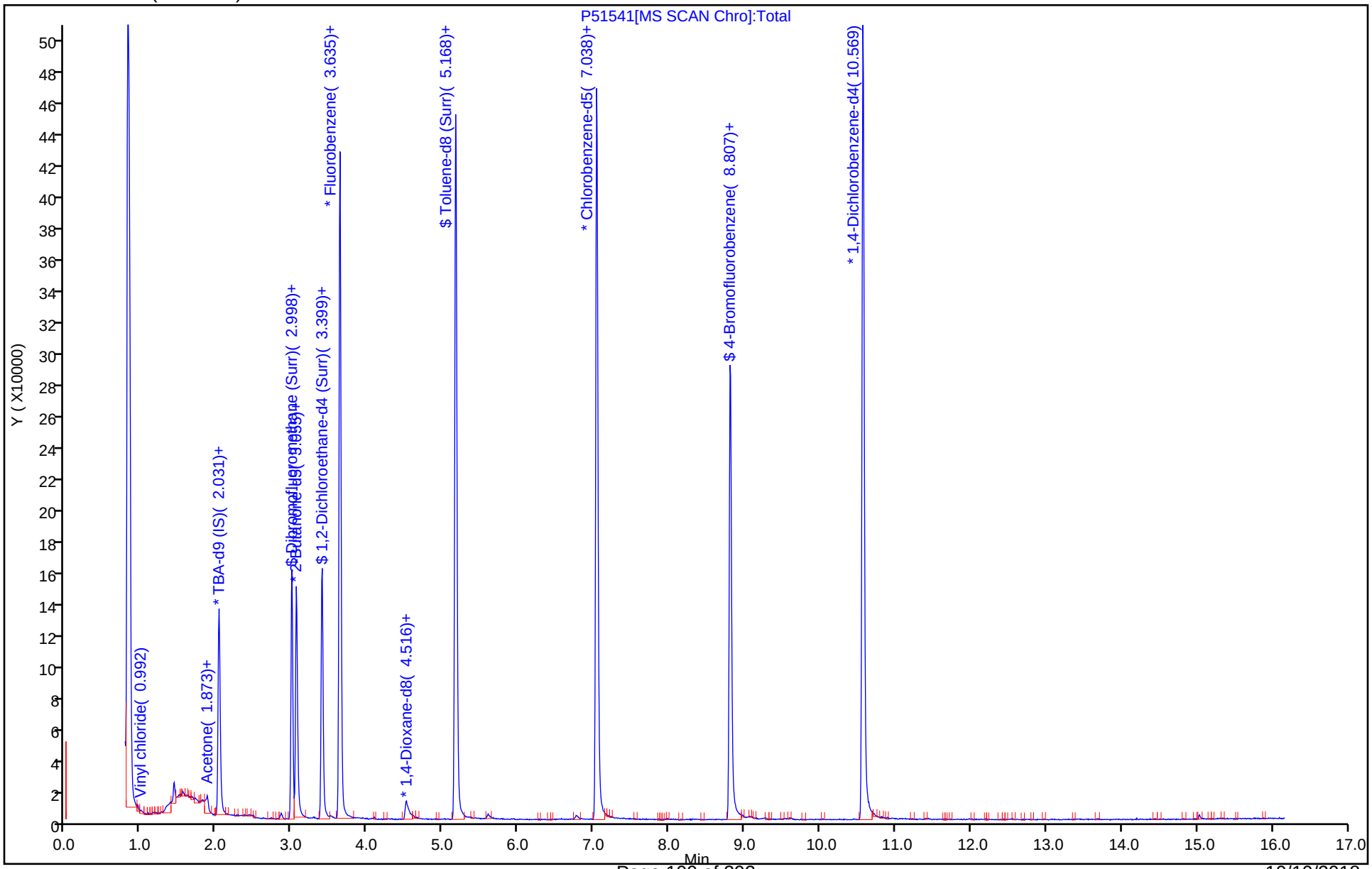
Report Date: 08-Oct-2018 18:50:32 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51541.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 06:26:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-A-7 | Lab Sample ID: | 460-165722-7 | Worklist Smp#: | 27 |
| Client ID: | MW-36 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 26 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)

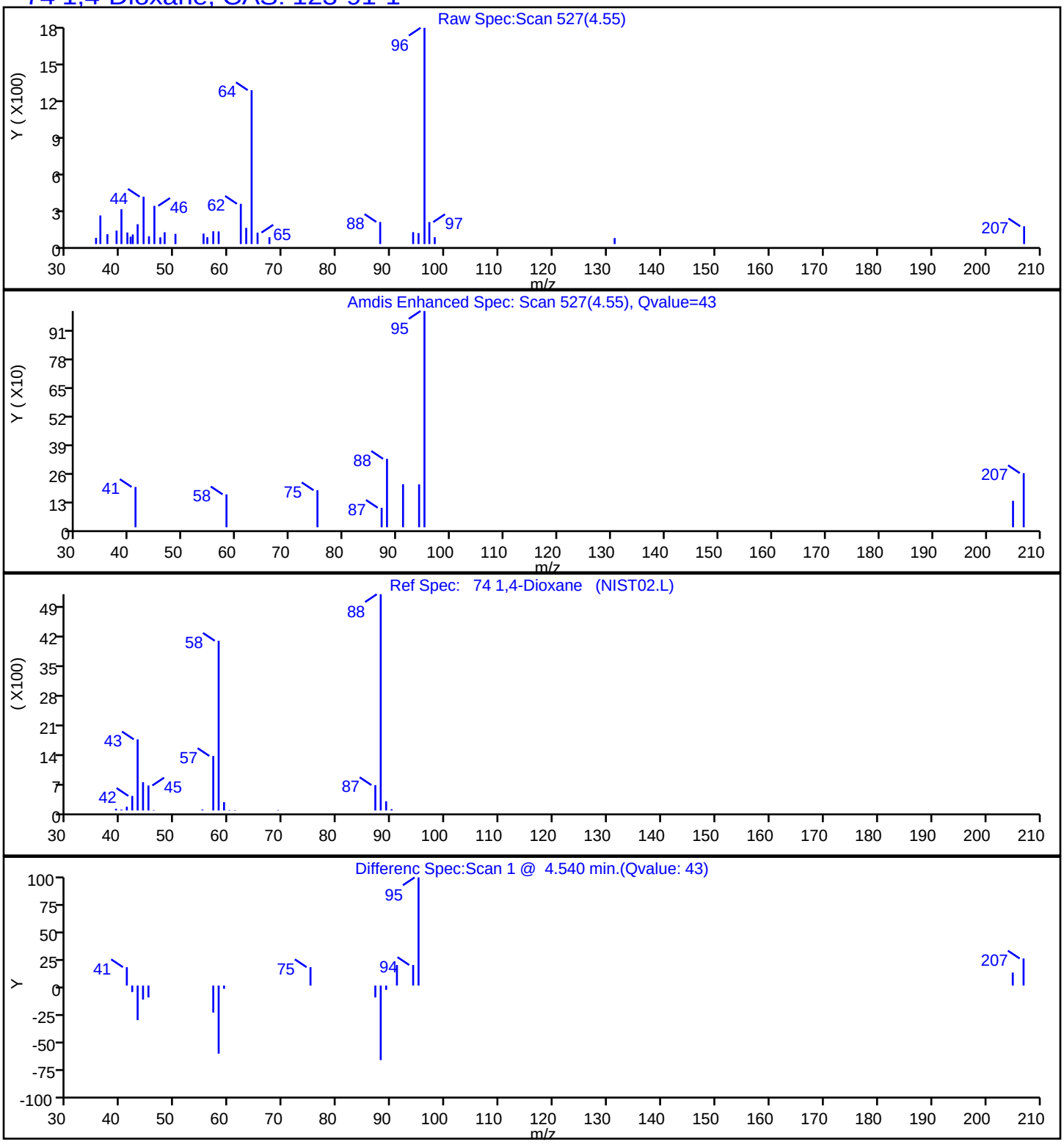


TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51541.D

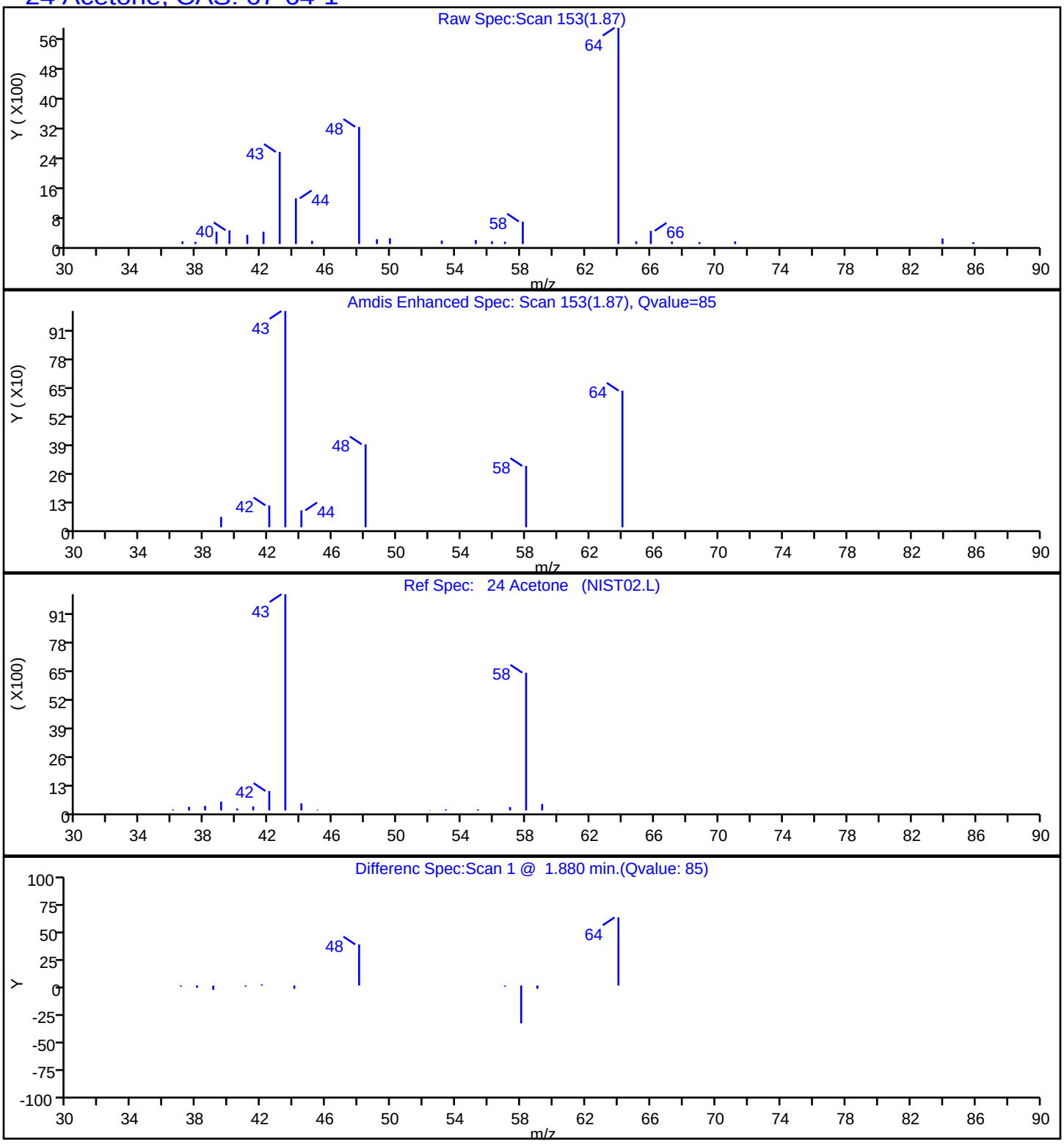
| | | | |
|---|---|---|---|
| Injection Date: | 08-Oct-2018 06:26:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-A-7 | Lab Sample ID: | 460-165722-7 |
| Client ID: | MW-36 | | |
| Operator ID: | | ALS Bottle#: | 26 Worklist Smp#: 27 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

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



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51541.D
Injection Date: 08-Oct-2018 06:26:30 Instrument ID: CVOAMS13
Lims ID: 460-165722-A-7 Lab Sample ID: 460-165722-7
Client ID: MW-36
Operator ID: ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

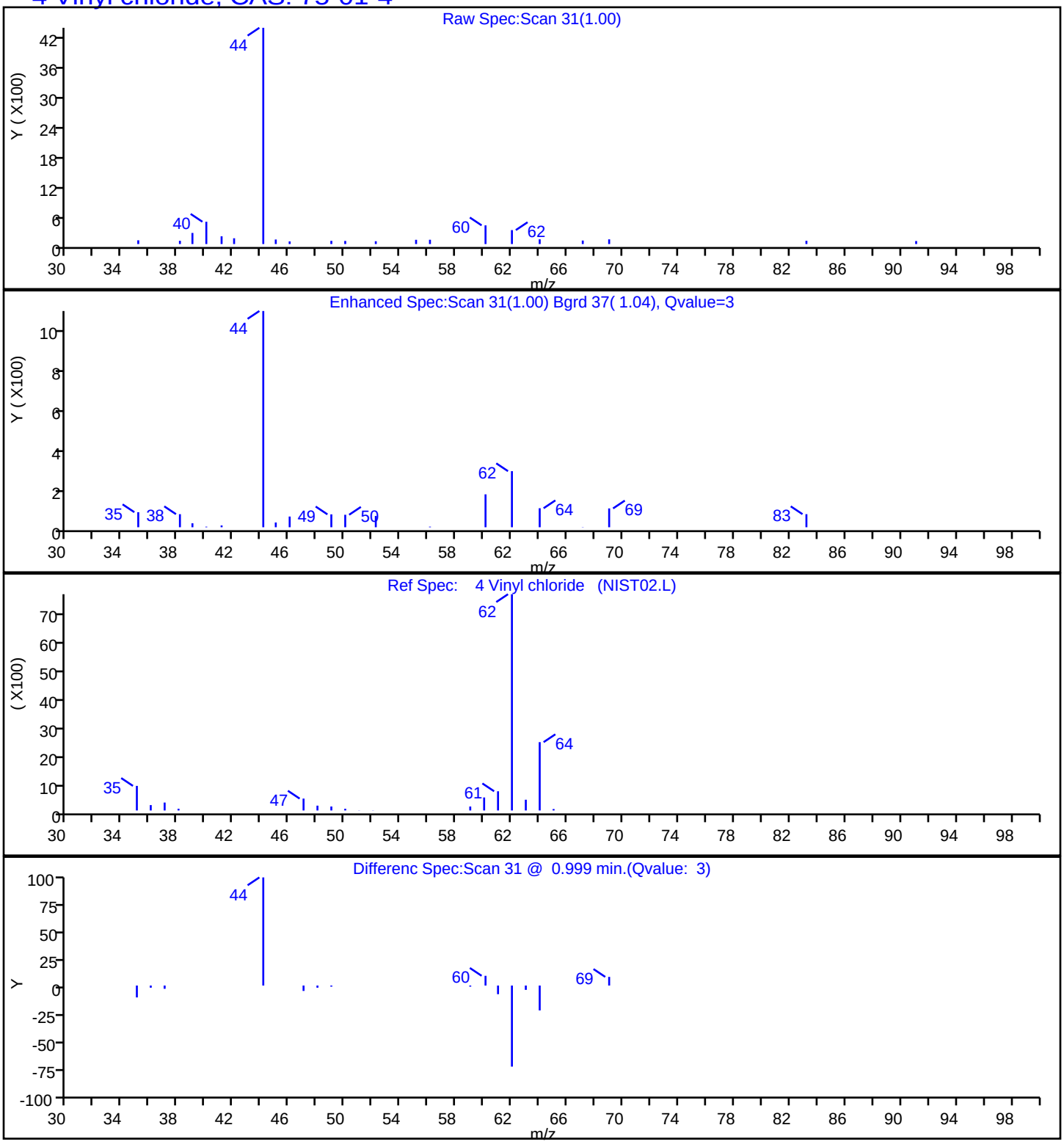
## 24 Acetone, CAS: 67-64-1



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51541.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 06:26:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | 460-165722-A-7 | Lab Sample ID: | 460-165722-7 | | |
| Client ID: | MW-36 | | | | |
| Operator ID: | | ALS Bottle#: | 26 | Worklist Smp#: | 27 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 4 Vinyl chloride, CAS: 75-01-4



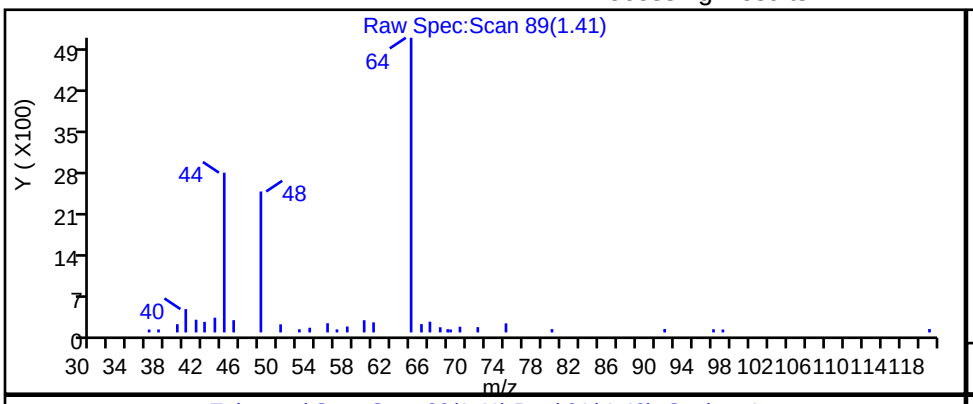
User Disabled Compound Report

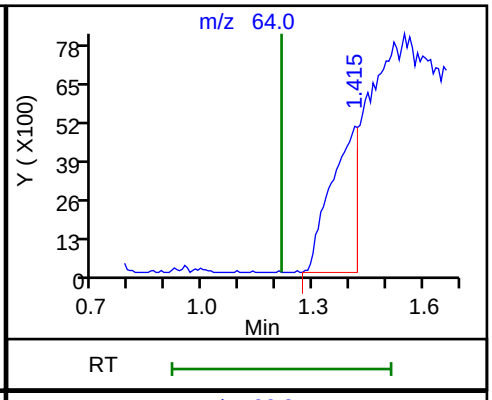
TestAmerica Edison

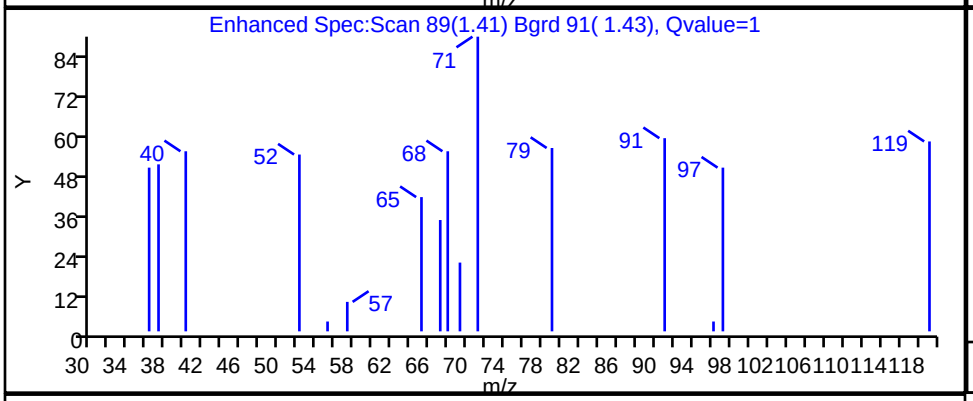
| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51541.D | | |
| Injection Date: | 08-Oct-2018 06:26:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-A-7 | Lab Sample ID: | 460-165722-7 |
| Client ID: | MW-36 | | |
| Operator ID: | | ALS Bottle#: | 26 Worklist Smp#: 27 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

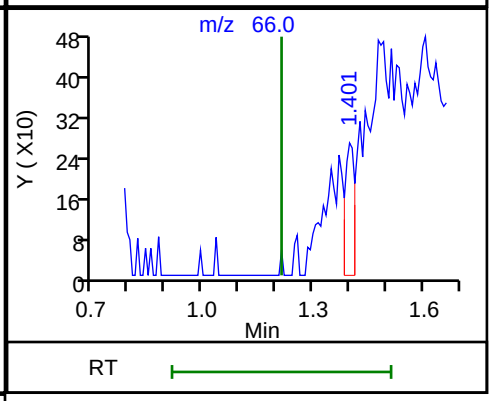
## 7 Chloroethane, CAS: 75-00-3

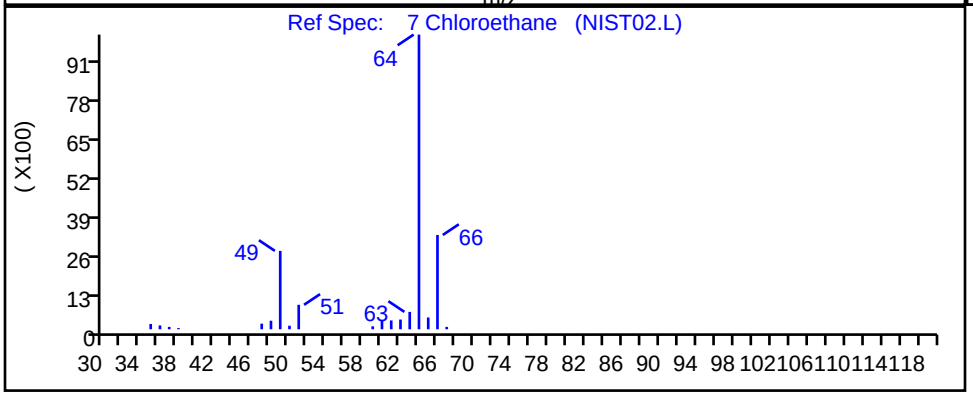
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.41 | 64.00 | 25244 | 13.019823 |
| 1.40 | 66.00 | 465 | |

Reviewer: desais, 08-Oct-2018 10:31:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-54 | Lab Sample ID: 460-165722-8

Matrix: Water | Lab File ID: P51540.D

Analysis Method: 8260C | Date Collected: 09/27/2018 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 06:01

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.30 | J | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 7.6 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Client Sample ID: MW-54 Lab Sample ID: 460-165722-8

Matrix: Water Lab File ID: P51540.D

Analysis Method: 8260C Date Collected: 09/27/2018 13:30

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2018 06:01

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.: 558208 Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 99 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 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.: 460-165722-1

SDG No.:

Client Sample ID: MW-54 | Lab Sample ID: 460-165722-8

Matrix: Water | Lab File ID: P51540.D

Analysis Method: 8260C | Date Collected: 09/27/2018 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 06:01

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.: 558208 | 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\CVOAMS13\20181007-79900.b\P51540.D
Lims ID: 460-165722-A-8
Client ID: MW-54
Sample Type: Client
Inject. Date: 08-Oct-2018 06:01:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-165722-A-8
Misc. Info.: 460-0079900-026
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:31:09

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 144378 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 97 | 85392 | 48.6 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 35 | 1073 | 0.2955 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 159072 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 105994 | 46.9 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 99 | 381843 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.516 | 4.516 | 0.000 | 0 | 15850 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 354982 | 48.3 | |
| 82 Tetrachloroethene | 166 | 5.655 | 5.655 | 0.000 | 95 | 19519 | 7.63 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 323520 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 91 | 112533 | 49.4 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 182296 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

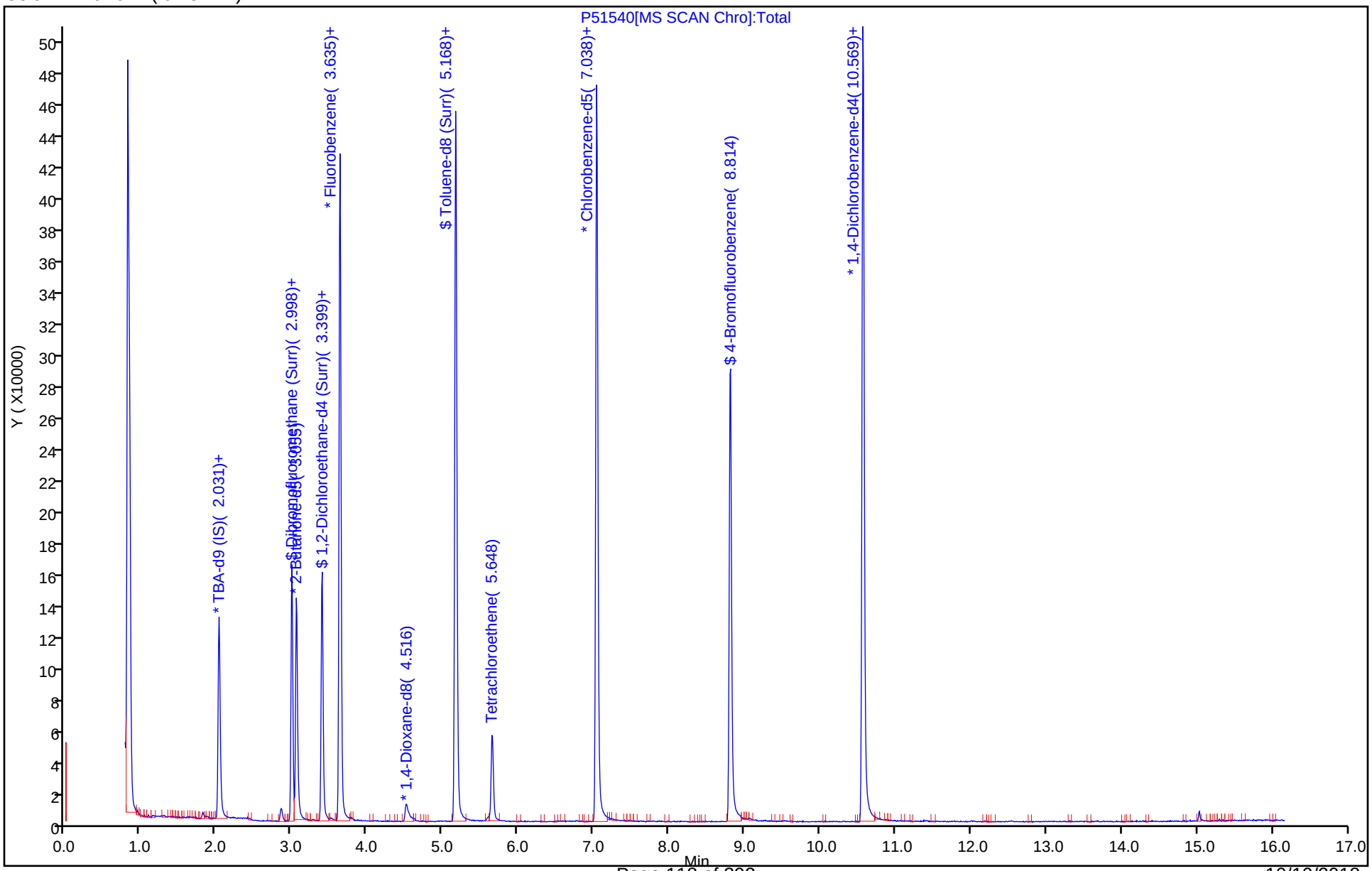
Report Date: 08-Oct-2018 18:50:31 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51540.D

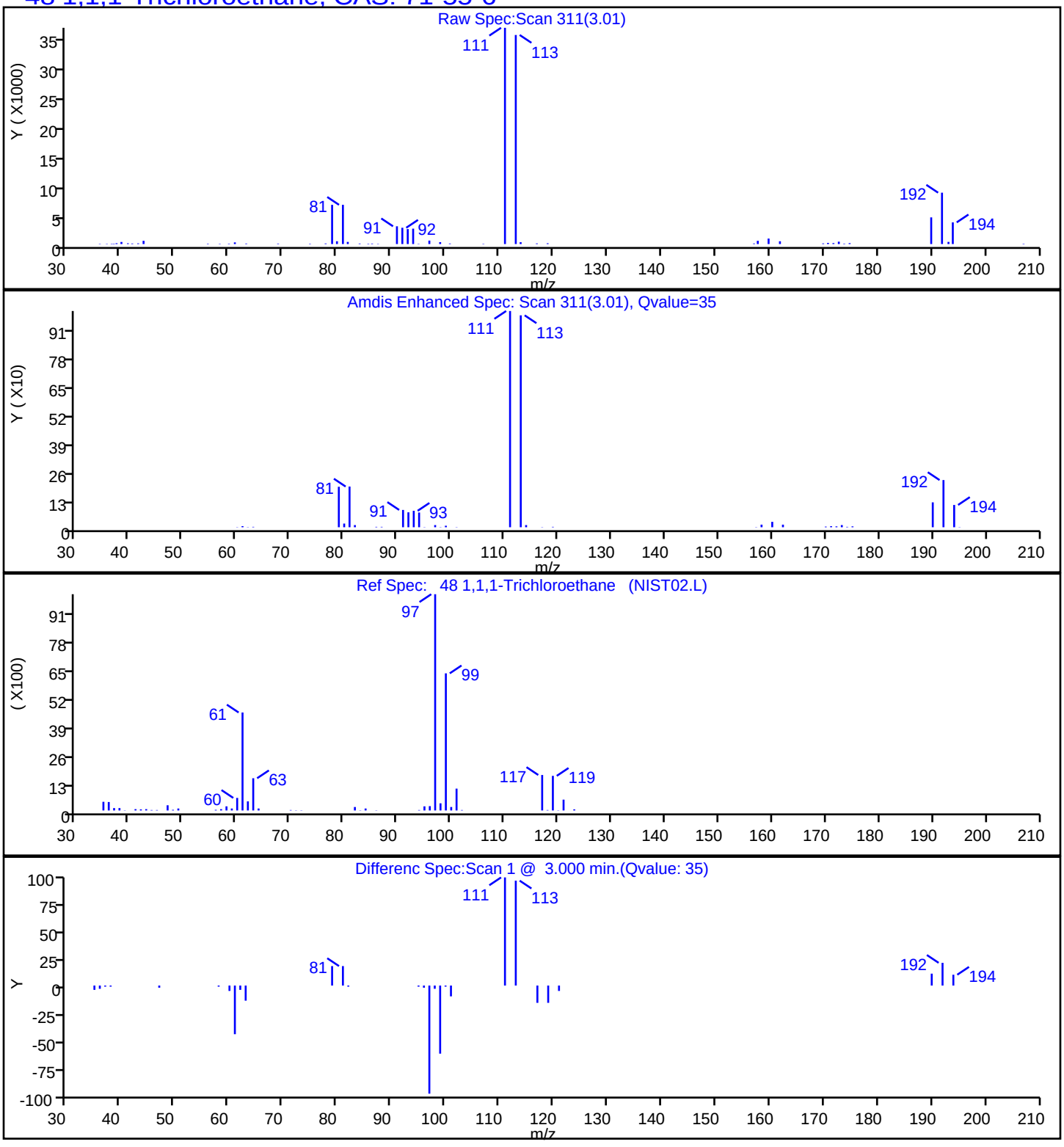
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 06:01:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-165722-A-8 | Lab Sample ID: | 460-165722-8 | Worklist Smp#: | 26 |
| Client ID: | MW-54 | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 25 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



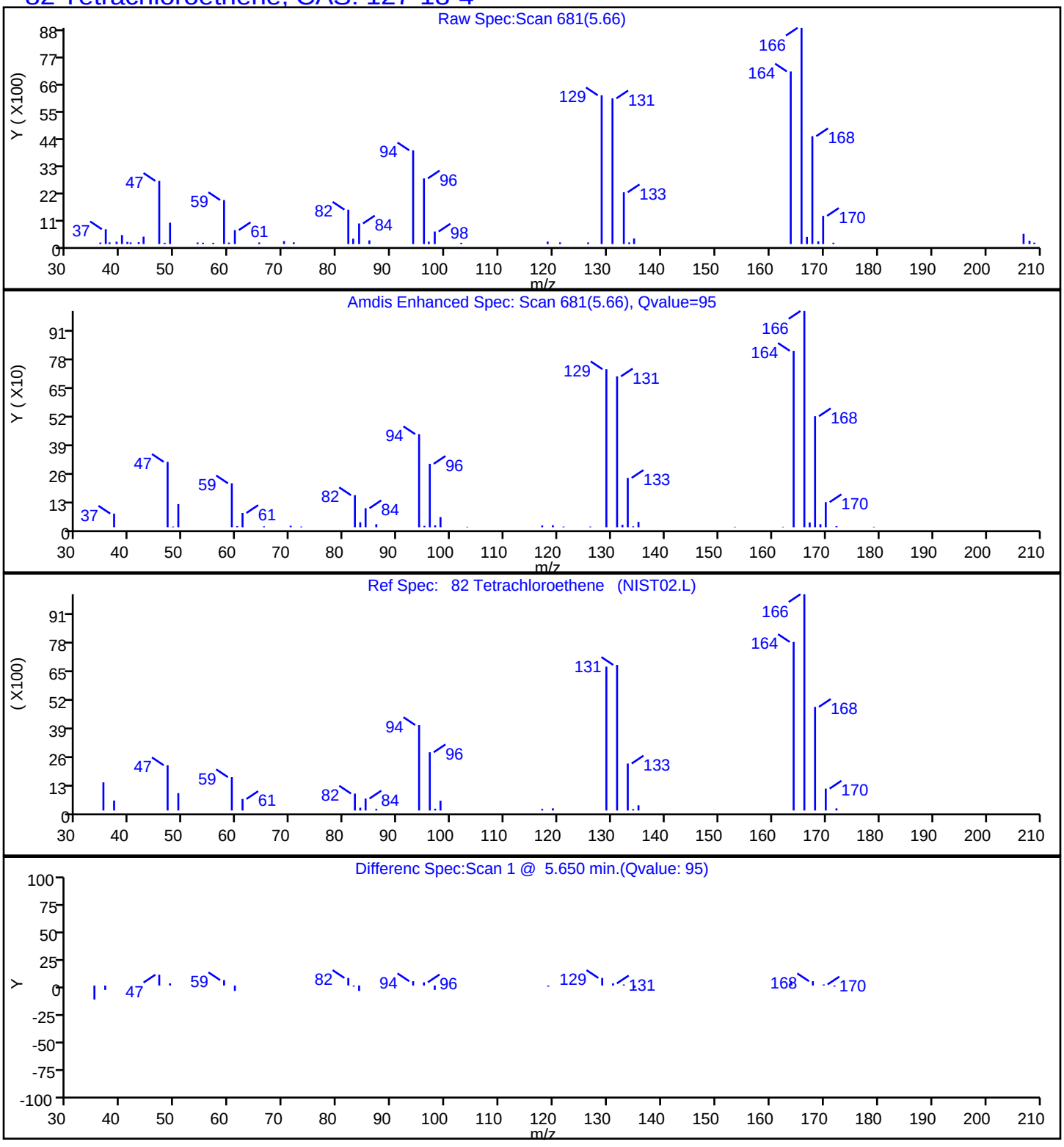
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51540.D
Injection Date: 08-Oct-2018 06:01:30 Instrument ID: CVOAMS13
Lims ID: 460-165722-A-8 Lab Sample ID: 460-165722-8
Client ID: MW-54
Operator ID: ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 48 1,1,1-Trichloroethane, CAS: 71-55-6



Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51540.D
Injection Date: 08-Oct-2018 06:01:30 Instrument ID: CVOAMS13
Lims ID: 460-165722-A-8 Lab Sample ID: 460-165722-8
Client ID: MW-54
Operator ID: ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 82 Tetrachloroethene, CAS: 127-18-4



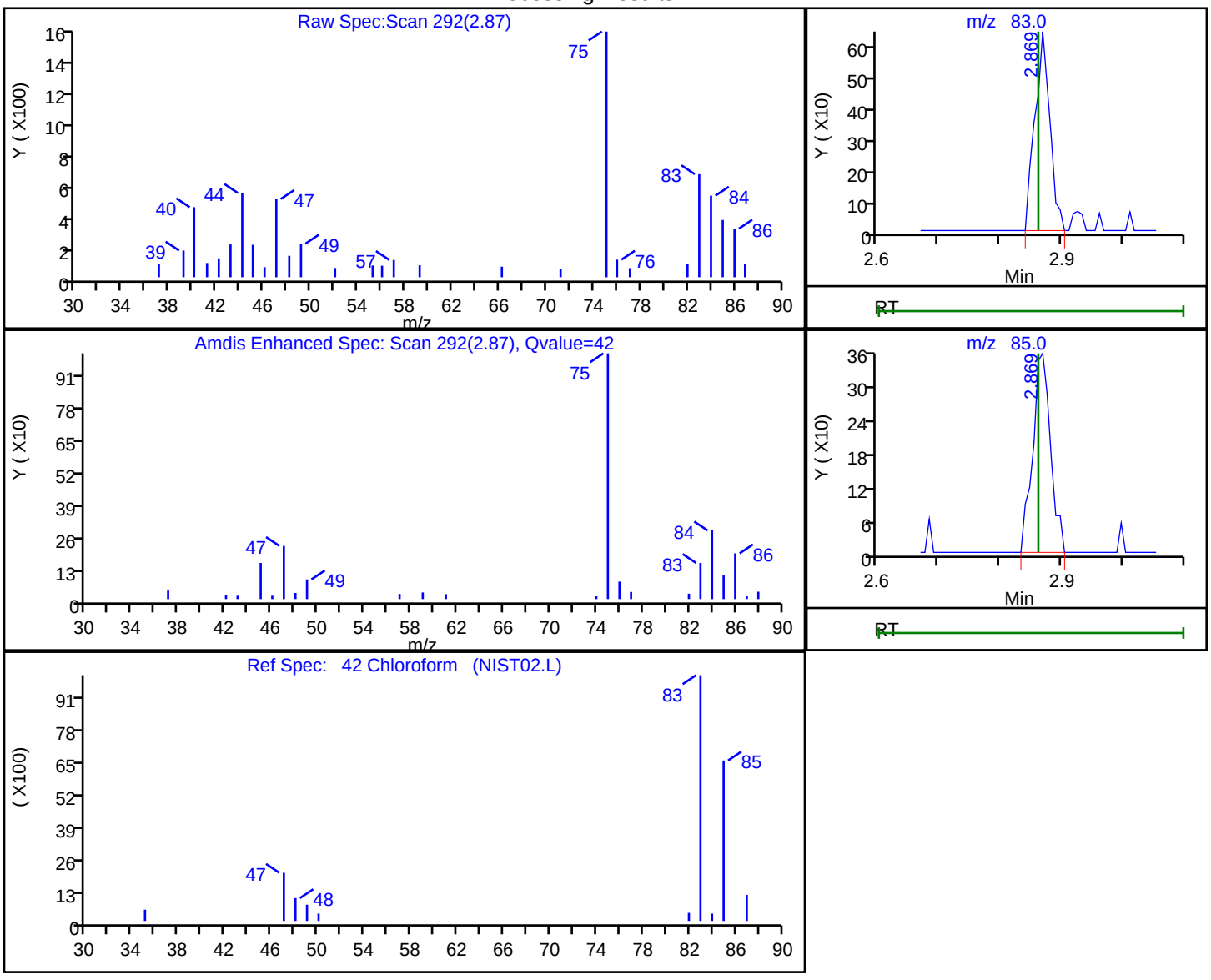
User Disabled Compound Report

TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51540.D | | |
| Injection Date: | 08-Oct-2018 06:01:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | 460-165722-A-8 | Lab Sample ID: | 460-165722-8 |
| Client ID: | MW-54 | | |
| Operator ID: | | ALS Bottle#: | 25 Worklist Smp#: 26 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 42 Chloroform, CAS: 67-66-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.87 | 83.00 | 1100 | 0.260364 |
| 2.87 | 85.00 | 726 | |

Reviewer: xuyvo, 08-Oct-2018 18:46:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

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

Lab Name: TestAmerica Edison Job No.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8 460-557743/2 | P51403.D |
| Level 2 | STD05 460-557743/3 | P51404.D |
| Level 3 | STD1 460-557743/4 | P51405.D |
| Level 4 | STD5 460-557743/5 | P51406.D |
| Level 5 | STD20 460-557743/6 | P51407.D |
| Level 6 | STD50 460-557743/7 | P51408.D |
| Level 7 | STD200 460-557743/8 | P51409.D |
| Level 8 | STD500 460-557743/9 | P51410.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Chlorotrifluoroethene | +++++<br>0.0979 | 0.1320<br>0.0839 | 0.1314<br>0.1336 | 0.1108 | 0.1094 | Ave | | 0.1142 | | | | 16.8 | | 20.0 | | | |
| Dichlorodifluoromethane | +++++<br>0.2209 | 0.3476<br>0.3003 | 0.3783<br>0.3263 | 0.3149 | 0.2558 | Ave | | 0.3063 | | | 0.1000 | 17.5 | | 20.0 | | | |
| Chloromethane | +++++<br>0.2889 | 0.3252<br>0.3274 | 0.2866<br>+++++ | 0.2923 | 0.2898 | Ave | | 0.3017 | | | 0.1000 | 6.3 | | 20.0 | | | |
| Vinyl chloride | +++++<br>0.2980 | 0.2824<br>0.3400 | 0.3390<br>0.3428 | 0.3266 | 0.3103 | Ave | | 0.3199 | | | 0.1000 | 7.3 | | 20.0 | | | |
| Butadiene | +++++<br>0.2357 | 0.2515<br>0.2937 | 0.2872<br>0.3009 | 0.2784 | 0.2364 | Ave | | 0.2691 | | | | 10.2 | | 20.0 | | | |
| Bromomethane | +++++<br>2.9749 | 3.1317<br>3.3674 | 3.1709<br>2.8361 | 2.7967 | 2.9014 | Ave | | 3.0256 | | | 0.1000 | 6.8 | | 20.0 | | | |
| Chloroethane | +++++<br>0.2471 | 0.3290<br>0.2495 | 0.2320<br>0.2489 | 0.2288 | 0.2347 | Lin2 | 0.0358 | 0.2361 | | | 0.1000 | | | | 0.9900 | | 0.9900 |
| Pentane | +++++<br>2.0082 | 3.2684<br>2.4482 | 2.6188<br>1.9614 | 2.1354 | 2.2103 | Lin2 | 1.1141 | 2.1179 | | | | | | | 0.9930 | | 0.9900 |
| Trichlorofluoromethane | +++++<br>0.3954 | 0.3671<br>0.4274 | 0.4364<br>0.4492 | 0.4246 | 0.4003 | Ave | | 0.4144 | | | 0.1000 | 6.8 | | 20.0 | | | |
| Dichlorofluoromethane | +++++<br>0.5863 | 0.5487<br>0.5701 | 0.5837<br>0.5967 | 0.5634 | 0.5872 | Ave | | 0.5766 | | | | 2.9 | | 20.0 | | | |
| 2-Methyl-1,3-butadiene | +++++<br>0.3484 | 0.4796<br>0.3790 | 0.3861<br>0.3989 | 0.3973 | 0.3580 | Ave | | 0.3925 | | | | 10.9 | | 20.0 | | | |
| Ethyl ether | +++++<br>0.2437 | 0.2594<br>0.2640 | 0.2502<br>0.2878 | 0.2428 | 0.2430 | Ave | | 0.2559 | | | | 6.4 | | 20.0 | | | |
| Ethanol | +++++<br>0.0596 | 0.0770<br>0.0580 | 0.1189<br>0.0613 | 0.0429 | 0.0649 | QuaF | | 0.0563 | 0.0000002 | | | | | | 1.0000 | | 0.9900 |
| 1,2-Dichloro-1,1,2-trifluoroethane | +++++<br>0.3445 | 0.4547<br>0.3153 | 0.4051<br>0.3902 | 0.3536 | 0.3458 | Ave | | 0.3727 | | | | 12.6 | | 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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,1-Dichloroethene | +++++<br>0.2544 | 0.3210<br>0.2432 | 0.2404<br>0.3070 | 0.2733 | 0.2621 | Ave | | 0.2716 | | | 0.1000 | 11.5 | | 20.0 | | | |
| Carbon disulfide | +++++<br>0.8945 | 1.1316<br>0.8854 | 0.9507<br>1.0958 | 0.8869 | 0.9056 | Ave | | 0.9644 | | | 0.1000 | 10.9 | | 20.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | +++++<br>0.2201 | 0.2517<br>0.1805 | 0.2524<br>0.2874 | 0.2575 | 0.2439 | Ave | | 0.2419 | | | 0.1000 | 13.9 | | 20.0 | | | |
| Iodomethane | +++++<br>0.4433 | 0.3898<br>0.4790 | 0.3888<br>0.4927 | 0.4167 | 0.4391 | Ave | | 0.4356 | | | | 9.3 | | 20.0 | | | |
| Cyclopentene | +++++<br>0.6416 | 0.7445<br>0.6667 | 0.7303<br>0.6489 | 0.6864 | 0.6636 | Ave | | 0.6832 | | | | 5.8 | | 20.0 | | | |
| Acrolein | +++++<br>1.1295 | 2.1281<br>1.2318 | 1.3482<br>1.3624 | 1.1484 | 1.1595 | Qua2 | 2.0669 | 1.0080 | 0.0009275 | | | | | | 0.9930 | | 0.9900 |
| Allyl chloride | +++++<br>0.1804 | 0.2011<br>0.1806 | 0.1930<br>0.1846 | 0.1838 | 0.1770 | Ave | | 0.1858 | | | | 4.5 | | 20.0 | | | |
| Isopropyl alcohol | +++++<br>0.7252 | 1.1825<br>0.6996 | 1.1859<br>0.6798 | 0.7153 | 0.7649 | QuaF | | 0.7163 | -0.000007 | | | | | | 1.0000 | | 0.9900 |
| Methylene Chloride | +++++<br>0.3149 | 0.4008<br>0.3296 | 0.4198<br>0.3434 | 0.3440 | 0.3206 | Ave | | 0.3533 | | | 0.1000 | 11.5 | | 20.0 | | | |
| Acetone | +++++<br>0.7284 | 1.4781<br>0.8020 | 1.1077<br>0.7604 | 0.7988 | 0.7645 | Qua2 | 1.8430 | 0.7393 | 0.0000147 | | 0.0500 | | | | 0.9990 | | 0.9900 |
| trans-1,2-Dichloroethene | +++++<br>0.3068 | 0.3112<br>0.3043 | 0.3116<br>0.3430 | 0.3199 | 0.3084 | Ave | | 0.3150 | | | 0.1000 | 4.2 | | 20.0 | | | |
| Methyl acetate | +++++<br>0.1741 | 0.1660<br>0.1652 | 0.1793<br>0.1470 | 0.1751 | 0.1770 | Ave | | 0.1691 | | | 0.1000 | 6.6 | | 20.0 | | | |
| Hexane | +++++<br>0.0540 | 0.0688<br>0.0476 | 0.0567<br>0.0757 | 0.0703 | 0.0629 | Ave | | 0.0623 | | | | 16.1 | | 20.0 | | | |
| Methyl tert-butyl ether | +++++<br>0.9042 | 0.8645<br>0.9347 | 0.8825<br>1.0045 | 0.9005 | 0.9066 | Ave | | 0.9139 | | | 0.1000 | 5.0 | | 20.0 | | | |
| 2-Methyl-2-propanol | +++++<br>1.2363 | 1.8855<br>1.2419 | 1.5473<br>1.1968 | 1.2991 | 1.2543 | Qua2 | 3.2095 | 1.2378 | -0.000007 | | | | | | 1.0000 | | 0.9900 |
| Acetonitrile | +++++<br>1.3951 | 1.9335<br>1.4237 | 1.3814<br>1.2874 | 1.6035 | 1.3903 | Ave | | 1.4878 | | | | 14.7 | | 20.0 | | | |
| Isopropyl ether | +++++<br>1.0078 | 1.0371<br>1.0291 | 1.1352<br>1.0470 | 1.0235 | 1.0339 | Ave | | 1.0448 | | | | 4.0 | | 20.0 | | | |
| 2-Chloro-1,3-butadiene | +++++<br>0.2707 | 0.2600<br>0.2649 | 0.2856<br>0.2804 | 0.2858 | 0.2788 | Ave | | 0.2752 | | | | 3.7 | | 20.0 | | | |
| 1,1-Dichloroethane | +++++<br>0.5735 | 0.5648<br>0.5887 | 0.5789<br>0.6426 | 0.5758 | 0.5843 | Ave | | 0.5869 | | | 0.2000 | 4.4 | | 20.0 | | | |
| Acrylonitrile | 0.1336<br>0.0899 | 0.0858<br>0.0955 | 0.0891<br>0.1069 | 0.0937 | 0.0933 | Qua2 | 0.0810 | 0.0859 | 0.0000044 | | | | | | 0.9910 | | 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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Tert-butyl ethyl ether | +++++<br>1.0063 | 0.9571<br>1.0495 | 0.9016<br>1.0565 | 0.9550 | 1.0171 | Ave | | 0.9919 | | | | 5.7 | | 20.0 | | | |
| Vinyl acetate | +++++<br>0.5468 | 0.4060<br>0.6040 | 0.5529<br>0.7327 | 0.5388 | 0.5951 | Ave | | 0.5680 | | | | 17.1 | | 20.0 | | | |
| cis-1,2-Dichloroethene | +++++<br>0.3324 | 0.3660<br>0.3538 | 0.3486<br>0.3615 | 0.3450 | 0.3330 | Ave | | 0.3486 | | | 0.1000 | 3.7 | | 20.0 | | | |
| 2,2-Dichloropropane | +++++<br>0.4353 | 0.5248<br>0.4061 | 0.4753<br>0.4546 | 0.4484 | 0.4423 | Ave | | 0.4553 | | | | 8.2 | | 20.0 | | | |
| Cyclohexane | +++++<br>0.4205 | 0.4698<br>0.3591 | 0.4988<br>0.5054 | 0.4673 | 0.4553 | Ave | | 0.4537 | | | 0.1000 | 11.1 | | 20.0 | | | |
| Chlorobromomethane | +++++<br>0.1541 | 0.1693<br>0.1664 | 0.1534<br>0.1681 | 0.1534 | 0.1563 | Ave | | 0.1601 | | | | 4.6 | | 20.0 | | | |
| Chloroform | +++++<br>0.5436 | 0.5651<br>0.5535 | 0.5430<br>0.5742 | 0.5478 | 0.5454 | Ave | | 0.5532 | | | 0.2000 | 2.2 | | 20.0 | | | |
| Carbon tetrachloride | +++++<br>0.3563 | 0.3706<br>0.3343 | 0.3800<br>0.4053 | 0.3680 | 0.3588 | Ave | | 0.3676 | | | 0.1000 | 6.0 | | 20.0 | | | |
| Ethyl acetate | +++++<br>0.3580 | 0.3280<br>0.3520 | 0.4222<br>0.3835 | 0.3680 | 0.3576 | Ave | | 0.3671 | | | | 8.1 | | 20.0 | | | |
| Methyl acrylate | +++++<br>0.2336 | 0.2794<br>0.2392 | 0.2594<br>0.2573 | 0.2262 | 0.2416 | Ave | | 0.2481 | | | | 7.4 | | 20.0 | | | |
| Tetrahydrofuran | +++++<br>1.0897 | 1.1794<br>1.1732 | 1.0164<br>1.2244 | 1.0879 | 1.0759 | Ave | | 1.1210 | | | | 6.5 | | 20.0 | | | |
| 1,1,1-Trichloroethane | +++++<br>0.4516 | 0.5117<br>0.4284 | 0.5285<br>0.4839 | 0.4678 | 0.4561 | Ave | | 0.4754 | | | 0.1000 | 7.4 | | 20.0 | | | |
| 2-Butanone | +++++<br>0.3573 | 0.3467<br>0.3946 | 0.3612<br>0.4097 | 0.3732 | 0.3596 | Ave | | 0.3718 | | | 0.0500 | 6.1 | | 20.0 | | | |
| 1,1-Dichloropropene | +++++<br>0.4088 | 0.5583<br>0.3810 | 0.5013<br>0.4468 | 0.4285 | 0.4239 | Ave | | 0.4498 | | | | 13.4 | | 20.0 | | | |
| 2,2,4-Trimethylpentane | +++++<br>0.6762 | 1.0152<br>0.7421 | 0.9305<br>0.6204 | 0.8605 | 0.7658 | Ave | | 0.8015 | | | | 17.6 | | 20.0 | | | |
| n-Heptane | +++++<br>0.1613 | 0.2153<br>0.1599 | 0.1966<br>0.2283 | 0.1855 | 0.1862 | Ave | | 0.1904 | | | | 13.4 | | 20.0 | | | |
| Benzene | +++++<br>1.5152 | 1.5925<br>1.5489 | 1.4741<br>1.6575 | 1.4843 | 1.5481 | Ave | | 1.5458 | | | 0.5000 | 4.1 | | 20.0 | | | |
| Propionitrile | +++++<br>1.7830 | 1.5500<br>1.9017 | 1.7202<br>1.9321 | 1.7181 | 1.7474 | Ave | | 1.7646 | | | | 7.2 | | 20.0 | | | |
| Methacrylonitrile | +++++<br>0.1141 | 0.0992<br>0.1183 | 0.1108<br>0.1283 | 0.1085 | 0.1156 | Ave | | 0.1135 | | | | 7.9 | | 20.0 | | | |
| Tert-amyl methyl ether | +++++<br>0.9017 | 0.8933<br>0.9276 | 0.8887<br>0.9458 | 0.8985 | 0.9218 | Ave | | 0.9111 | | | | 2.3 | | 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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2-Dichloroethane | +++++<br>0.4324 | 0.5533<br>0.4517 | 0.4797<br>0.4625 | 0.4506 | 0.4410 | Ave | | 0.4673 | | | 0.1000 | 8.7 | | 20.0 | | | |
| Isobutyl alcohol | +++++<br>0.4829 | 0.6084<br>0.4947 | 0.4690<br>0.4922 | 0.4380 | 0.4766 | Ave | | 0.4945 | | | | 10.8 | | 20.0 | | | |
| Isopropyl acetate | +++++<br>0.5212 | 0.6251<br>0.5169 | 0.5858<br>0.5296 | 0.5097 | 0.5425 | Ave | | 0.5472 | | | | 7.8 | | 20.0 | | | |
| Methylcyclohexane | +++++<br>0.4360 | 0.5183<br>0.3782 | 0.5494<br>0.5380 | 0.5181 | 0.4737 | Ave | | 0.4874 | | | 0.1000 | 12.7 | | 20.0 | | | |
| Trichloroethene | +++++<br>0.3261 | 0.3309<br>0.3224 | 0.3401<br>0.3546 | 0.3239 | 0.3193 | Ave | | 0.3311 | | | 0.2000 | 3.8 | | 20.0 | | | |
| Dibromomethane | +++++<br>0.1896 | 0.1961<br>0.2036 | 0.1829<br>0.2108 | 0.1929 | 0.1918 | Ave | | 0.1954 | | | | 4.7 | | 20.0 | | | |
| n-Butanol | +++++<br>0.3142 | 0.3382<br>0.3108 | 0.2129<br>0.3072 | 0.2448 | 0.3055 | Ave | | 0.2905 | | | | 15.3 | | 20.0 | | | |
| 1,2-Dichloropropane | +++++<br>0.3182 | 0.3394<br>0.3296 | 0.3191<br>0.3378 | 0.3256 | 0.3250 | Ave | | 0.3278 | | | 0.1000 | 2.5 | | 20.0 | | | |
| Bromodichloromethane | +++++<br>0.4353 | 0.3994<br>0.4565 | 0.4141<br>0.4763 | 0.4229 | 0.4375 | Ave | | 0.4346 | | | 0.2000 | 6.0 | | 20.0 | | | |
| Ethyl acrylate | +++++<br>0.3498 | 0.3788<br>0.3536 | 0.2553<br>0.3735 | 0.3073 | 0.3495 | Ave | | 0.3383 | | | | 12.8 | | 20.0 | | | |
| Methyl methacrylate | +++++<br>0.0769 | 0.0638<br>0.0782 | 0.0669<br>0.0812 | 0.0763 | 0.0801 | Ave | | 0.0748 | | | | 9.0 | | 20.0 | | | |
| 1,4-Dioxane | +++++<br>1.3134 | 1.0538<br>1.3653 | 1.4325<br>1.3588 | 1.3196 | 1.3428 | Ave | | 1.3123 | | | | 9.2 | | 20.0 | | | |
| n-Propyl acetate | +++++<br>0.3684 | 0.3038<br>0.3630 | 0.3576<br>0.3730 | 0.3471 | 0.3672 | Ave | | 0.3543 | | | | 6.7 | | 20.0 | | | |
| 2-Chloroethyl vinyl ether | +++++<br>0.1947 | 0.1605<br>0.1971 | 0.1660<br>0.2025 | 0.1882 | 0.1978 | Ave | | 0.1867 | | | | 8.9 | | 20.0 | | | |
| cis-1,3-Dichloropropene | +++++<br>0.6104 | 0.5753<br>0.6360 | 0.5760<br>0.6475 | 0.5891 | 0.6096 | Ave | | 0.6063 | | | 0.2000 | 4.7 | | 20.0 | | | |
| Toluene | +++++<br>1.6725 | 1.7919<br>1.6513 | 1.7036<br>1.7424 | 1.6405 | 1.6911 | Ave | | 1.6990 | | | 0.4000 | 3.1 | | 20.0 | | | |
| Epichlorohydrin | 0.2972<br>0.5740 | 0.4611<br>0.2973 | 0.5087<br>0.3050 | 0.5289 | 0.5664 | QuaF | | 0.3372 | -0.000003 | | | | | | 0.9900 | | 0.9900 |
| 2-Nitropropane | +++++<br>0.0811 | +++++<br>0.0814 | 0.0818<br>0.0845 | 0.0835 | 0.0840 | Ave | | 0.0827 | | | | 1.8 | | 20.0 | | | |
| Tetrachloroethene | +++++<br>0.3834 | 0.4670<br>0.3569 | 0.3804<br>0.4070 | 0.3894 | 0.3840 | Ave | | 0.3954 | | | 0.2000 | 8.8 | | 20.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | +++++<br>2.8197 | 2.7135<br>2.9821 | 2.6947<br>3.0950 | 2.8066 | 2.8396 | Ave | | 2.8502 | | | 0.0500 | 5.0 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| trans-1,3-Dichloropropene | +++++<br>0.5682 | 0.4197<br>0.5928 | 0.4053<br>0.6097 | 0.5191 | 0.5642 | Ave | | 0.5256 | | | 0.1000 | 15.7 | | 20.0 | | | |
| 1,1,2-Trichloroethane | +++++<br>0.2701 | 0.3104<br>0.2774 | 0.2735<br>0.2842 | 0.2847 | 0.2700 | Ave | | 0.2815 | | | 0.1000 | 5.0 | | 20.0 | | | |
| Ethyl methacrylate | +++++<br>0.3788 | 0.3364<br>0.3904 | 0.3255<br>0.4043 | 0.3588 | 0.3697 | Ave | | 0.3663 | | | | 7.7 | | 20.0 | | | |
| Dibromochloromethane | +++++<br>0.3613 | 0.3173<br>0.3793 | 0.2856<br>0.3868 | 0.3262 | 0.3492 | Ave | | 0.3437 | | | 0.1000 | 10.5 | | 20.0 | | | |
| 1,3-Dichloropropane | +++++<br>0.5591 | 0.4806<br>0.5729 | 0.5205<br>0.5721 | 0.5454 | 0.5620 | Ave | | 0.5447 | | | | 6.2 | | 20.0 | | | |
| Ethylene Dibromide | +++++<br>0.3187 | 0.2786<br>0.3329 | 0.2525<br>0.3359 | 0.3095 | 0.3205 | Ave | | 0.3069 | | | 0.1000 | 10.0 | | 20.0 | | | |
| n-Butyl acetate | +++++<br>0.4950 | 0.4379<br>0.4847 | 0.4179<br>0.4871 | 0.4769 | 0.4914 | Ave | | 0.4701 | | | | 6.4 | | 20.0 | | | |
| 2-Hexanone | +++++<br>1.9240 | 1.6234<br>2.0549 | 1.7580<br>2.0768 | 1.8210 | 1.9625 | Ave | | 1.8887 | | | 0.0500 | 8.7 | | 20.0 | | | |
| Chlorobenzene | +++++<br>1.0389 | 1.1570<br>1.0419 | 1.0549<br>1.0871 | 1.0397 | 1.0449 | Ave | | 1.0663 | | | 0.5000 | 4.1 | | 20.0 | | | |
| Ethylbenzene | +++++<br>0.5856 | 0.6224<br>0.5759 | 0.5866<br>0.6397 | 0.5723 | 0.5840 | Ave | | 0.5952 | | | 0.1000 | 4.3 | | 20.0 | | | |
| 1,1,1,2-Tetrachloroethane | +++++<br>0.3652 | 0.2958<br>0.3747 | 0.3304<br>0.3941 | 0.3403 | 0.3553 | Ave | | 0.3508 | | | | 9.2 | | 20.0 | | | |
| m-Xylene & p-Xylene | +++++<br>0.7230 | 0.7426<br>0.7022 | 0.7395<br>0.7550 | 0.6857 | 0.7212 | Ave | | 0.7242 | | | 0.1000 | 3.3 | | 20.0 | | | |
| o-Xylene | +++++<br>0.7080 | 0.6707<br>0.7014 | 0.6827<br>0.7356 | 0.6759 | 0.7084 | Ave | | 0.6975 | | | 0.3000 | 3.3 | | 20.0 | | | |
| Bromoform | +++++<br>0.2236 | 0.1954<br>0.2453 | 0.1614<br>0.2620 | 0.2009 | 0.2170 | Ave | | 0.2151 | | | 0.1000 | 15.5 | | 20.0 | | | |
| Styrene | +++++<br>1.2195 | 0.9642<br>1.2478 | 0.9819<br>1.3027 | 1.1288 | 1.2127 | Ave | | 1.1511 | | | 0.3000 | 11.5 | | 20.0 | | | |
| n-Butyl acrylate | +++++<br>0.2665 | 0.2762<br>0.2667 | 0.1800<br>0.2745 | 0.2513 | 0.2604 | Ave | | 0.2537 | | | | 13.2 | | 20.0 | | | |
| Isopropylbenzene | +++++<br>1.8259 | 1.9115<br>1.7243 | 1.7984<br>1.9187 | 1.7693 | 1.8048 | Ave | | 1.8219 | | | 0.1000 | 3.9 | | 20.0 | | | |
| Amyl acetate (mixed isomers) | +++++<br>1.0953 | 0.9262<br>1.0548 | 1.0901<br>1.0863 | 1.0523 | 1.1139 | Ave | | 1.0598 | | | | 5.9 | | 20.0 | | | |
| Bromobenzene | +++++<br>0.8073 | 0.8185<br>0.8202 | 0.7433<br>0.8516 | 0.7884 | 0.8134 | Ave | | 0.8061 | | | | 4.2 | | 20.0 | | | |
| N-Propylbenzene | +++++<br>3.8468 | 3.7912<br>3.5976 | 3.8239<br>3.9593 | 3.8213 | 3.8751 | Ave | | 3.8165 | | | | 2.9 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | +++++<br>0.6507 | 0.9244<br>0.6720 | 0.6177<br>0.7326 | 0.6680 | 0.6721 | Qua2 | 0.1195 | 0.6247 | 0.0002225 | | 0.3000 | | | | 0.9900 | | 0.9900 |
| 2-Chlorotoluene | +++++<br>2.6665 | 2.6908<br>2.6519 | 2.5990<br>2.8818 | 2.6498 | 2.7037 | Ave | | 2.6919 | | | | 3.4 | | 20.0 | | | |
| 4-Ethyltoluene | +++++<br>3.2783 | 3.4767<br>3.1377 | 3.4214<br>3.2342 | 3.2069 | 3.2927 | Ave | | 3.2926 | | | | 3.6 | | 20.0 | | | |
| 1,2,3-Trichloropropane | +++++<br>0.1989 | 0.2341<br>0.1985 | 0.2102<br>0.2032 | 0.2253 | 0.1987 | Ave | | 0.2098 | | | | 6.9 | | 20.0 | | | |
| 1,3,5-Trimethylbenzene | +++++<br>2.7973 | 3.2486<br>2.6734 | 2.9594<br>2.8960 | 2.7681 | 2.8391 | Ave | | 2.8831 | | | | 6.4 | | 20.0 | | | |
| trans-1,4-Dichloro-2-butene | +++++<br>0.2160 | 0.3436<br>0.2223 | 0.2962<br>0.2385 | 0.1864 | 0.2090 | Qua2 | 0.0755 | 0.2000 | 0.0000827 | | | | | | 0.9930 | | 0.9900 |
| 4-Chlorotoluene | +++++<br>2.4646 | 2.3412<br>2.4183 | 2.2968<br>2.5450 | 2.2764 | 2.5024 | Ave | | 2.4064 | | | | 4.3 | | 20.0 | | | |
| tert-Butylbenzene | +++++<br>2.3098 | 2.4005<br>2.1283 | 2.3194<br>2.3784 | 2.3433 | 2.3141 | Ave | | 2.3134 | | | | 3.8 | | 20.0 | | | |
| Butyl Methacrylate | +++++<br>0.9971 | 0.9498<br>1.0221 | 0.8698<br>1.0818 | 0.9733 | 0.9867 | Ave | | 0.9829 | | | | 6.6 | | 20.0 | | | |
| 1,2,4-Trimethylbenzene | +++++<br>2.9020 | 3.0145<br>2.9014 | 2.8630<br>3.1410 | 2.8261 | 2.9456 | Ave | | 2.9419 | | | | 3.6 | | 20.0 | | | |
| sec-Butylbenzene | +++++<br>3.4510 | 4.0732<br>3.1893 | 3.5075<br>3.6182 | 3.4407 | 3.4998 | Ave | | 3.5399 | | | | 7.6 | | 20.0 | | | |
| 1,3-Dichlorobenzene | +++++<br>1.5586 | 1.5565<br>1.5958 | 1.4342<br>1.7040 | 1.5355 | 1.5631 | Ave | | 1.5640 | | | 0.6000 | 5.1 | | 20.0 | | | |
| 4-Isopropyltoluene | +++++<br>3.0033 | 3.2528<br>2.8573 | 2.9398<br>3.2585 | 2.9572 | 3.0189 | Ave | | 3.0411 | | | | 5.1 | | 20.0 | | | |
| 1,4-Dichlorobenzene | +++++<br>1.5900 | 1.8941<br>1.6101 | 1.6497<br>1.6690 | 1.6235 | 1.6149 | Ave | | 1.6645 | | | 0.5000 | 6.3 | | 20.0 | | | |
| 1,2,3-Trimethylbenzene | +++++<br>3.0178 | 3.2559<br>2.8919 | 2.8270<br>2.8912 | 2.9804 | 3.0753 | Ave | | 2.9914 | | | | 4.8 | | 20.0 | | | |
| Indan | +++++<br>2.9572 | 3.1802<br>2.8679 | 2.8916<br>2.8391 | 2.9168 | 3.0206 | Ave | | 2.9533 | | | | 3.9 | | 20.0 | | | |
| Benzyl chloride | +++++<br>0.2738 | 0.2722<br>0.2728 | 0.1712<br>0.2806 | 0.2623 | 0.2754 | Ave | | 0.2583 | | | | 15.0 | | 20.0 | | | |
| p-Diethylbenzene | +++++<br>1.6036 | 1.7646<br>1.5334 | 1.5354<br>1.5464 | 1.5449 | 1.5917 | Ave | | 1.5886 | | | | 5.2 | | 20.0 | | | |
| n-Butylbenzene | +++++<br>2.7619 | 2.9274<br>2.5787 | 2.6814<br>2.9136 | 2.7436 | 2.7686 | Ave | | 2.7679 | | | | 4.4 | | 20.0 | | | |
| 1,2-Dichlorobenzene | +++++<br>1.4980 | 1.4295<br>1.5283 | 1.3687<br>1.5757 | 1.4120 | 1.4886 | Ave | | 1.4715 | | | 0.4000 | 4.9 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2,4,5-Tetramethylbenzene | +++++<br>2.8448 | 2.8584<br>2.7629 | 2.8121<br>2.8513 | 2.7939 | 2.9013 | Ave | | 2.8321 | | | | 1.6 | | 20.0 | | | |
| 1,2-Dibromo-3-Chloropropane | +++++<br>0.1326 | 0.1162<br>0.1369 | 0.1107<br>0.1421 | 0.1314 | 0.1332 | Ave | | 0.1290 | | | 0.0500 | 8.8 | | 20.0 | | | |
| 1,3,5-Trichlorobenzene | +++++<br>1.1522 | 1.2607<br>1.1182 | 1.1109<br>1.1426 | 1.1329 | 1.1439 | Ave | | 1.1516 | | | | 4.4 | | 20.0 | | | |
| 1,2,4-Trichlorobenzene | +++++<br>1.0021 | 1.1464<br>1.0337 | 1.0064<br>1.1544 | 0.9425 | 0.9827 | Ave | | 1.0383 | | | 0.2000 | 7.8 | | 20.0 | | | |
| Hexachlorobutadiene | +++++<br>0.4426 | 0.4864<br>0.4222 | 0.4694<br>0.4940 | 0.4632 | 0.4413 | Ave | | 0.4599 | | | | 5.6 | | 20.0 | | | |
| Naphthalene | +++++<br>2.0310 | 2.2656<br>2.0379 | 2.0554<br>2.1888 | 1.9187 | 2.0254 | Ave | | 2.0747 | | | | 5.6 | | 20.0 | | | |
| 1,2,3-Trichlorobenzene | +++++<br>0.8613 | 0.9655<br>0.8692 | 0.8112<br>0.9618 | 0.8518 | 0.8639 | Ave | | 0.8835 | | | | 6.6 | | 20.0 | | | |
| Dibromofluoromethane (Surr) | 0.2257<br>0.2304 | 0.2256<br>0.2325 | 0.2298<br>0.2382 | 0.2302 | 0.2299 | Ave | | 0.2303 | | | | 1.7 | | 20.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.2815<br>0.2967 | 0.2863<br>0.3030 | 0.2913<br>0.3195 | 0.2977 | 0.2911 | Ave | | 0.2959 | | | | 3.9 | | 20.0 | | | |
| Toluene-d8 (Surr) | 1.1468<br>1.1410 | 1.1427<br>1.1219 | 1.1477<br>1.1014 | 1.1461 | 1.1377 | Ave | | 1.1357 | | | | 1.4 | | 20.0 | | | |
| Bromofluorobenzene | 0.3452<br>0.3588 | 0.3451<br>0.3576 | 0.3486<br>0.3552 | 0.3524 | 0.3551 | Ave | | 0.3523 | | | | 1.5 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Edison Job No.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8 460-557743/2 | P51403.D |
| Level 2 | STD05 460-557743/3 | P51404.D |
| Level 3 | STD1 460-557743/4 | P51405.D |
| Level 4 | STD5 460-557743/5 | P51406.D |
| Level 5 | STD20 460-557743/6 | P51407.D |
| Level 6 | STD50 460-557743/7 | P51408.D |
| Level 7 | STD200 460-557743/8 | P51409.D |
| Level 8 | STD500 460-557743/9 | P51410.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 | +++++<br>36261 | 482<br>128342 | 950<br>527337 | 3997 | 16013 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Dichlorodifluoromethane | FB | Ave | +++++<br>81802 | 1269<br>459301 | 2735<br>1287561 | 11363 | 37440 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Chloromethane | FB | Ave | +++++<br>106960 | 1187<br>500624 | 2072<br>+++++ | 10549 | 42422 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>+++++ | 5.00 | 20.0 |
| Vinyl chloride | FB | Ave | +++++<br>110316 | 1031<br>519883 | 2451<br>1352676 | 11786 | 45426 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Butadiene | FB | Ave | +++++<br>87251 | 918<br>449126 | 2076<br>1187481 | 10046 | 34608 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Bromomethane | BUT | Ave | +++++<br>98285 | 1017<br>443381 | 2084<br>990567 | 9199 | 38426 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Chloroethane | FB | Lin2 | +++++<br>91486 | 1201<br>381617 | 1677<br>982284 | 8257 | 34356 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Pentane | TBAd 9 | Lin2 | +++++<br>28488 | 450<br>139291 | 742<br>326268 | 3055 | 12735 | +++++<br>100 | 1.00<br>400 | 2.00<br>1000 | 10.0 | 40.0 |
| Trichlorofluoromethane | FB | Ave | +++++<br>146398 | 1340<br>653613 | 3155<br>1772733 | 15324 | 58604 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Dichlorofluoromethane | FB | Ave | +++++<br>217082 | 2003<br>871869 | 4220<br>2354862 | 20331 | 85963 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 2-Methyl-1,3-butadiene | FB | Ave | +++++<br>128983 | 1751<br>579623 | 2791<br>1574347 | 14336 | 52413 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Ethyl ether | FB | Ave | +++++<br>90208 | 947<br>403738 | 1809<br>1135852 | 8763 | 35572 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Ethanol | TBAd 9 | QuaF | +++++<br>16896 | 212<br>65952 | 674<br>204092 | 1228 | 7479 | +++++<br>2000 | 20.0<br>8000 | 40.0<br>20000 | 200 | 800 |
| 1,2-Dichloro-1,1,2-trifluoroethane | FB | Ave | +++++<br>127533 | 1660<br>482194 | 2929<br>1539777 | 12760 | 50616 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 1,1-Dichloroethene | FB | Ave | +++++<br>94171 | 1172<br>371959 | 1738<br>1211732 | 9863 | 38361 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| 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 | +++++ 331158 | 4131 1353951 | 6873 4324668 | 32005 | 132568 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | FB | Ave | +++++ 81471 | 919 276058 | 1825 1134270 | 9293 | 35703 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Iodomethane | FB | Ave | +++++ 164105 | 1423 732462 | 2811 1944350 | 15038 | 64272 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Cyclopentene | FB | Ave | +++++ 237544 | 2718 1019581 | 5280 2560955 | 24770 | 97138 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Acrolein | TBAd9 | Qua2 | +++++ 16022 | 586 35040 | 764 90650 | 3286 | 6681 | +++++ 100 | 2.00 200 | 4.00 400 | 20.0 | 40.0 |
| Allyl chloride | FB | Ave | +++++ 66775 | 734 276238 | 1395 728599 | 6632 | 25905 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Isopropyl alcohol | TBAd9 | QuaF | +++++ 51437 | 814 199029 | 1680 565443 | 5117 | 22036 | +++++ 500 | 5.00 2000 | 10.0 5000 | 50.0 | 200 |
| Methylene Chloride | FB | Ave | +++++ 116578 | 1463 504084 | 3035 1355307 | 12412 | 46926 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Acetone | BUT | Qua2 | +++++ 120328 | 2400 527978 | 3640 1327874 | 13137 | 50626 | +++++ 250 | 2.50 1000 | 5.00 2500 | 25.0 | 100 |
| trans-1,2-Dichloroethene | FB | Ave | +++++ 113584 | 1136 465299 | 2253 1353649 | 11545 | 45152 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Methyl acetate | FB | Ave | +++++ 128914 | 1212 505162 | 2593 1160463 | 12639 | 51822 | +++++ 100 | 1.00 400 | 2.00 1000 | 10.0 | 40.0 |
| Hexane | FB | Ave | +++++ 20010 | 251 72783 | 410 298919 | 2538 | 9205 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Methyl tert-butyl ether | FB | Ave | +++++ 334757 | 3156 1429376 | 6380 3964262 | 32497 | 132717 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 2-Methyl-2-propanol | TBAd9 | Qua2 | +++++ 87691 | 1298 353290 | 2192 995414 | 9293 | 36134 | +++++ 500 | 5.00 2000 | 10.0 5000 | 50.0 | 200 |
| Acetonitrile | TBAd9 | Ave | +++++ 98949 | 1331 405000 | 1957 1070729 | 11470 | 40053 | +++++ 500 | 5.00 2000 | 10.0 5000 | 50.0 | 200 |
| Isopropyl ether | FB | Ave | +++++ 373117 | 3786 1573744 | 8207 4132097 | 36934 | 151349 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 2-Chloro-1,3-butadiene | FB | Ave | +++++ 100223 | 949 405058 | 2065 1106485 | 10313 | 40816 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,1-Dichloroethane | FB | Ave | +++++ 212343 | 2062 900206 | 4185 2535892 | 20778 | 85528 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Acrylonitrile | FB | Qua2 | 2006 333005 | 3131 1461132 | 6443 4219037 | 33812 | 136593 | 2.00 500 | 5.00 2000 | 10.0 5000 | 50.0 | 200 |
| Tert-butyl ethyl ether | FB | Ave | +++++ 372565 | 3494 1604882 | 6518 4169400 | 34461 | 148895 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Vinyl acetate | FB | Ave | +++++ 404883 | 2964 1847251 | 7994 5783045 | 38886 | 174239 | +++++ 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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| cis-1,2-Dichloroethene | FB | Ave | +++++<br>123048 | 1336<br>540986 | 2520<br>1426640 | 12451 | 48747 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 2,2-Dichloropropane | FB | Ave | +++++<br>161160 | 1916<br>621047 | 3436<br>1794178 | 16180 | 64740 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Cyclohexane | FB | Ave | +++++<br>155680 | 1715<br>549124 | 3606<br>1994707 | 16863 | 66653 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Chlorobromomethane | FB | Ave | +++++<br>57050 | 618<br>254419 | 1109<br>663559 | 5536 | 22875 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Chloroform | FB | Ave | +++++<br>201248 | 2063<br>846374 | 3926<br>2265916 | 19767 | 79839 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Carbon tetrachloride | FB | Ave | +++++<br>131906 | 1353<br>511292 | 2747<br>1599489 | 13280 | 52529 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Ethyl acetate | BUT | Ave | +++++<br>23657 | 213<br>92696 | 555<br>267927 | 2421 | 9472 | +++++<br>100 | 1.00<br>400 | 2.00<br>1000 | 10.0 | 40.0 |
| Methyl acrylate | FB | Ave | +++++<br>86503 | 1020<br>365784 | 1875<br>1015531 | 8164 | 35363 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Tetrahydrofuran | BUT | Ave | +++++<br>72003 | 766<br>308941 | 1336<br>855314 | 7157 | 28498 | +++++<br>100 | 1.00<br>400 | 2.00<br>1000 | 10.0 | 40.0 |
| 1,1,1-Trichloroethane | FB | Ave | +++++<br>167214 | 1868<br>655072 | 3821<br>1909856 | 16880 | 66760 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 2-Butanone | BUT | Ave | +++++<br>59029 | 563<br>259759 | 1187<br>715516 | 6137 | 23811 | +++++<br>250 | 2.50<br>1000 | 5.00<br>2500 | 25.0 | 100 |
| 1,1-Dichloropropene | FB | Ave | +++++<br>151363 | 2038<br>582679 | 3624<br>1763316 | 15462 | 62048 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 2,2,4-Trimethylpentane | FB | Ave | +++++<br>250337 | 3706<br>1134810 | 6727<br>2448340 | 31053 | 112105 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| n-Heptane | FB | Ave | +++++<br>59732 | 786<br>244509 | 1421<br>900976 | 6694 | 27255 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Benzene | CBNZ d5 | Ave | +++++<br>467626 | 4808<br>1982819 | 8904<br>5536242 | 44713 | 189641 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Propionitrile | TBAd 9 | Ave | +++++<br>126462 | 1067<br>540983 | 2437<br>1606981 | 12290 | 50340 | +++++<br>500 | 5.00<br>2000 | 10.0<br>5000 | 50.0 | 200 |
| Methacrylonitrile | FB | Ave | +++++<br>422481 | 3622<br>1809355 | 8010<br>5062588 | 39152 | 169184 | +++++<br>500 | 5.00<br>2000 | 10.0<br>5000 | 50.0 | 200 |
| Tert-amyl methyl ether | FB | Ave | +++++<br>333846 | 3261<br>1418473 | 6425<br>3732582 | 32423 | 134944 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 1,2-Dichloroethane | FB | Ave | +++++<br>160097 | 2020<br>690822 | 3468<br>1825242 | 16262 | 64559 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Isobutyl alcohol | TBAd 9 | Ave | +++++<br>85627 | 1047<br>351804 | 1661<br>1023535 | 7833 | 34327 | +++++<br>1250 | 12.5<br>5000 | 25.0<br>12500 | 125 | 500 |
| Isopropyl acetate | FB | Ave | +++++<br>192951 | 2282<br>790452 | 4235<br>2089888 | 18393 | 79417 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Methylcyclohexane | FB | Ave | +++++<br>161417 | 1892<br>578306 | 3972<br>2123257 | 18697 | 69338 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Trichloroethene | FB | Ave | +++++<br>120733 | 1208<br>492955 | 2459<br>1399494 | 11690 | 46745 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Dibromomethane | FB | Ave | +++++<br>70180 | 716<br>311348 | 1322<br>831953 | 6962 | 28073 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| n-Butanol | TBAd9 | Ave | +++++<br>55719 | 582<br>221007 | 754<br>638749 | 4377 | 22000 | +++++<br>1250 | 12.5<br>5000 | 25.0<br>12500 | 125 | 500 |
| 1,2-Dichloropropane | FB | Ave | +++++<br>117822 | 1239<br>504057 | 2307<br>1333135 | 11748 | 47576 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Bromodichloromethane | FB | Ave | +++++<br>161162 | 1458<br>698086 | 2994<br>1879618 | 15261 | 64037 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Ethyl acrylate | FB | Ave | +++++<br>129501 | 1383<br>540669 | 1846<br>1473842 | 11091 | 51166 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Methyl methacrylate | FB | Ave | +++++<br>56970 | 466<br>239038 | 967<br>641163 | 5507 | 23439 | +++++<br>100 | 1.00<br>400 | 2.00<br>1000 | 10.0 | 40.0 |
| 1,4-Dioxane | DXE | Ave | +++++<br>19209 | 362<br>76953 | 989<br>217700 | 1700 | 7713 | +++++<br>1000 | 25.0<br>4000 | 50.0<br>10000 | 100 | 400 |
| n-Propyl acetate | FB | Ave | +++++<br>136409 | 1109<br>555110 | 2585<br>1472148 | 12526 | 53747 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 2-Chloroethyl vinyl ether | FB | Ave | +++++<br>72094 | 586<br>301405 | 1200<br>799354 | 6792 | 28960 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| cis-1,3-Dichloropropene | CBNZ d5 | Ave | +++++<br>188399 | 1737<br>814167 | 3479<br>2162841 | 17746 | 74669 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Toluene | CBNZ d5 | Ave | +++++<br>516174 | 5410<br>2113864 | 10290<br>5819922 | 49418 | 207158 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Epichlorohydrin | BUT | QuaF | 946<br>379247 | 2995<br>782917 | 6687<br>2130372 | 34791 | 150036 | 5.00<br>1000 | 10.0<br>4000 | 20.0<br>10000 | 100 | 400 |
| 2-Nitropropane | FB | Ave | +++++<br>60043 | +++++<br>248910 | 1183<br>666806 | 6029 | 24584 | +++++<br>100 | +++++<br>400 | 2.00<br>1000 | 10.0 | 40.0 |
| Tetrachloroethene | CBNZ d5 | Ave | +++++<br>118329 | 1410<br>456870 | 2298<br>1359330 | 11730 | 47036 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 4-Methyl-2-pentanone (MIBK) | BUT | Ave | +++++<br>465792 | 4406<br>1963270 | 8855<br>5405081 | 46158 | 188036 | +++++<br>250 | 2.50<br>1000 | 5.00<br>2500 | 25.0 | 100 |
| trans-1,3-Dichloropropene | CBNZ d5 | Ave | +++++<br>175351 | 1267<br>758822 | 2448<br>2036583 | 15637 | 69118 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 1,1,2-Trichloroethane | CBNZ d5 | Ave | +++++<br>83377 | 937<br>355166 | 1652<br>949437 | 8575 | 33078 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Ethyl methacrylate | FB | Ave | +++++<br>140244 | 1228<br>597036 | 2353<br>1595444 | 12948 | 54115 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Dibromochloromethane | CBNZ d5 | Ave | +++++<br>111498 | 958<br>485603 | 1725<br>1292074 | 9827 | 42776 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,3-Dichloropropane | CBNZ d5 | Ave | +++++<br>172549 | 1451<br>733387 | 3144<br>1910853 | 16429 | 68848 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Ethylene Dibromide | CBNZ d5 | Ave | +++++<br>98352 | 841<br>426141 | 1525<br>1122050 | 9324 | 39264 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| n-Butyl acetate | CBNZ d5 | Ave | +++++<br>152761 | 1322<br>620454 | 2524<br>1626998 | 14366 | 60198 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 2-Hexanone | BUT | Ave | +++++<br>317823 | 2636<br>1352871 | 5777<br>3626863 | 29949 | 129956 | +++++<br>250 | 2.50<br>1000 | 5.00<br>2500 | 25.0 | 100 |
| Chlorobenzene | CBNZ d5 | Ave | +++++<br>320627 | 3493<br>1333765 | 6372<br>3631236 | 31319 | 127994 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Ethylbenzene | CBNZ d5 | Ave | +++++<br>180737 | 1879<br>737182 | 3543<br>2136687 | 17239 | 71534 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 1,1,1,2-Tetrachloroethane | CBNZ d5 | Ave | +++++<br>112726 | 893<br>479672 | 1996<br>1316464 | 10250 | 43522 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| m-Xylene & p-Xylene | CBNZ d5 | Ave | +++++<br>223150 | 2242<br>898924 | 4467<br>2521965 | 20656 | 88351 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| o-Xylene | CBNZ d5 | Ave | +++++<br>218515 | 2025<br>897885 | 4124<br>2457042 | 20361 | 86777 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Bromoform | CBNZ d5 | Ave | +++++<br>69016 | 590<br>314051 | 975<br>875191 | 6053 | 26580 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Styrene | CBNZ d5 | Ave | +++++<br>376376 | 2911<br>1597369 | 5931<br>4351358 | 34004 | 148550 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| n-Butyl acrylate | CBNZ d5 | Ave | +++++<br>82237 | 834<br>341442 | 1087<br>916854 | 7569 | 31900 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Isopropylbenzene | CBNZ d5 | Ave | +++++<br>563525 | 5771<br>2207279 | 10863<br>6408869 | 53298 | 221086 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Amyl acetate (mixed isomers) | DCBd 4 | Ave | +++++<br>194112 | 1531<br>781892 | 3662<br>2104300 | 17648 | 77454 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Bromobenzene | DCBd 4 | Ave | +++++<br>143072 | 1353<br>607945 | 2497<br>1649568 | 13223 | 56563 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| N-Propylbenzene | DCBd 4 | Ave | +++++<br>681753 | 6267<br>2666726 | 12846<br>7669584 | 64088 | 269452 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 1,1,2,2-Tetrachloroethane | DCBd 4 | Qua2 | +++++<br>115325 | 1528<br>498109 | 2075<br>1419163 | 11204 | 46733 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 2-Chlorotoluene | DCBd 4 | Ave | +++++<br>472572 | 4448<br>1965718 | 8731<br>5582306 | 44441 | 187998 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 4-Ethyltoluene | DCBd 4 | Ave | +++++<br>581008 | 5747<br>2325840 | 11494<br>6264906 | 53784 | 228959 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 1,2,3-Trichloropropane | DCBd 4 | Ave | +++++<br>35244 | 387<br>147112 | 706<br>393627 | 3779 | 13820 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| 1,3,5-Trimethylbenzene | DCBd 4 | Ave | +++++<br>495756 | 5370<br>1981653 | 9942<br>5609806 | 46425 | 197415 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| 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 | Qua2 | +++++ 38276 | 568 164796 | 995 461971 | 3127 | 14533 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 4-Chlorotoluene | DCBd 4 | Ave | +++++ 436793 | 3870 1792542 | 7716 4929847 | 38178 | 174005 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| tert-Butylbenzene | DCBd 4 | Ave | +++++ 409367 | 3968 1577562 | 7792 4607281 | 39301 | 160909 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Butyl Methacrylate | DCBd 4 | Ave | +++++ 176719 | 1570 757633 | 2922 2095556 | 16323 | 68609 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,2,4-Trimethylbenzene | DCBd 4 | Ave | +++++ 514312 | 4983 2150635 | 9618 6084442 | 47397 | 204819 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| sec-Butylbenzene | DCBd 4 | Ave | +++++ 611615 | 6733 2364077 | 11783 7008826 | 57705 | 243358 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,3-Dichlorobenzene | DCBd 4 | Ave | +++++ 276232 | 2573 1182859 | 4818 3300892 | 25753 | 108693 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 4-Isopropyltoluene | DCBd 4 | Ave | +++++ 532273 | 5377 2117994 | 9876 6312082 | 49596 | 209916 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,4-Dichlorobenzene | DCBd 4 | Ave | +++++ 281785 | 3131 1193477 | 5542 3232930 | 27228 | 112290 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,2,3-Trimethylbenzene | DCBd 4 | Ave | +++++ 534839 | 5382 2143619 | 9497 5600587 | 49986 | 213839 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Indan | DCBd 4 | Ave | +++++ 524105 | 5257 2125808 | 9714 5499577 | 48919 | 210034 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Benzyl chloride | DCBd 4 | Ave | +++++ 48517 | 450 202201 | 575 543599 | 4399 | 19153 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| p-Diethylbenzene | DCBd 4 | Ave | +++++ 284207 | 2917 1136663 | 5158 2995554 | 25910 | 110680 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| n-Butylbenzene | DCBd 4 | Ave | +++++ 489478 | 4839 1911424 | 9008 5643902 | 46013 | 192517 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,2-Dichlorobenzene | DCBd 4 | Ave | +++++ 265481 | 2363 1132865 | 4598 3052328 | 23681 | 103510 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,2,4,5-Tetramethylbenzene | DCBd 4 | Ave | +++++ 504180 | 4725 2047999 | 9447 5523257 | 46857 | 201742 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | DCBd 4 | Ave | +++++ 23504 | 192 101489 | 372 275288 | 2203 | 9262 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,3,5-Trichlorobenzene | DCBd 4 | Ave | +++++ 204209 | 2084 828845 | 3732 2213251 | 19001 | 79538 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| 1,2,4-Trichlorobenzene | DCBd 4 | Ave | +++++ 177601 | 1895 766245 | 3381 2236256 | 15807 | 68331 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Hexachlorobutadiene | DCBd 4 | Ave | +++++ 78448 | 804 312930 | 1577 956941 | 7769 | 30689 | +++++ 50.0 | 0.500 200 | 1.00 500 | 5.00 | 20.0 |
| Naphthalene | DCBd 4 | Ave | +++++ 359956 | 3745 1510613 | 6905 4239996 | 32179 | 140836 | +++++ 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.: 460-165722-1 Analy Batch No.: 557743

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2018 18:07 Calibration End Date: 10/05/2018 21:11 Calibration ID: 71476

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,2,3-Trichlorobenzene | DCBd 4 | Ave | +++++<br>152644 | 1596<br>644278 | 2725<br>1863176 | 14285 | 60071 | +++++<br>50.0 | 0.500<br>200 | 1.00<br>500 | 5.00 | 20.0 |
| Dibromofluoromethane (Surr) | FB | Ave | 84752<br>85313 | 82375<br>88903 | 83074<br>93998 | 83067 | 84126 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 105693<br>109865 | 104525<br>115852 | 105308<br>126072 | 107431 | 106539 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBNZ d5 | Ave | 353783<br>352155 | 344987<br>359045 | 346627<br>367878 | 345242 | 348400 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0 | 50.0 |
| Bromofluorobenzene | CBNZ d5 | Ave | 106492<br>110738 | 104184<br>114430 | 105286<br>118643 | 106164 | 108758 | 50.0<br>50.0 | 50.0<br>50.0 | 50.0<br>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\CVOAMS13\20181005-79797.b\P51403.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Oct-2018 18:07:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0079797-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:03:10 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: boykink Date: 05-Oct-2018 17:38:32

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 94 | 1282 | 0.2500 | 0.6345 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 135187 | 1000.0 | 1000.0 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 91 | 2006 | 2.00 | 2.17 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 84752 | 50.0 | 49.0 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 159171 | 250.0 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.392 | 0.000 | 0 | 105693 | 50.0 | 47.6 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 98 | 375434 | 50.0 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 13031 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 353783 | 50.0 | 50.5 | |
| 80 Epichlorohydrin | 57 | 5.254 | 5.254 | 0.000 | 33 | 946 | 5.00 | 4.41 | a |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 88 | 308499 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.814 | 0.000 | 89 | 106492 | 50.0 | 49.0 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 97 | 169116 | 50.0 | 50.0 | |

## QC Flag Legend

Review Flags
a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 14DIOXINTER_00088 | Amount Added: | 0.00 | Units: uL | |
| GAS Hi_00274 | Amount Added: | 0.00 | Units: uL | |
| MIX I Hi_00098 | Amount Added: | 0.00 | Units: uL | |
| MIX 2 Hi_00075 | Amount Added: | 0.00 | Units: uL | |
| Ethanol mix_00020 | Amount Added: | 0.00 | Units: uL | |
| ACRY/EPIH MIX_00054 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00280 | Amount Added: | 2.50 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 0.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

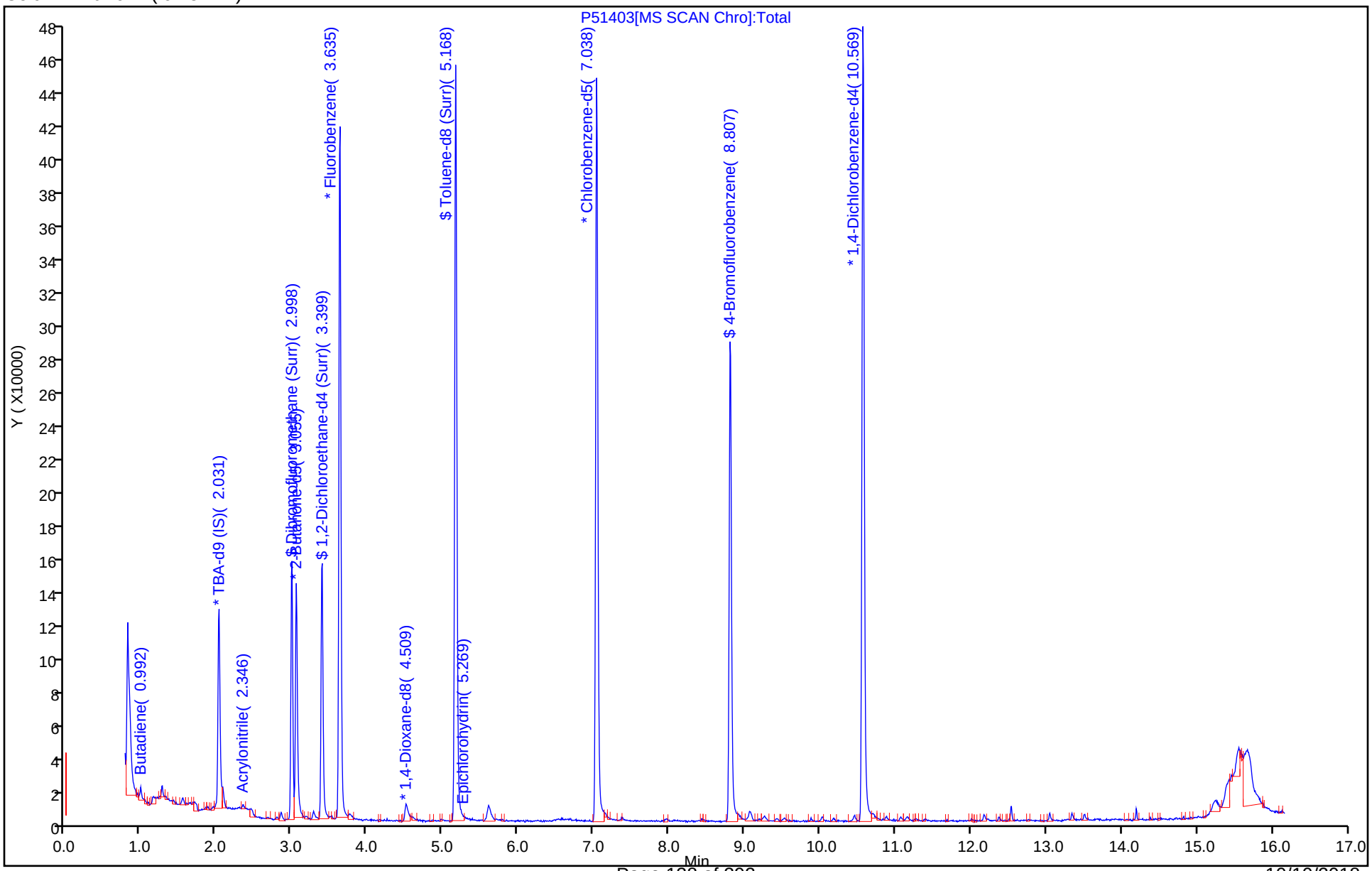
Report Date: 08-Oct-2018 15:03:36 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Oct-2018 18:07:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | STD8 | | | Worklist Smp#: | 2 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 1 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

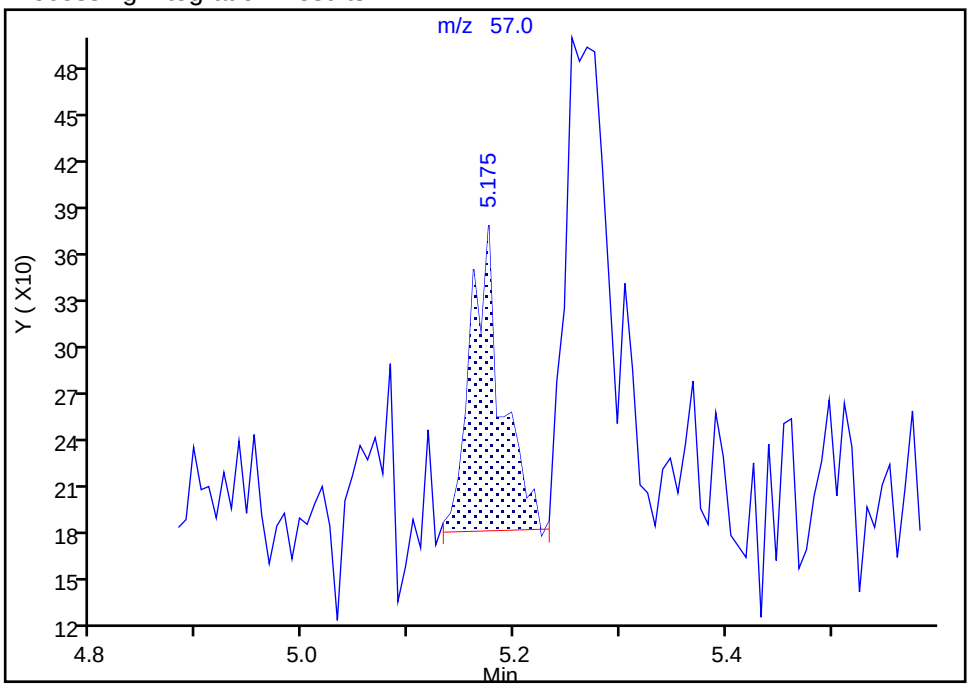
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

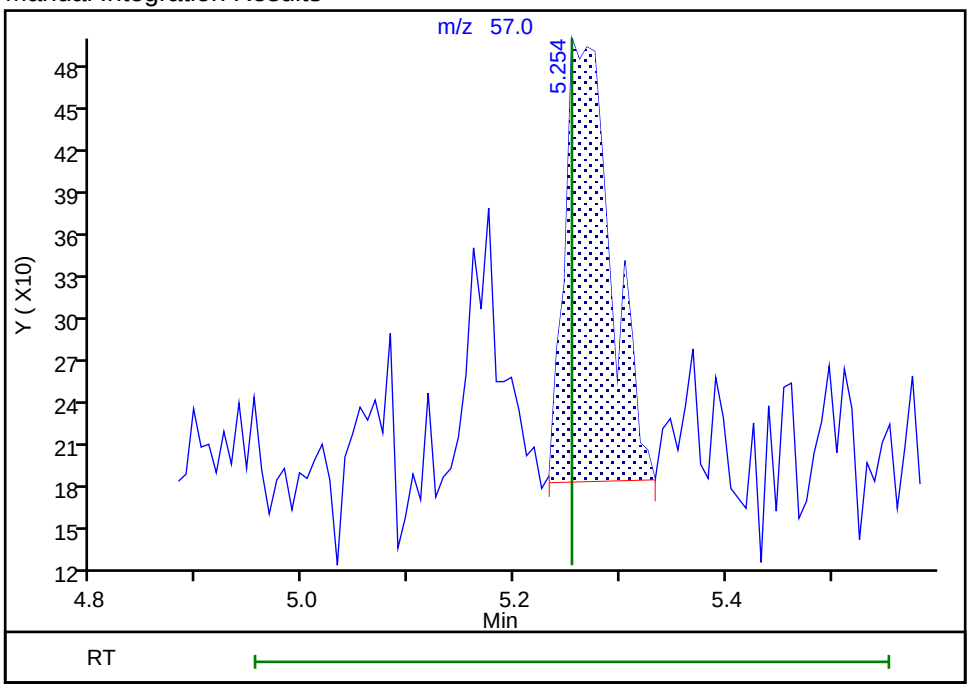
Processing Integration Results

RT: 5.18
Area: 399
Amount: 5.000009
Amount Units: ug/l




Manual Integration Results

RT: 5.25
Area: 946
Amount: 4.407028
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 17:37:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

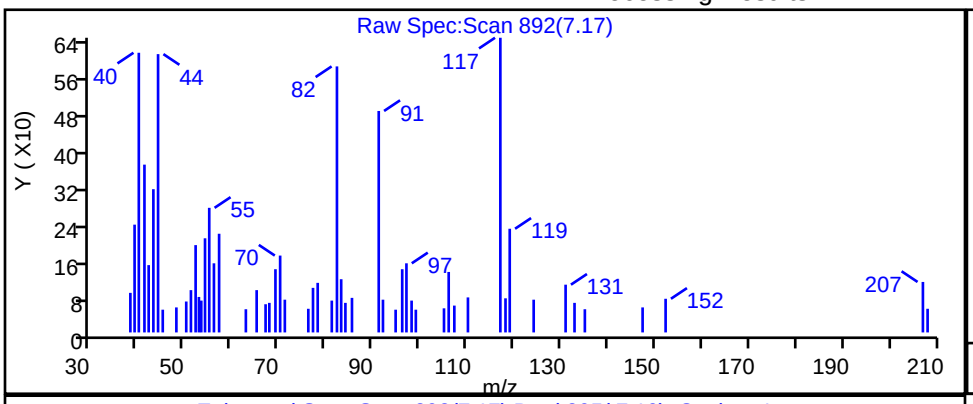
User Disabled Compound Report

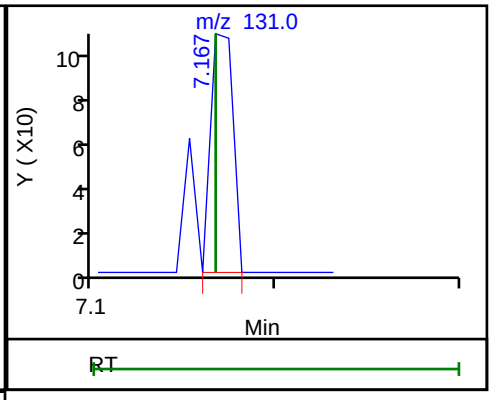
TestAmerica Edison

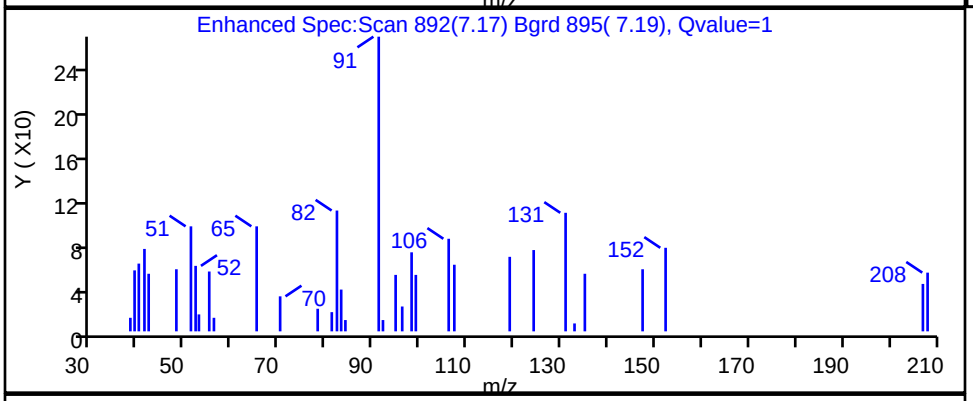
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

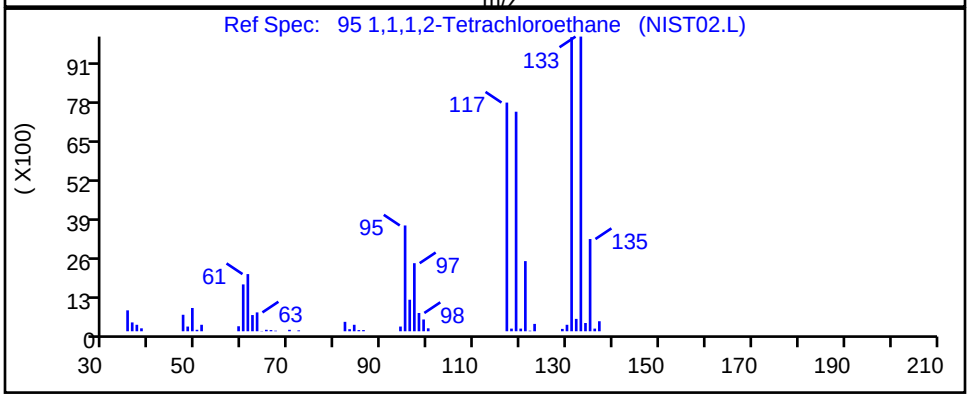
## 95 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.17 | 131.00 | 89 | 0.044774 |

Reviewer: boykink, 05-Oct-2018 19:08:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

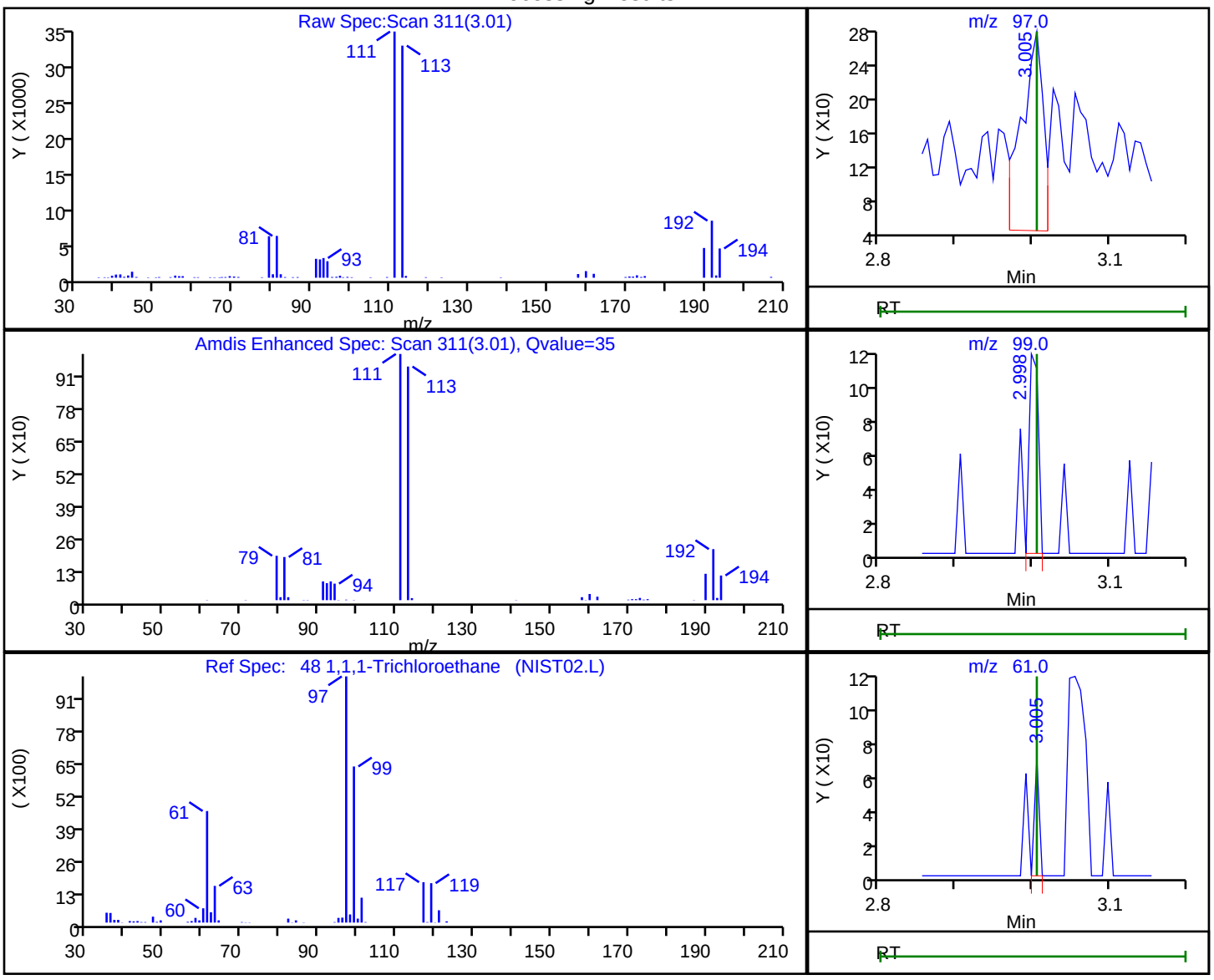
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 48 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.01 | 97.00 | 473 | 0.125320 |
| 3.00 | 99.00 | 99 | |
| 3.01 | 61.00 | 29 | |

Reviewer: boykink, 05-Oct-2018 19:07:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

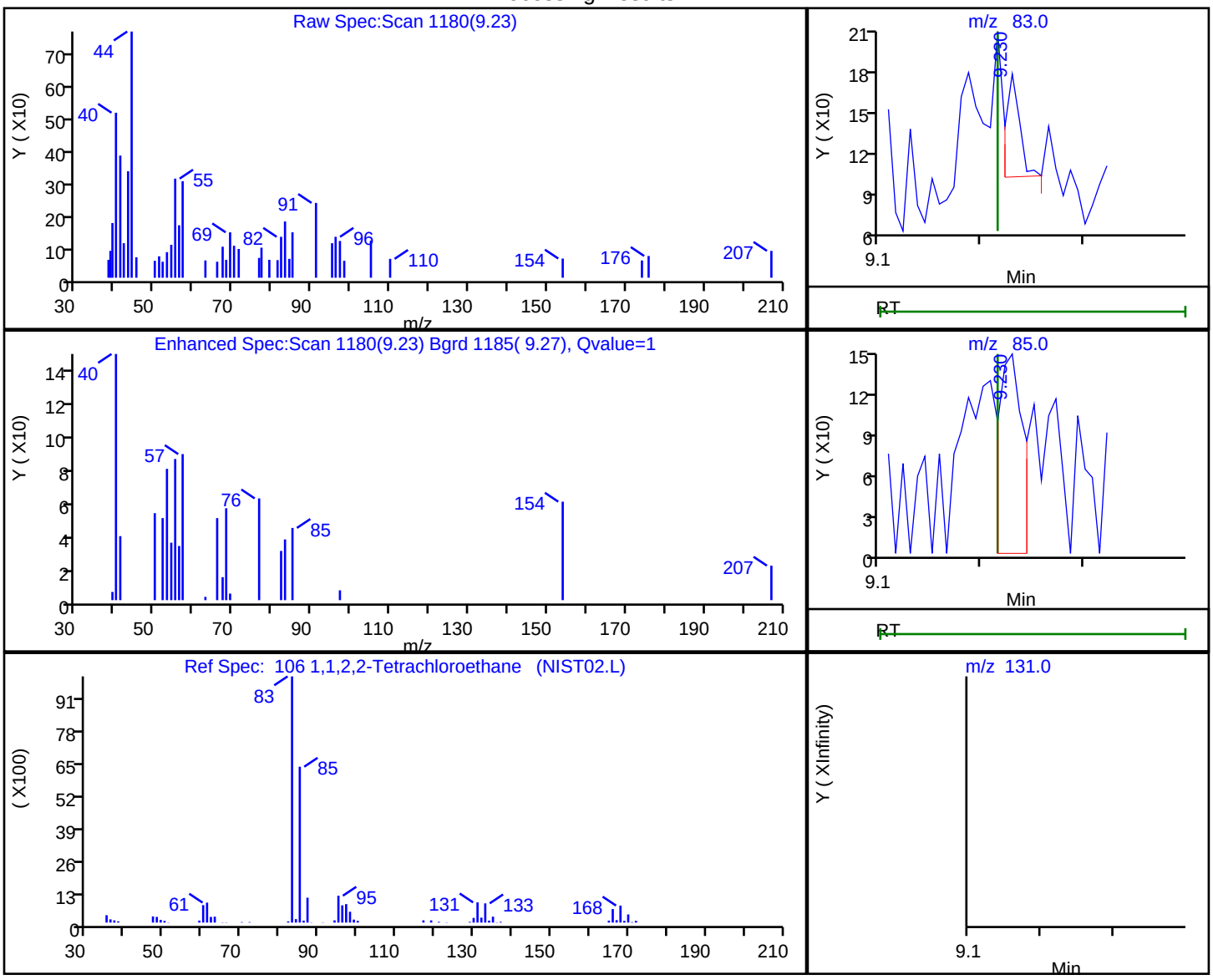
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 106 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.23 | 83.00 | 67 | 0.030201 |
| 9.23 | 85.00 | 237 | |
| 9.22 | 131.00 | 0 | |

Reviewer: boykink, 05-Oct-2018 19:08:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

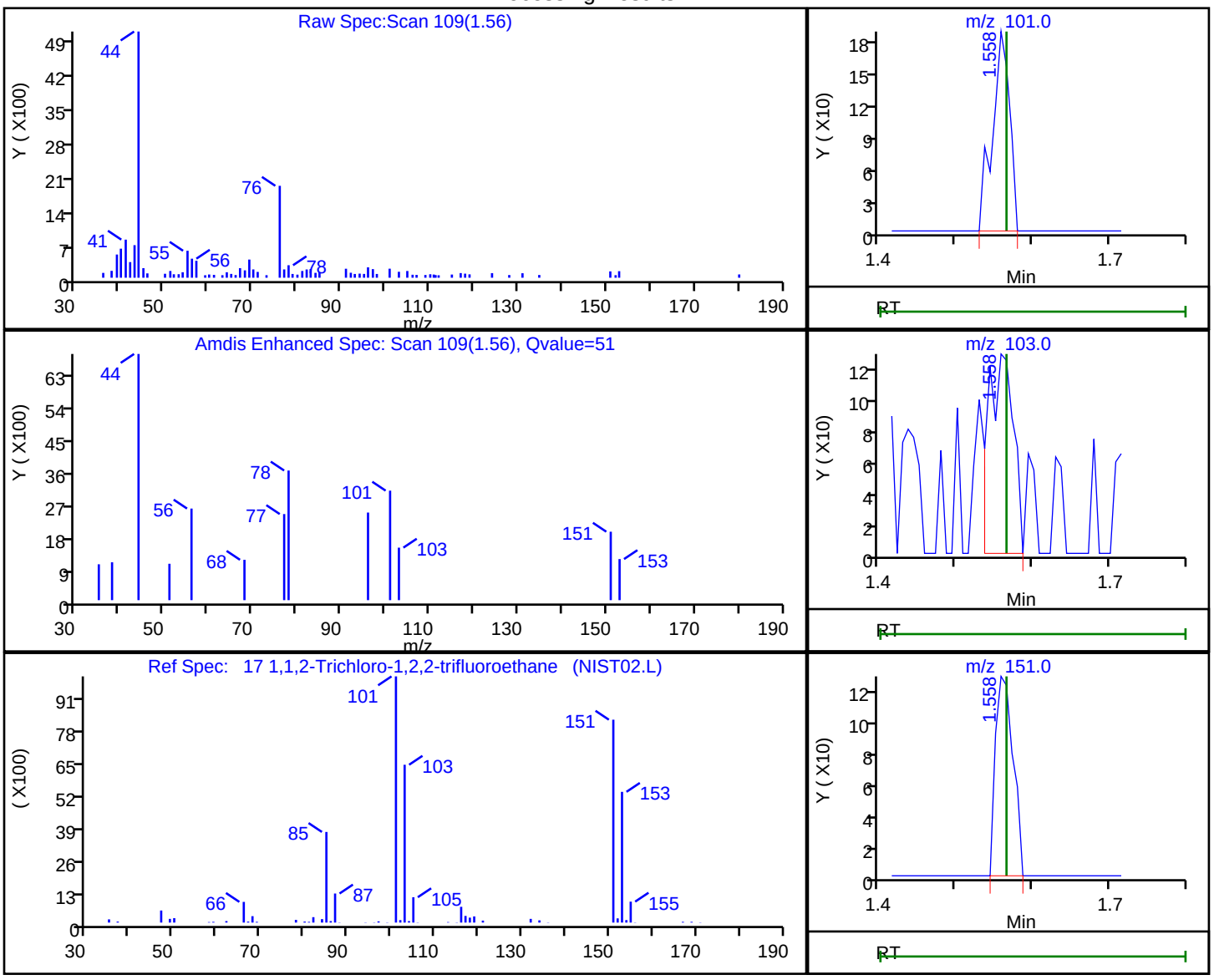
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 17 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.56 | 101.00 | 290 | 0.152115 |
| 1.56 | 103.00 | 278 | |
| 1.56 | 151.00 | 208 | |
| 1.57 | 85.00 | 460 | |

Reviewer: boykink, 05-Oct-2018 19:07:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

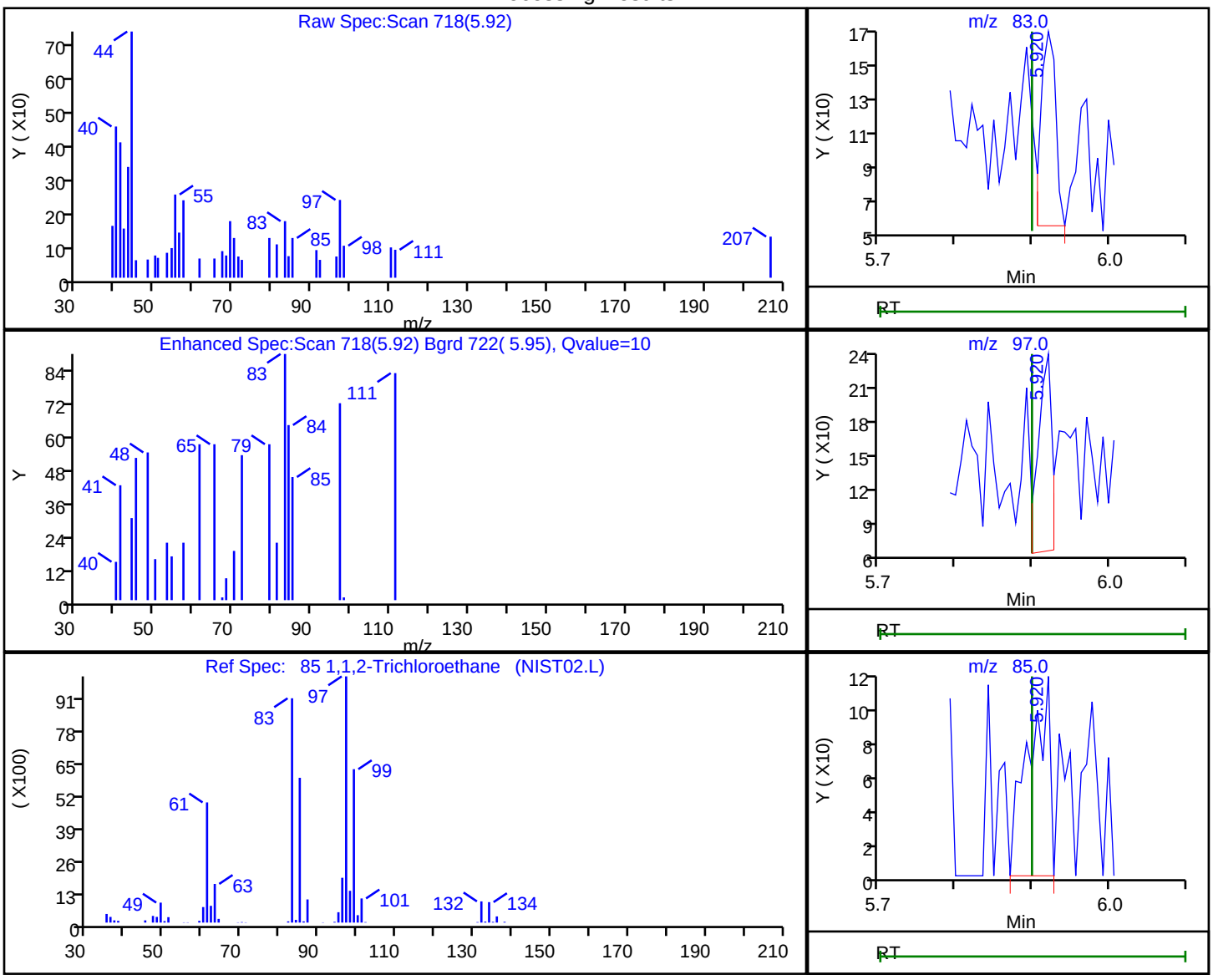
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 85 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.92 | 83.00 | 150 | 0.085773 |
| 5.92 | 97.00 | 216 | |
| 5.92 | 85.00 | 231 | |

Reviewer: boykink, 05-Oct-2018 19:08:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

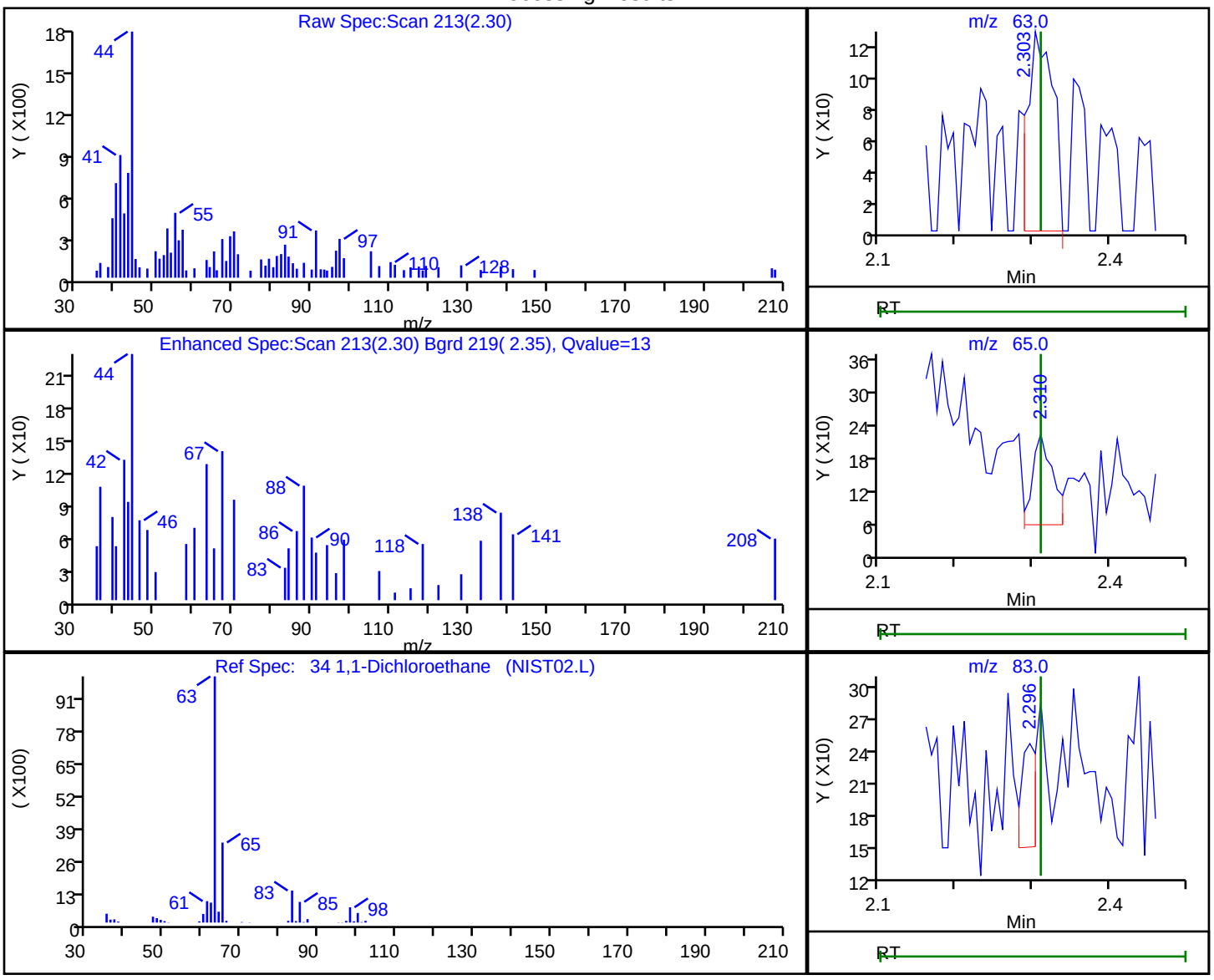
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.30 | 63.00 | 291 | 0.067616 |
| 2.31 | 65.00 | 311 | |
| 2.30 | 83.00 | 127 | |

Reviewer: boykink, 05-Oct-2018 19:07:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

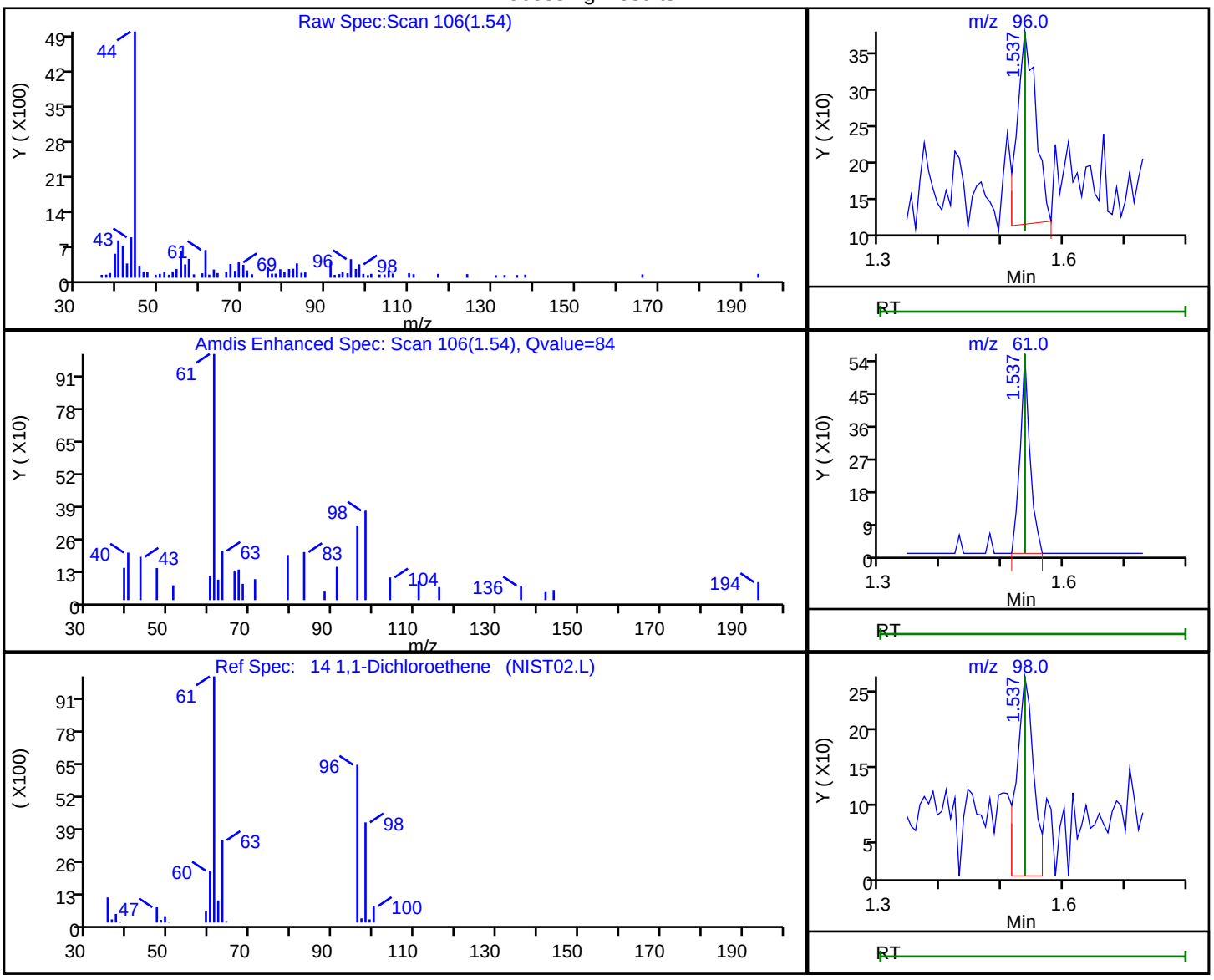
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 14 1,1-Dichloroethene, CAS: 75-35-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.54 | 96.00 | 537 | 0.257021 |
| 1.54 | 61.00 | 625 | |
| 1.54 | 98.00 | 515 | |
| 1.54 | 63.00 | 273 | |

Reviewer: boykink, 05-Oct-2018 19:07:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

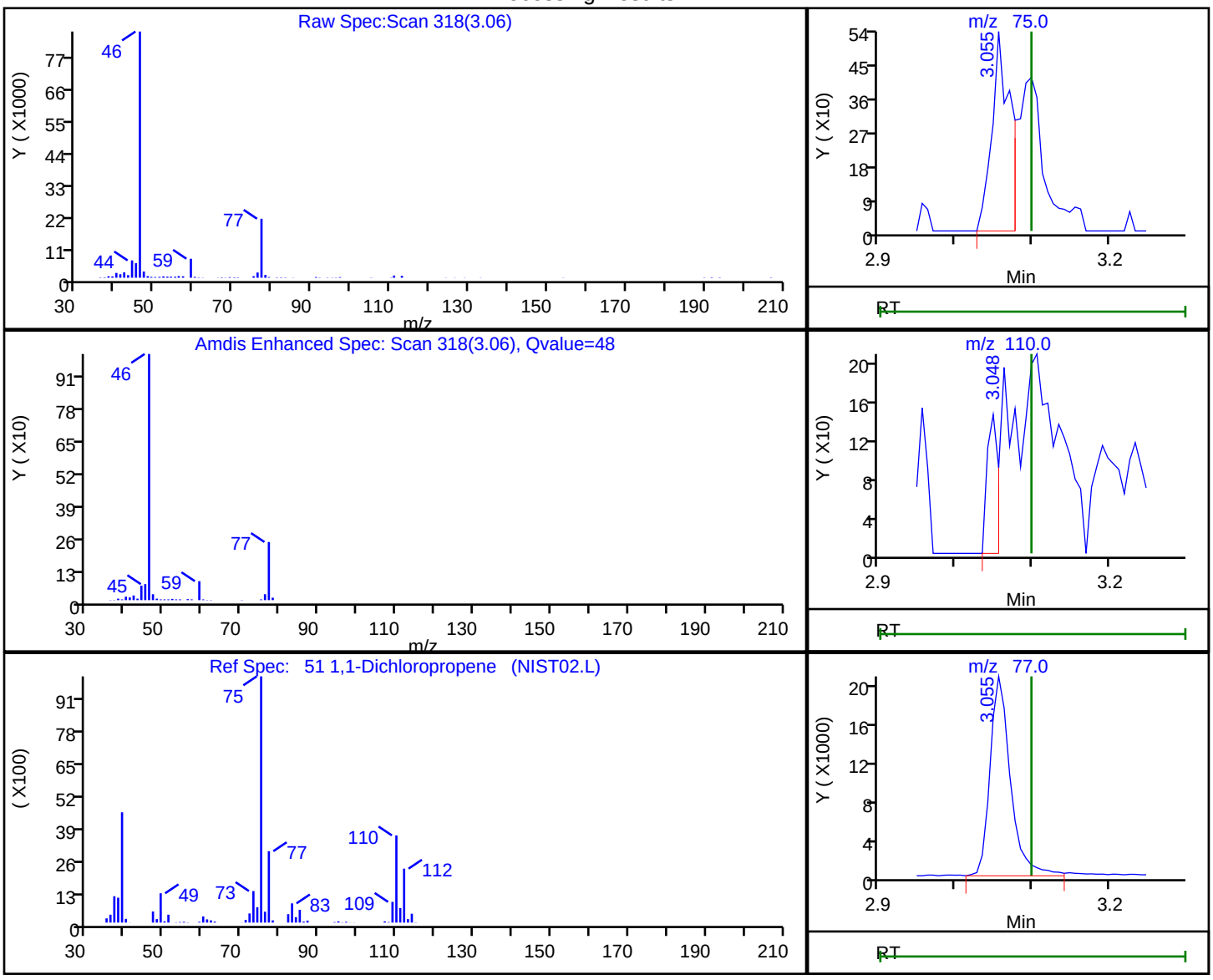
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 51 1,1-Dichloropropene, CAS: 563-58-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.06 | 75.00 | 890 | 0.197472 |
| 3.05 | 110.00 | 147 | |
| 3.06 | 77.00 | 38268 | |

Reviewer: boykink, 05-Oct-2018 19:07:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

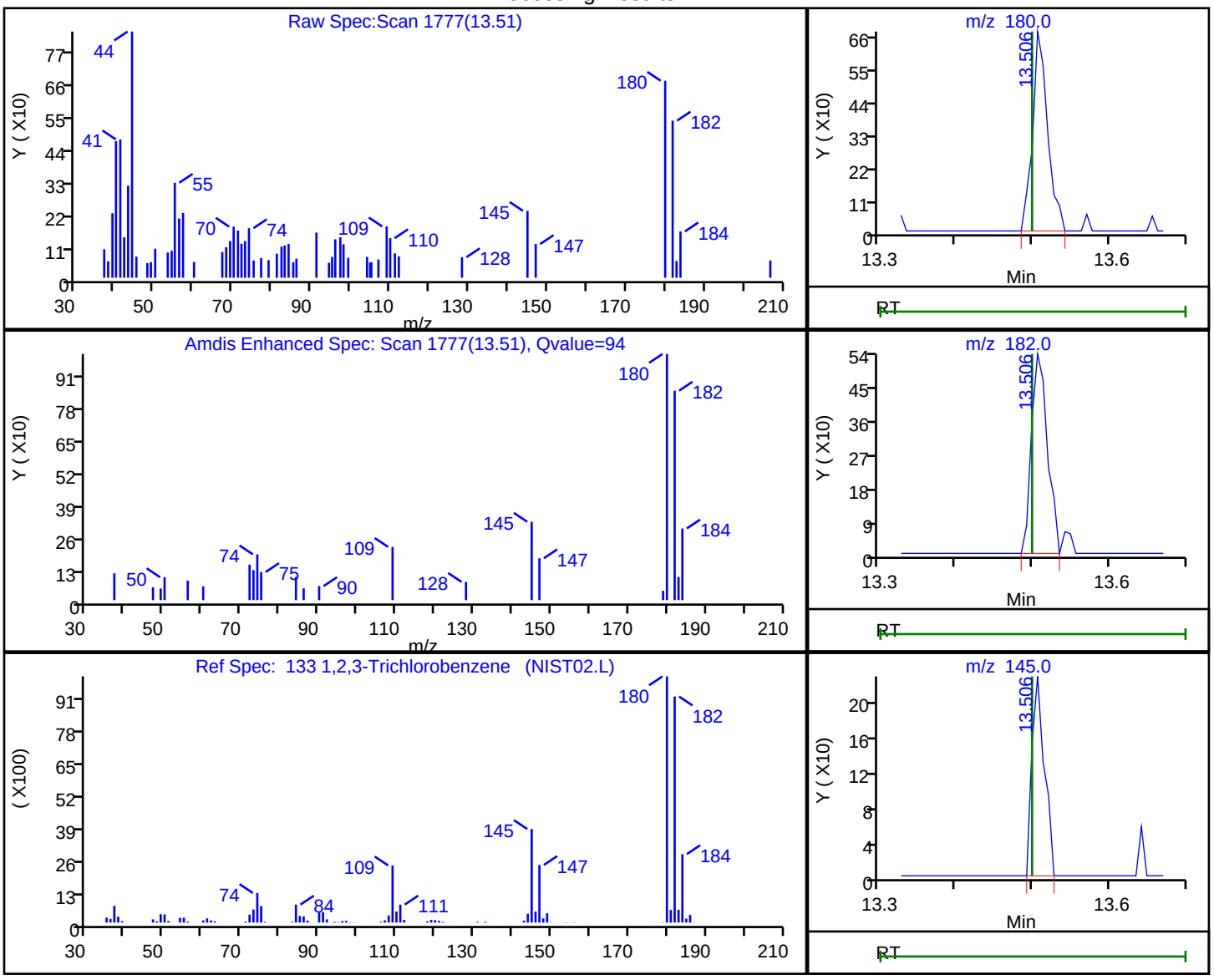
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 133 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 13.51 | 180.00 | 921 | 0.310794 |
| 13.51 | 182.00 | 783 | |
| 13.51 | 145.00 | 259 | |

Reviewer: boykink, 05-Oct-2018 19:08:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

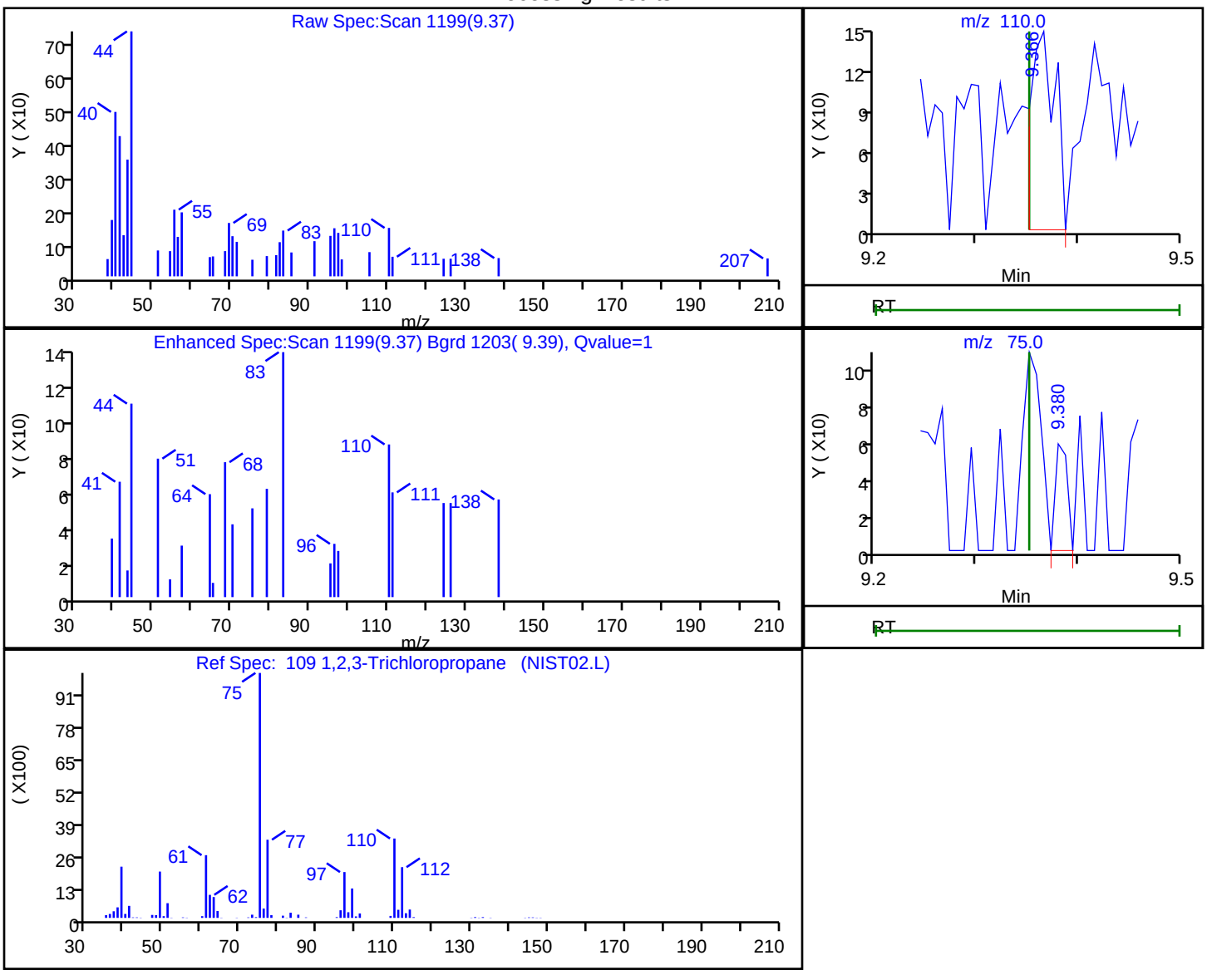
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 109 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.37 | 110.00 | 245 | 0.323073 |
| 9.38 | 75.00 | 46 | |

Reviewer: boykink, 05-Oct-2018 19:08:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

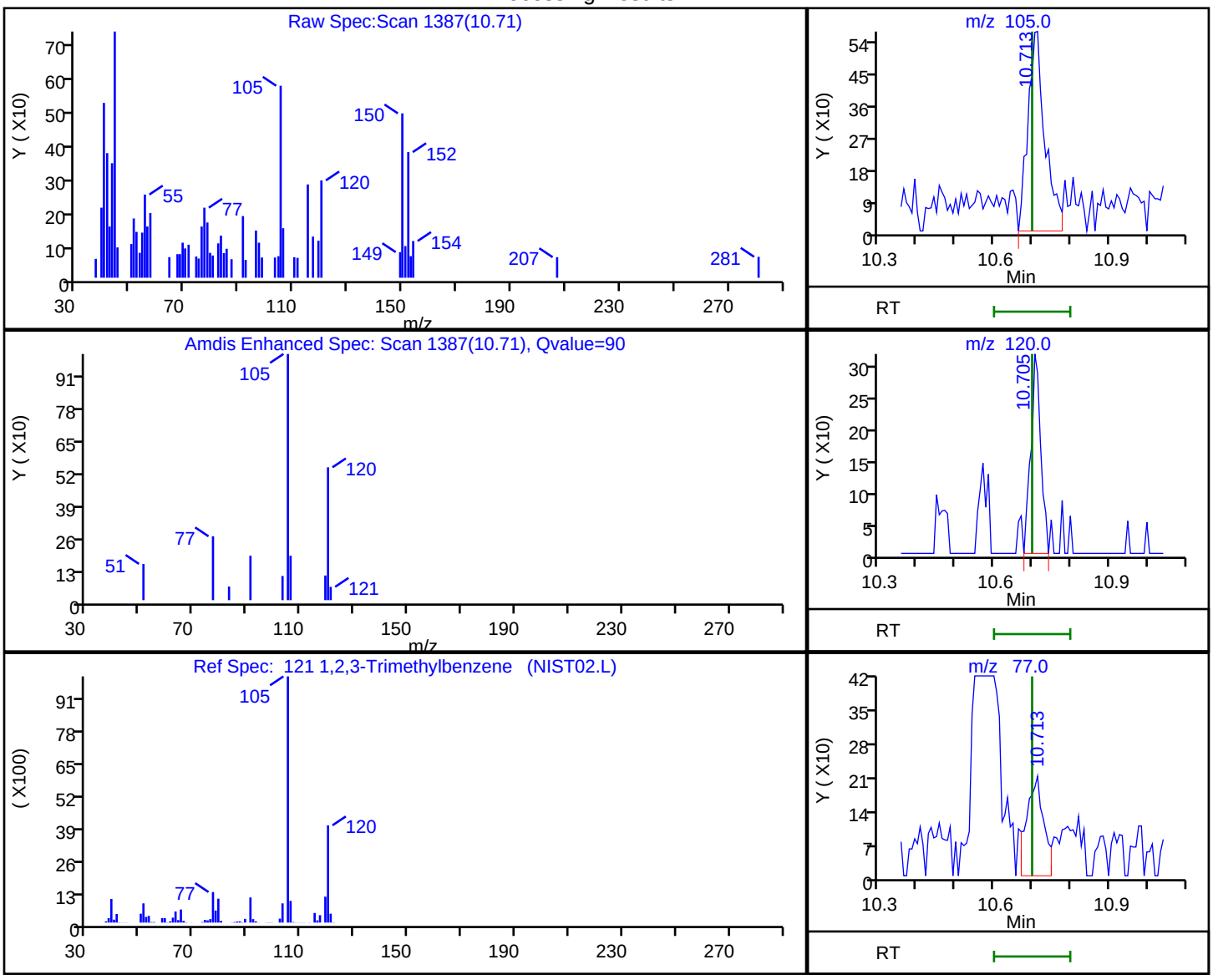
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 121 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.71 | 105.00 | 1766 | |
| 10.71 | 120.00 | 578 | |
| 10.71 | 77.00 | 649 | |

Reviewer: boykink, 05-Oct-2018 19:08:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

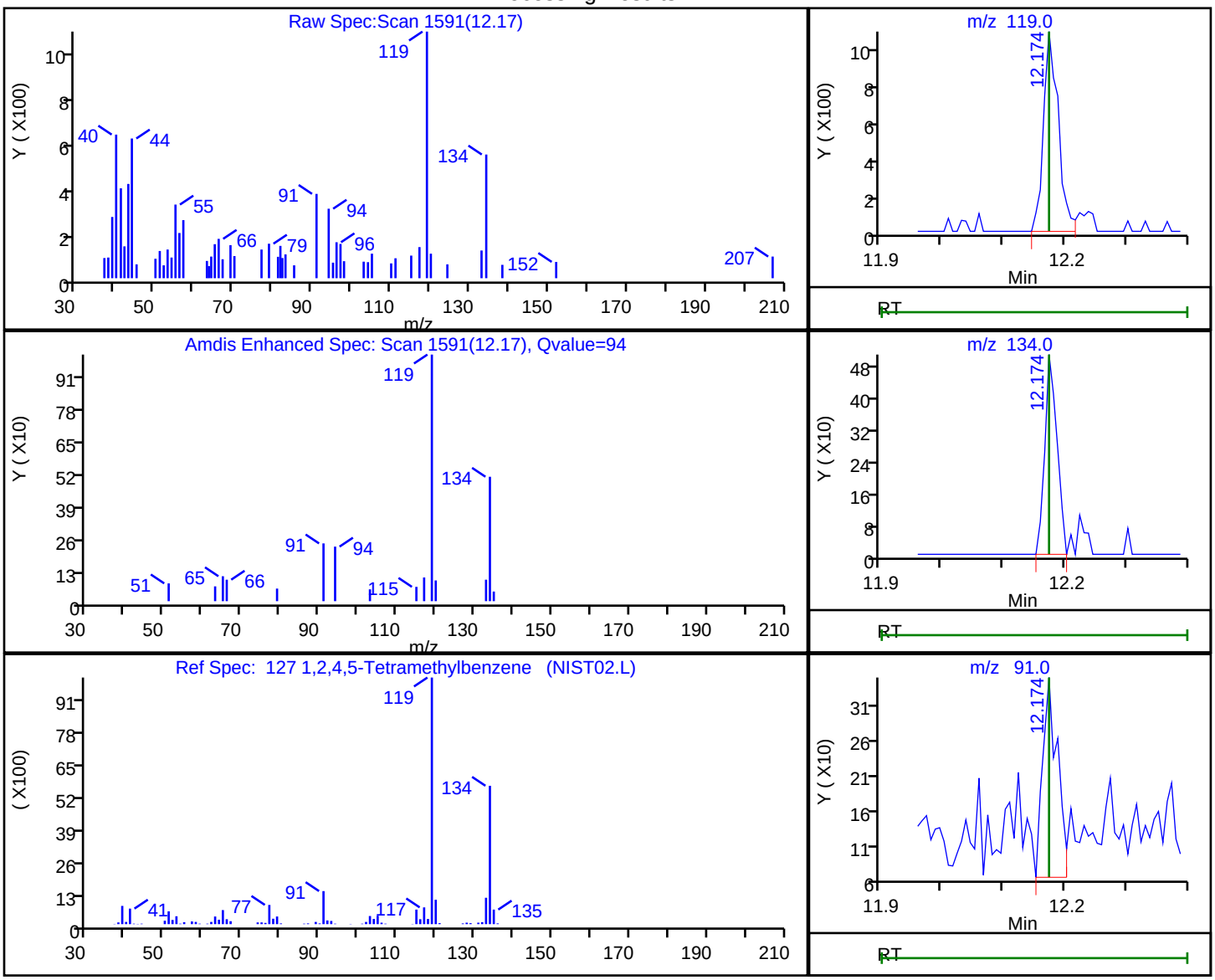
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 127 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 12.17 | 119.00 | 1715 | 0.179711 |
| 12.17 | 134.00 | 706 | |
| 12.17 | 91.00 | 477 | |

Reviewer: boykink, 05-Oct-2018 19:08:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

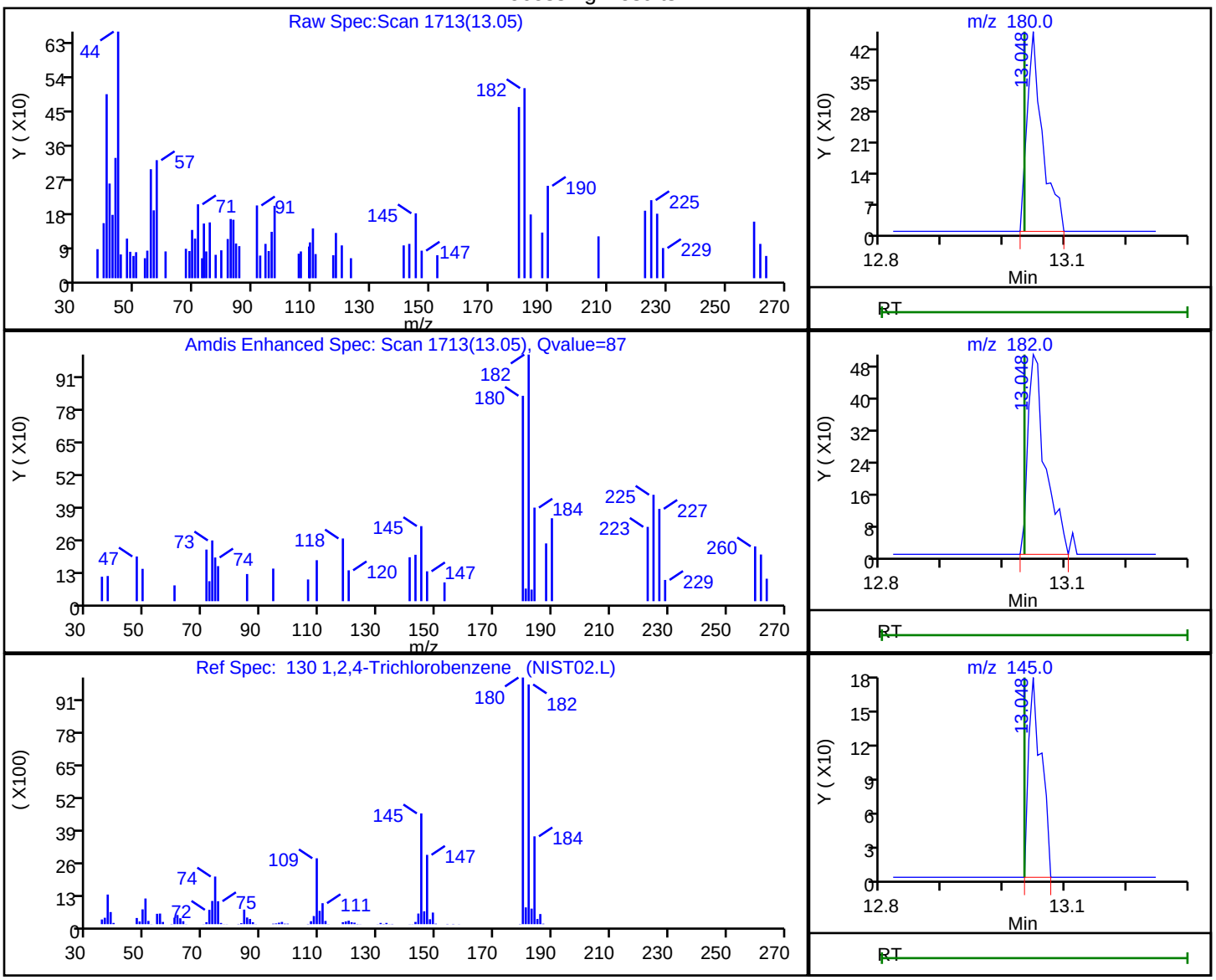
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 130 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 13.05 | 180.00 | 793 | 0.234098 |
| 13.05 | 182.00 | 998 | |
| 13.05 | 145.00 | 246 | |

Reviewer: boykink, 05-Oct-2018 19:08:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

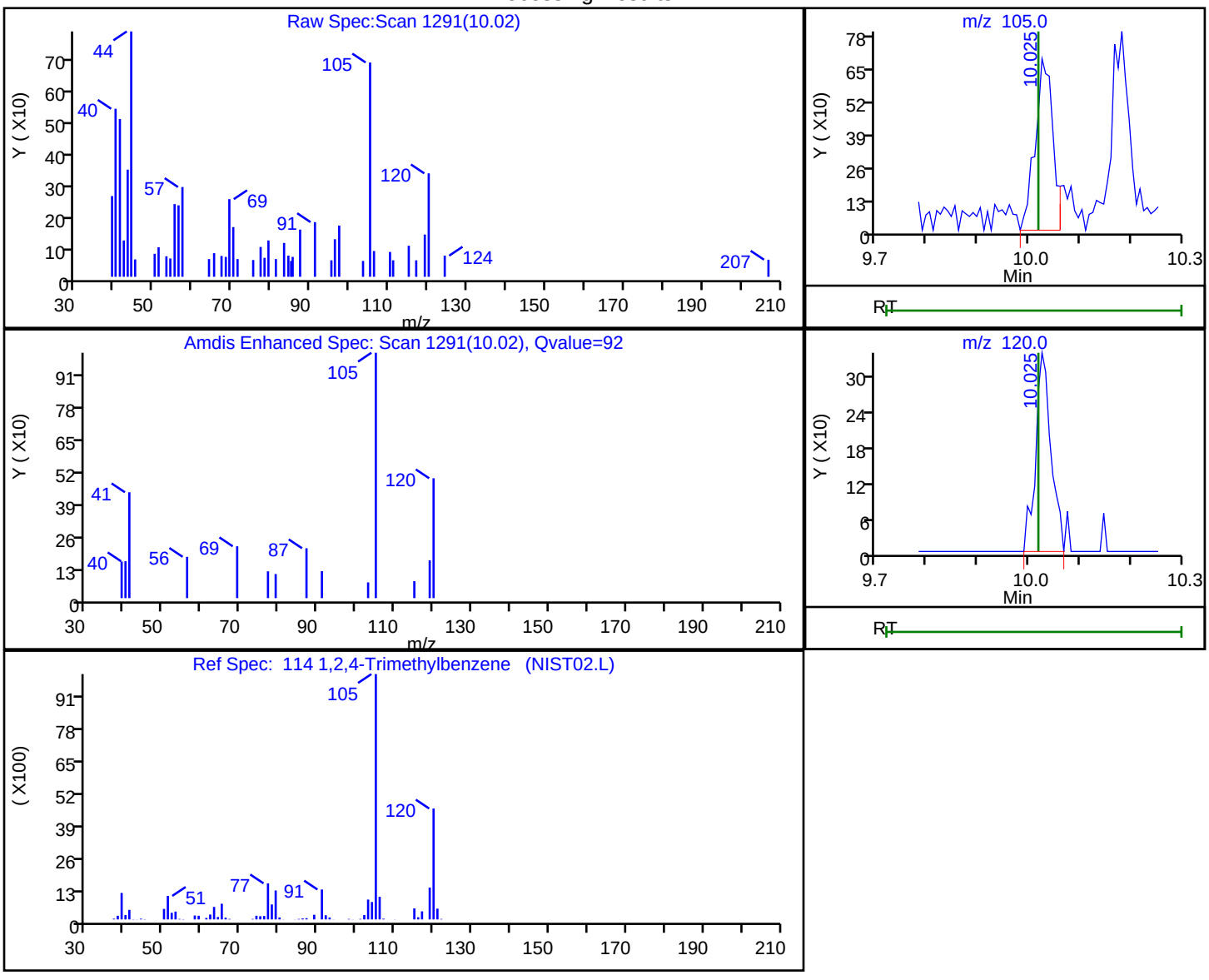
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 114 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.02 | 105.00 | 1682 | 0.171410 |
| 10.02 | 120.00 | 703 | |

Reviewer: boykink, 05-Oct-2018 19:08:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

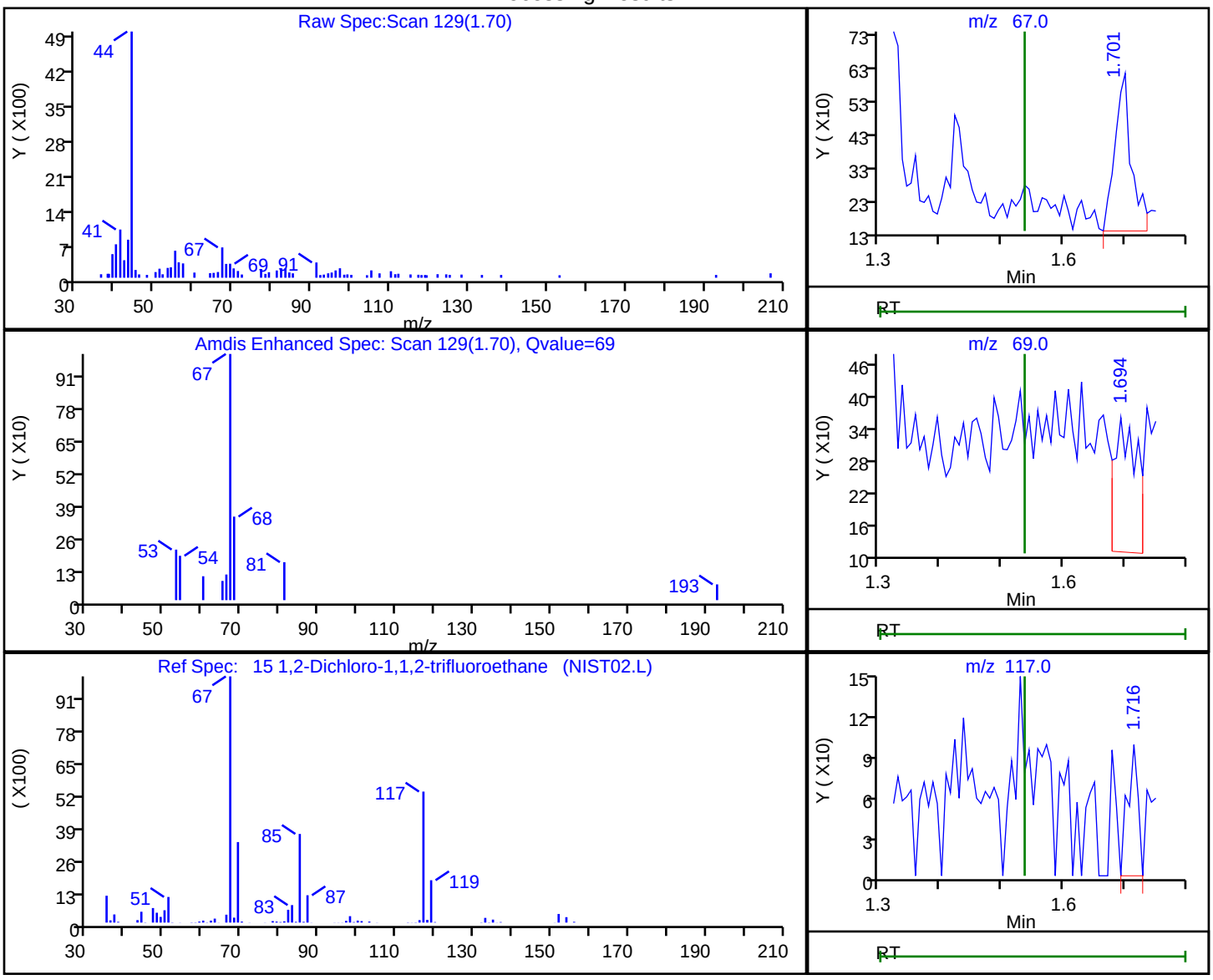
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 15 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.70 | 67.00 | 892 | 0.266265 |
| 1.69 | 69.00 | 660 | |
| 1.72 | 117.00 | 115 | |
| 1.70 | 119.00 | 74 | |

Reviewer: boykink, 05-Oct-2018 19:07:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

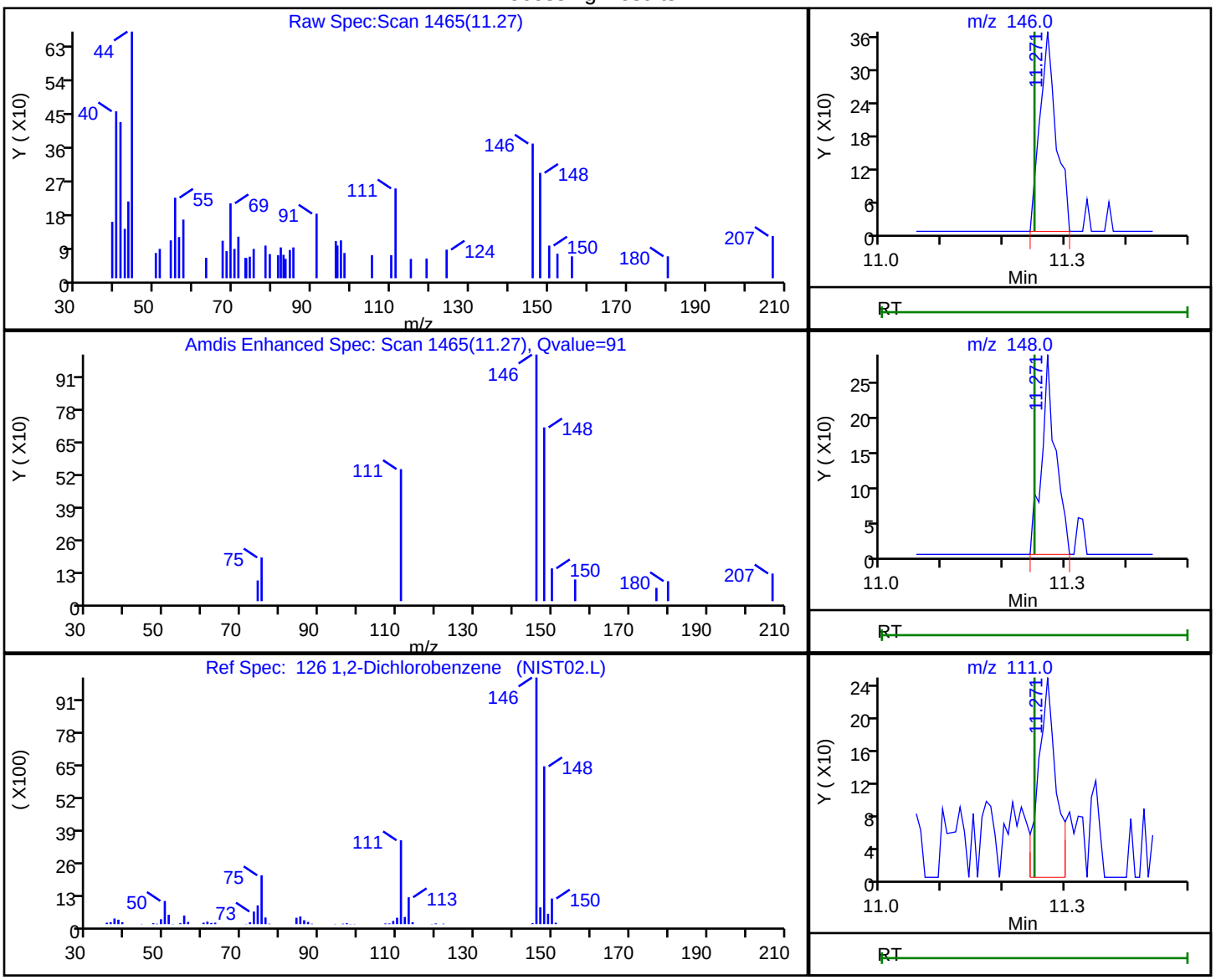
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 126 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.27 | 146.00 | 673 | 0.141782 |
| 11.27 | 148.00 | 451 | |
| 11.27 | 111.00 | 477 | |

Reviewer: boykink, 05-Oct-2018 19:08:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

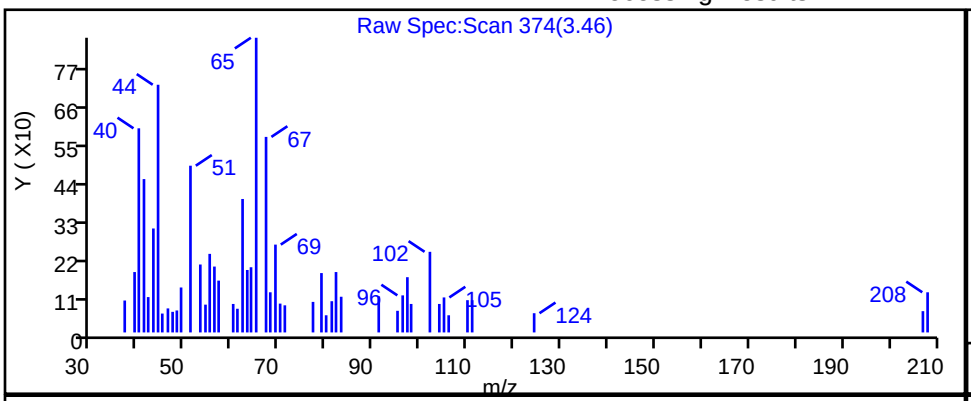
User Disabled Compound Report

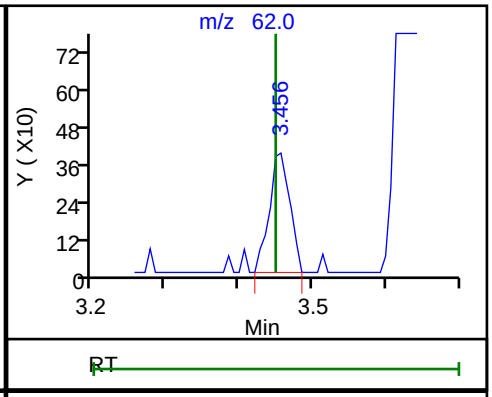
TestAmerica Edison

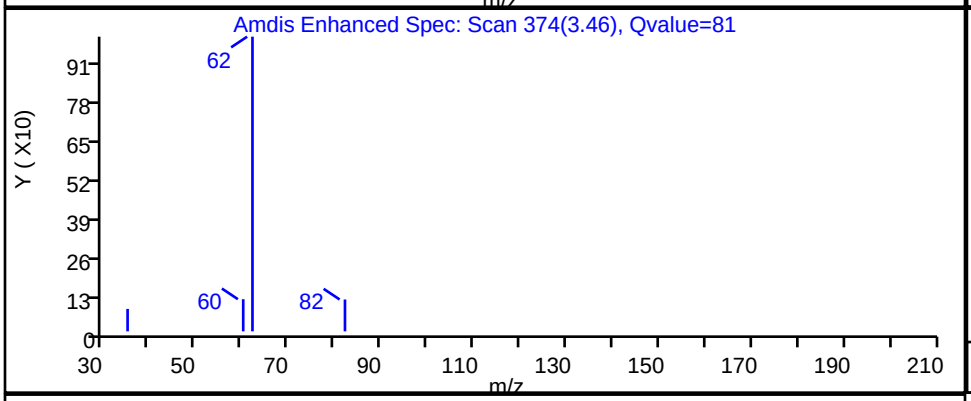
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

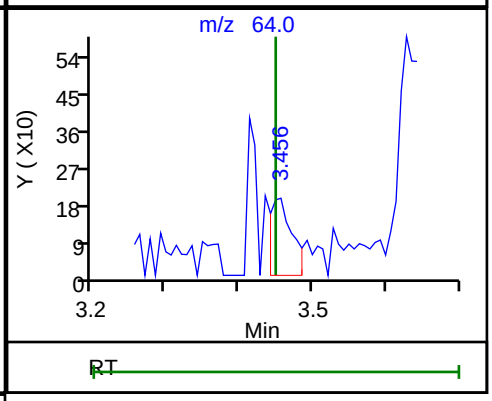
## 59 1,2-Dichloroethane, CAS: 107-06-2

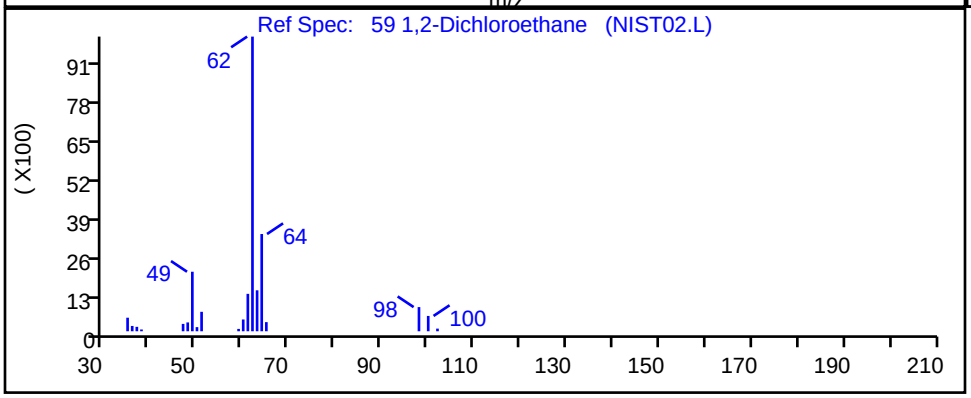
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.46 | 62.00 | 761 | 0.204929 |
| 3.46 | 64.00 | 395 | |

Reviewer: boykink, 05-Oct-2018 19:08:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

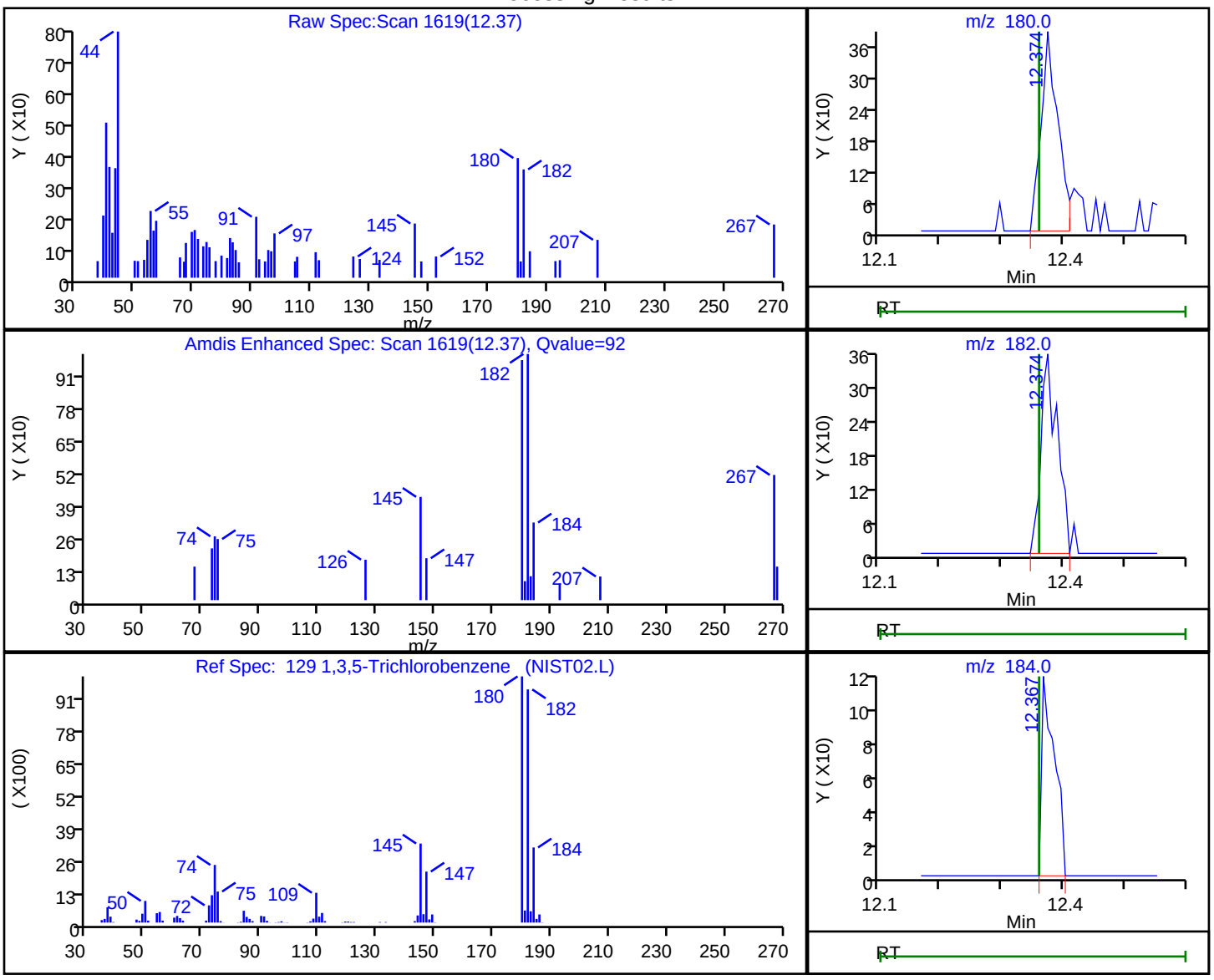
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 129 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 12.37 | 180.00 | 750 | 0.189816 |
| 12.37 | 182.00 | 661 | |
| 12.37 | 184.00 | 169 | |

Reviewer: boykink, 05-Oct-2018 19:08:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

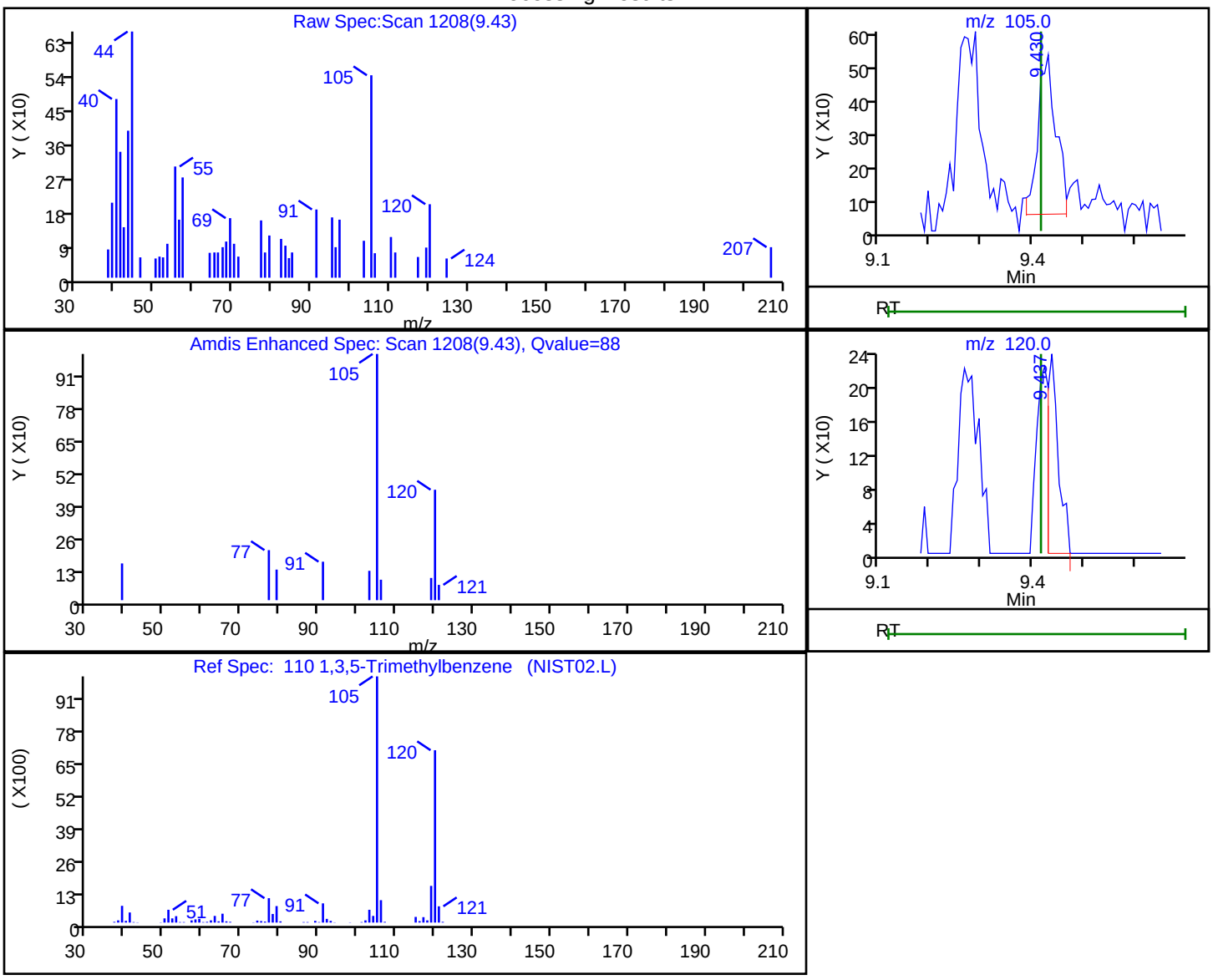
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 110 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.43 | 105.00 | 1198 | 0.124011 |
| 9.44 | 120.00 | 345 | |

Reviewer: boykink, 05-Oct-2018 19:08:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

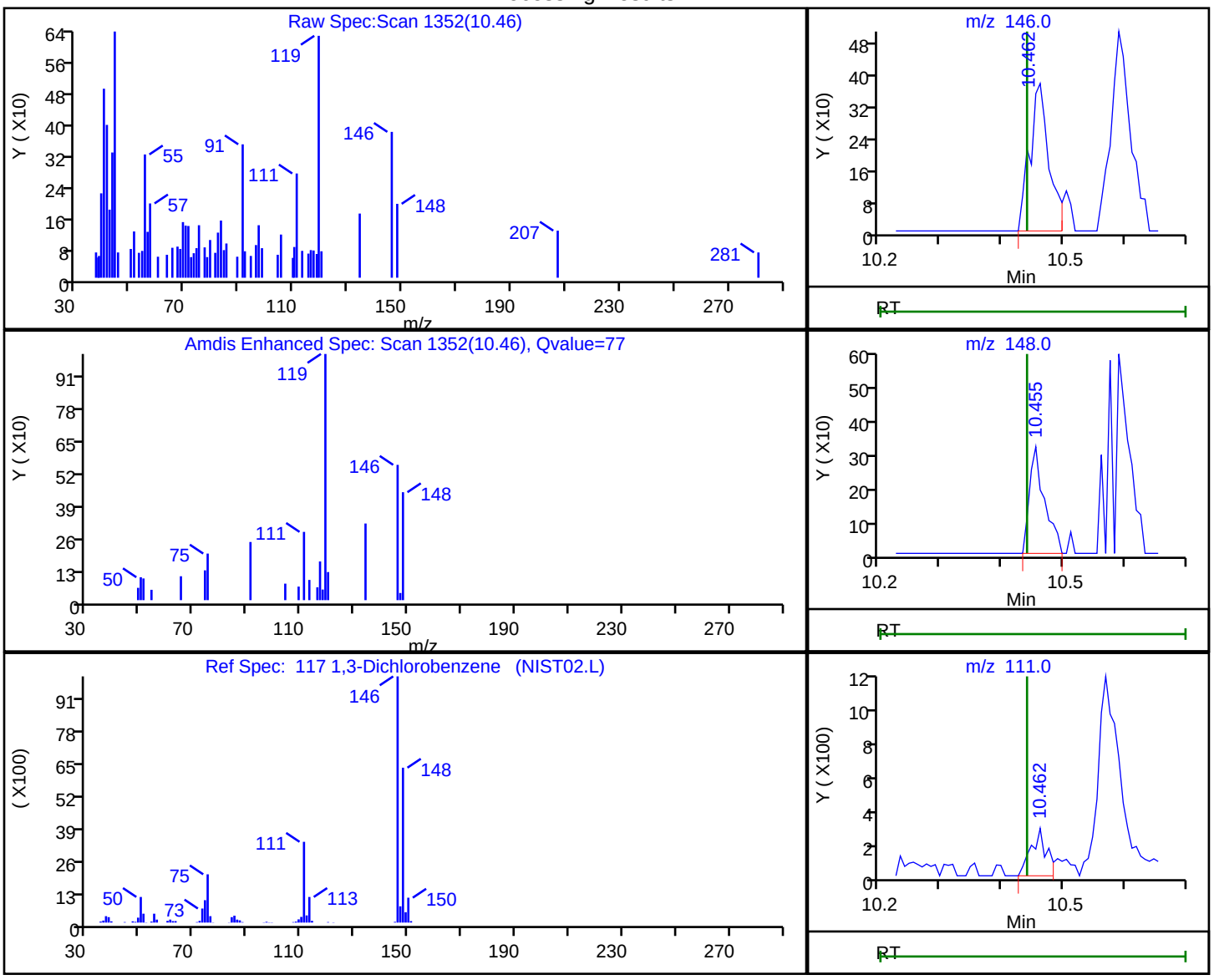
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 117 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.46 | 146.00 | 824 | 0.161471 |
| 10.45 | 148.00 | 550 | |
| 10.46 | 111.00 | 472 | |

Reviewer: boykink, 05-Oct-2018 19:08:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

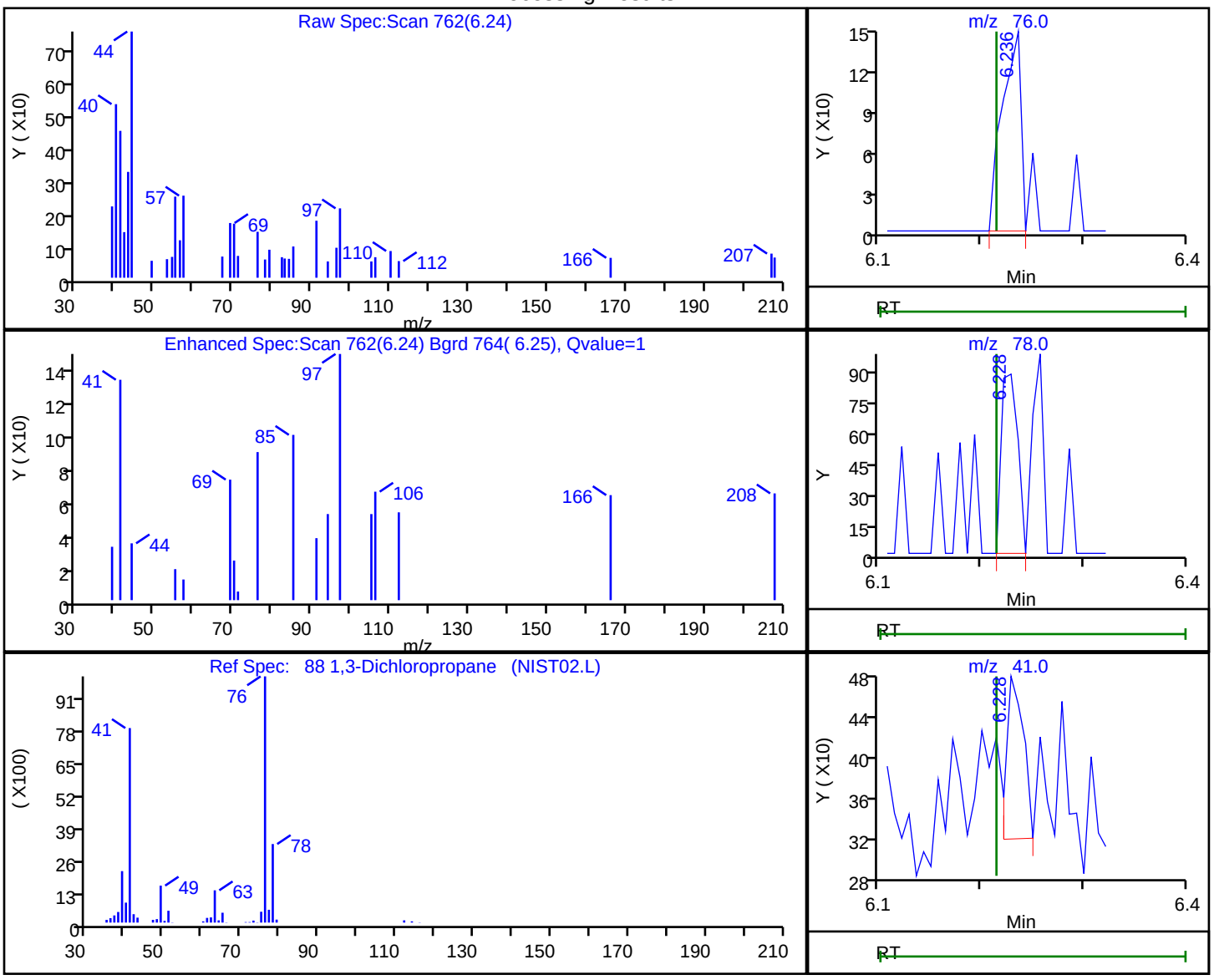
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 88 1,3-Dichloropropane, CAS: 142-28-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 6.24 | 76.00 | 179 | 0.056278 |
| 6.23 | 78.00 | 100 | |
| 6.23 | 41.00 | 179 | |

Reviewer: boykink, 05-Oct-2018 19:08:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

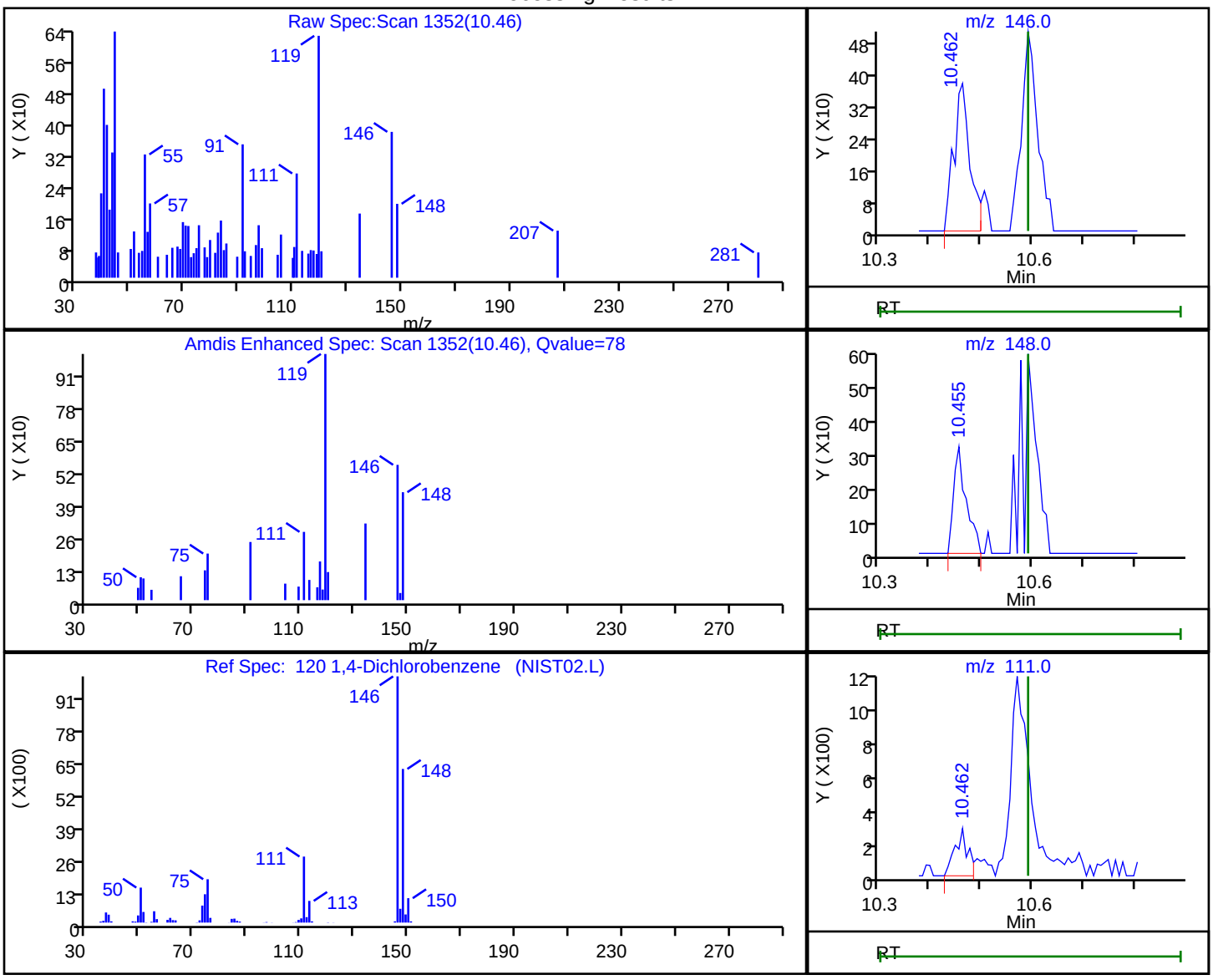
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 120 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.46 | 146.00 | 824 | 0.141440 |
| 10.45 | 148.00 | 550 | |
| 10.46 | 111.00 | 472 | |

Reviewer: boykink, 05-Oct-2018 19:08:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

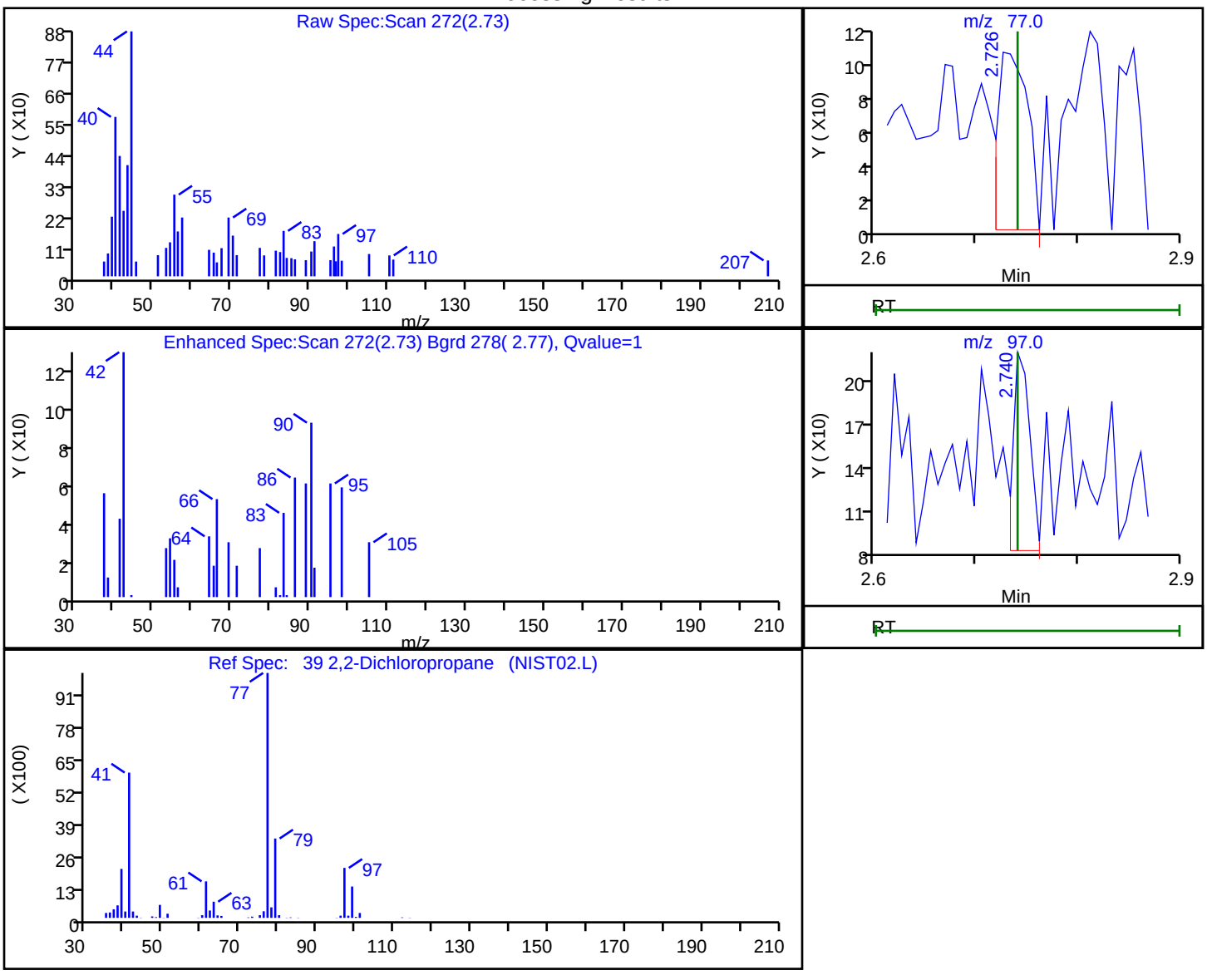
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 39 2,2-Dichloropropane, CAS: 594-20-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.73 | 77.00 | 210 | 0.057924 |
| 2.74 | 97.00 | 148 | |

Reviewer: boykink, 05-Oct-2018 19:07:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

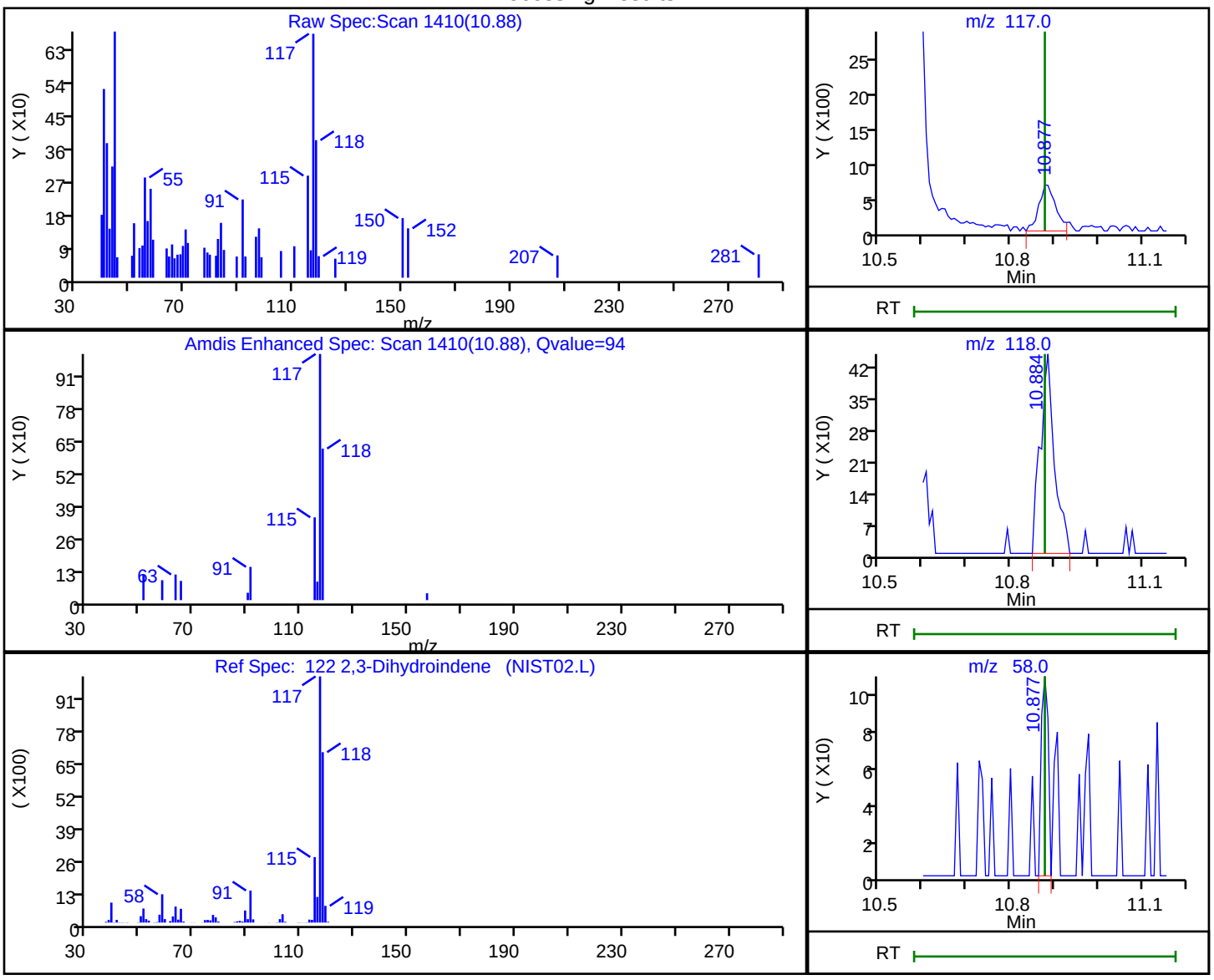
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 122 2,3-Dihydroindene, CAS: 496-11-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.88 | 117.00 | 1812 | 0.178801 |
| 10.88 | 118.00 | 995 | |
| 10.88 | 58.00 | 116 | |

Reviewer: boykink, 05-Oct-2018 19:08:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

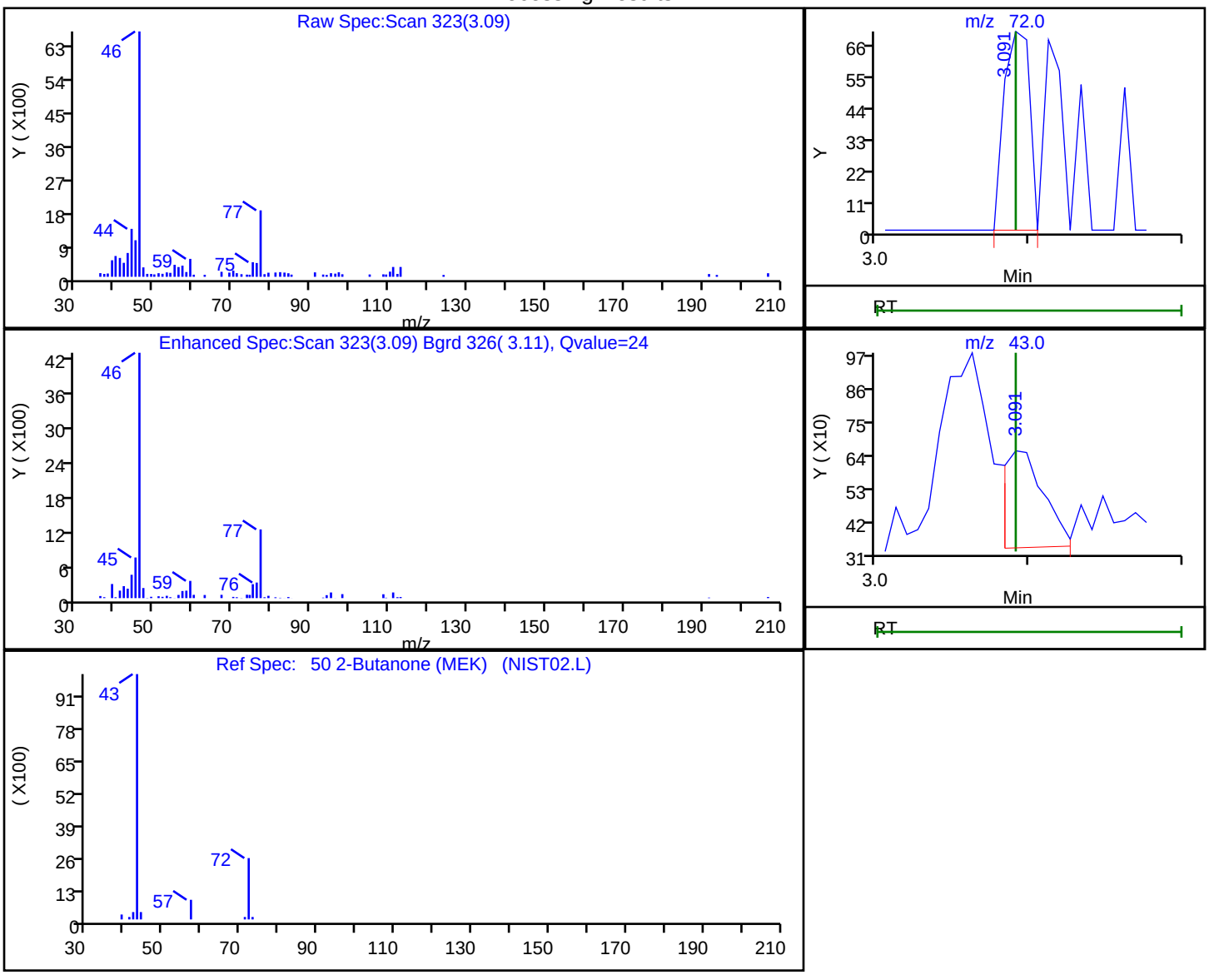
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 50 2-Butanone (MEK), CAS: 78-93-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.09 | 72.00 | 83 | 0.361751 |
| 3.09 | 43.00 | 597 | |

Reviewer: boykink, 05-Oct-2018 19:07:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

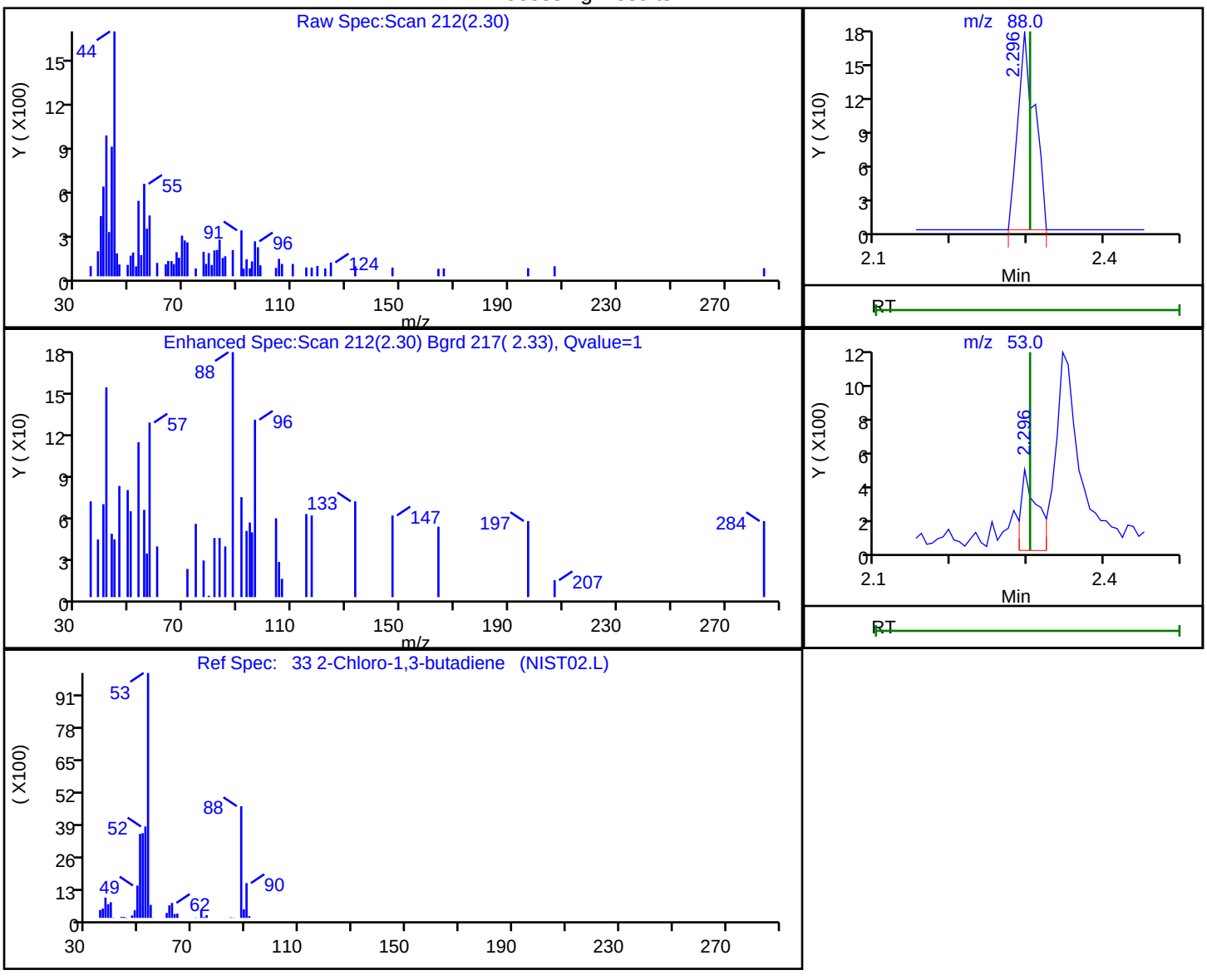
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 33 2-Chloro-1,3-butadiene, CAS: 126-99-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.30 | 88.00 | 265 | 0.127352 |
| 2.30 | 53.00 | 660 | |

Reviewer: boykink, 05-Oct-2018 19:07:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

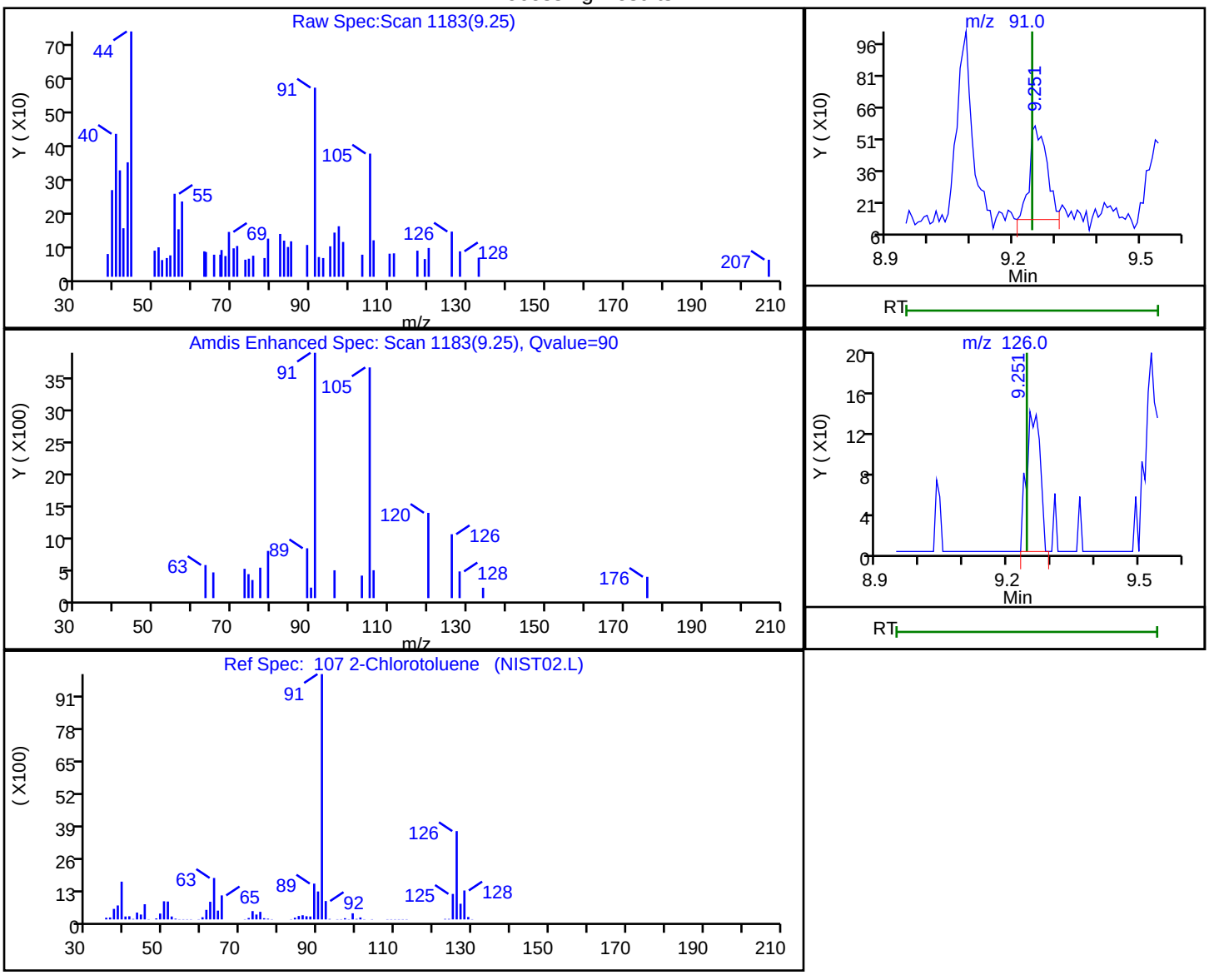
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 107 2-Chlorotoluene, CAS: 95-49-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.25 | 91.00 | 1283 | 0.141443 |
| 9.25 | 126.00 | 293 | |

Reviewer: boykink, 05-Oct-2018 19:08:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

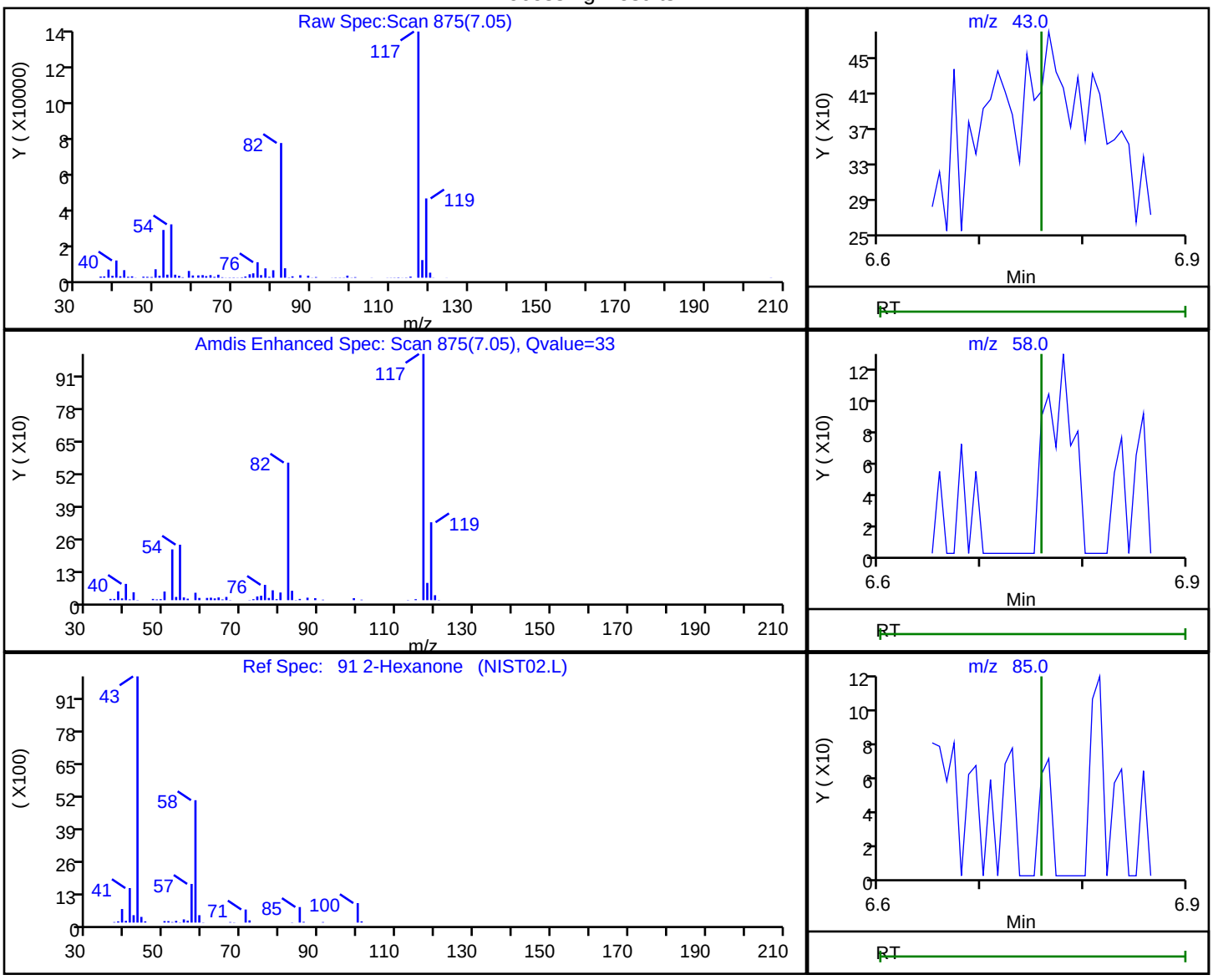
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 91 2-Hexanone, CAS: 591-78-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.05 | 43.00 | 421 | 0.383556 |
| 7.04 | 58.00 | 8935 | |
| 7.04 | 85.00 | 2116 | |
| 7.05 | 100.00 | 87 | |

Reviewer: boykink, 05-Oct-2018 19:08:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

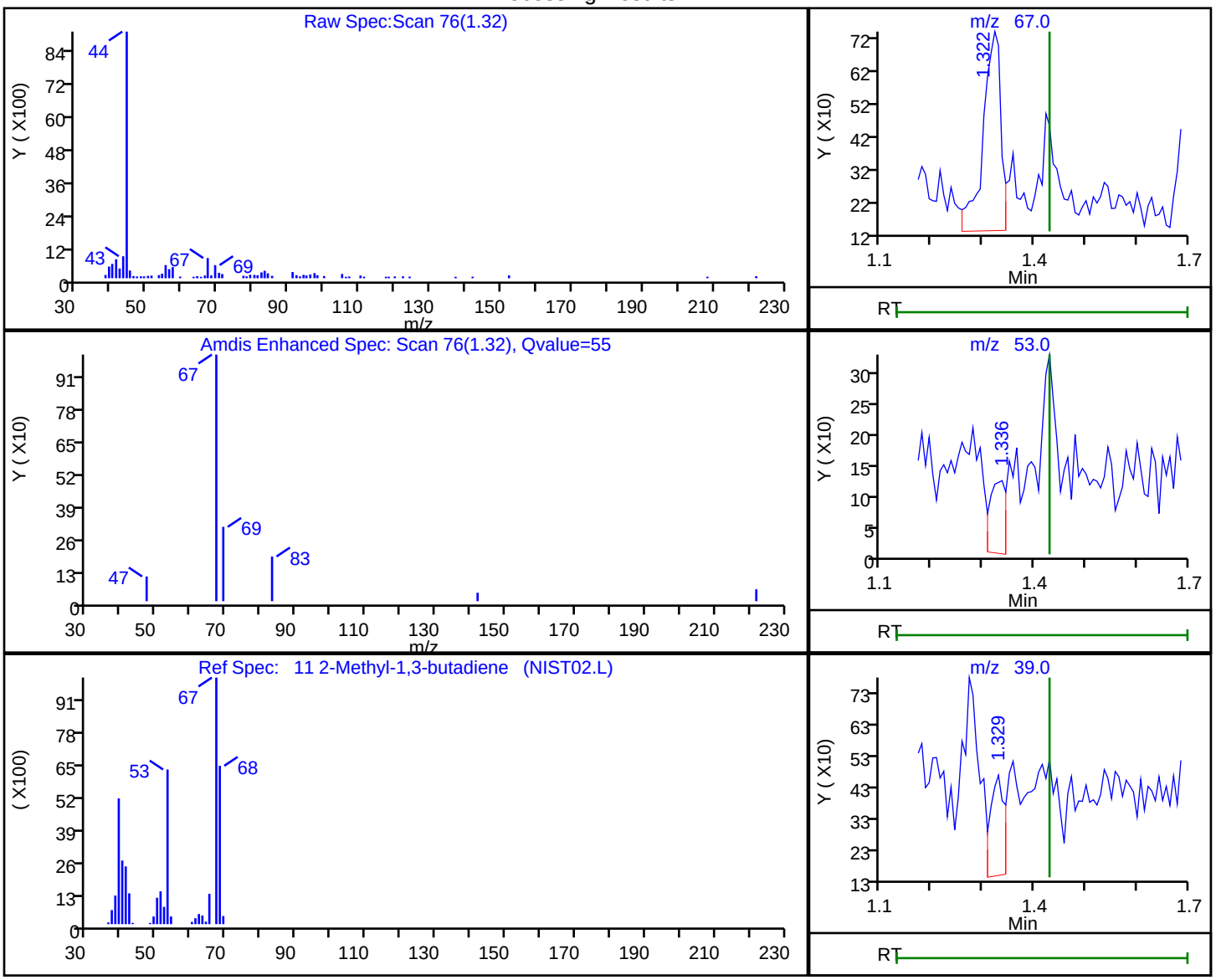
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.32 | 67.00 | 1498 | 0.420806 |
| 1.34 | 53.00 | 262 | |
| 1.33 | 39.00 | 622 | |

Reviewer: boykink, 05-Oct-2018 19:07:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

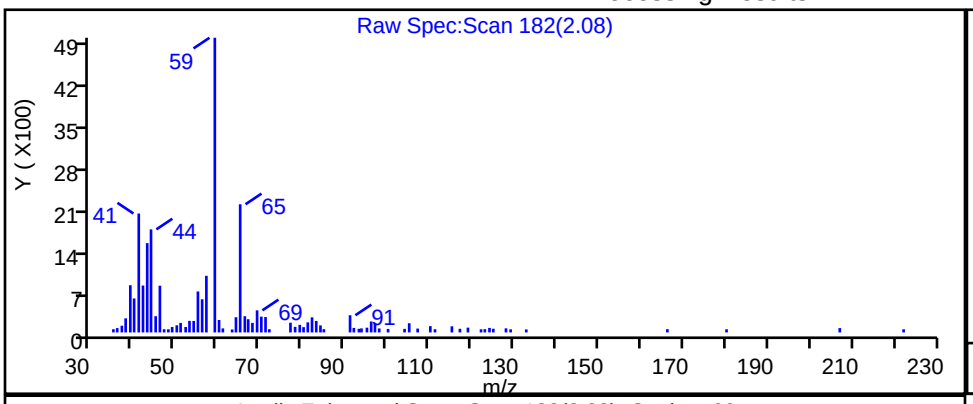
User Disabled Compound Report

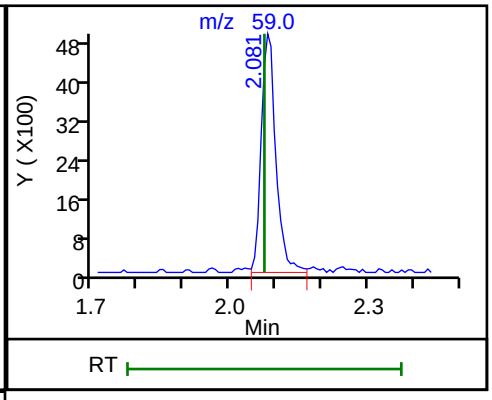
TestAmerica Edison

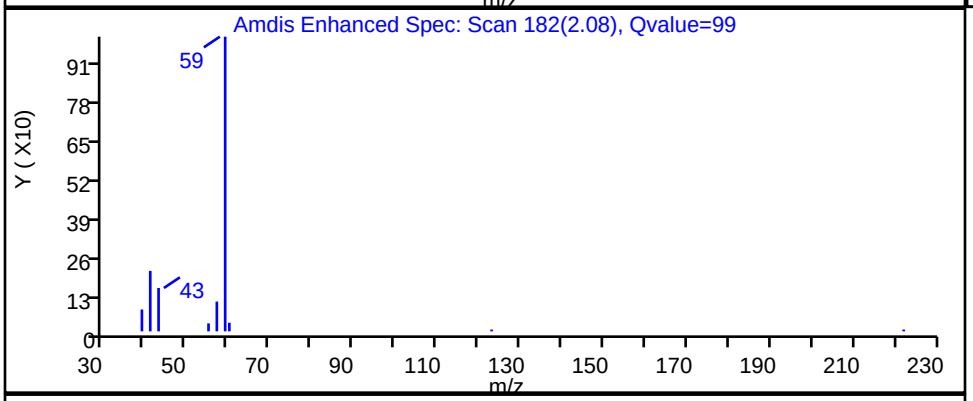
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

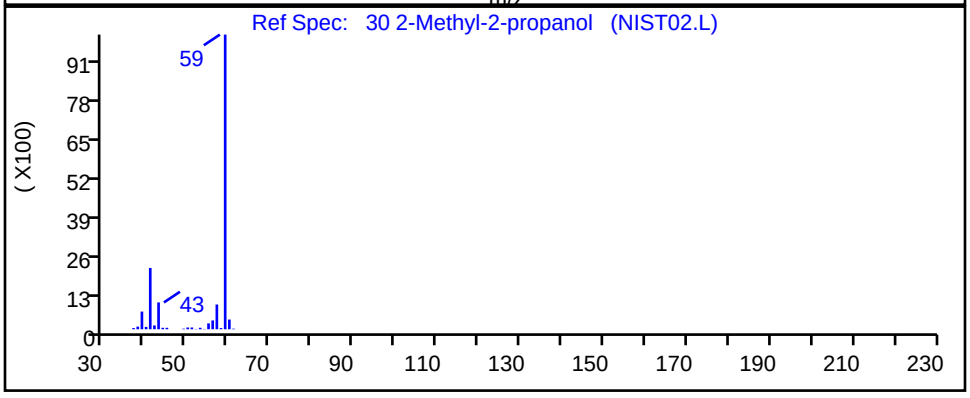
## 30 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.08 | 59.00 | 11109 | 52.098031 |

Reviewer: boykink, 05-Oct-2018 19:07:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

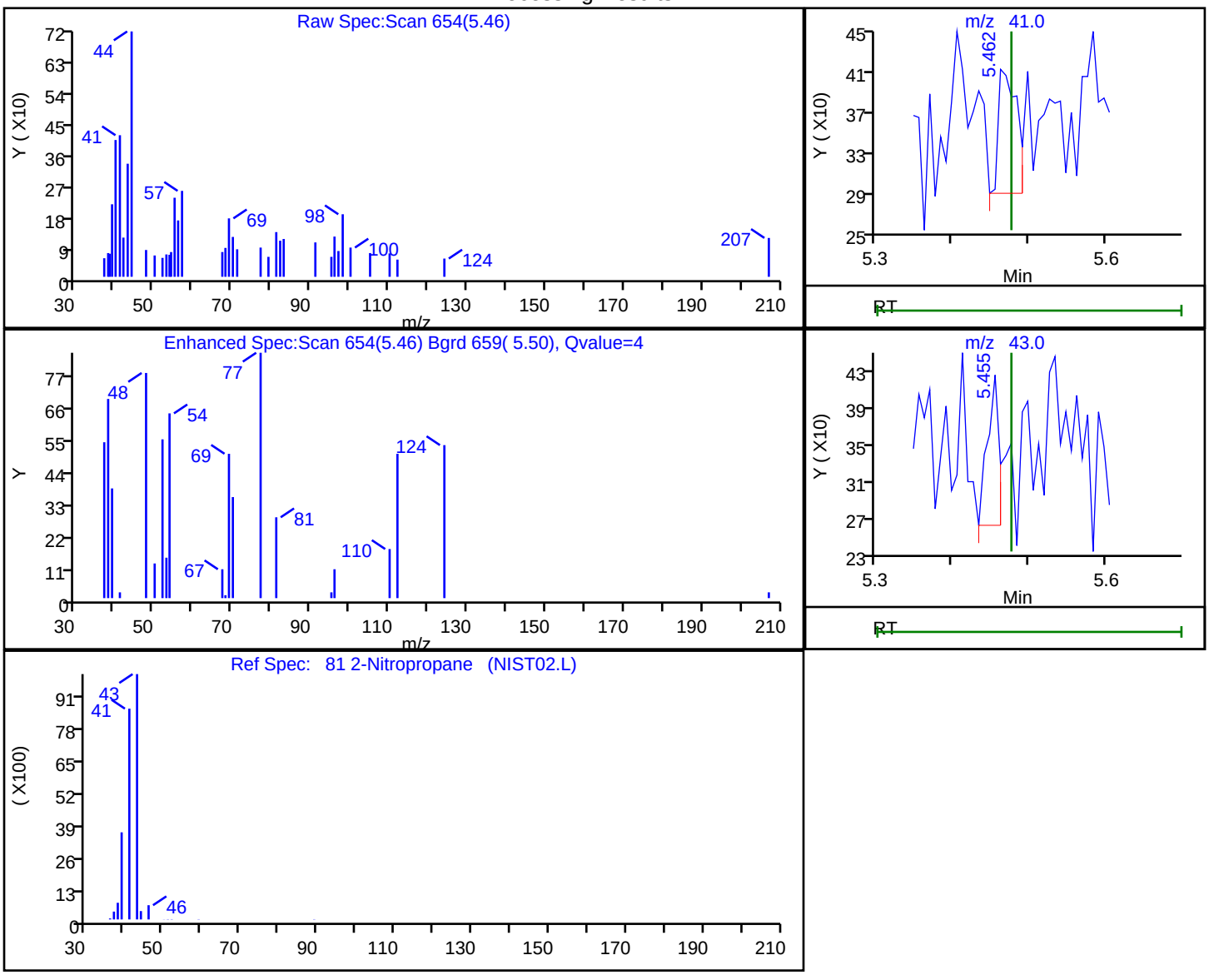
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 81 2-Nitropropane, CAS: 79-46-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.46 | 41.00 | 204 | 0.295942 |
| 5.45 | 43.00 | 165 | |

Reviewer: boykink, 05-Oct-2018 19:08:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

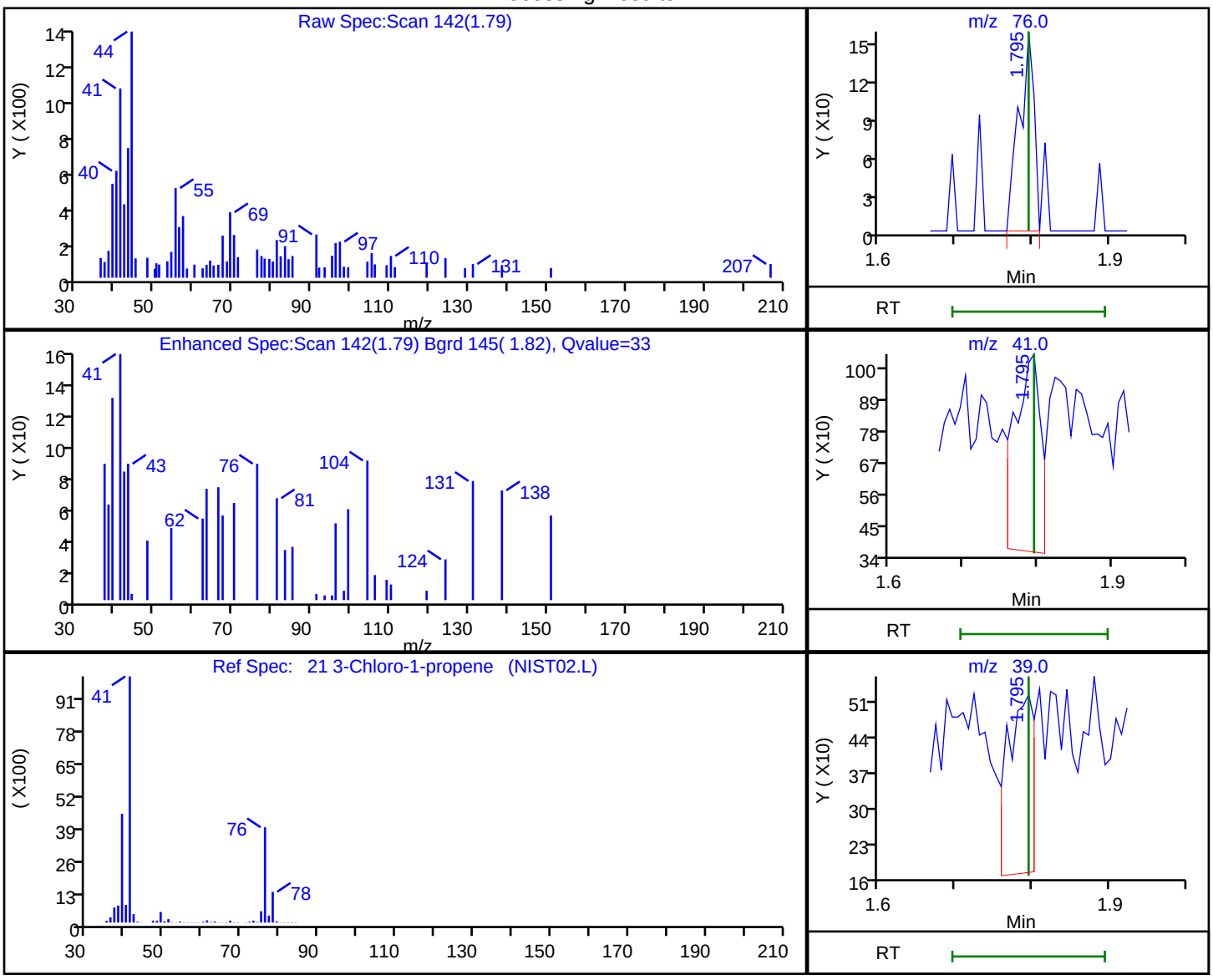
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 21 3-Chloro-1-propene, CAS: 107-05-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.79 | 76.00 | 211 | 0.145902 |
| 1.79 | 41.00 | 1750 | |
| 1.79 | 39.00 | 867 | |

Reviewer: boykink, 05-Oct-2018 19:07:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

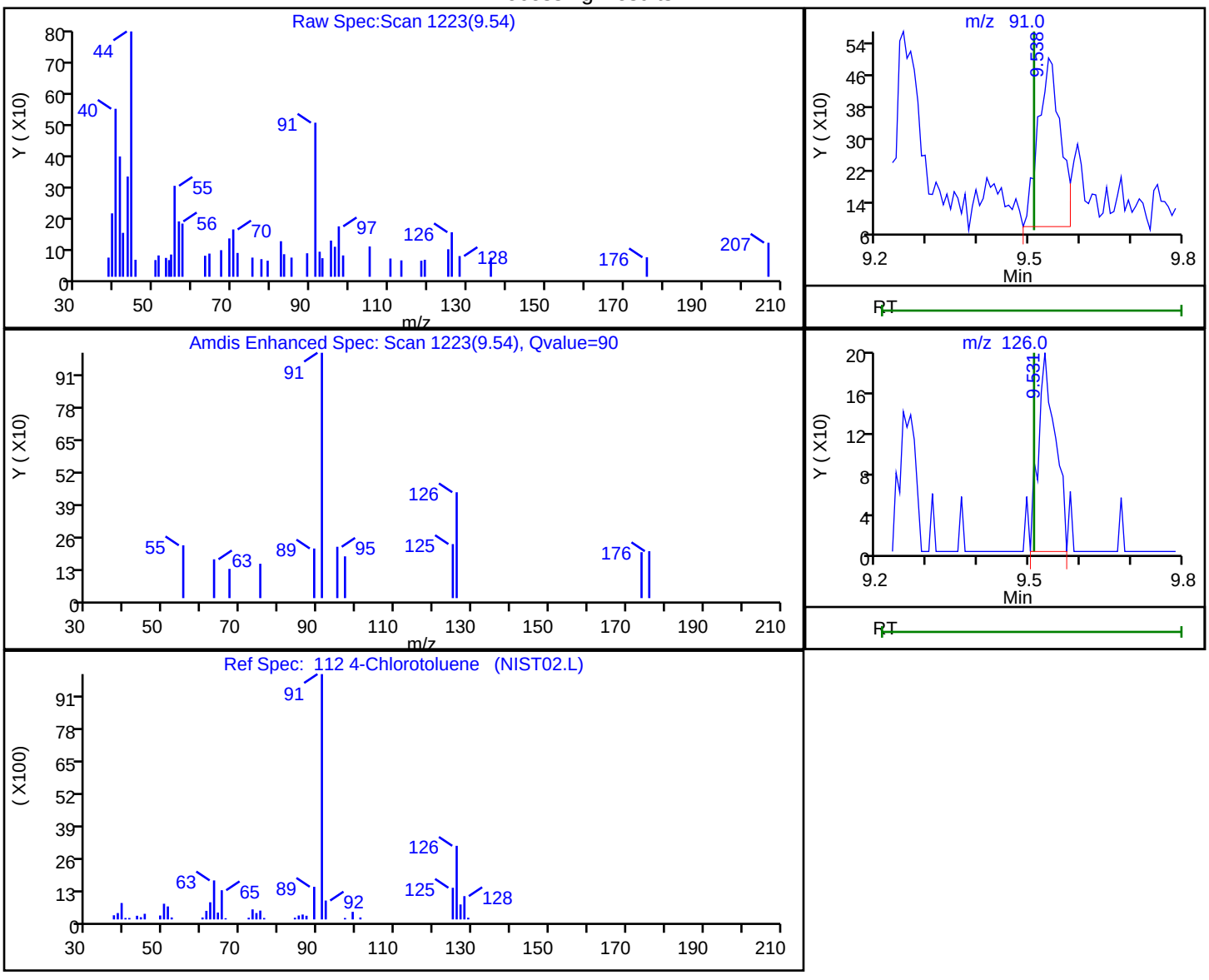
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 112 4-Chlorotoluene, CAS: 106-43-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.54 | 91.00 | 1297 | 0.170602 |
| 9.53 | 126.00 | 447 | |

Reviewer: boykink, 05-Oct-2018 19:08:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

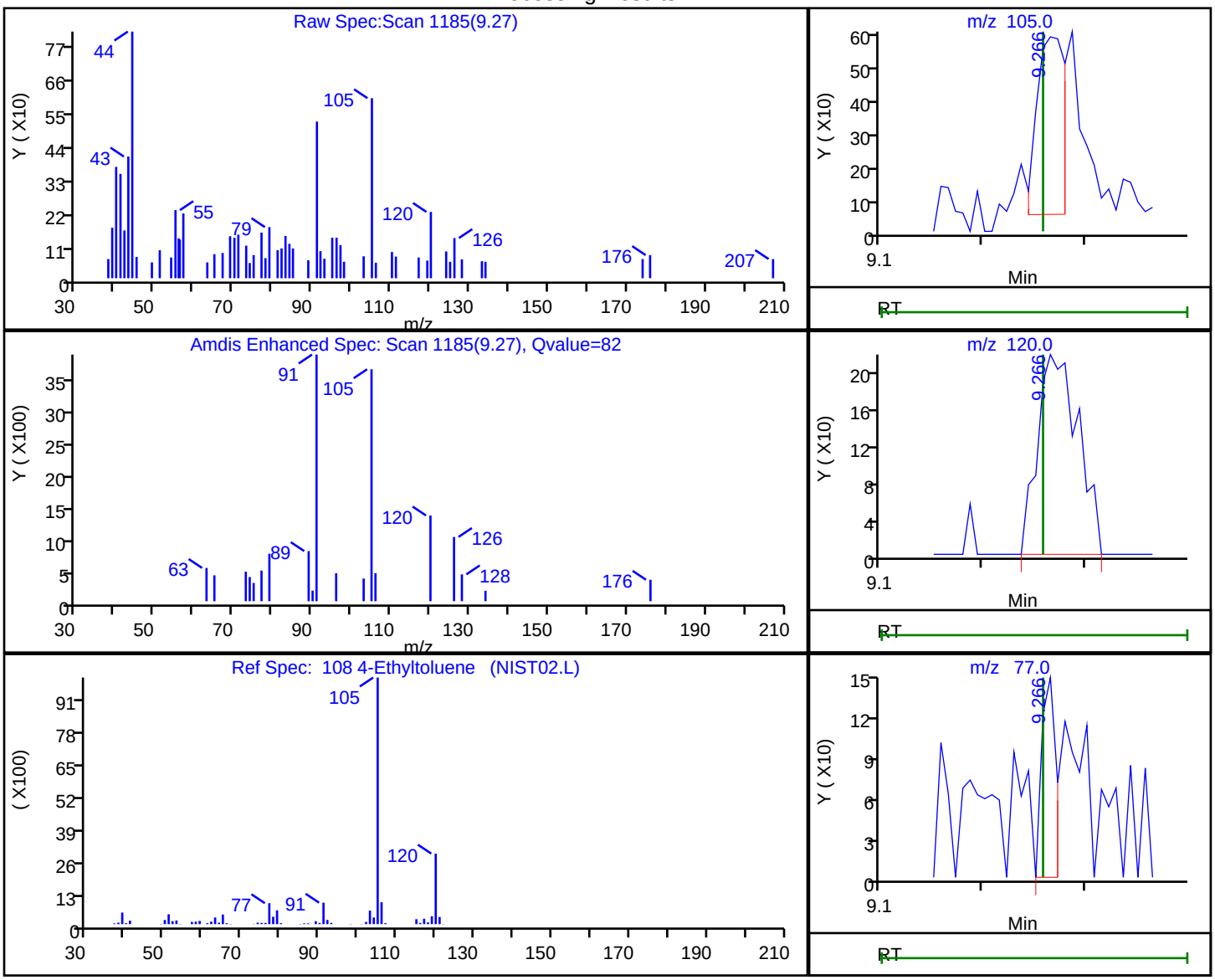
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 108 4-Ethyltoluene, CAS: 622-96-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.27 | 105.00 | 1044 | 0.091637 |
| 9.27 | 120.00 | 606 | |
| 9.27 | 77.00 | 148 | |

Reviewer: boykink, 05-Oct-2018 19:08:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

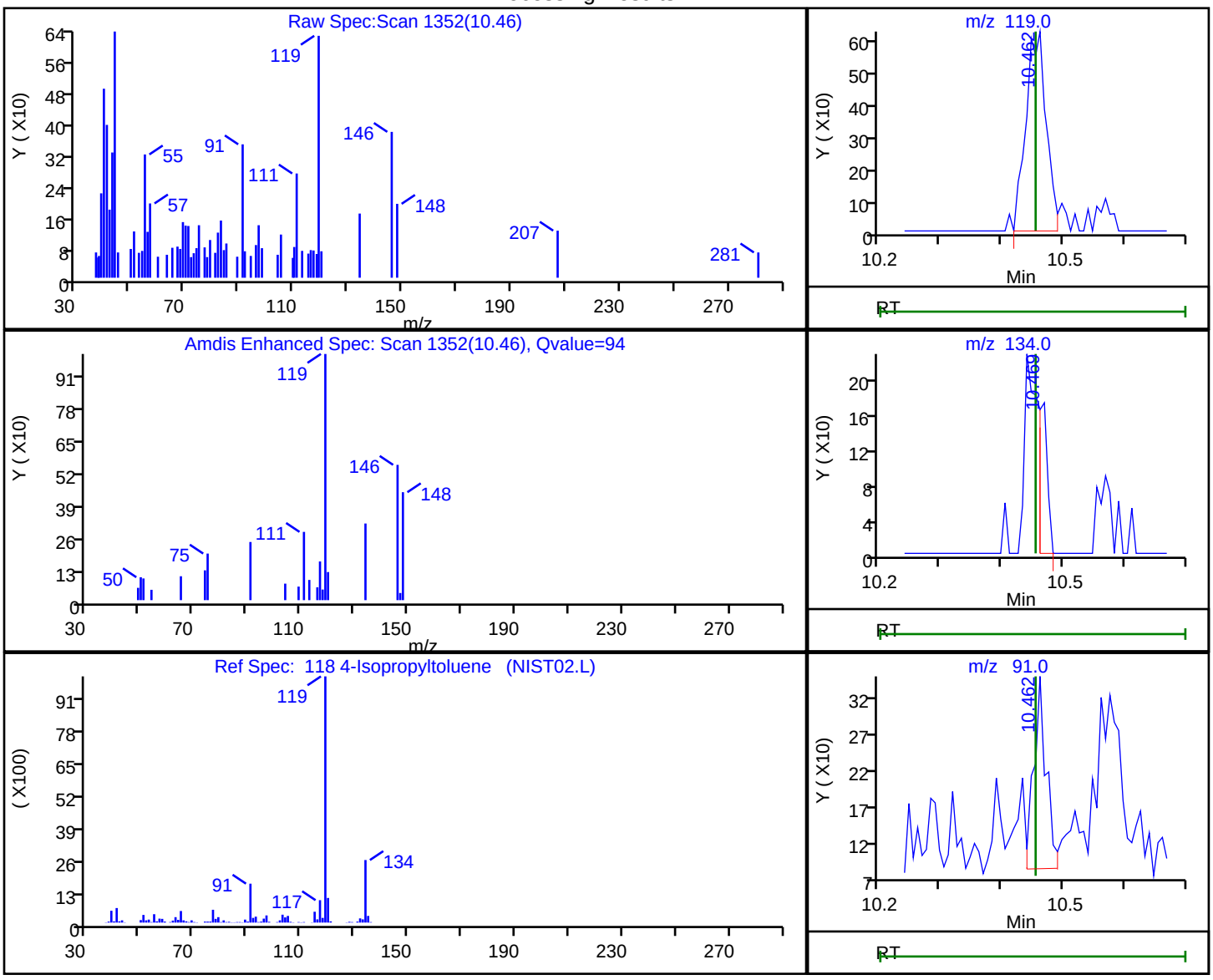
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 118 4-Isopropyltoluene, CAS: 99-87-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.46 | 119.00 | 1439 | 0.139494 |
| 10.47 | 134.00 | 173 | |
| 10.46 | 91.00 | 365 | |

Reviewer: boykink, 05-Oct-2018 19:08:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

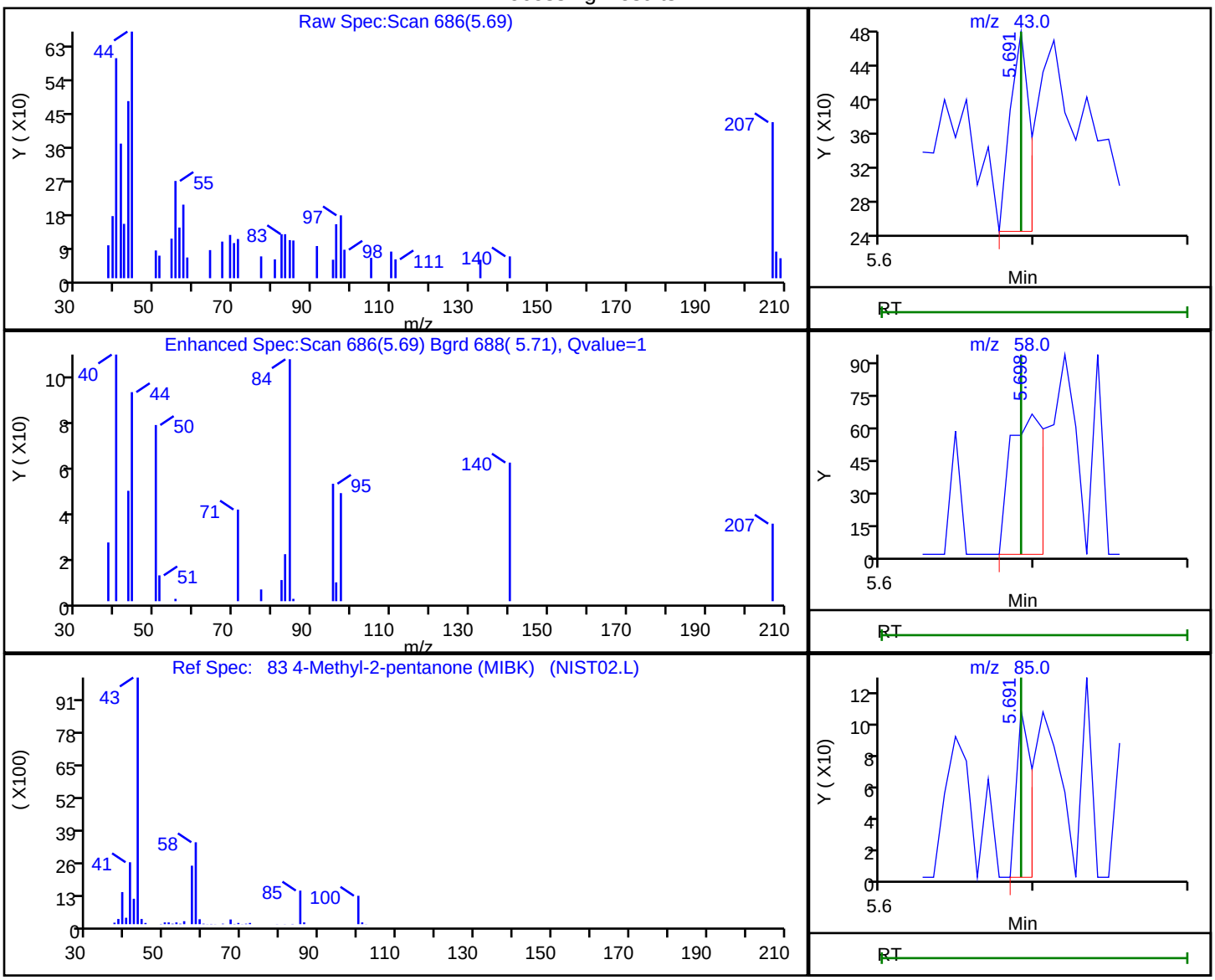
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 83 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.69 | 43.00 | 207 | 0.118734 |
| 5.70 | 58.00 | 102 | |
| 5.69 | 85.00 | 72 | |
| 5.68 | 100.00 | 29 | |

Reviewer: boykink, 05-Oct-2018 19:08:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

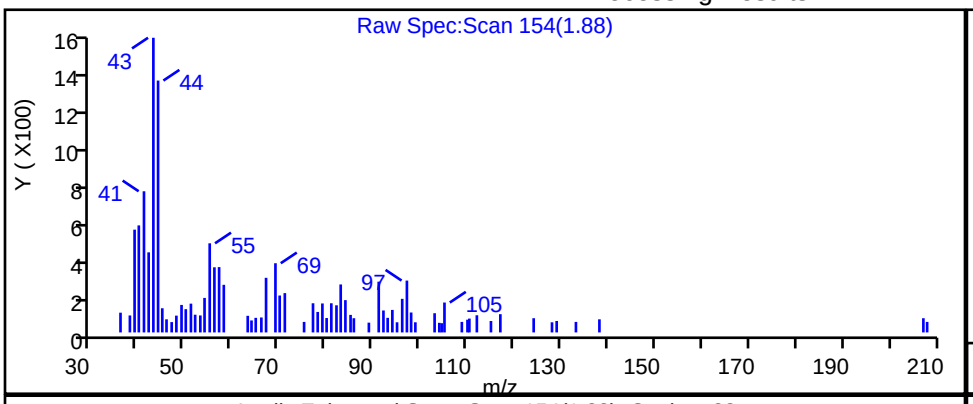
User Disabled Compound Report

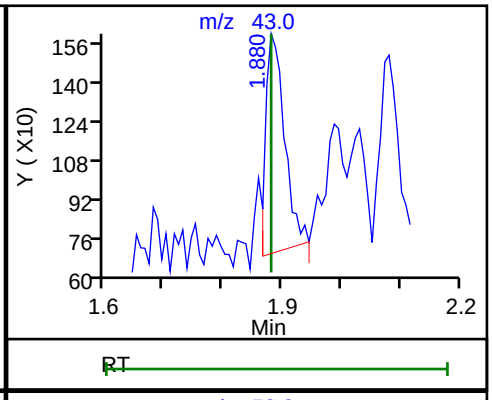
TestAmerica Edison

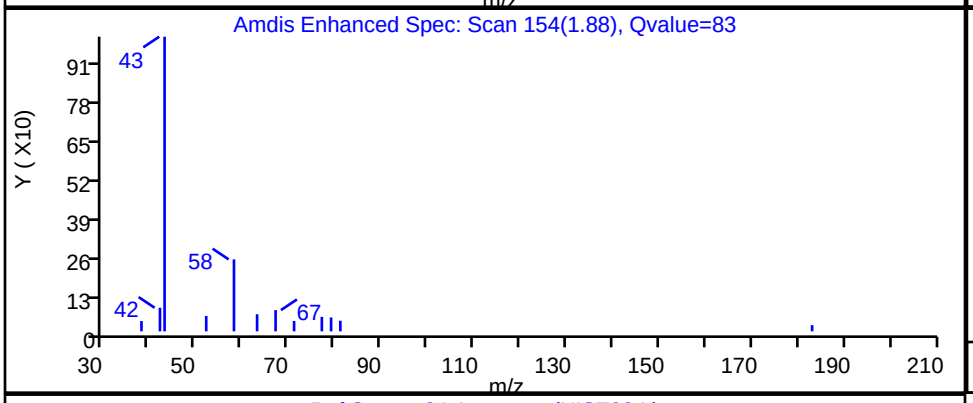
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

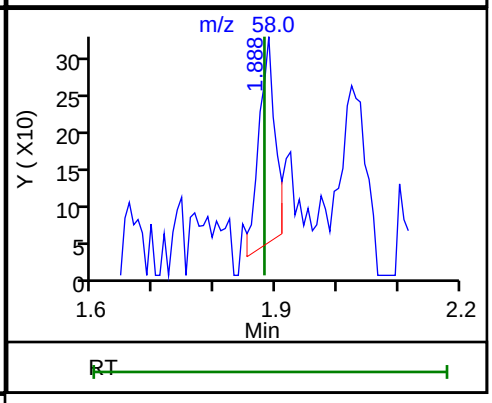
## 24 Acetone, CAS: 67-64-1

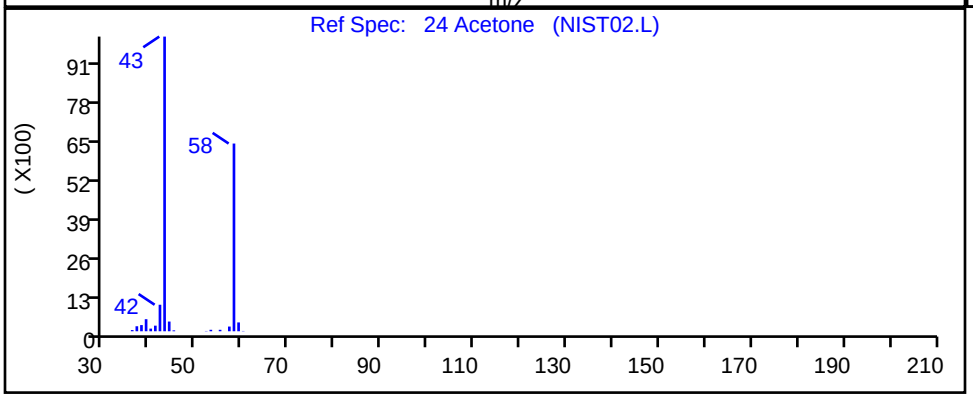
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.88 | 43.00 | 1994 | 2.556618 |
| 1.89 | 58.00 | 511 | |

Reviewer: boykink, 05-Oct-2018 19:07:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

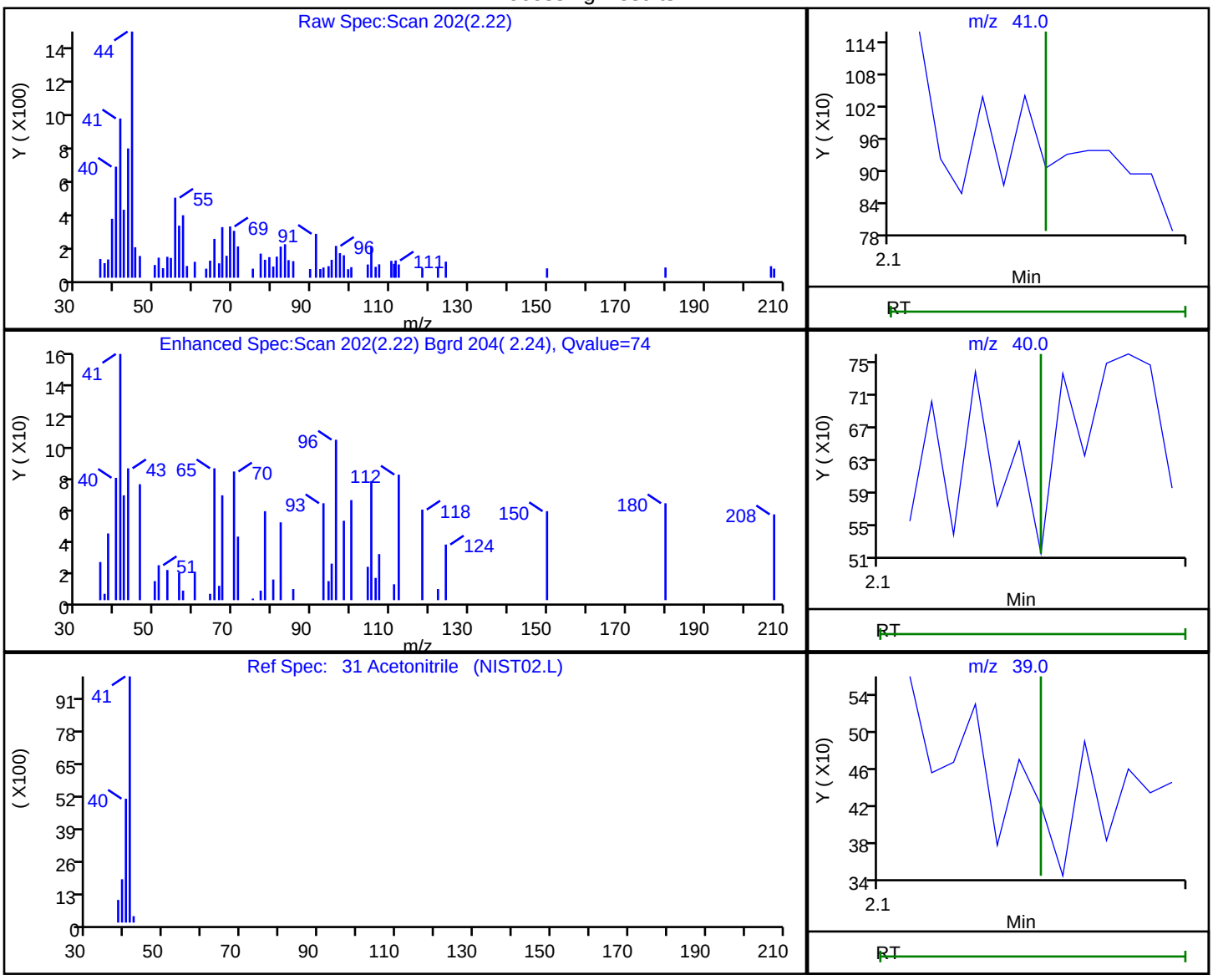
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 31 Acetonitrile, CAS: 75-05-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.22 | 41.00 | 612 | 31.721315 |
| 2.22 | 40.00 | 267 | |
| 2.23 | 39.00 | 241 | |
| 2.22 | 38.00 | 140 | |

Reviewer: boykink, 05-Oct-2018 19:07:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

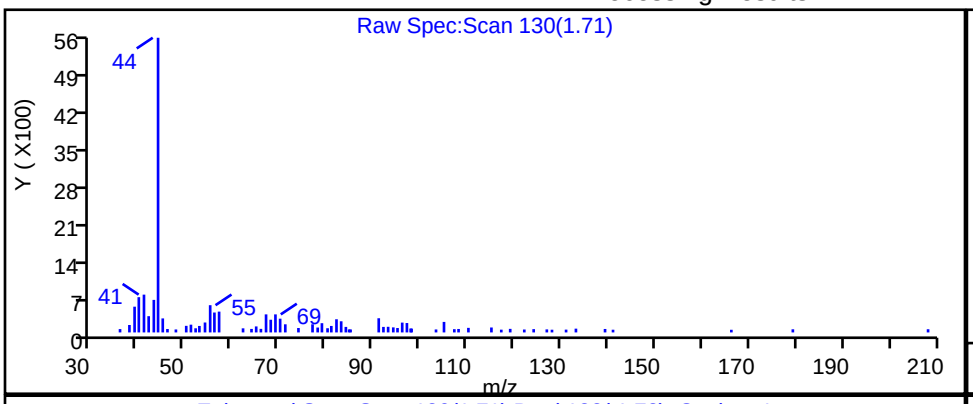
User Disabled Compound Report

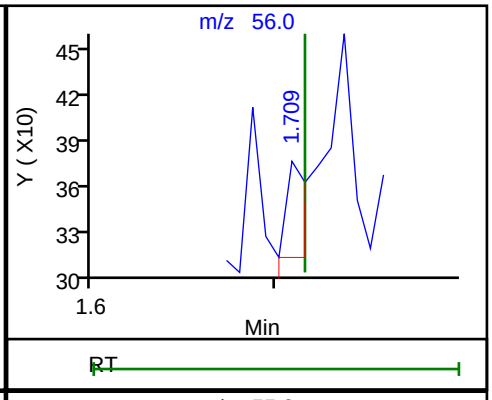
TestAmerica Edison

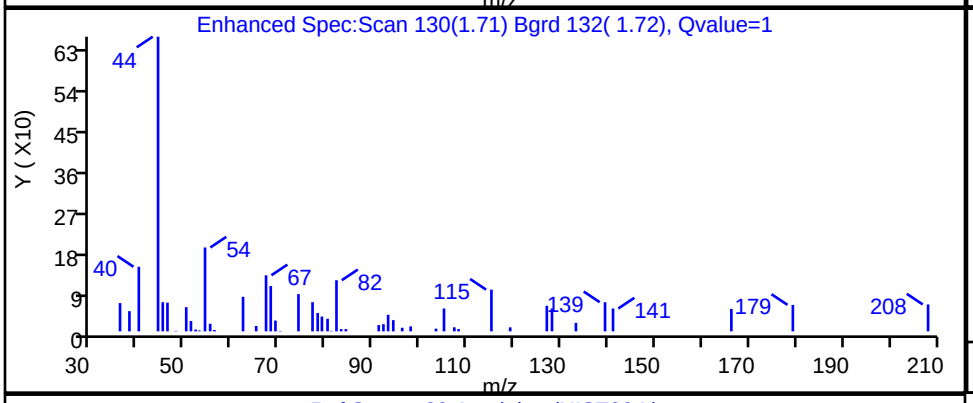
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

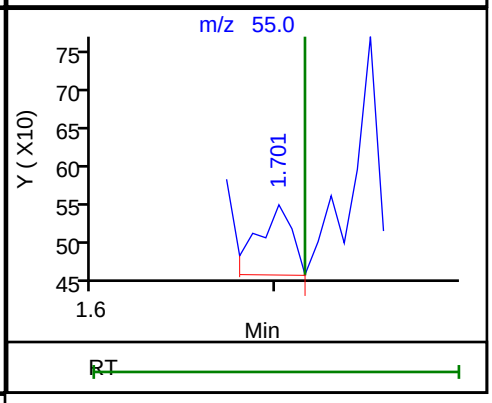
## 20 Acrolein, CAS: 107-02-8

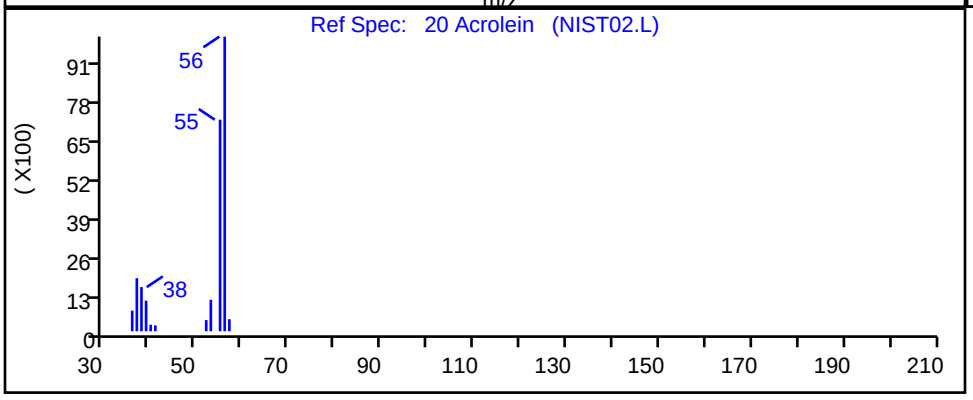
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.71 | 56.00 | 49 | 0.212004 |
| 1.70 | 55.00 | 123 | |

Reviewer: boykink, 05-Oct-2018 19:07:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

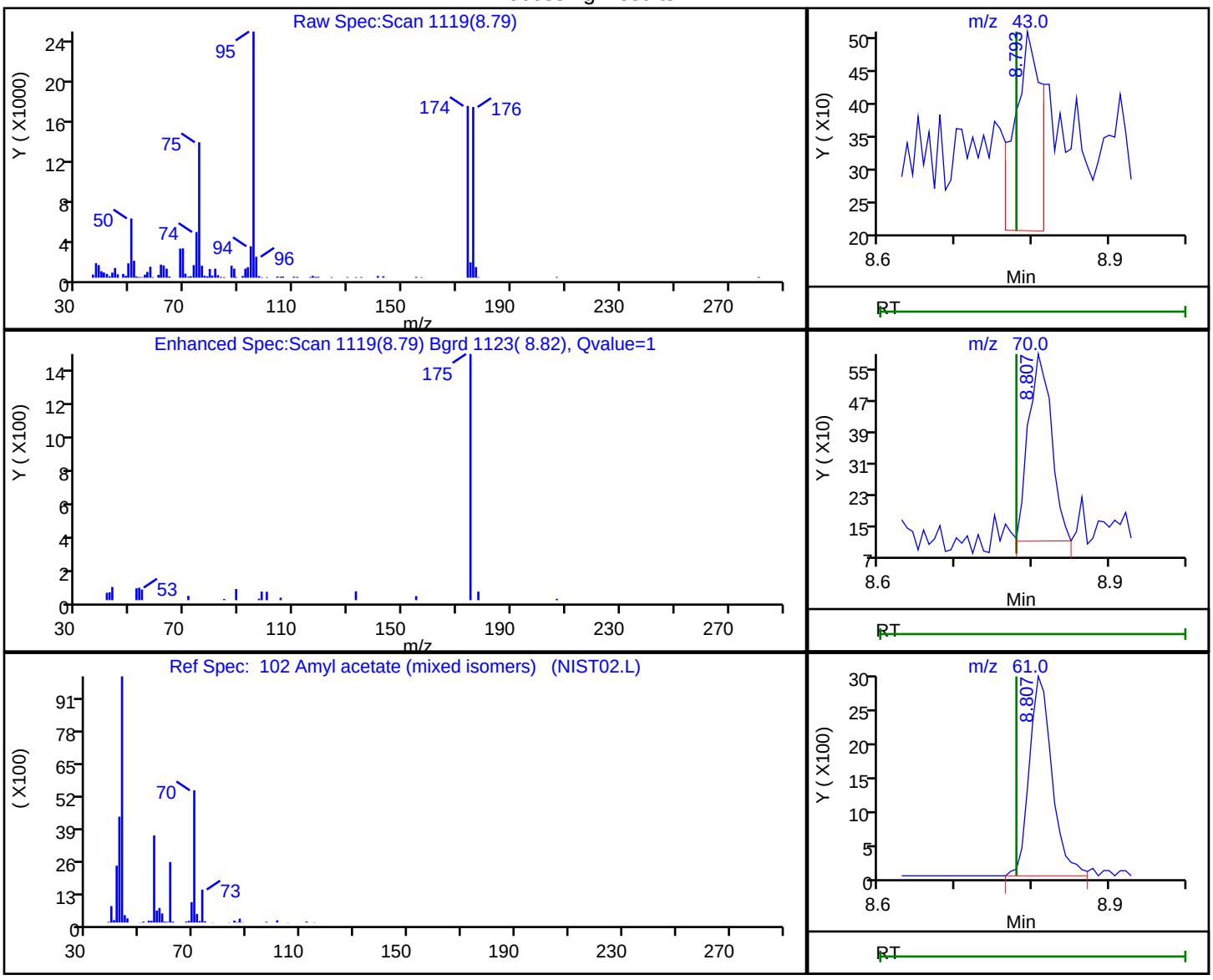
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 102 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.79 | 43.00 | 717 | 0.331591 |
| 8.81 | 70.00 | 1003 | |
| 8.81 | 61.00 | 6114 | |

Reviewer: boykink, 05-Oct-2018 19:08:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

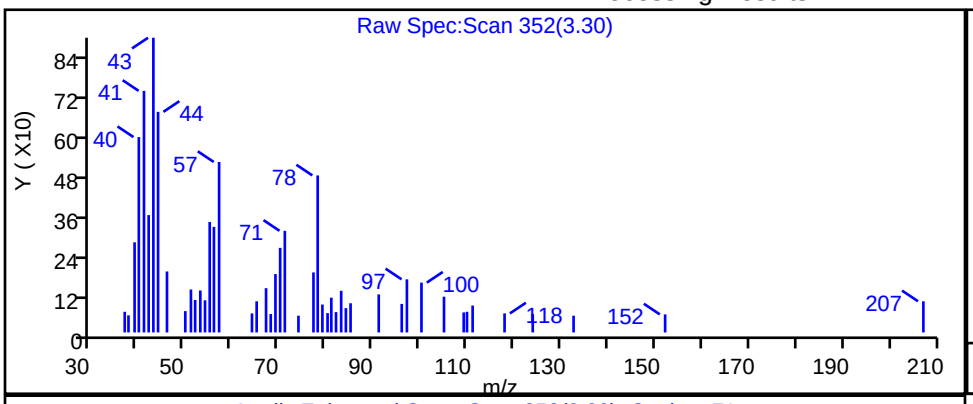
User Disabled Compound Report

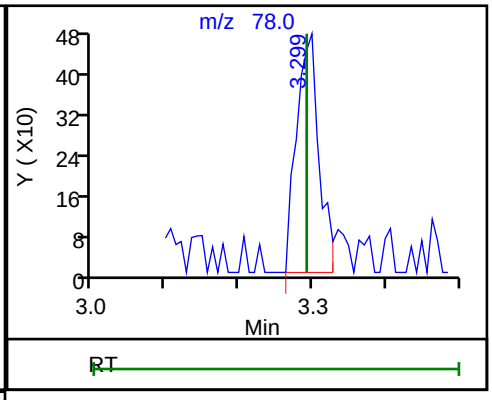
TestAmerica Edison

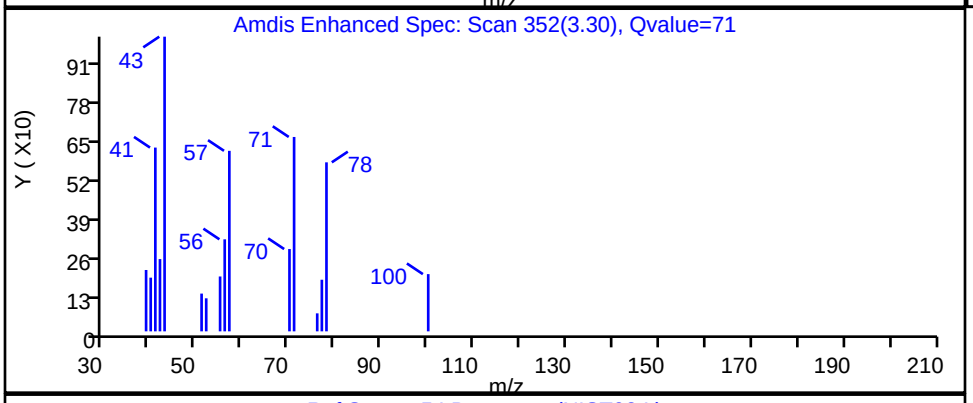
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

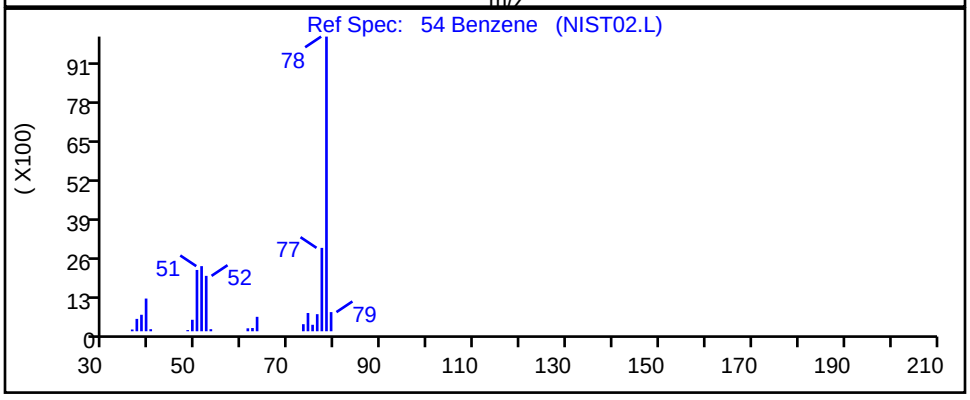
## 54 Benzene, CAS: 71-43-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.30 | 78.00 | 1024 | 0.109404 |

Reviewer: boykink, 05-Oct-2018 19:07:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

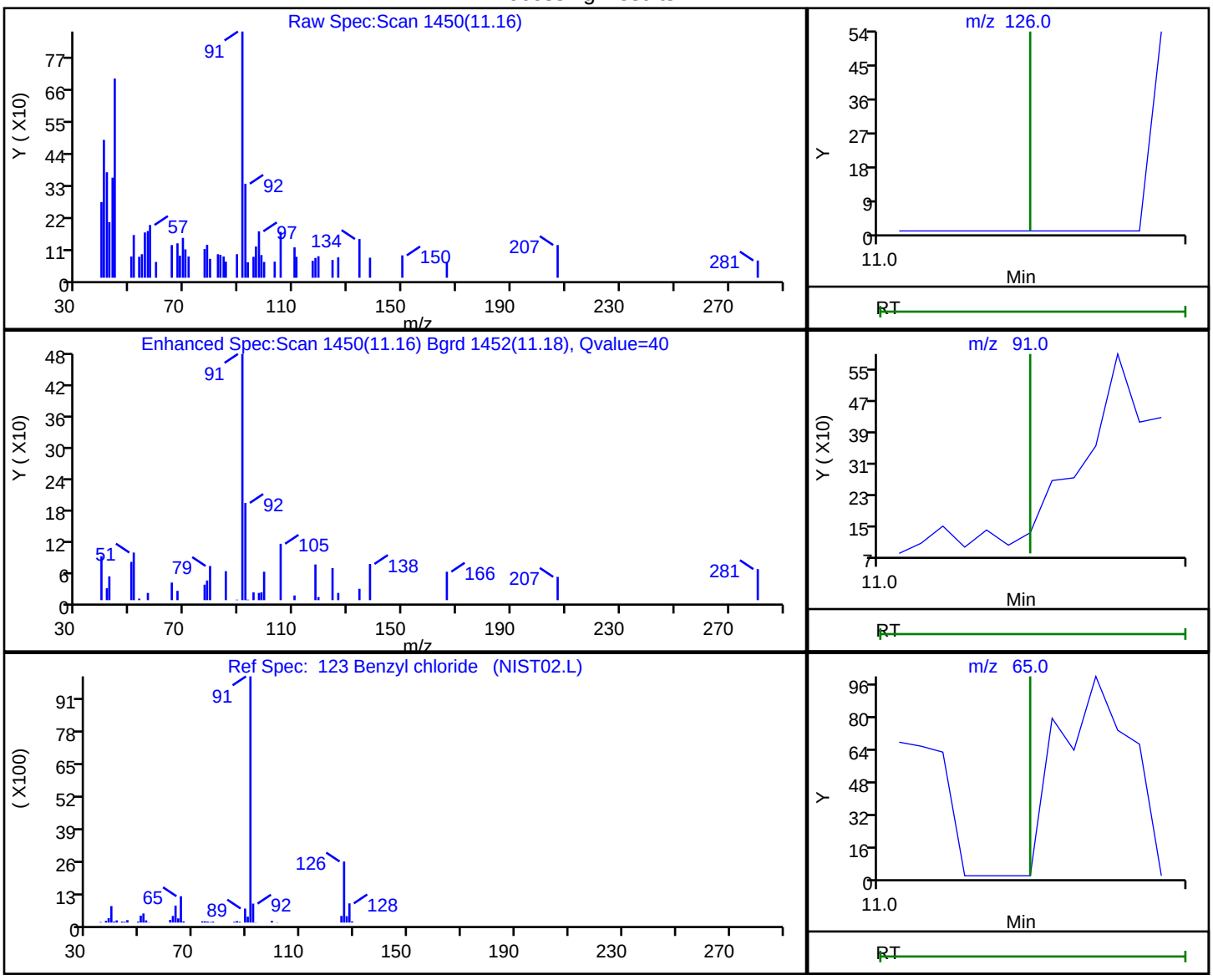
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 123 Benzyl chloride, CAS: 100-44-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.16 | 126.00 | 31 | 0.060691 |
| 11.16 | 91.00 | 1678 | |
| 11.16 | 65.00 | 359 | |

Reviewer: boykink, 05-Oct-2018 19:08:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

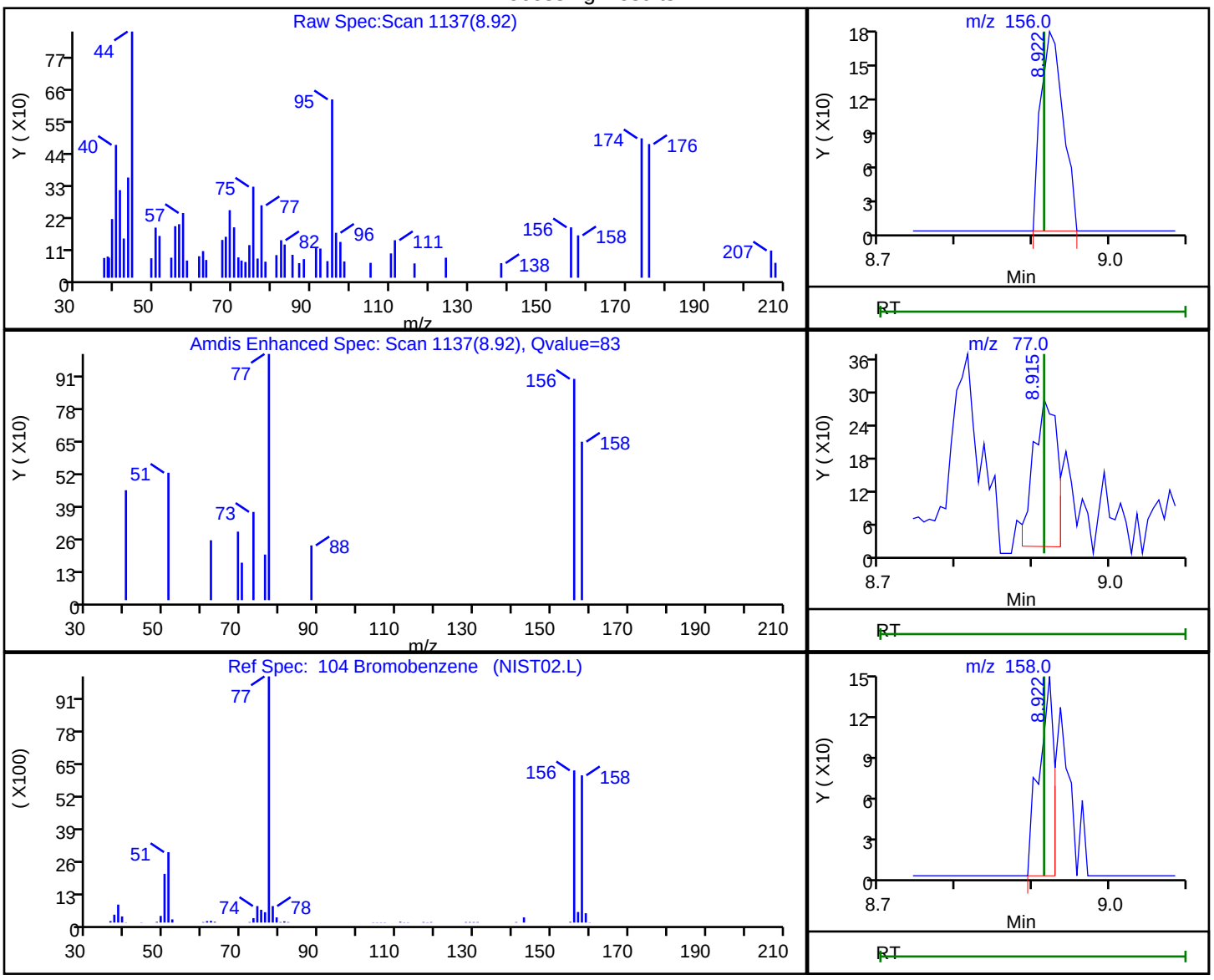
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 104 Bromobenzene, CAS: 108-86-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.92 | 156.00 | 358 | 0.135108 |
| 8.91 | 77.00 | 580 | |
| 8.92 | 158.00 | 203 | |

Reviewer: boykink, 05-Oct-2018 19:08:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

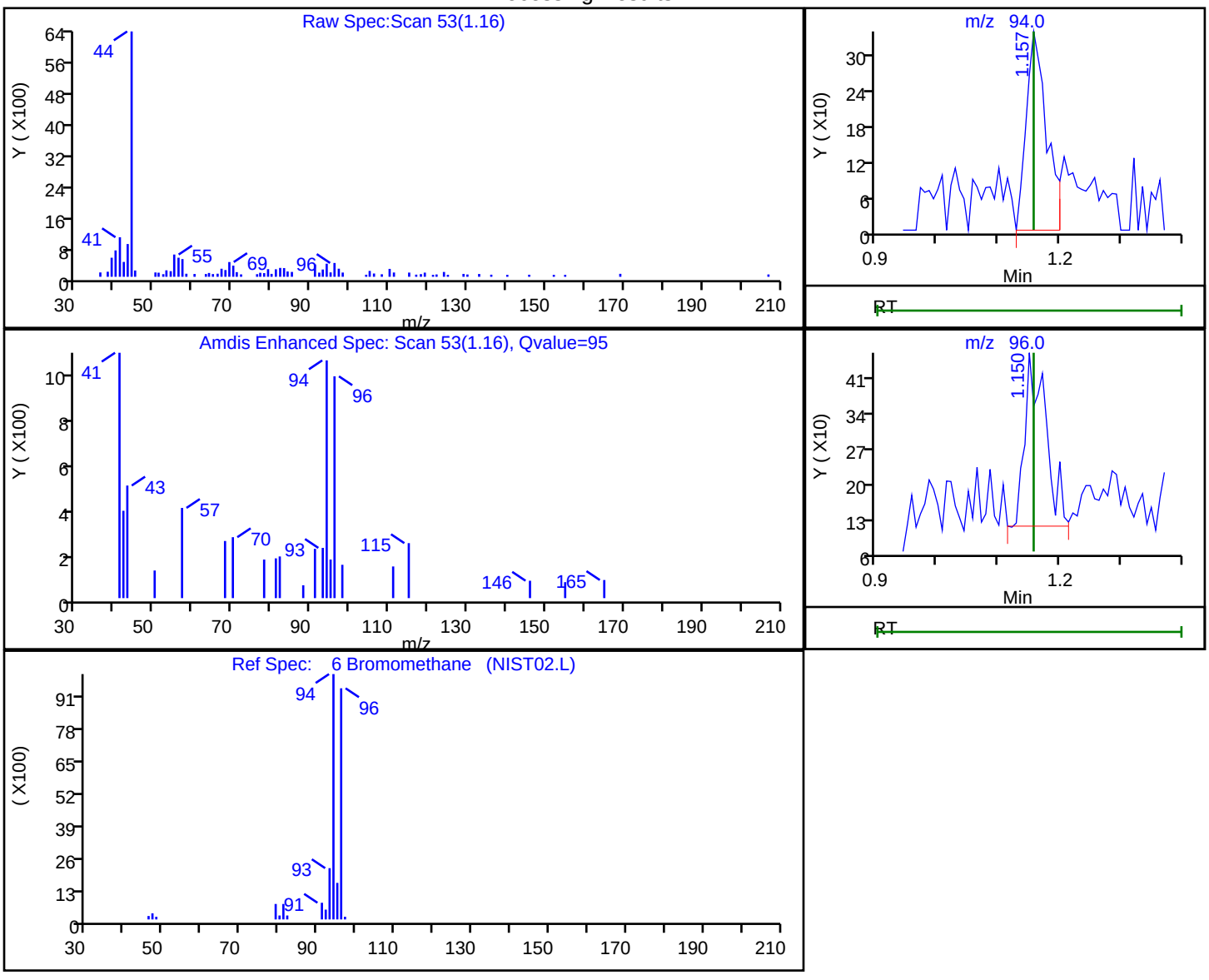
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 6 Bromomethane, CAS: 74-83-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.16 | 94.00 | 784 | 0.250000 |
| 1.15 | 96.00 | 811 | |

Reviewer: boykink, 05-Oct-2018 17:37:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

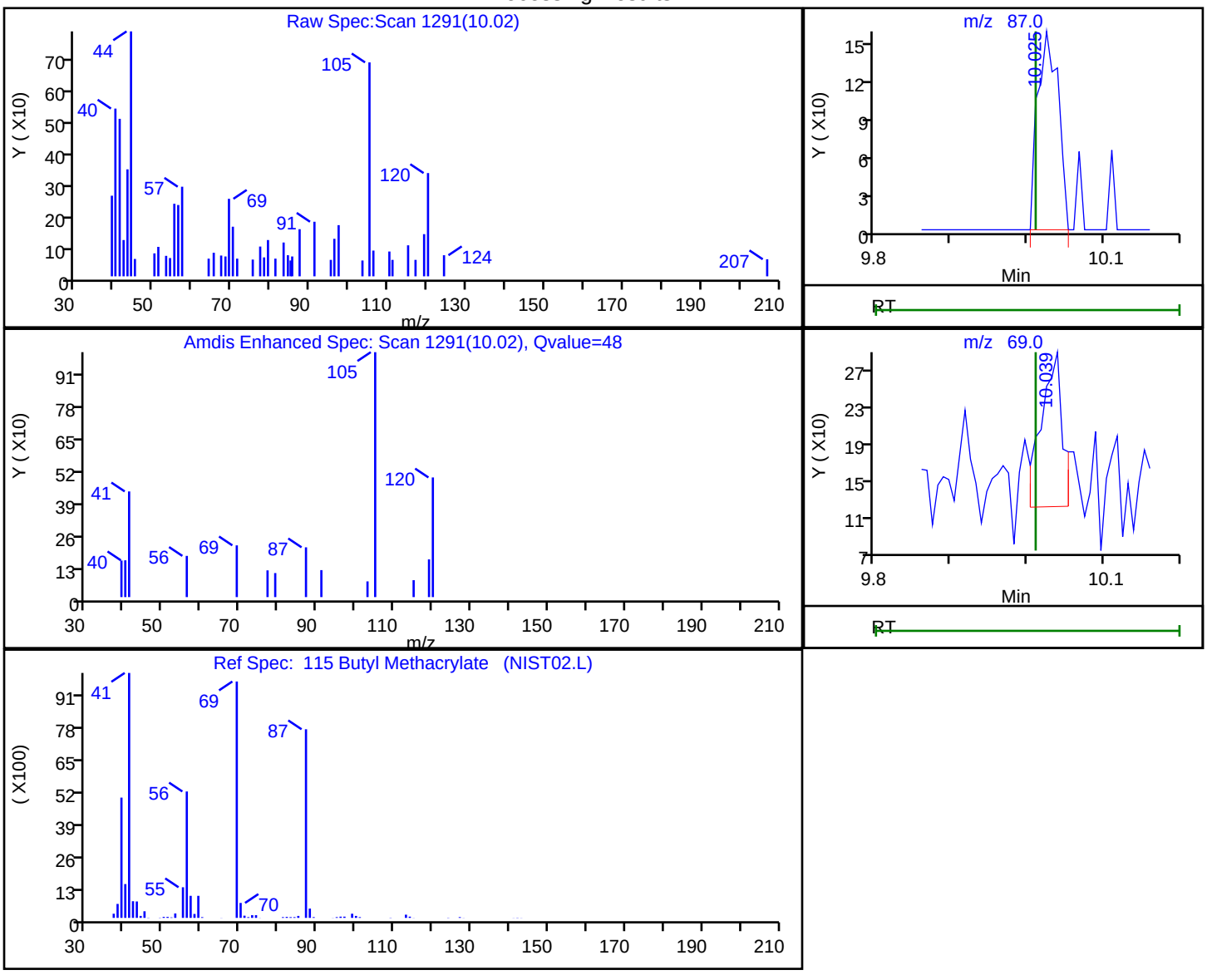
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 115 Butyl Methacrylate, CAS: 97-88-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.02 | 87.00 | 286 | 0.090829 |
| 10.04 | 69.00 | 328 | |

Reviewer: boykink, 05-Oct-2018 19:08:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

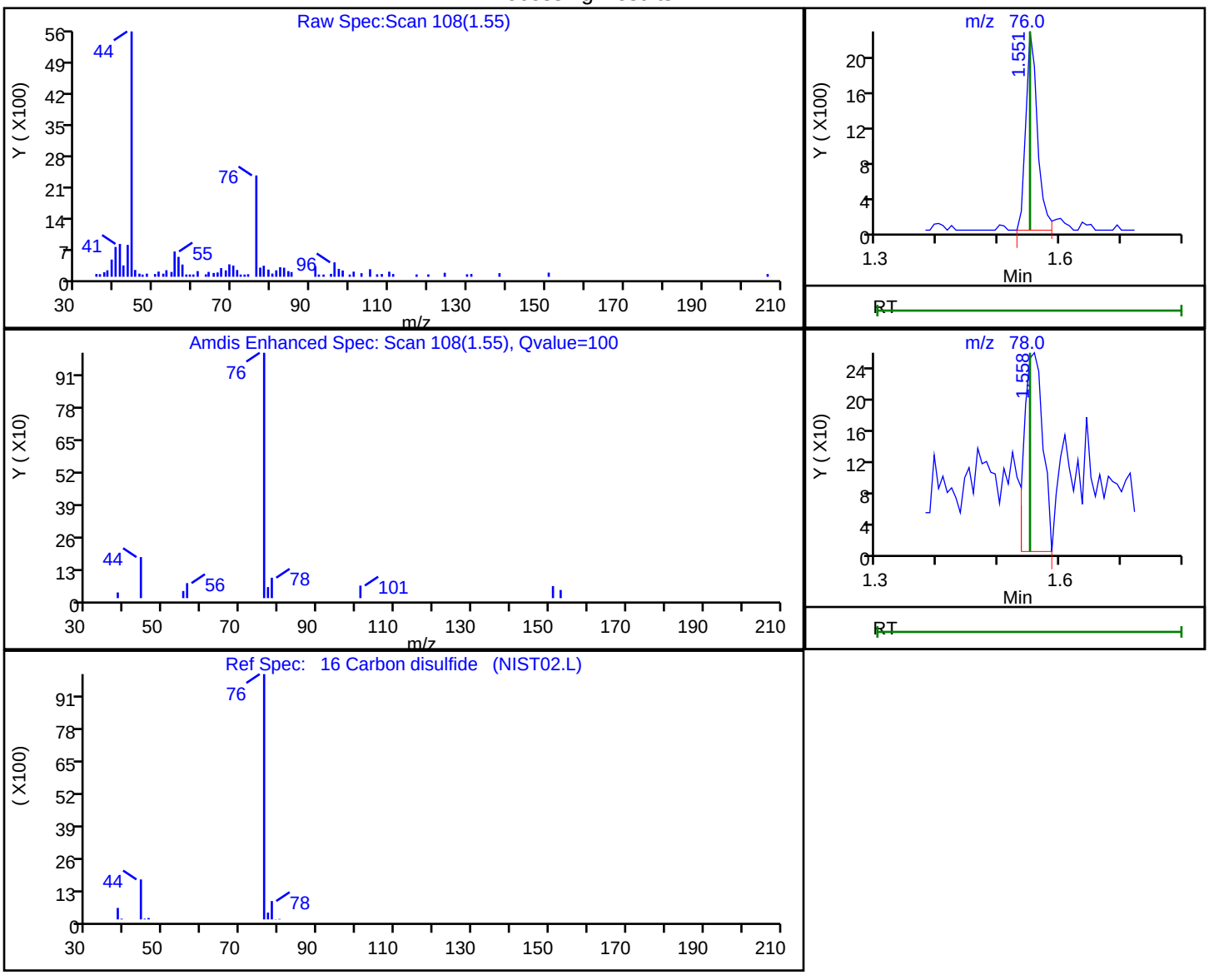
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 16 Carbon disulfide, CAS: 75-15-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.55 | 76.00 | 3031 | 0.407856 |
| 1.56 | 78.00 | 533 | |

Reviewer: boykink, 05-Oct-2018 19:07:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

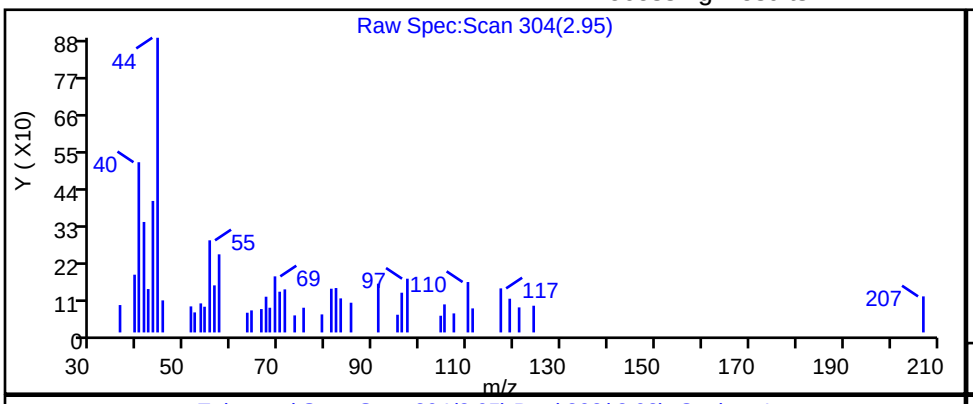
User Disabled Compound Report

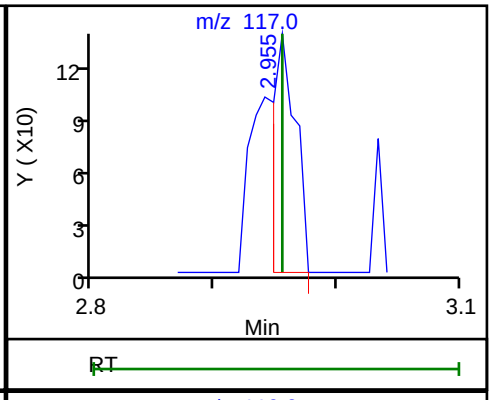
TestAmerica Edison

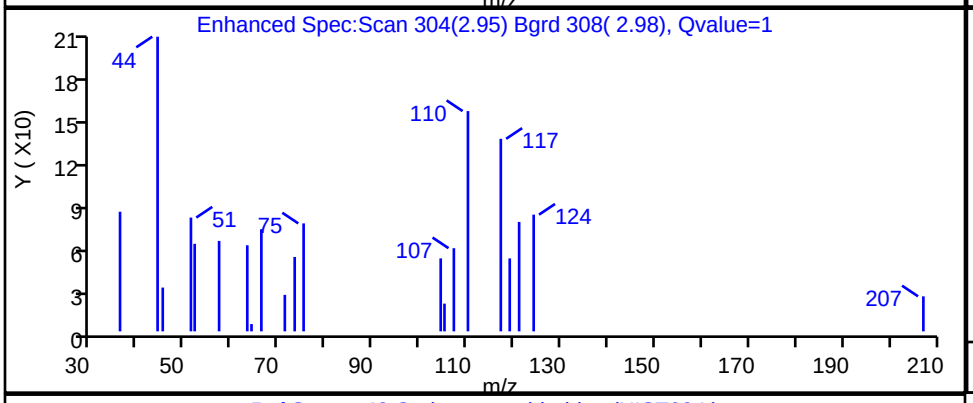
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

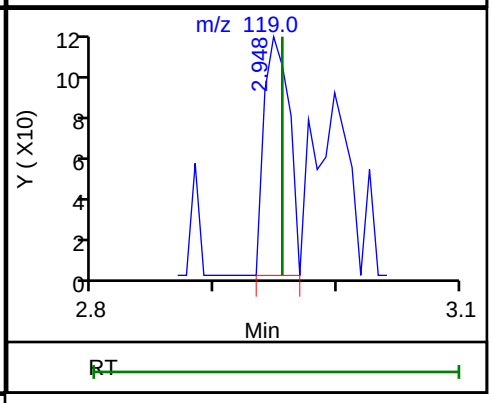
## 43 Carbon tetrachloride, CAS: 56-23-5

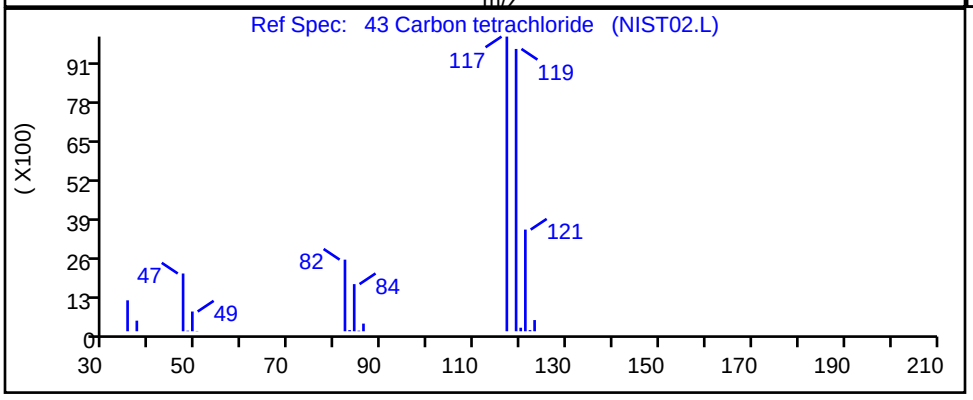
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.95 | 117.00 | 169 | 0.060363 |
| 2.95 | 119.00 | 164 | |

Reviewer: boykink, 05-Oct-2018 19:07:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

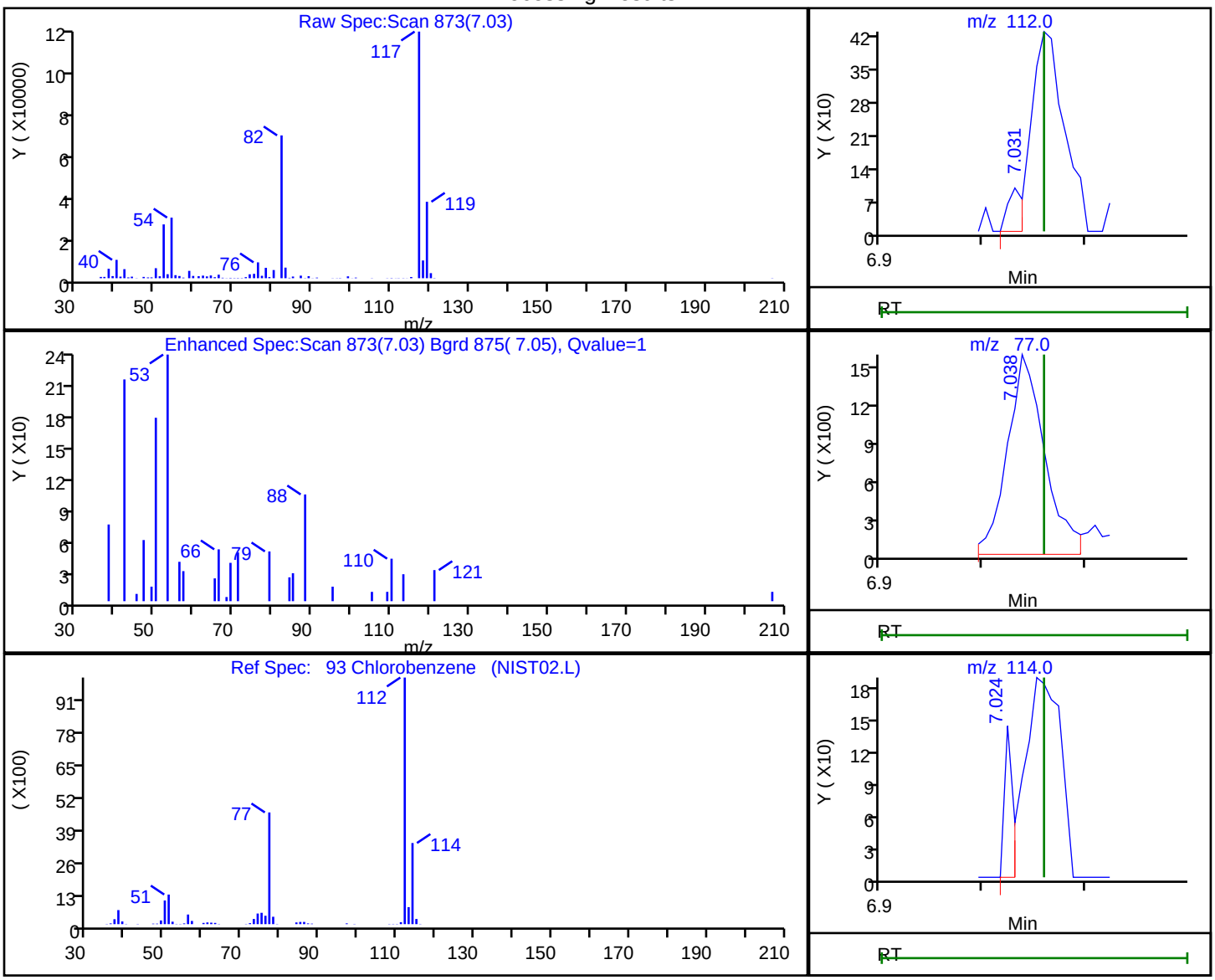
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 93 Chlorobenzene, CAS: 108-90-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.03 | 112.00 | 94 | 0.014056 |
| 7.04 | 77.00 | 4054 | |
| 7.02 | 114.00 | 84 | |

Reviewer: boykink, 05-Oct-2018 19:08:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

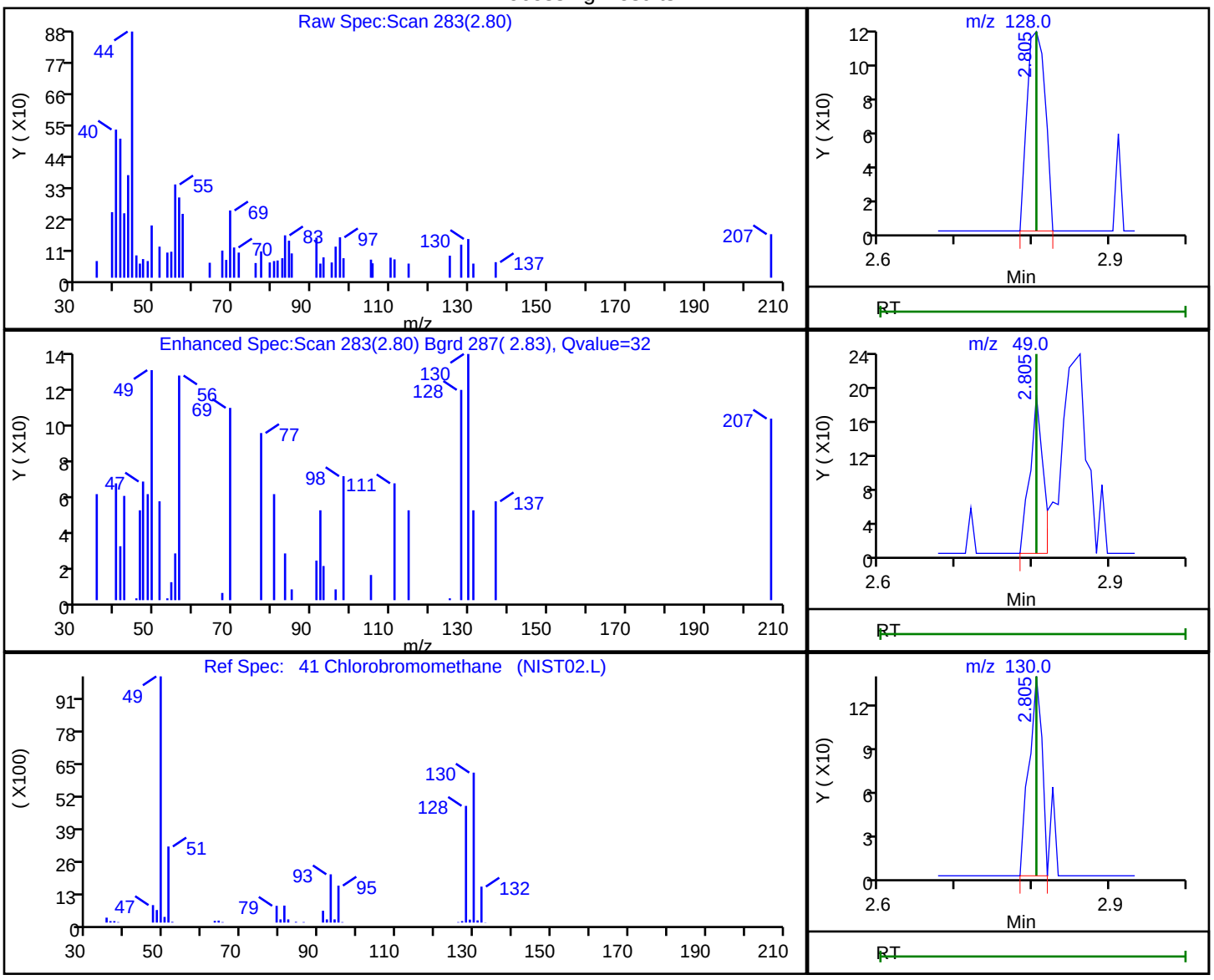
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 41 Chlorobromomethane, CAS: 74-97-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.80 | 128.00 | 194 | 0.162804 |
| 2.80 | 49.00 | 219 | |
| 2.80 | 130.00 | 162 | |

Reviewer: boykink, 05-Oct-2018 19:07:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

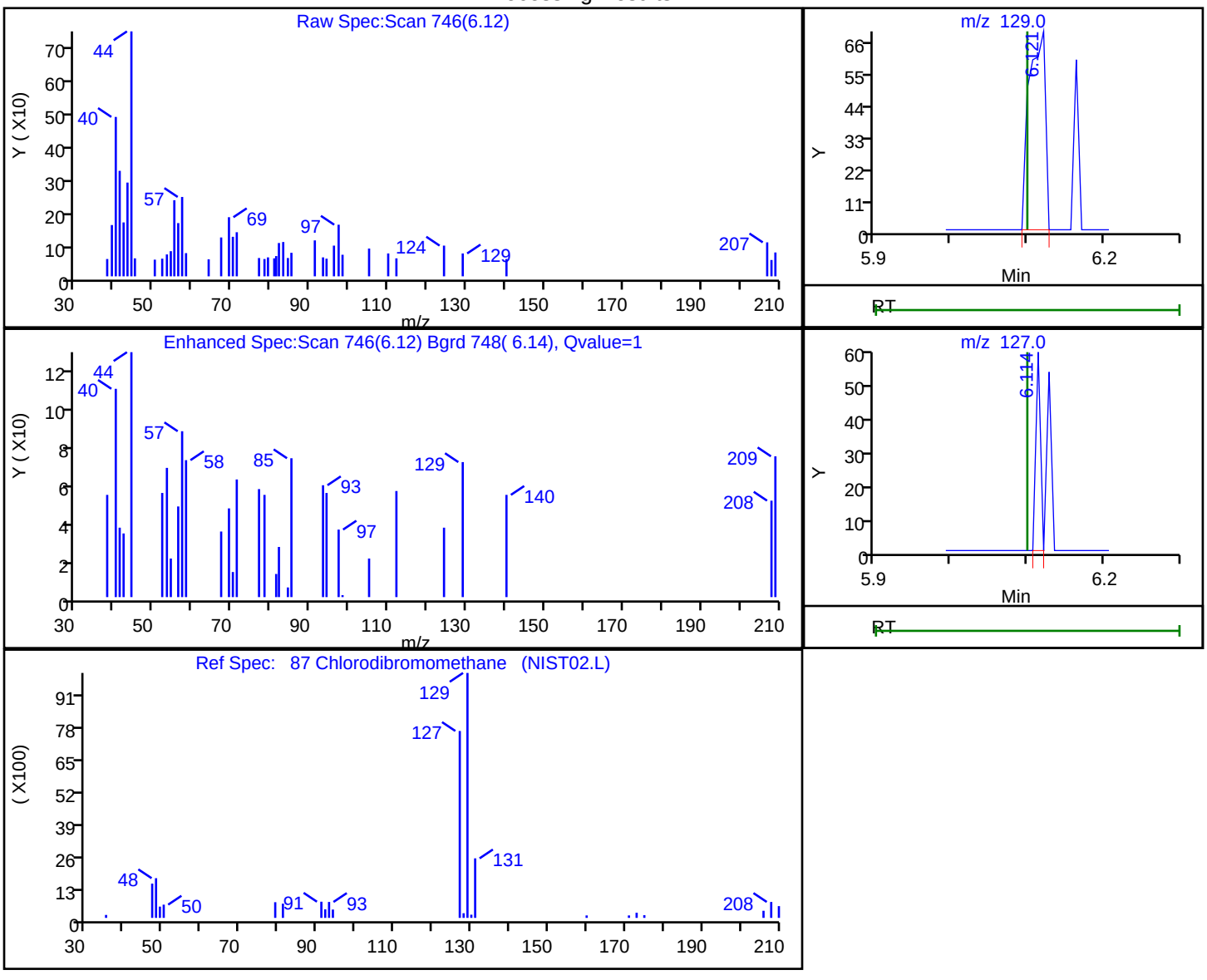
User Disabled Compound Report

TestAmerica Edison

| | | | |
|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D | | |
| Injection Date: | 05-Oct-2018 18:07:30 | Instrument ID: | CVOAMS13 |
| Lims ID: | STD8 | | |
| Client ID: | | | |
| Operator ID: | | ALS Bottle#: | 1 Worklist Smp#: 2 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN |

## 87 Chlorodibromomethane, CAS: 124-48-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 6.12 | 129.00 | 104 | 0.054425 |
| 6.11 | 127.00 | 26 | |

Reviewer: boykink, 05-Oct-2018 19:08:28

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

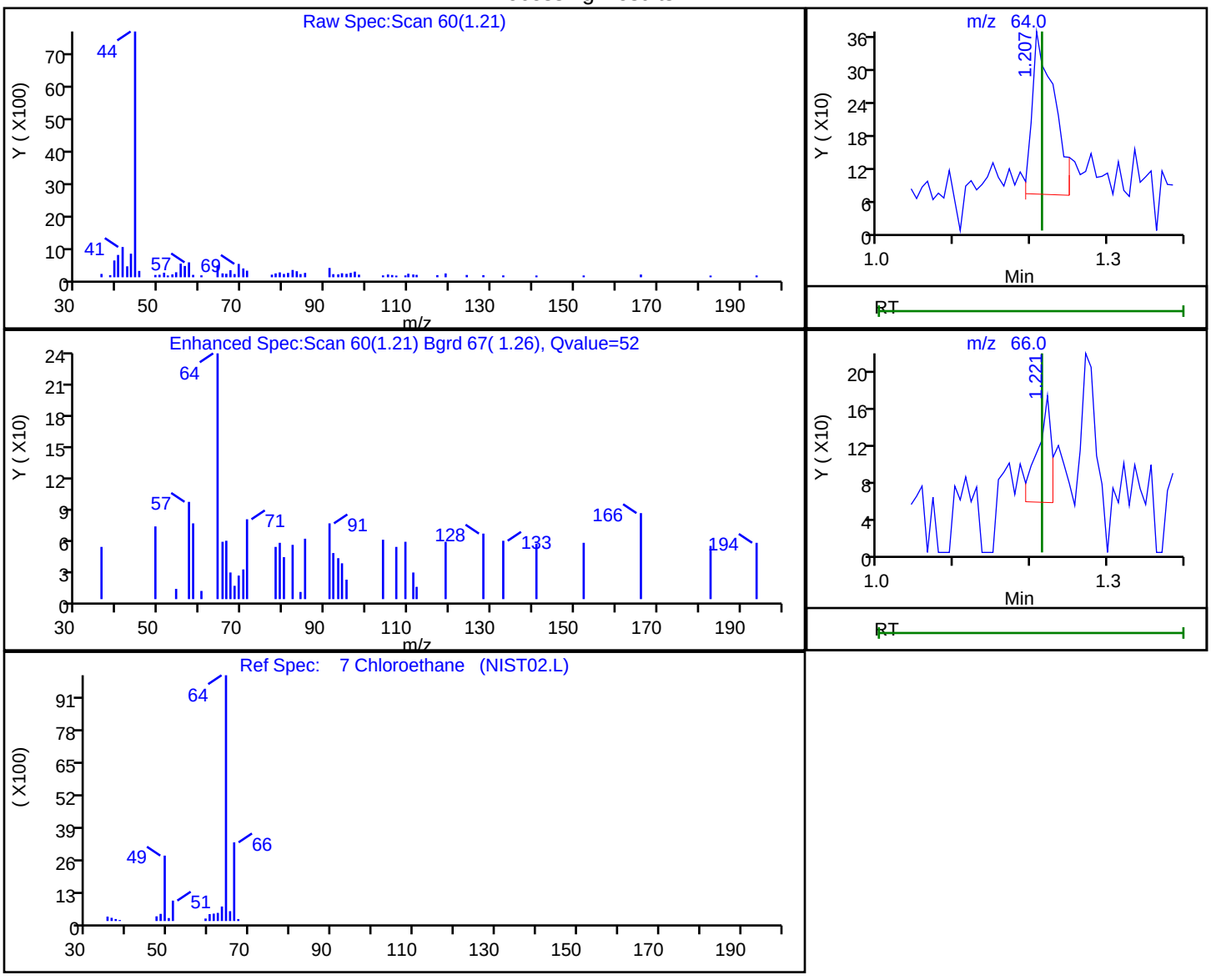
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 7 Chloroethane, CAS: 75-00-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.21 | 64.00 | 602 | 0.250000 |
| 1.22 | 66.00 | 148 | |

Reviewer: boykink, 05-Oct-2018 17:37:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

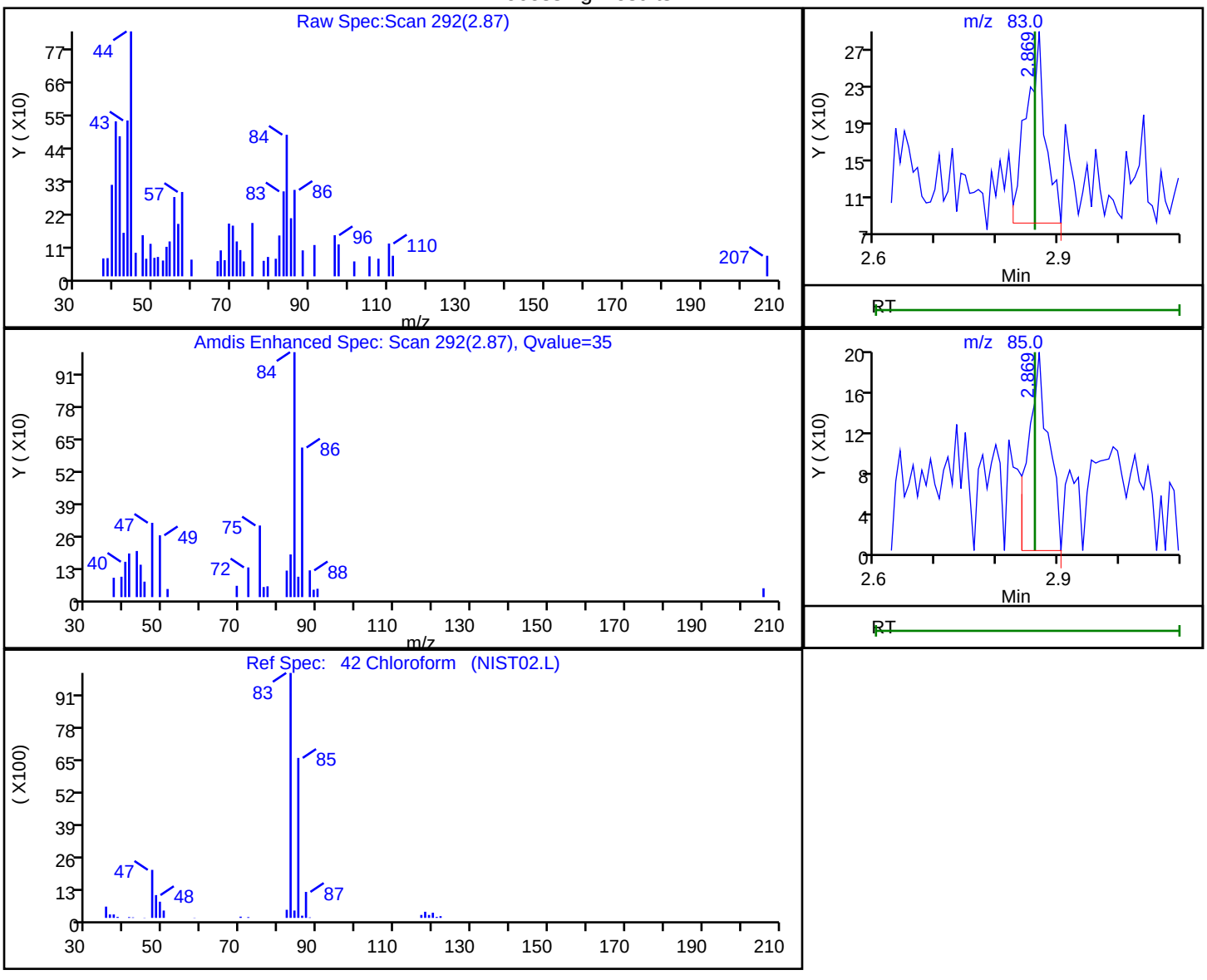
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 42 Chloroform, CAS: 67-66-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.87 | 83.00 | 431 | 0.103869 |
| 2.87 | 85.00 | 440 | |

Reviewer: boykink, 05-Oct-2018 19:07:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

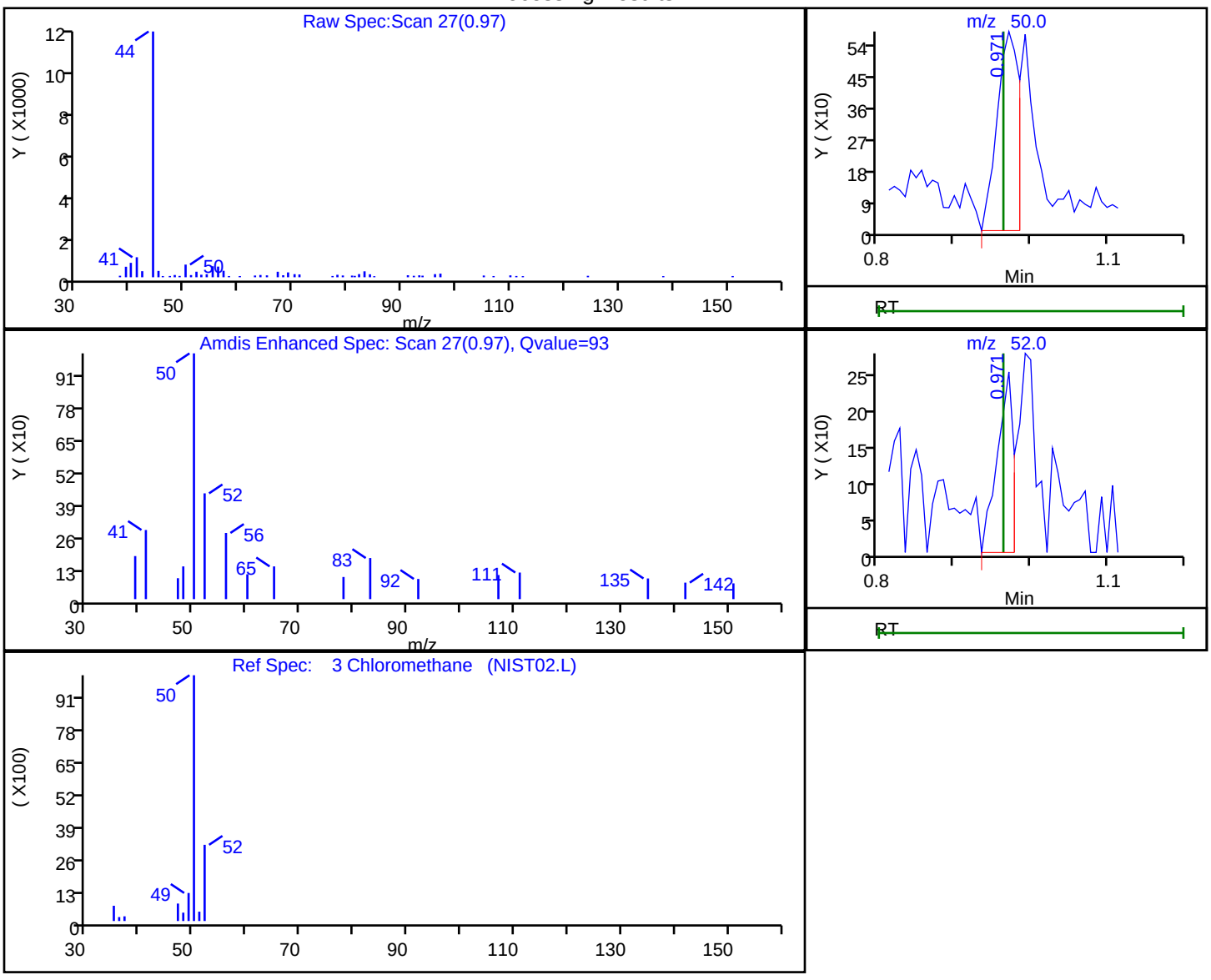
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 3 Chloromethane, CAS: 74-87-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 0.97 | 50.00 | 1150 | 0.250000 |
| 0.97 | 52.00 | 373 | |

Reviewer: boykink, 05-Oct-2018 17:37:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

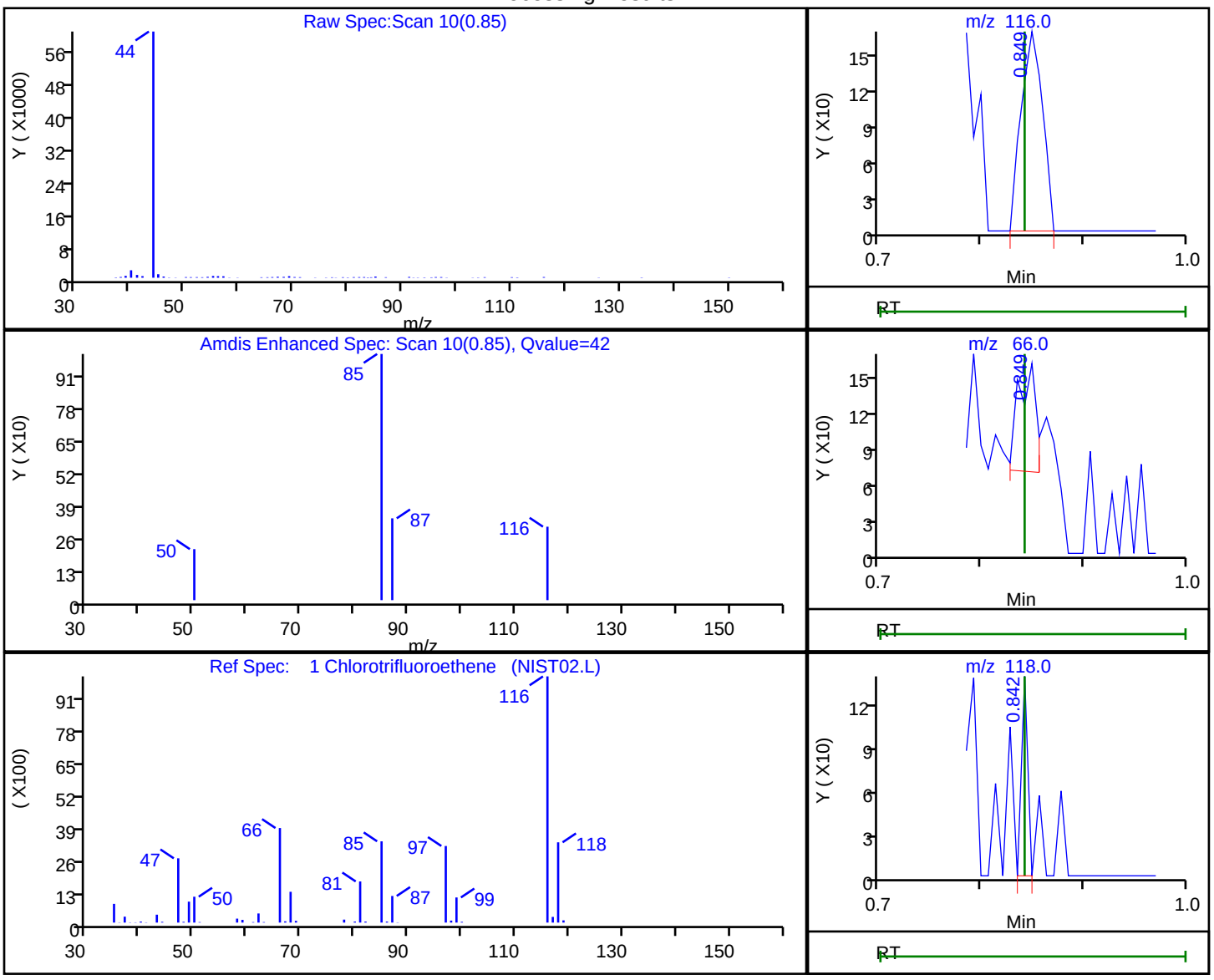
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 1 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 0.85 | 116.00 | 246 | 0.262656 |
| 0.85 | 66.00 | 113 | |
| 0.84 | 118.00 | 58 | |

Reviewer: boykink, 05-Oct-2018 19:07:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

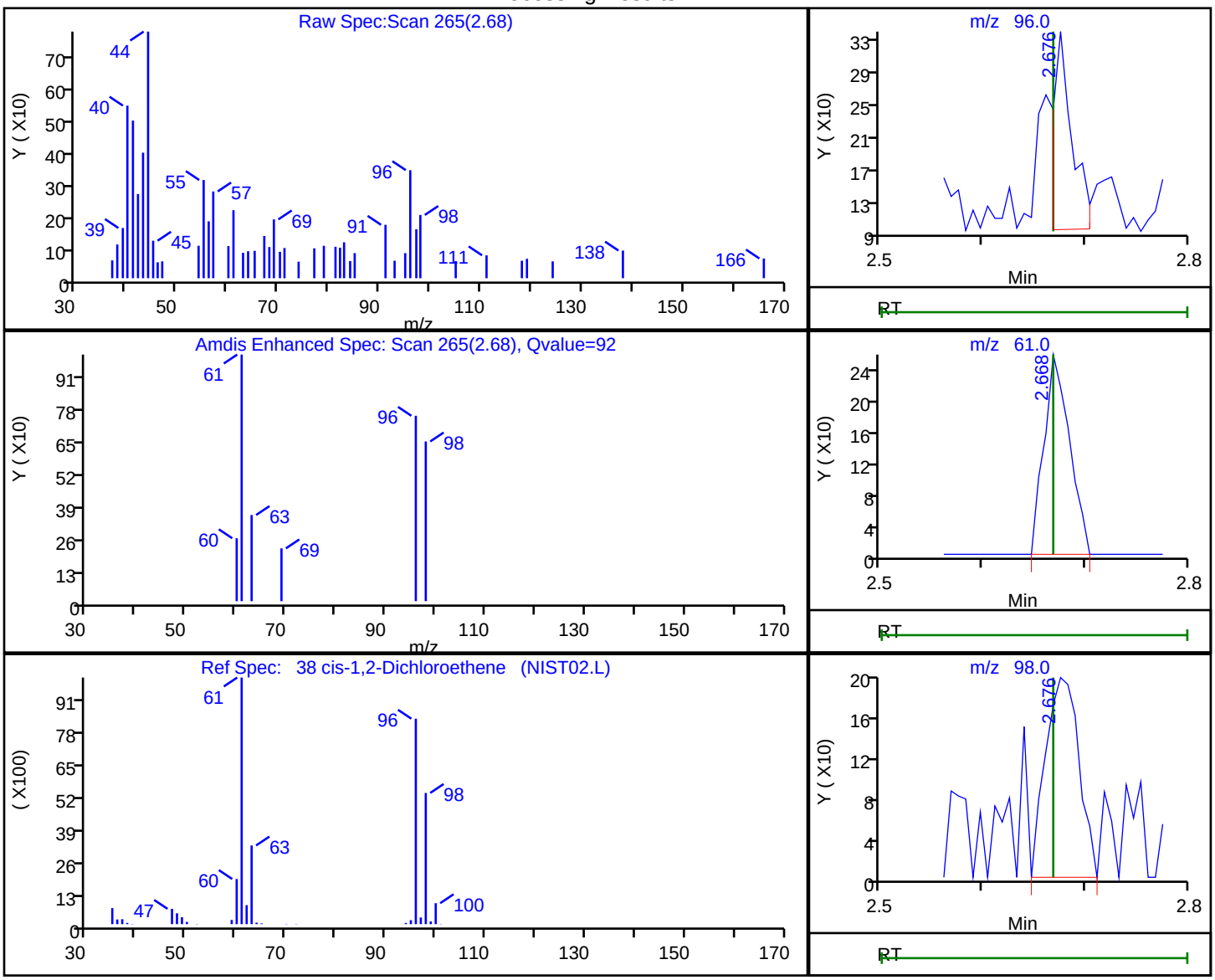
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

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

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.68 | 96.00 | 310 | 0.116893 |
| 2.67 | 61.00 | 444 | |
| 2.68 | 98.00 | 454 | |

Reviewer: boykink, 05-Oct-2018 19:07:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

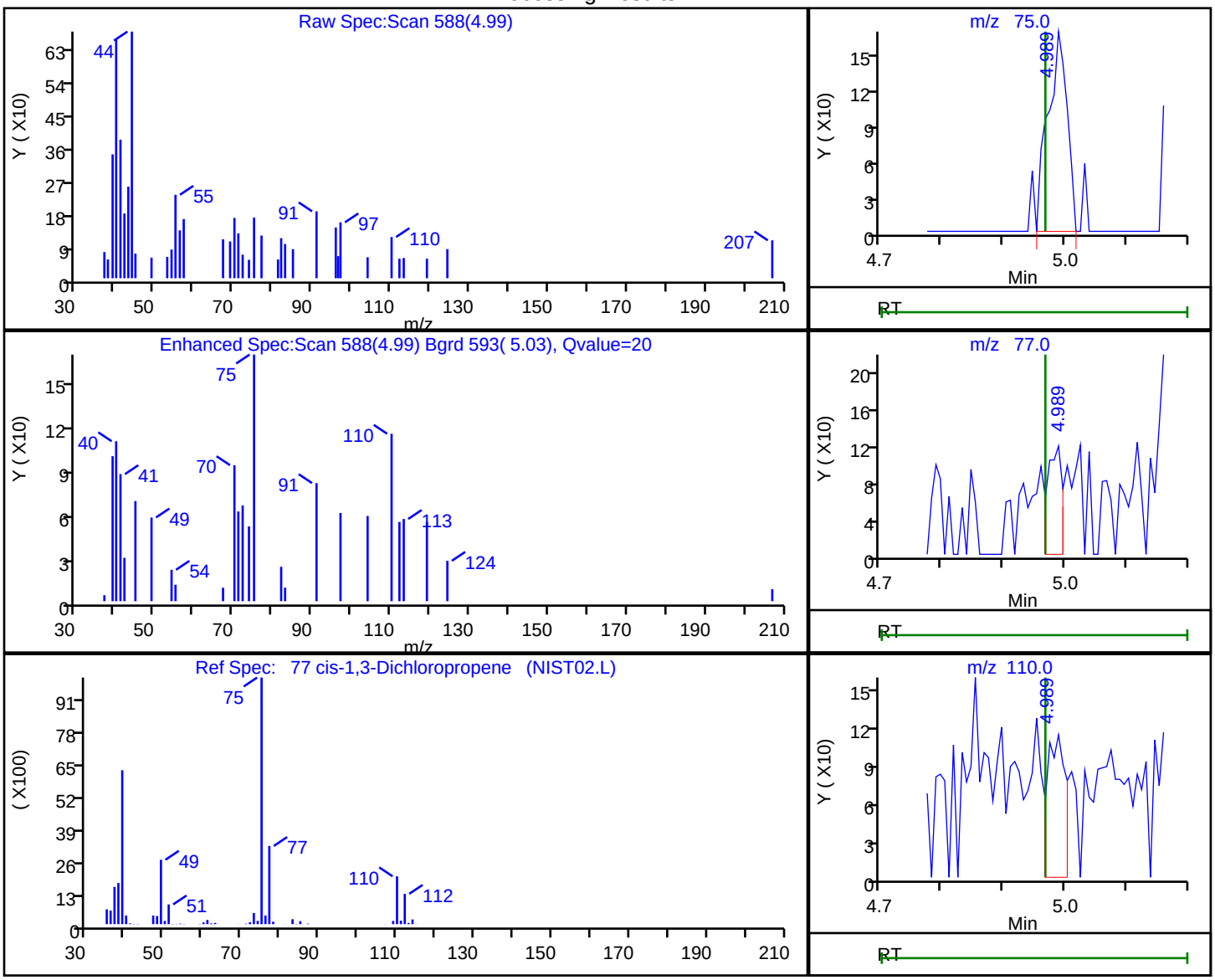
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 77 cis-1,3-Dichloropropene, CAS: 10061-01-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.99 | 75.00 | 358 | 0.100015 |
| 4.99 | 77.00 | 193 | |
| 4.99 | 110.00 | 231 | |

Reviewer: boykink, 05-Oct-2018 19:08:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

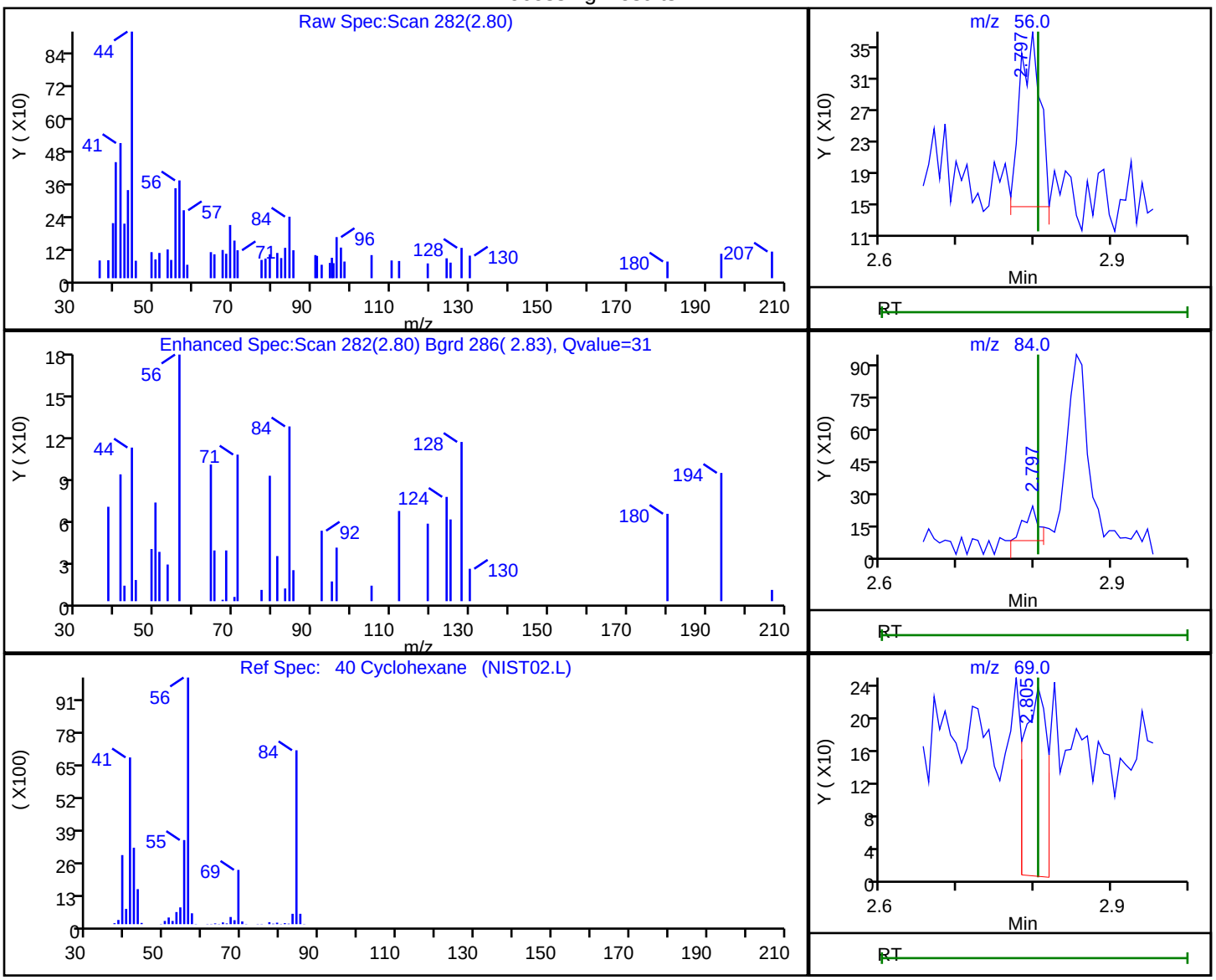
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 40 Cyclohexane, CAS: 110-82-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.80 | 56.00 | 395 | 0.109911 |
| 2.80 | 84.00 | 211 | |
| 2.80 | 69.00 | 496 | |

Reviewer: boykink, 05-Oct-2018 19:07:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

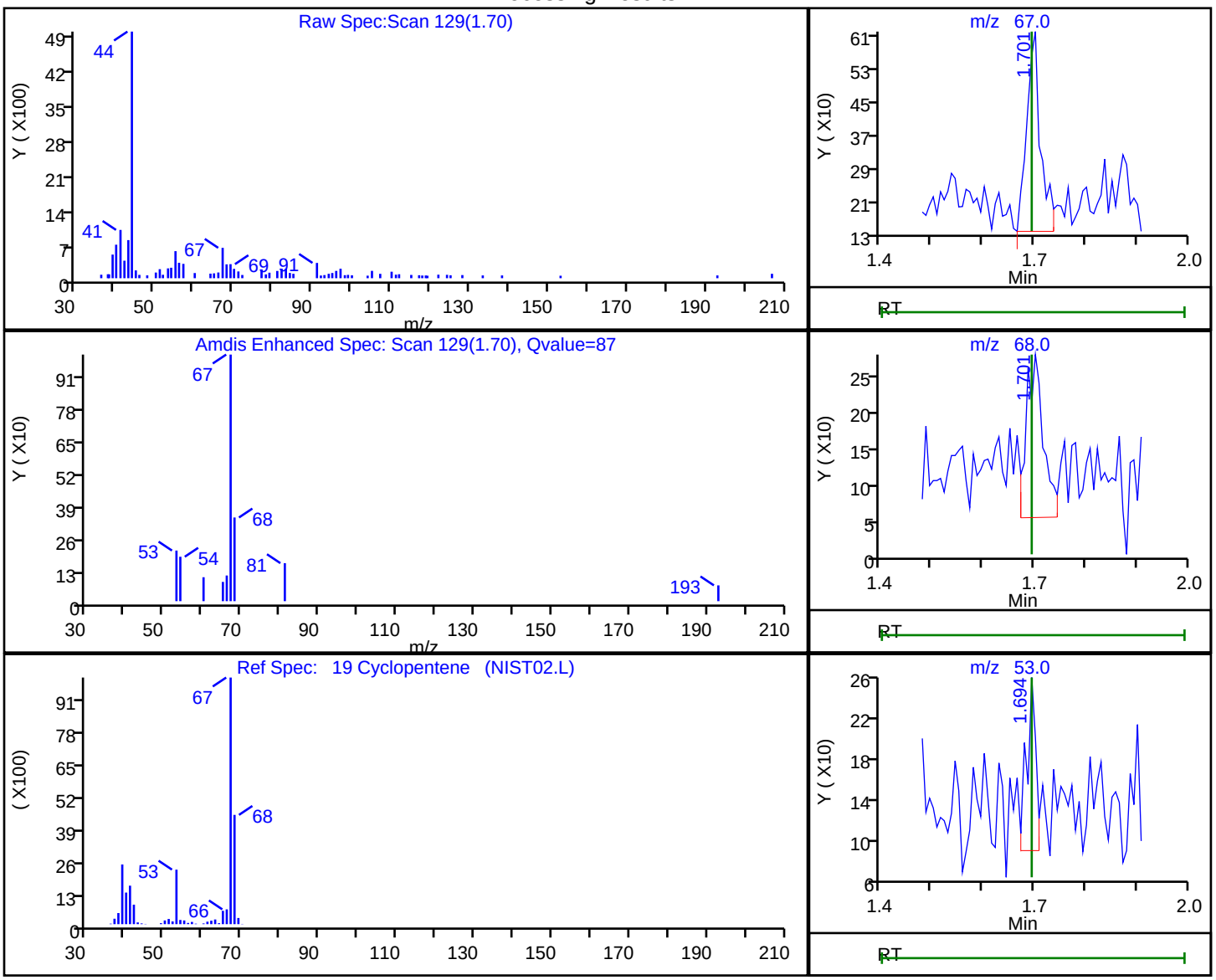
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 19 Cyclopentene, CAS: 142-29-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.70 | 67.00 | 892 | 0.165547 |
| 1.70 | 68.00 | 529 | |
| 1.69 | 53.00 | 205 | |

Reviewer: boykink, 05-Oct-2018 19:07:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

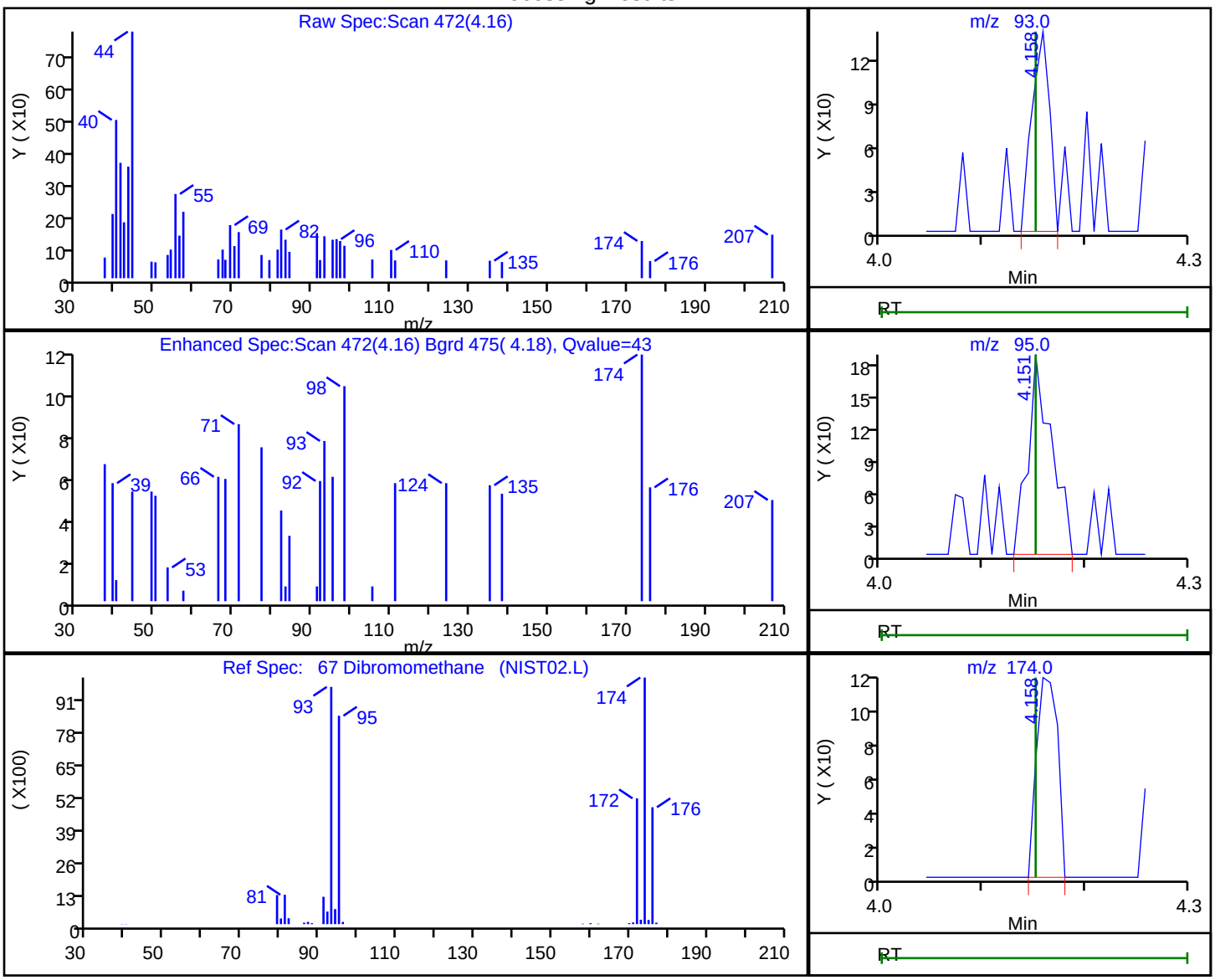
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 67 Dibromomethane, CAS: 74-95-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.16 | 93.00 | 159 | 0.111076 |
| 4.15 | 95.00 | 296 | |
| 4.16 | 174.00 | 167 | |

Reviewer: boykink, 05-Oct-2018 19:08:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

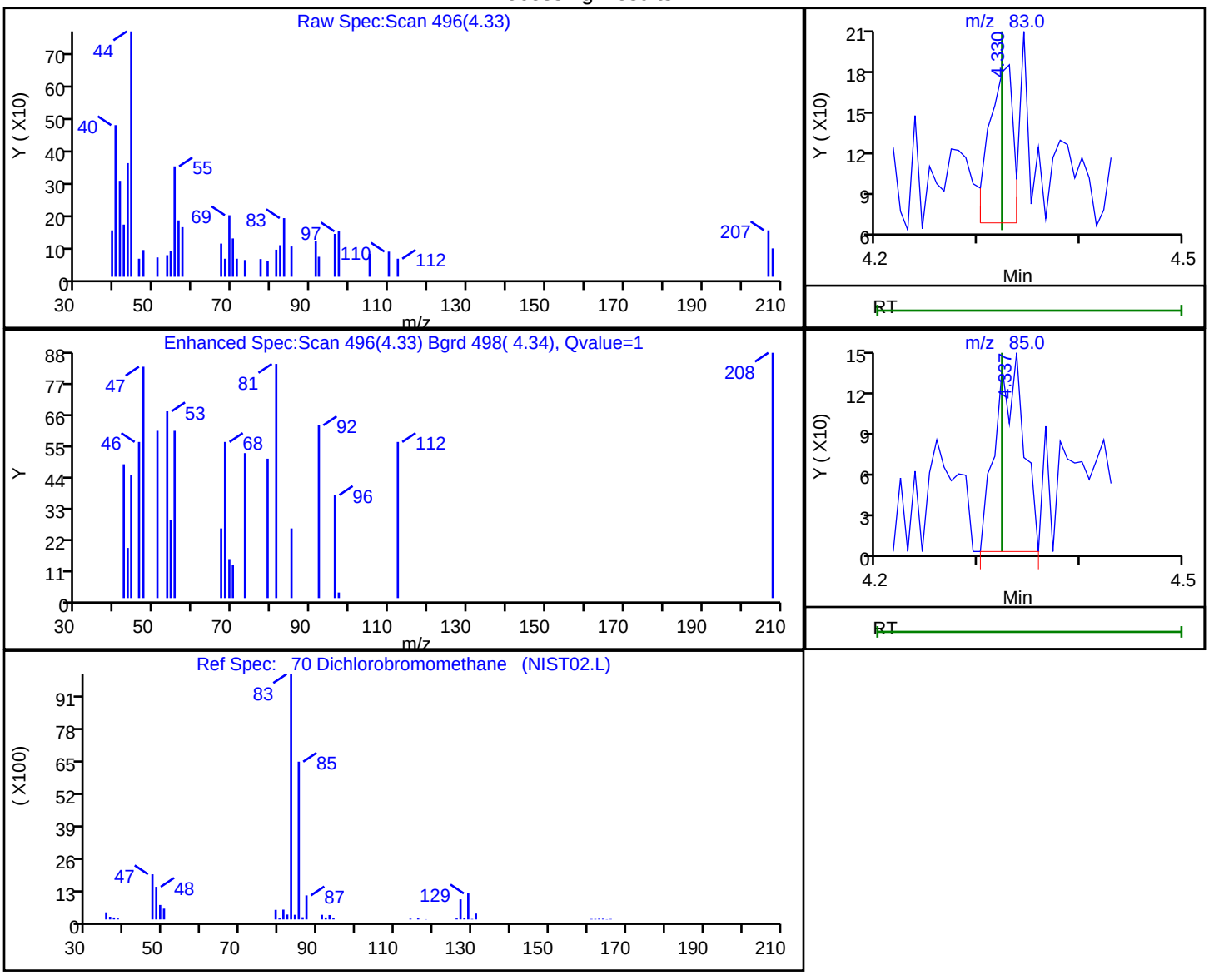
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 70 Dichlorobromomethane, CAS: 75-27-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.33 | 83.00 | 177 | 0.057196 |
| 4.34 | 85.00 | 273 | |

Reviewer: boykink, 05-Oct-2018 19:08:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

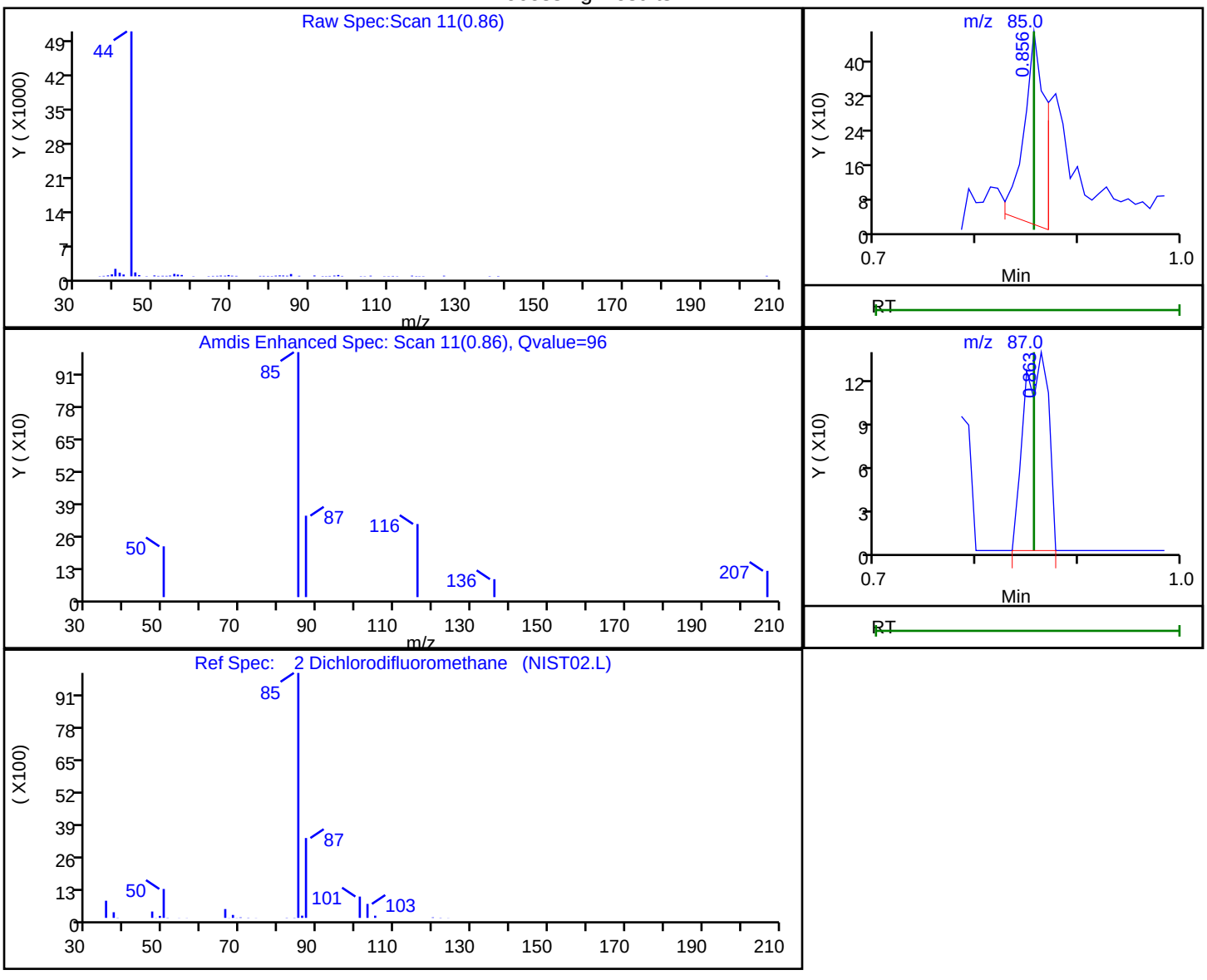
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 2 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 0.86 | 85.00 | 674 | 0.250000 |
| 0.86 | 87.00 | 225 | |

Reviewer: boykink, 05-Oct-2018 17:37:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

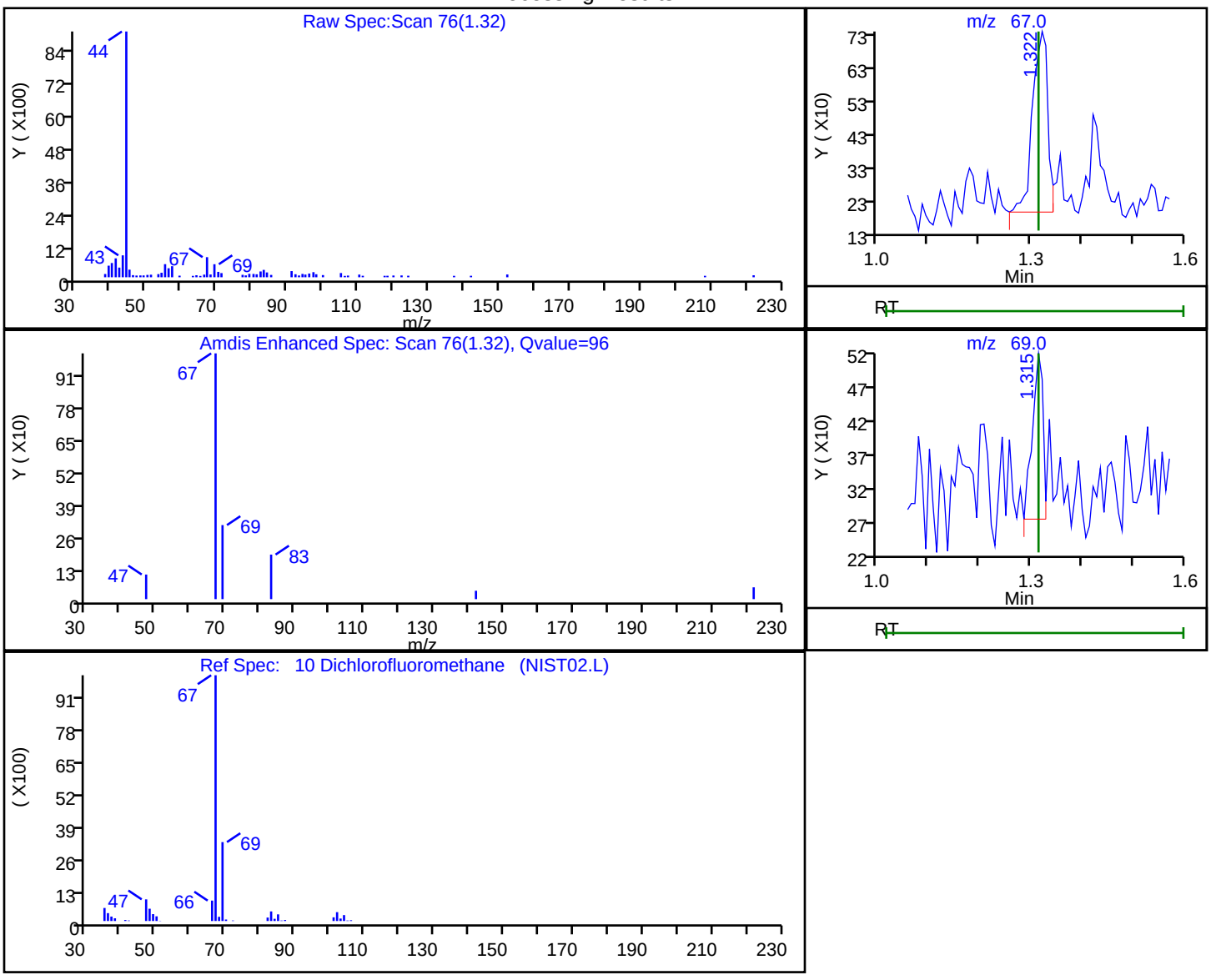
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 10 Dichlorofluoromethane, CAS: 75-43-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.32 | 67.00 | 1138 | 0.263347 |
| 1.31 | 69.00 | 355 | |

Reviewer: boykink, 05-Oct-2018 19:07:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

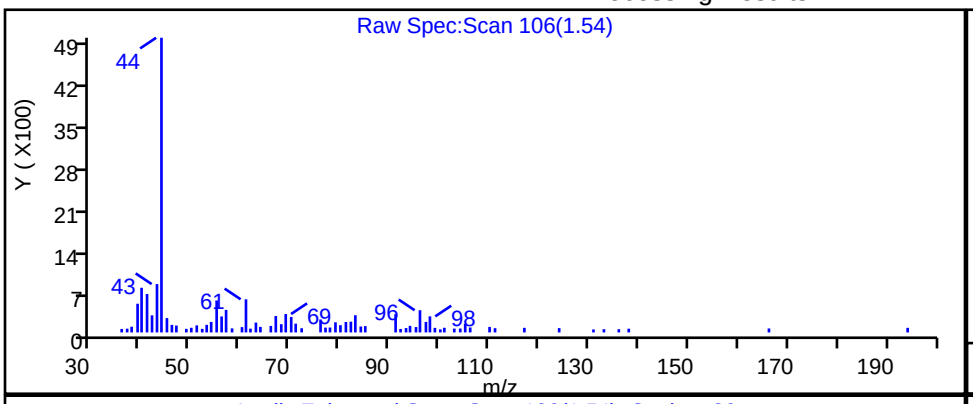
User Disabled Compound Report

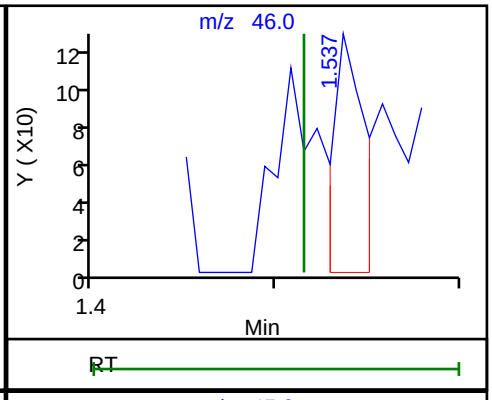
TestAmerica Edison

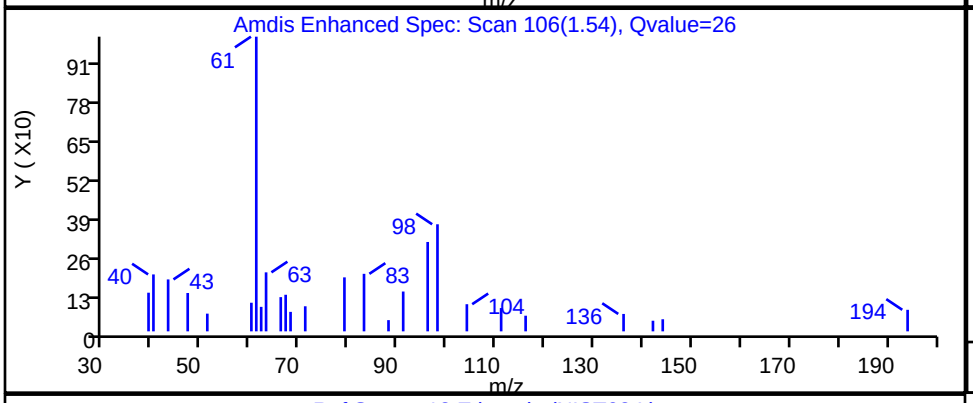
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

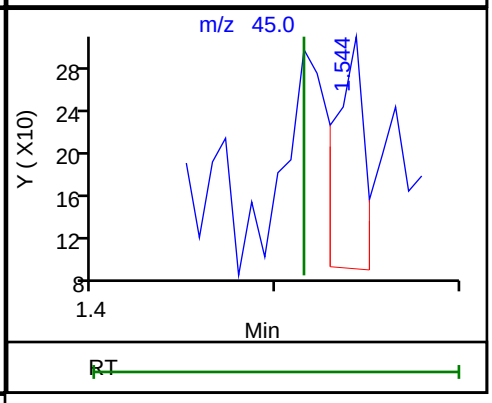
## 13 Ethanol, CAS: 64-17-5

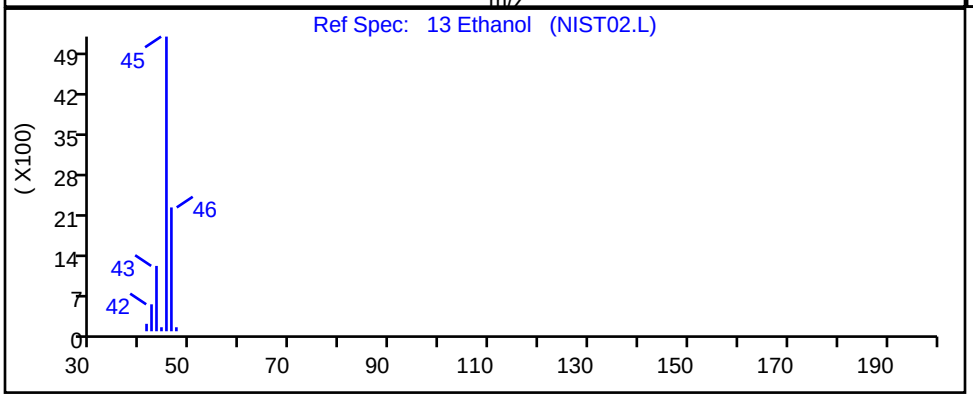
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.54 | 46.00 | 150 | 20.817465 |
| 1.54 | 45.00 | 241 | |

Reviewer: boykink, 05-Oct-2018 19:07:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

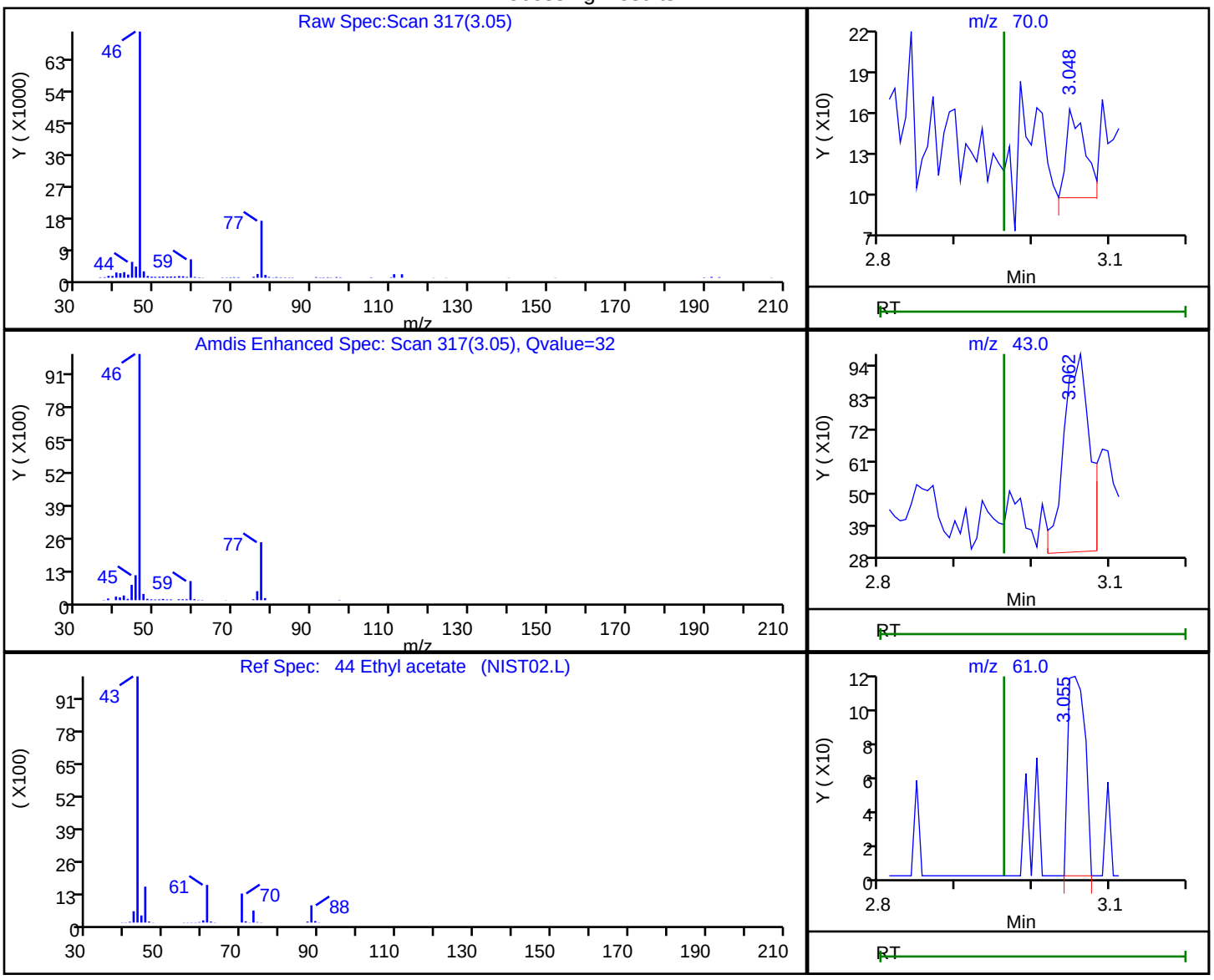
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 44 Ethyl acetate, CAS: 141-78-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.05 | 70.00 | 109 | 0.453072 |
| 3.06 | 43.00 | 1614 | |
| 3.06 | 61.00 | 178 | |

Reviewer: boykink, 05-Oct-2018 19:07:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

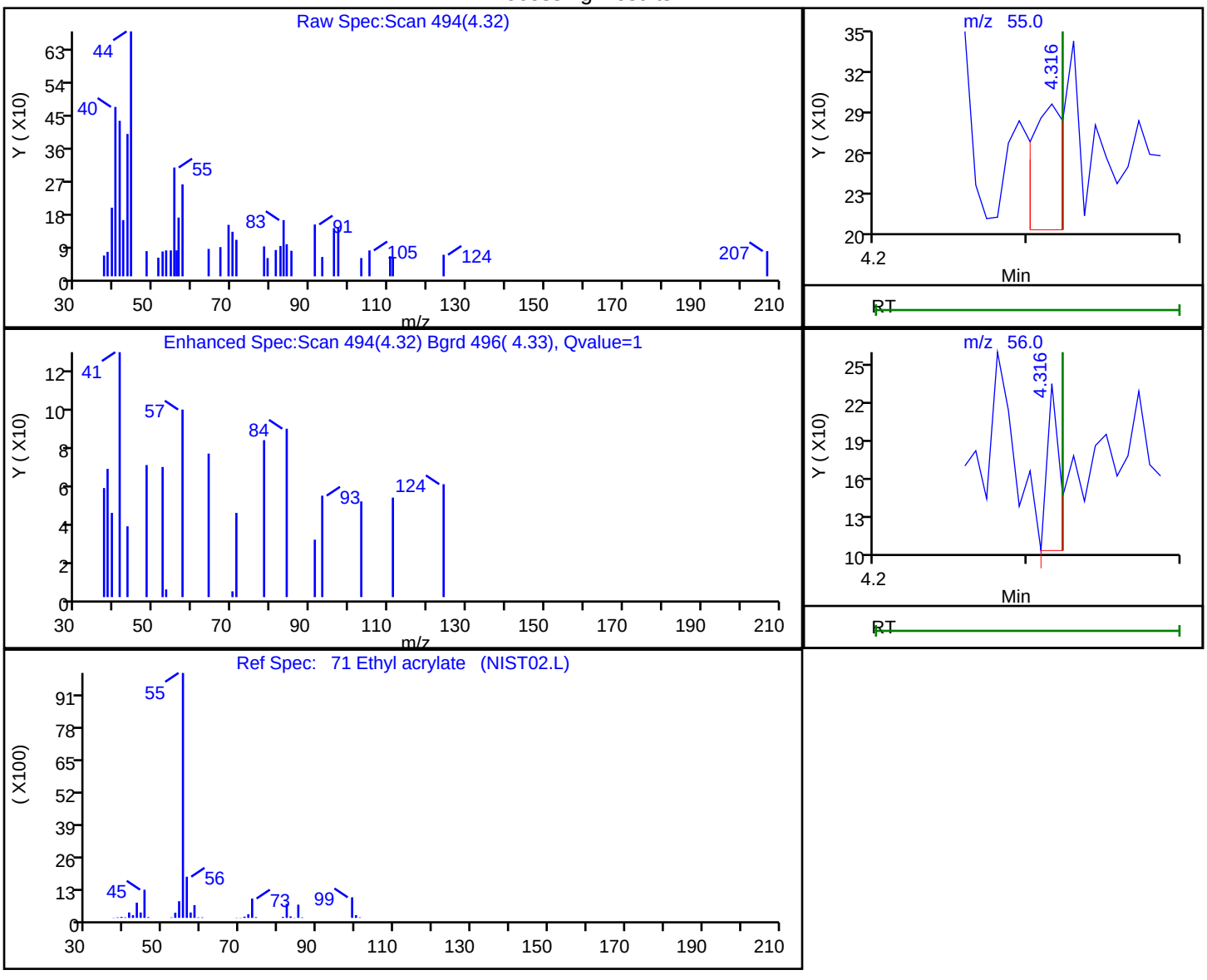
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 71 Ethyl acrylate, CAS: 140-88-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.32 | 55.00 | 134 | 0.078621 |
| 4.32 | 56.00 | 75 | |

Reviewer: boykink, 05-Oct-2018 19:08:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

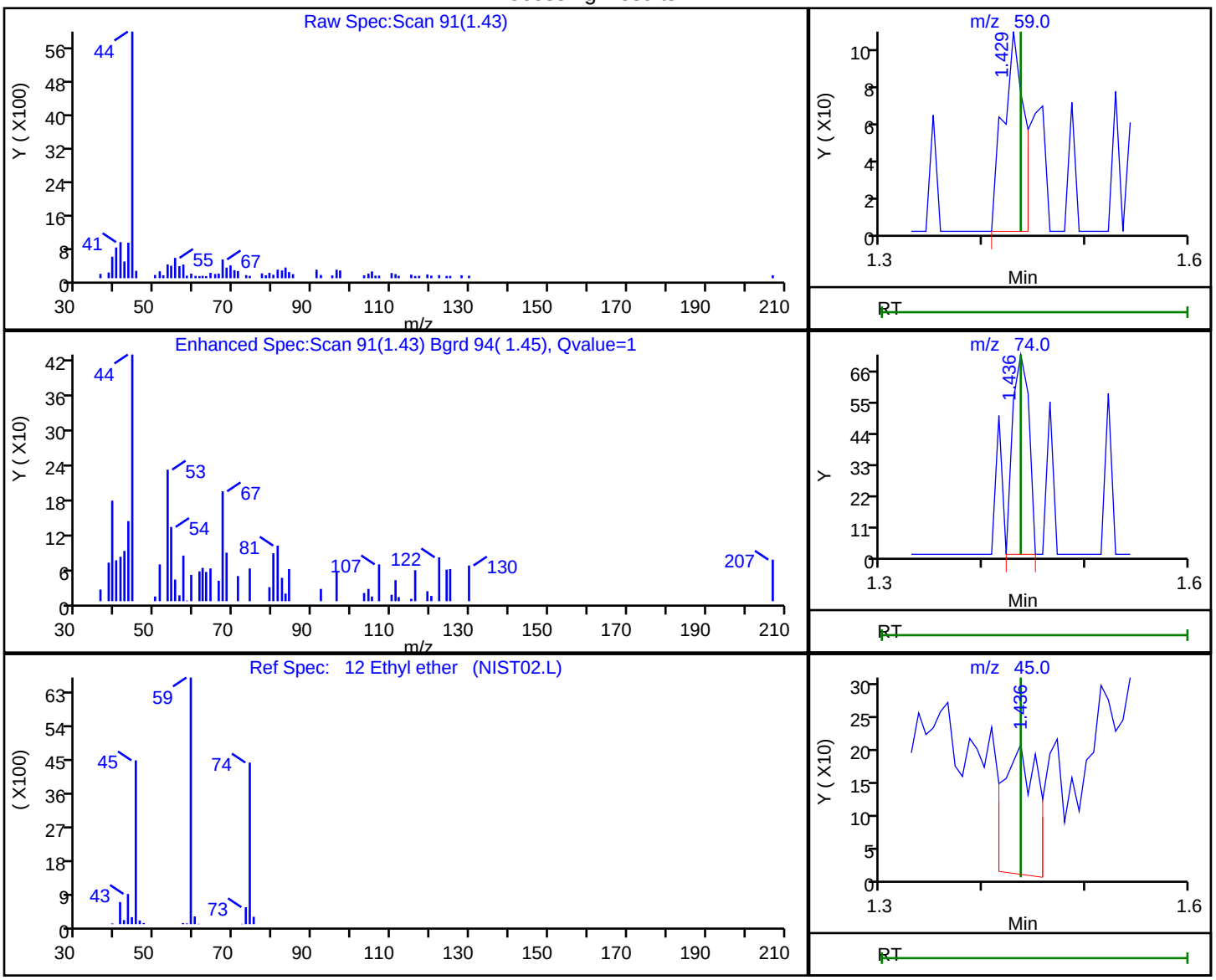
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 12 Ethyl ether, CAS: 60-29-7

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.43 | 59.00 | 156 | 0.082831 |
| 1.44 | 74.00 | 80 | |
| 1.44 | 45.00 | 462 | |

Reviewer: boykink, 05-Oct-2018 19:07:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

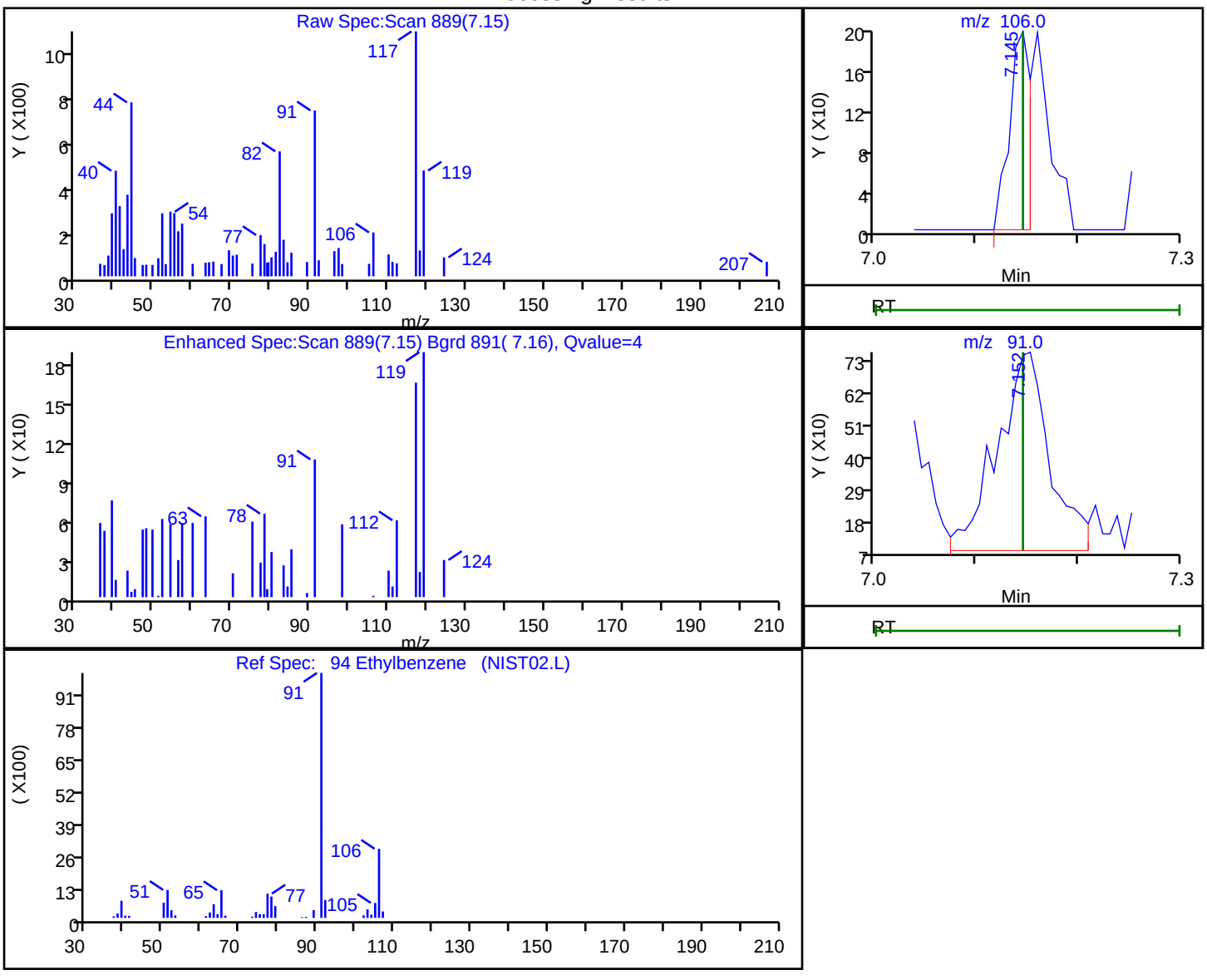
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 94 Ethylbenzene, CAS: 100-41-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.15 | 106.00 | 283 | 0.077251 |
| 7.15 | 91.00 | 2467 | |

Reviewer: boykink, 05-Oct-2018 19:08:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

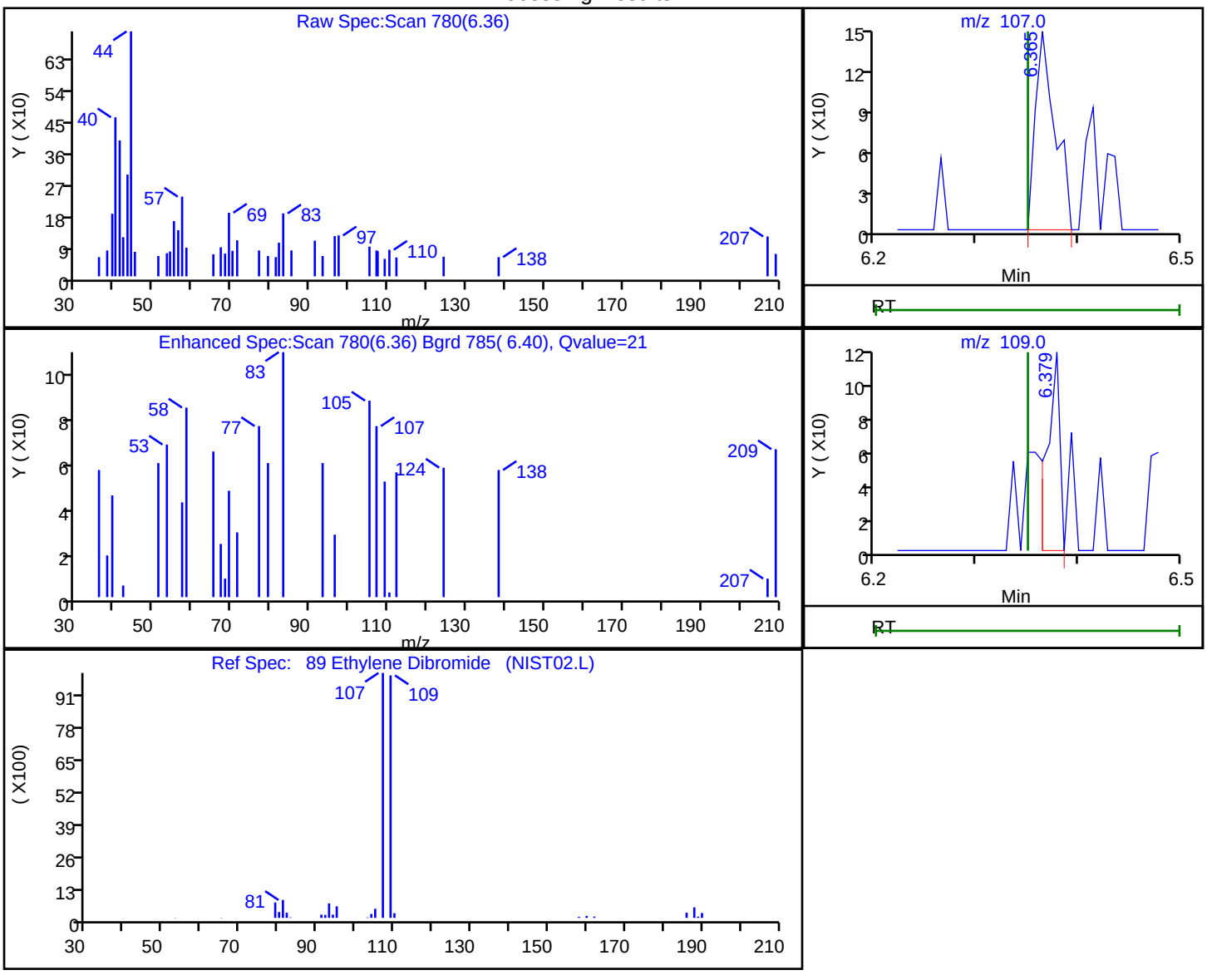
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 89 Ethylene Dibromide, CAS: 106-93-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 6.36 | 107.00 | 196 | 0.138654 |
| 6.38 | 109.00 | 95 | |

Reviewer: boykink, 05-Oct-2018 19:08:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

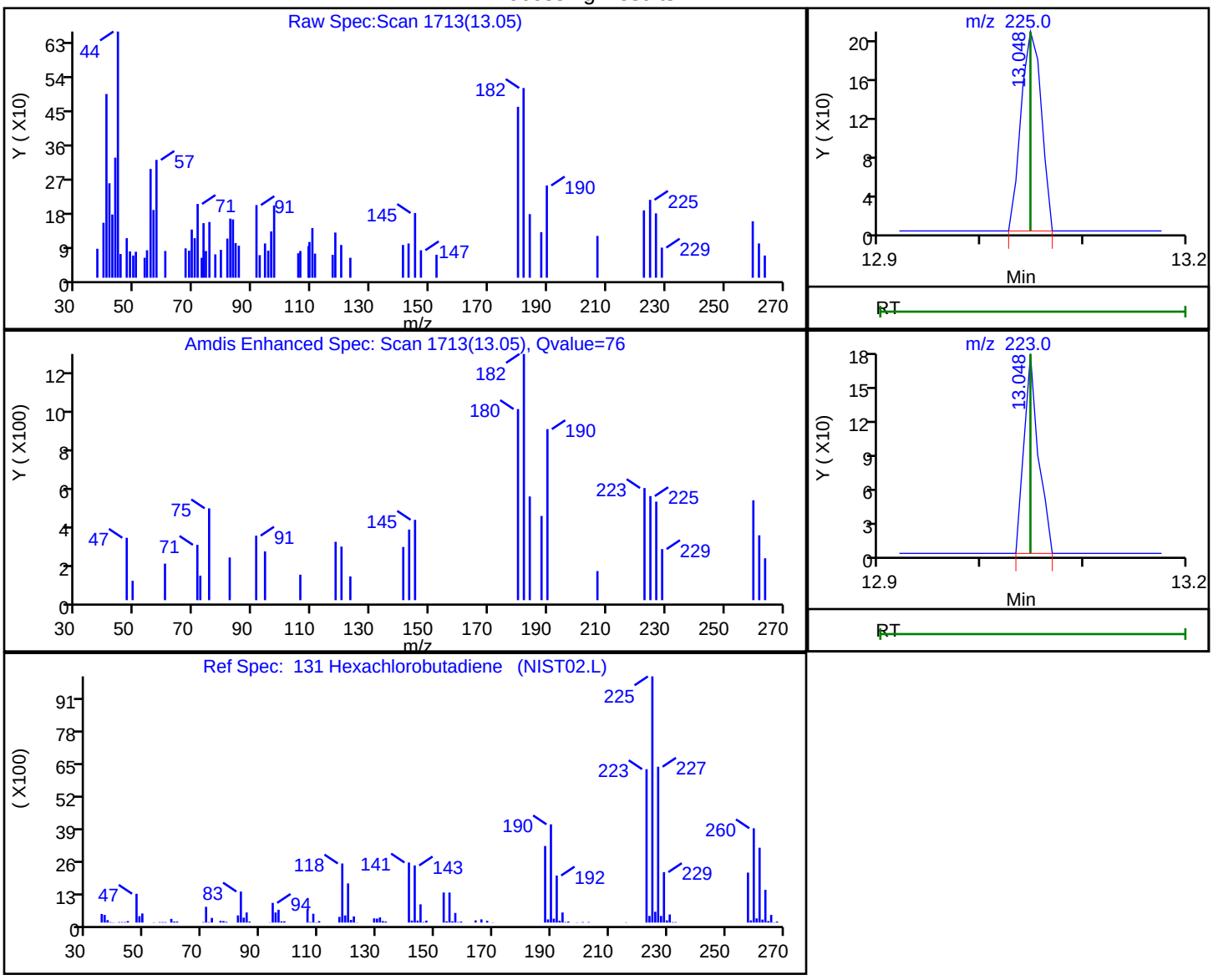
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 131 Hexachlorobutadiene, CAS: 87-68-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 13.05 | 225.00 | 286 | 0.178763 |
| 13.05 | 223.00 | 175 | |

Reviewer: boykink, 05-Oct-2018 19:08:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

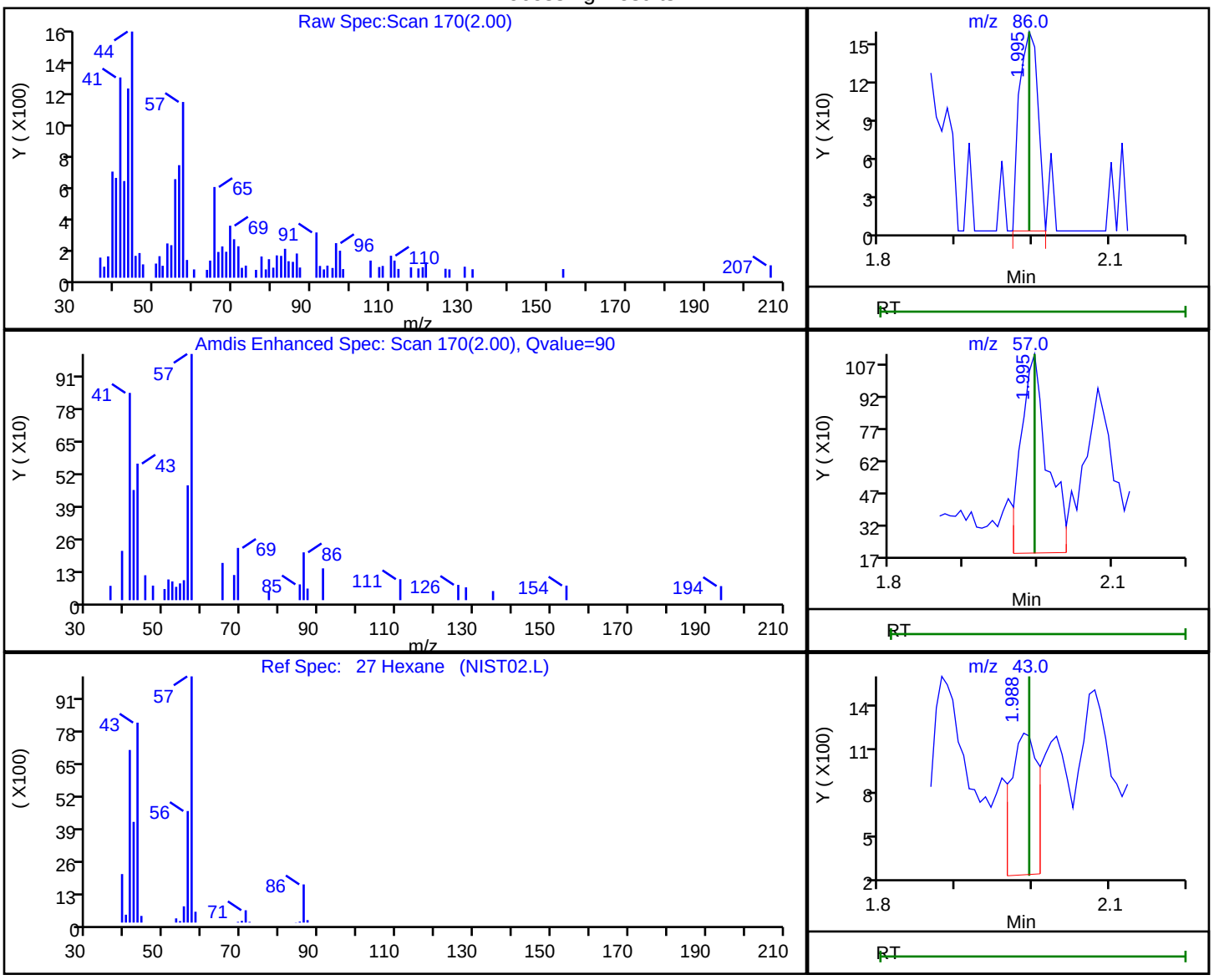
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 27 Hexane, CAS: 110-54-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.00 | 86.00 | 260 | 0.530543 |
| 2.00 | 57.00 | 2324 | |
| 1.99 | 43.00 | 2333 | |
| 1.99 | 56.00 | 1279 | |

Reviewer: boykink, 05-Oct-2018 19:07:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

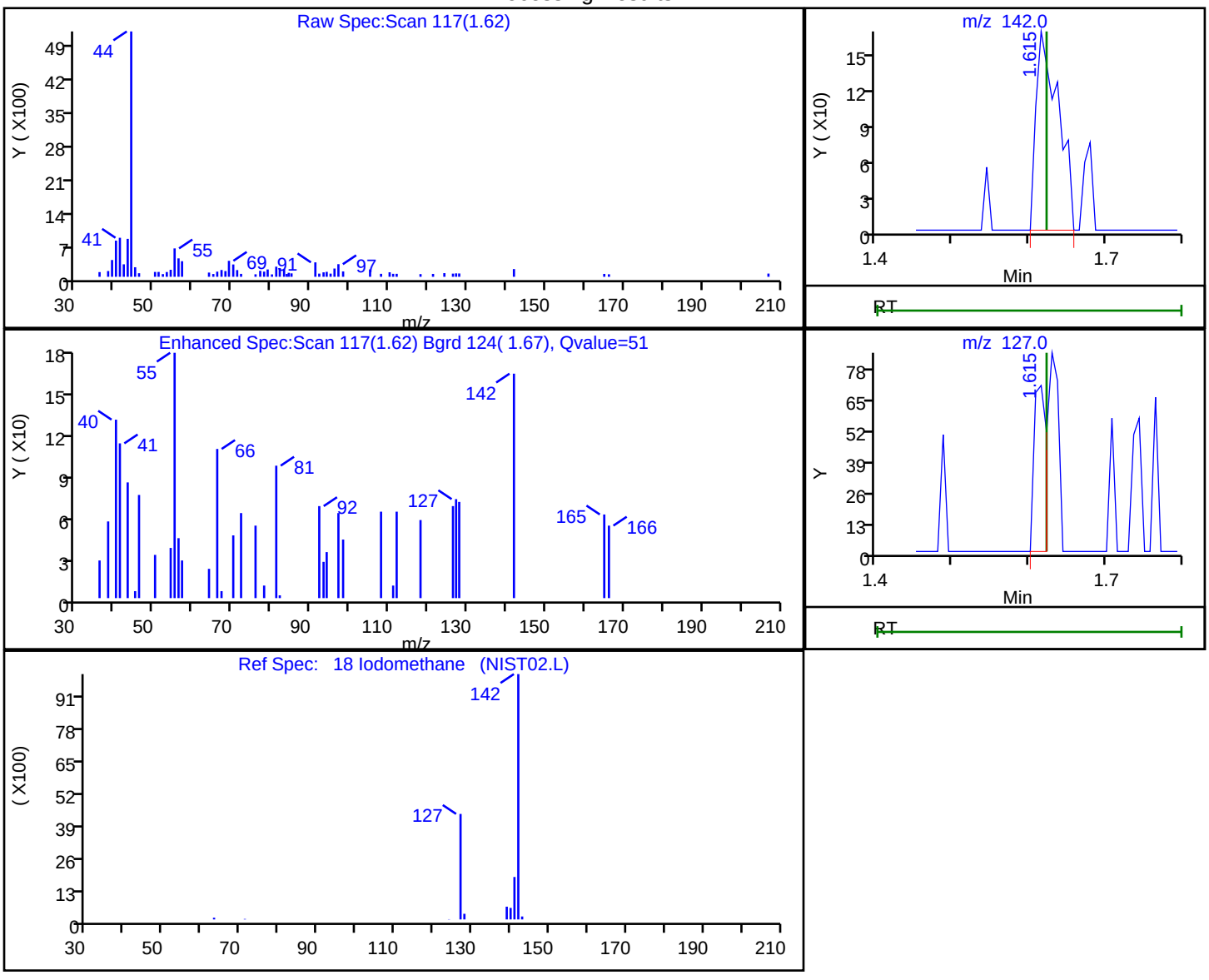
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 18 Iodomethane, CAS: 74-88-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.62 | 142.00 | 326 | 0.108964 |
| 1.62 | 127.00 | 82 | |

Reviewer: boykink, 05-Oct-2018 19:07:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

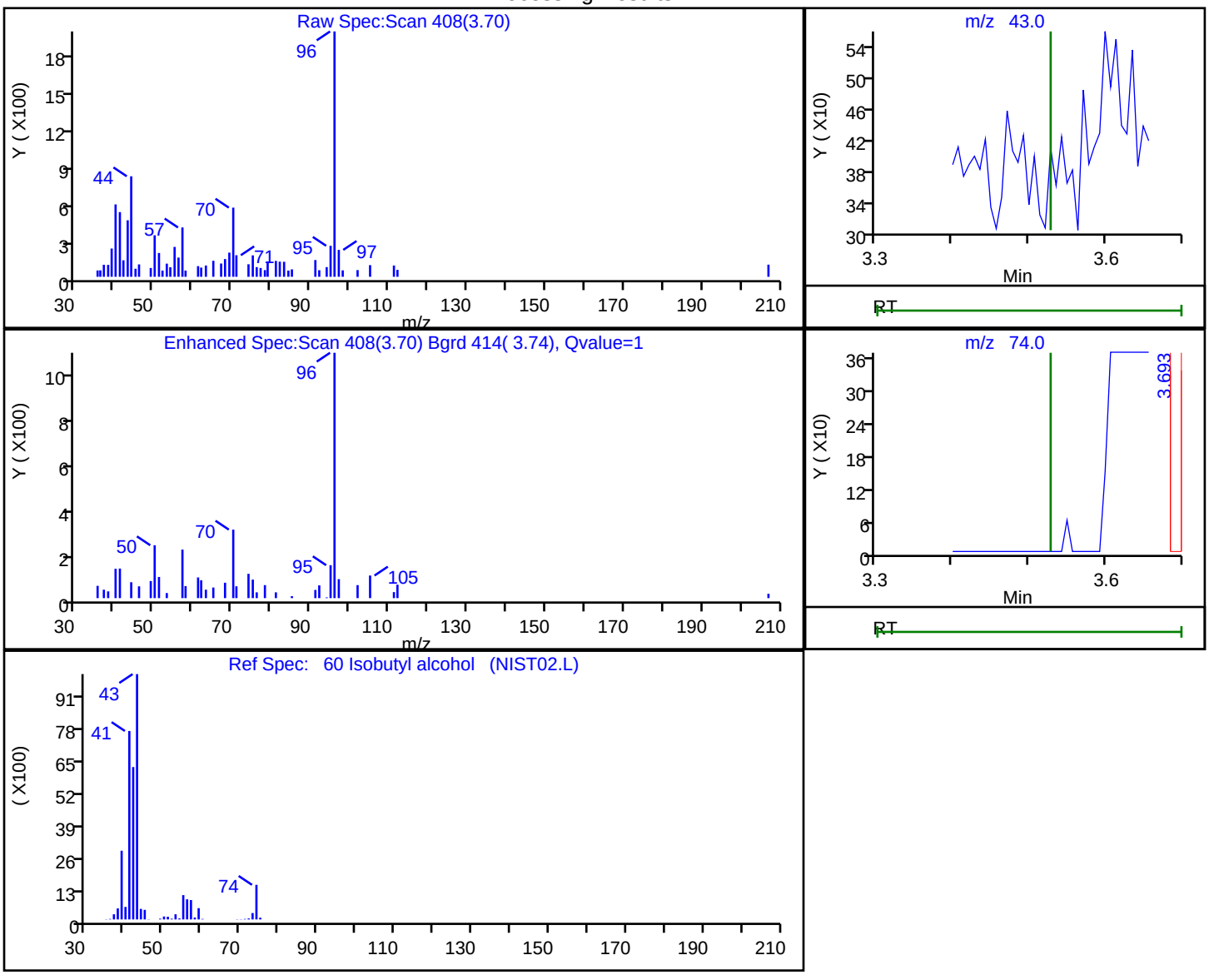
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 60 Isobutyl alcohol, CAS: 78-83-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.70 | 43.00 | 325 | 1.740385 |
| 3.69 | 74.00 | 194 | |

Reviewer: boykink, 05-Oct-2018 19:08:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

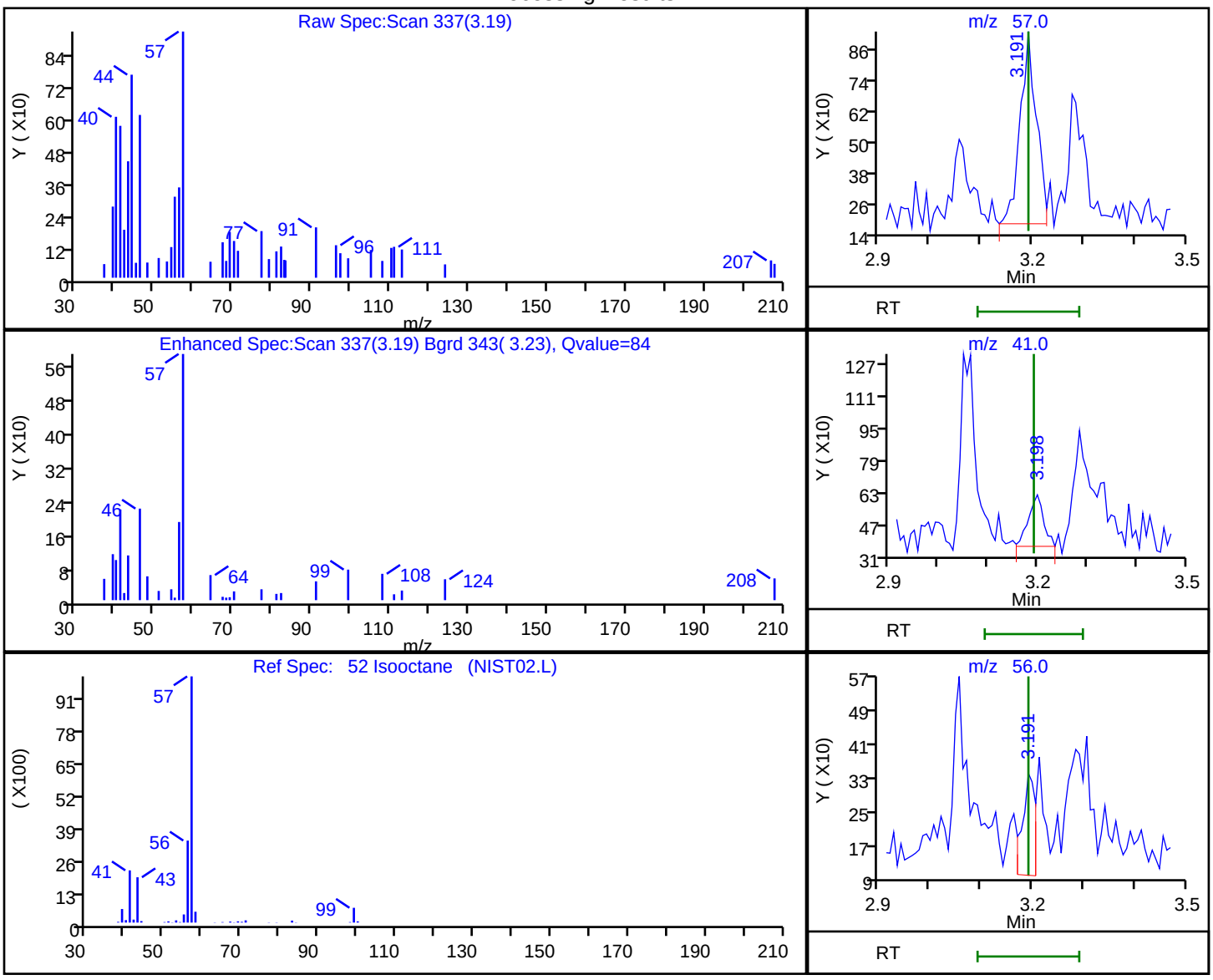
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 52 Isooctane, CAS: 540-84-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.19 | 57.00 | 1669 | 0.237628 |
| 3.20 | 41.00 | 546 | |
| 3.19 | 56.00 | 415 | |

Reviewer: boykink, 05-Oct-2018 19:07:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

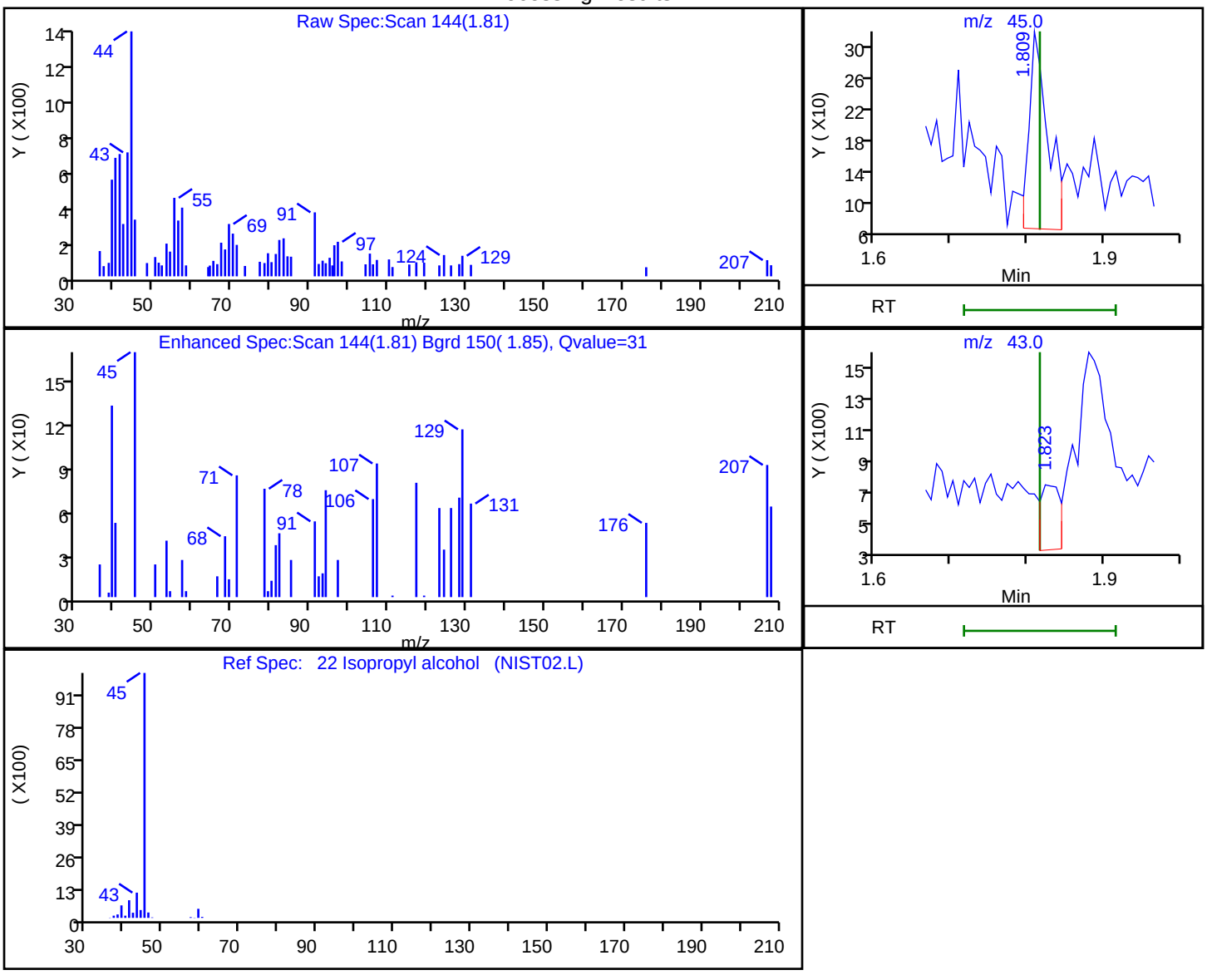
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 22 Isopropyl alcohol, CAS: 67-63-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.81 | 45.00 | 428 | 2.546249 |
| 1.82 | 43.00 | 792 | |

Reviewer: boykink, 05-Oct-2018 19:07:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

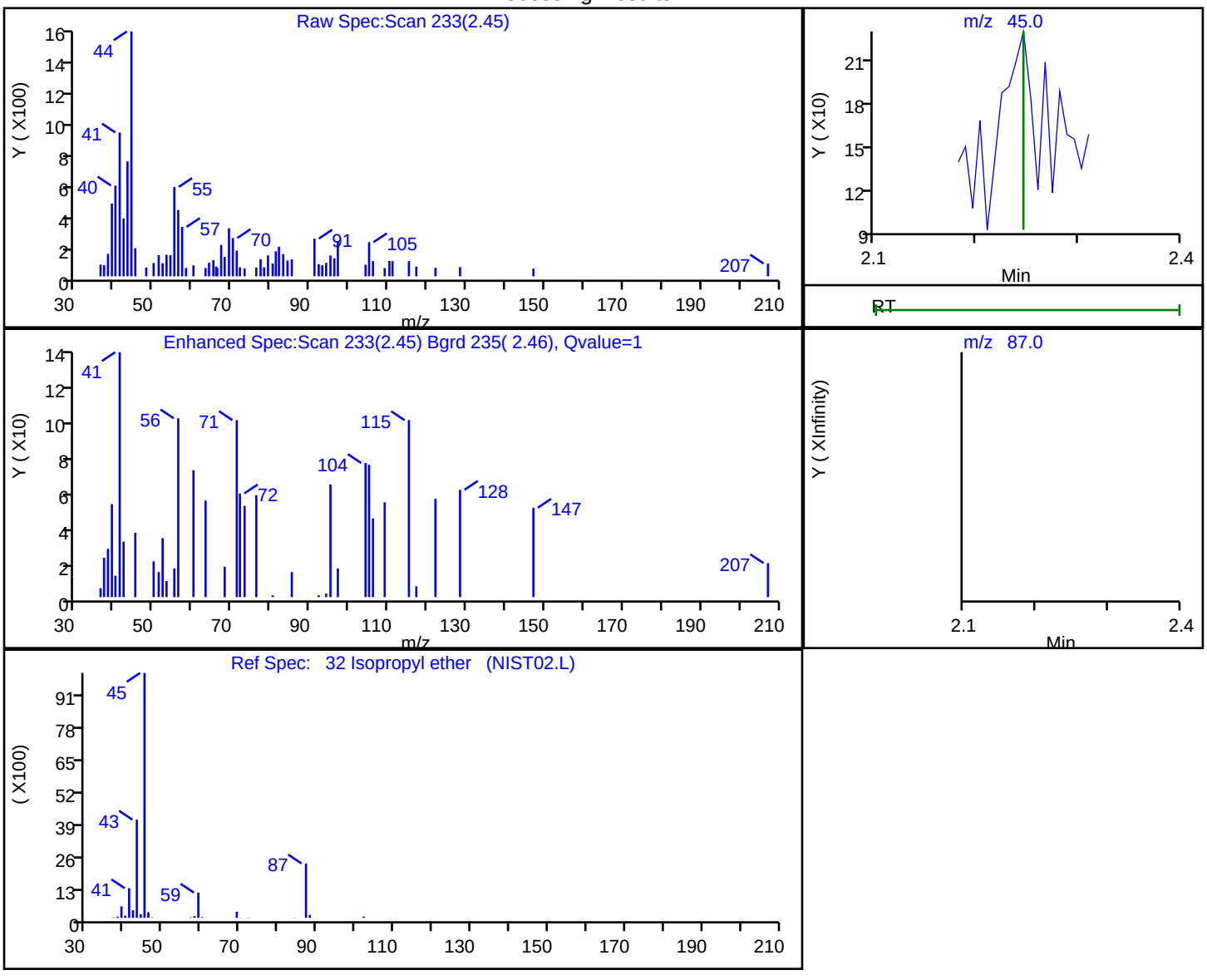
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 32 Isopropyl ether, CAS: 108-20-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.45 | 45.00 | 169 | 0.021551 |
| 2.45 | 87.00 | 21 | |

Reviewer: boykink, 05-Oct-2018 19:07:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

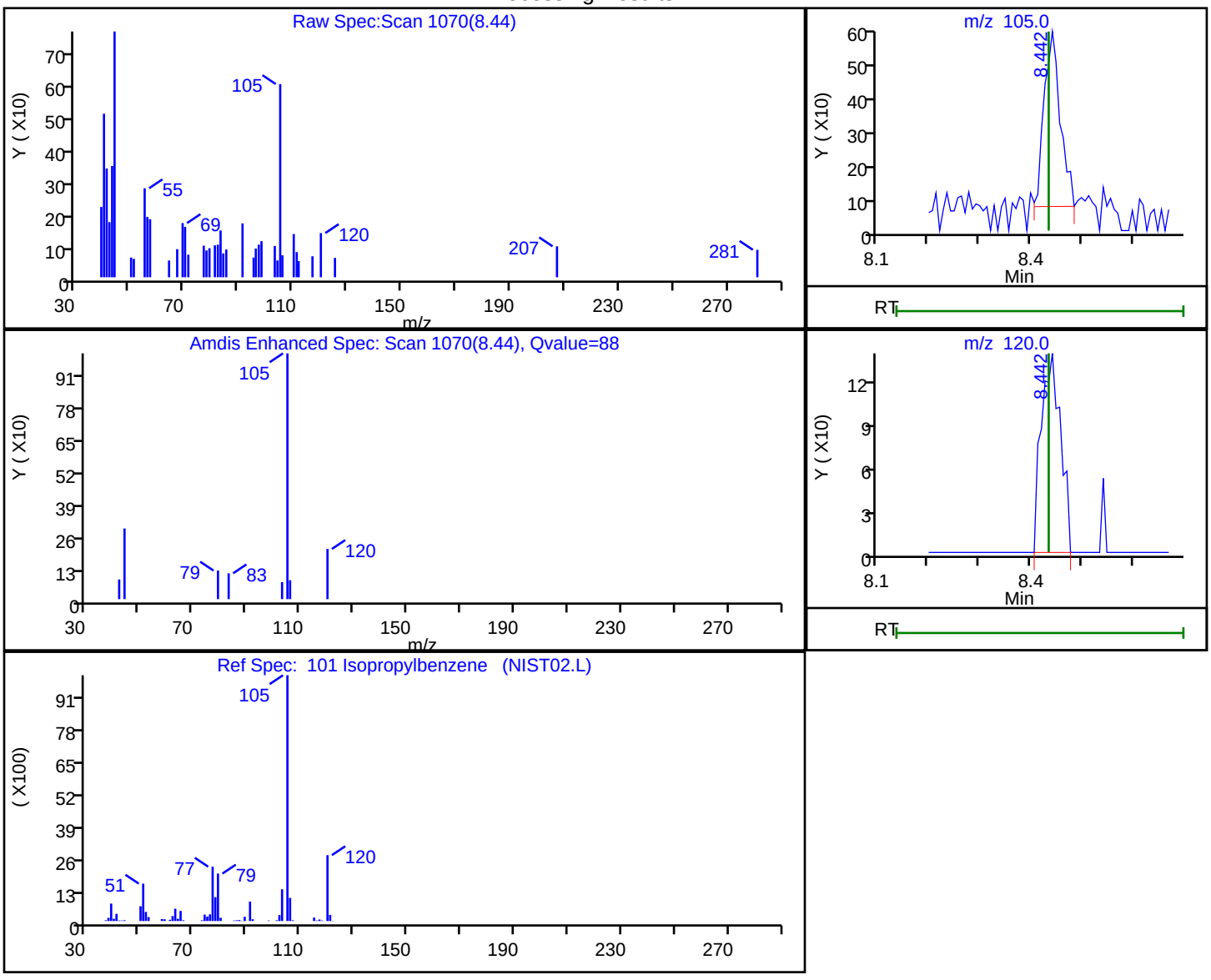
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 101 Isopropylbenzene, CAS: 98-82-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.44 | 105.00 | 1162 | 0.103115 |
| 8.44 | 120.00 | 361 | |

Reviewer: boykink, 05-Oct-2018 19:08:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

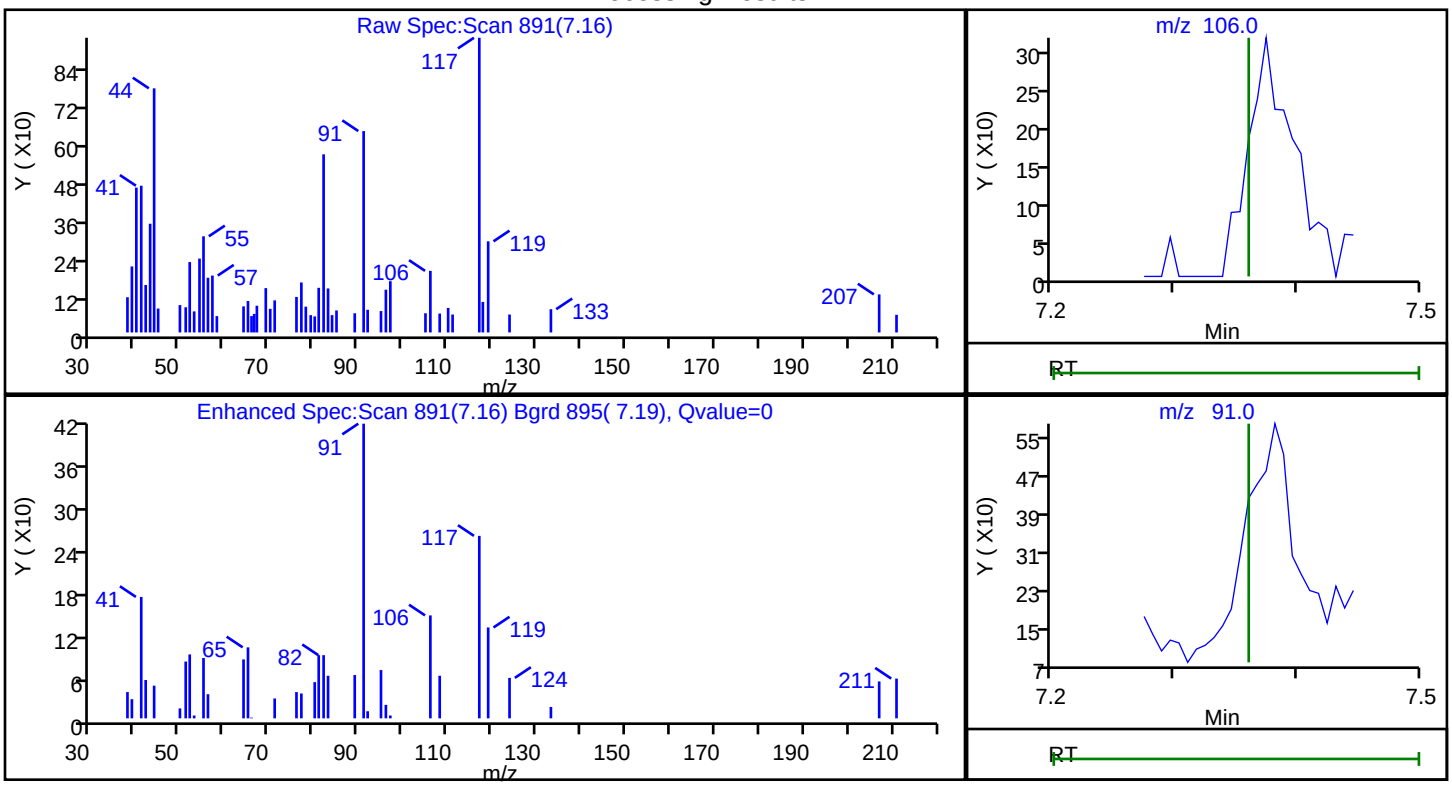
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 96 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.16 | 106.00 | 257 | 0.046730 |
| 7.15 | 91.00 | 2535 | |

Reviewer: boykink, 05-Oct-2018 19:08:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

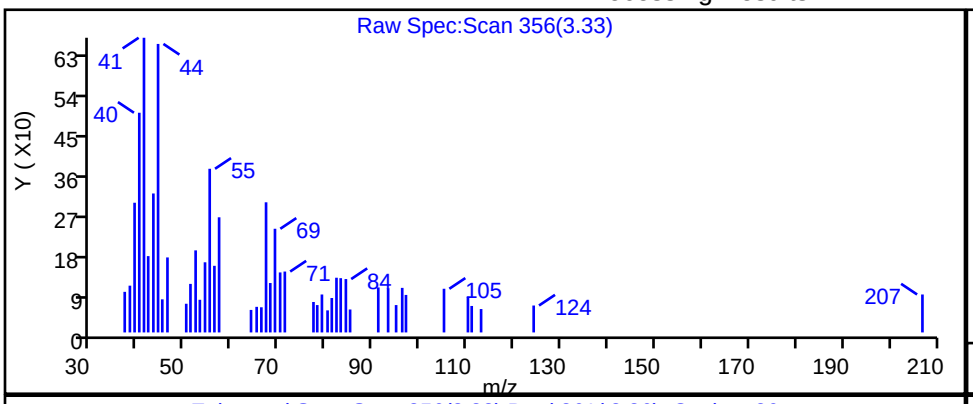
User Disabled Compound Report

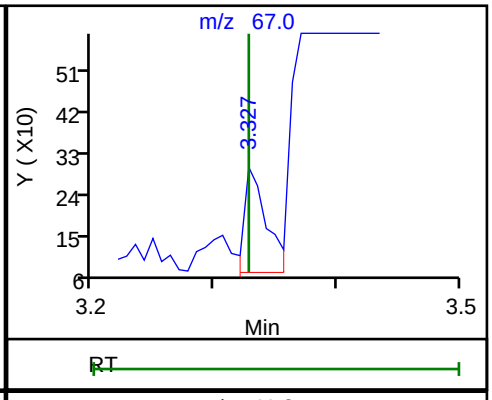
TestAmerica Edison

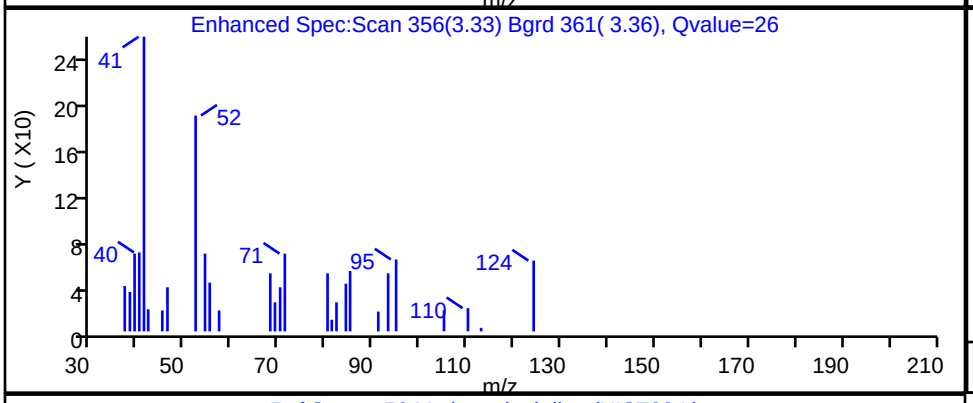
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

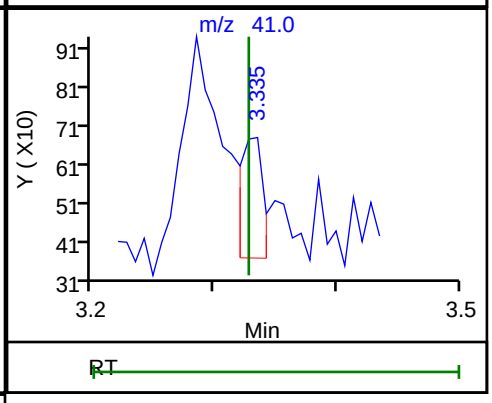
## 56 Methacrylonitrile, CAS: 126-98-7

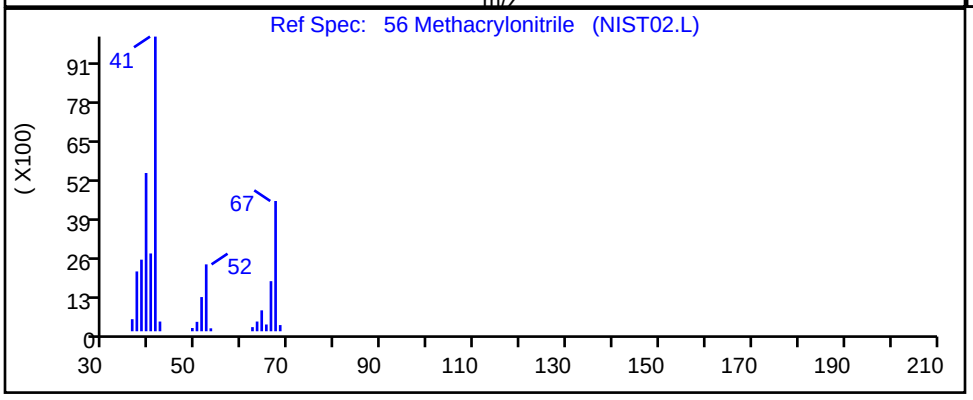
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.33 | 67.00 | 297 | 0.372559 |
| 3.33 | 41.00 | 415 | |

Reviewer: boykink, 05-Oct-2018 19:08:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

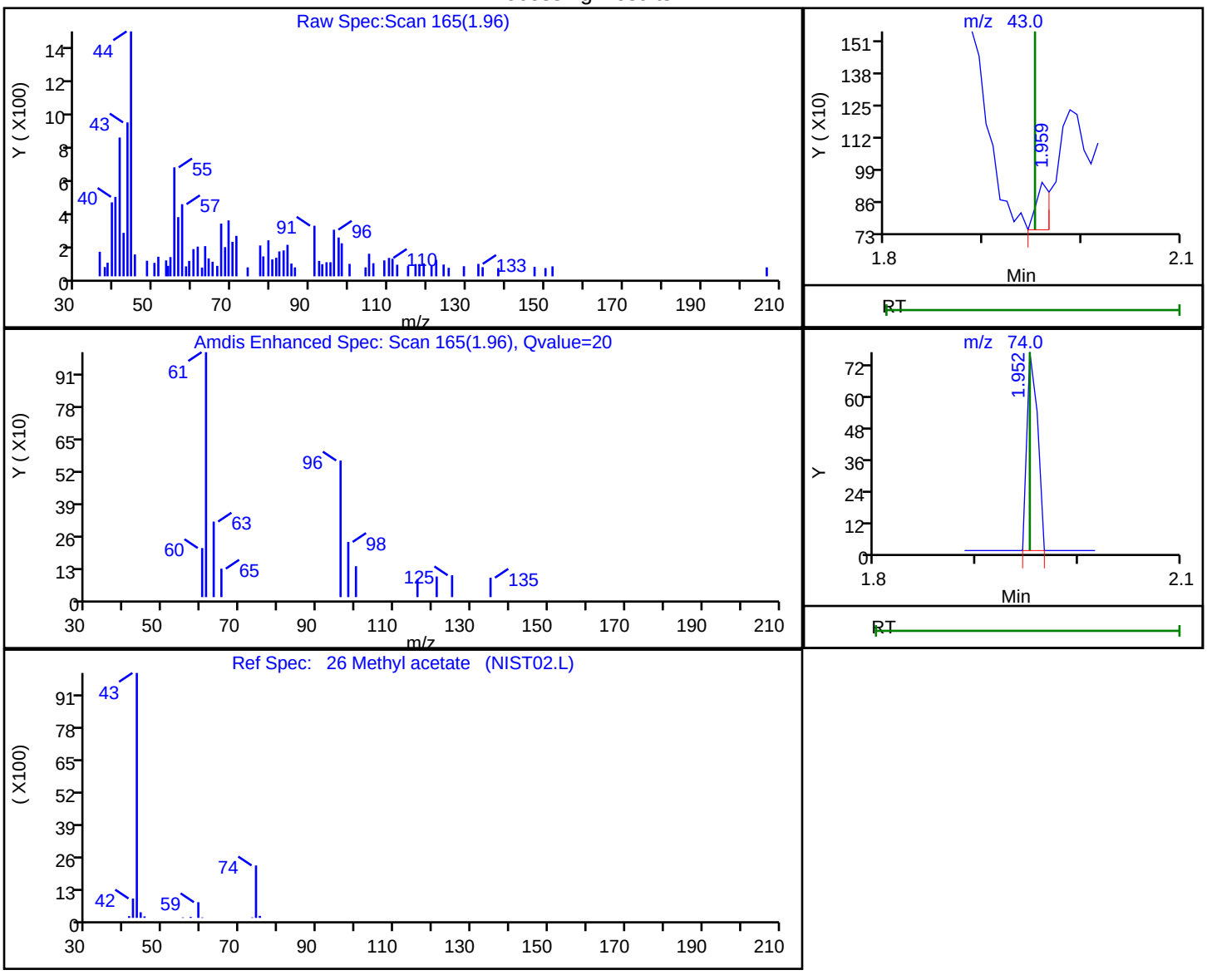
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 26 Methyl acetate, CAS: 79-20-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.96 | 43.00 | 187 | 0.143554 |
| 1.95 | 74.00 | 56 | |

Reviewer: boykink, 05-Oct-2018 19:07:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

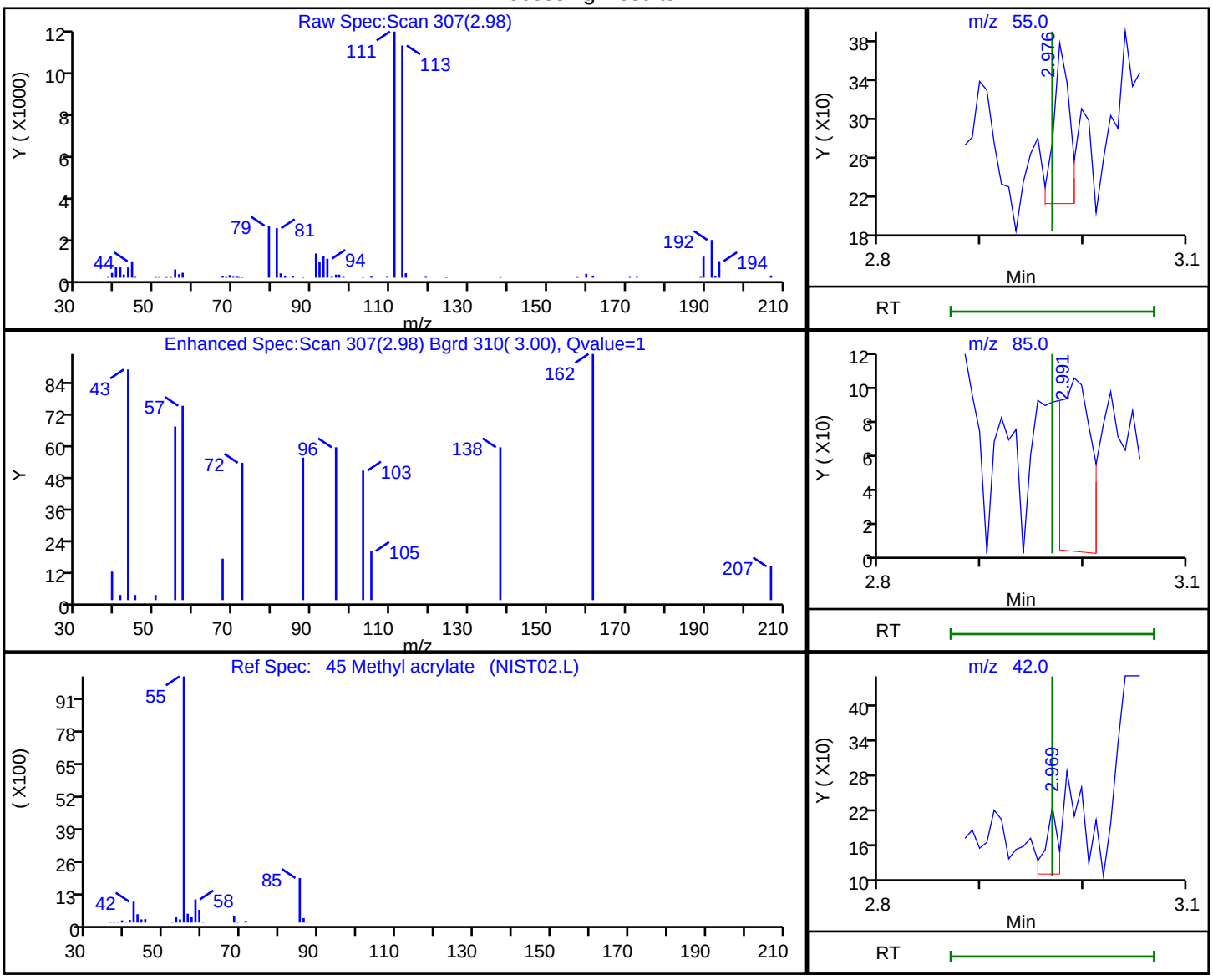
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 45 Methyl acrylate, CAS: 96-33-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.98 | 55.00 | 177 | 0.101055 |
| 2.99 | 85.00 | 214 | |
| 2.97 | 42.00 | 93 | |

Reviewer: boykink, 05-Oct-2018 19:07:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

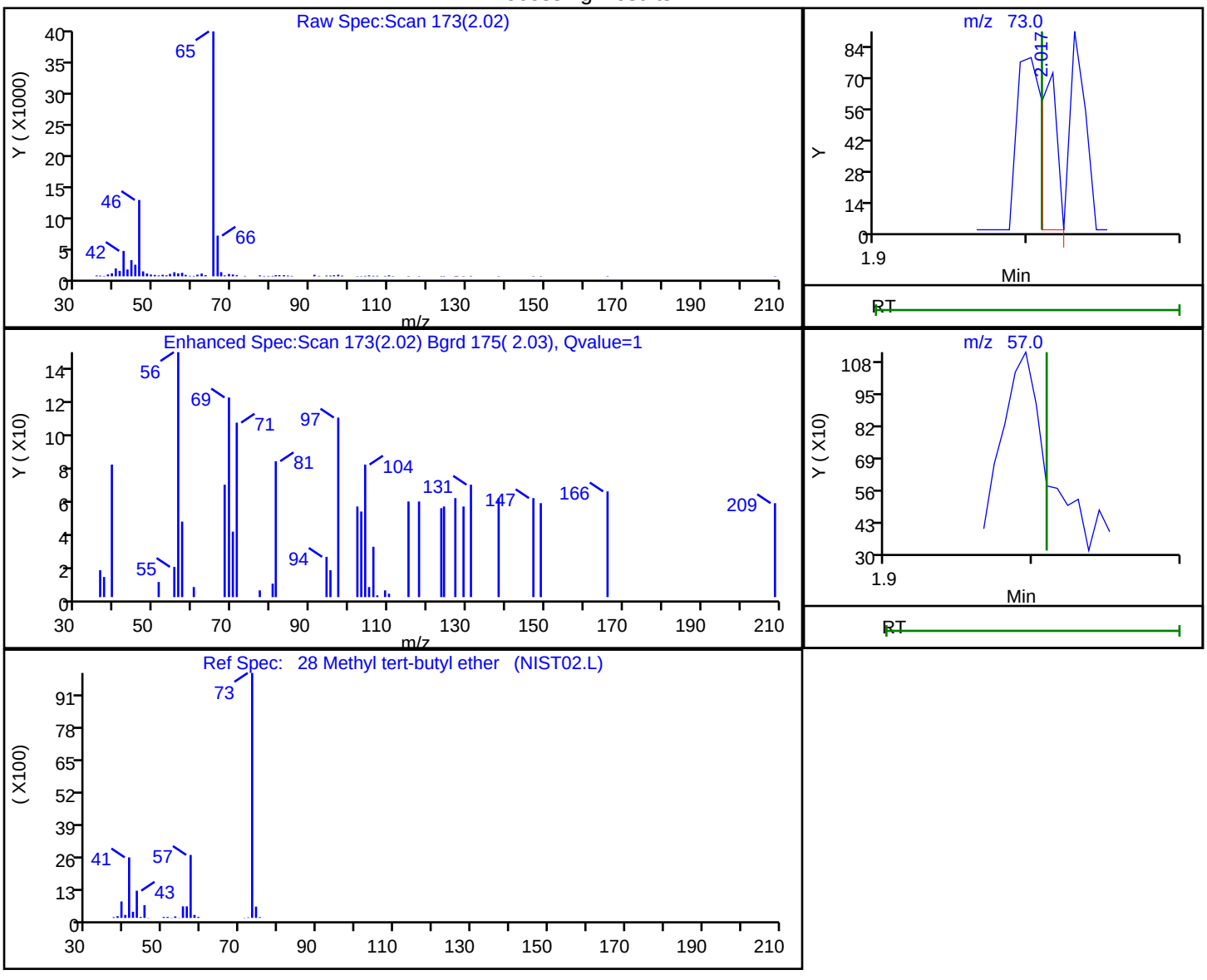
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 28 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.02 | 73.00 | 56 | 0.008451 |
| 2.01 | 57.00 | 0 | |

Reviewer: boykink, 05-Oct-2018 19:07:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

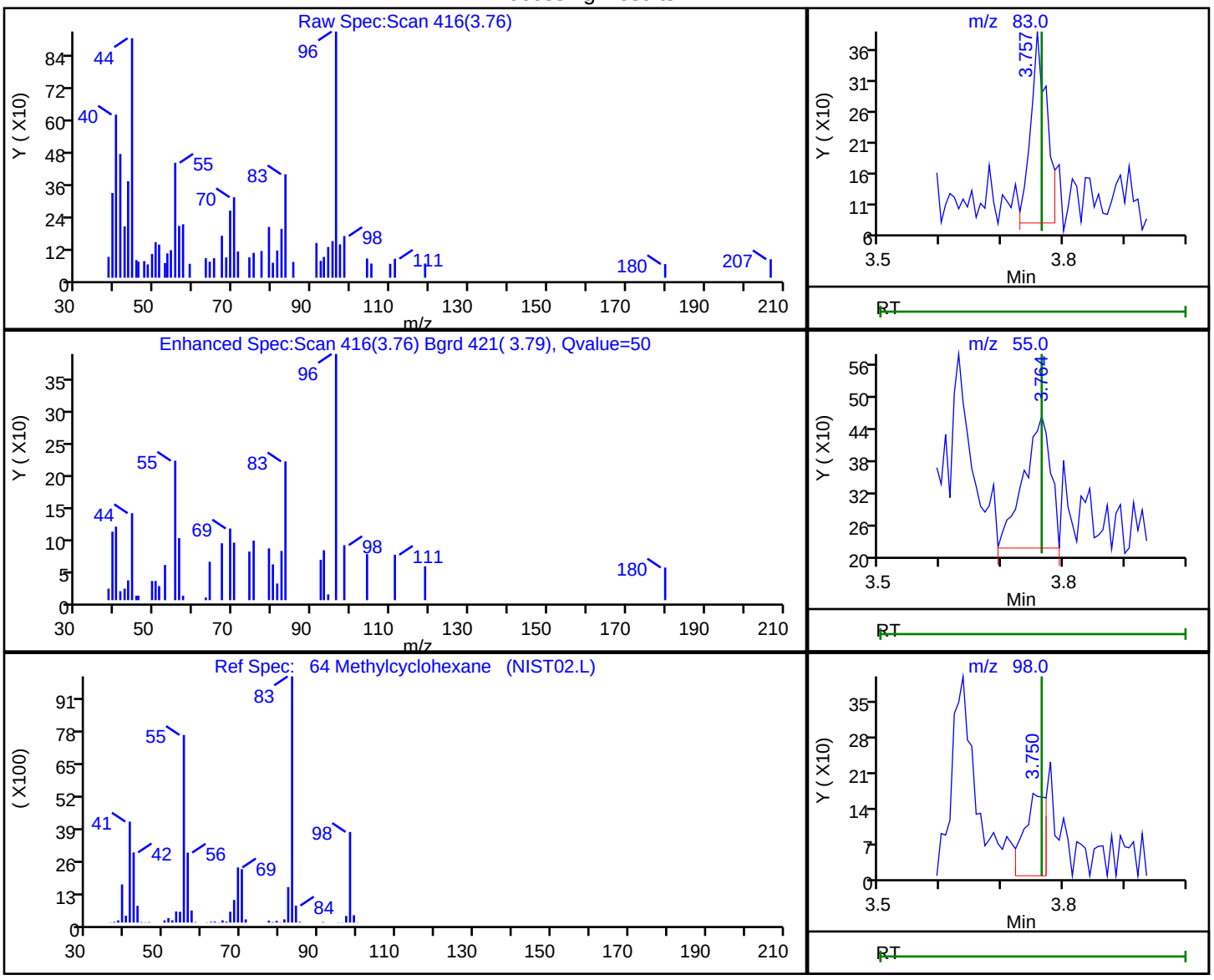
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 64 Methylcyclohexane, CAS: 108-87-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.76 | 83.00 | 575 | 0.146557 |
| 3.76 | 55.00 | 750 | |
| 3.75 | 98.00 | 406 | |

Reviewer: boykink, 05-Oct-2018 19:08:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

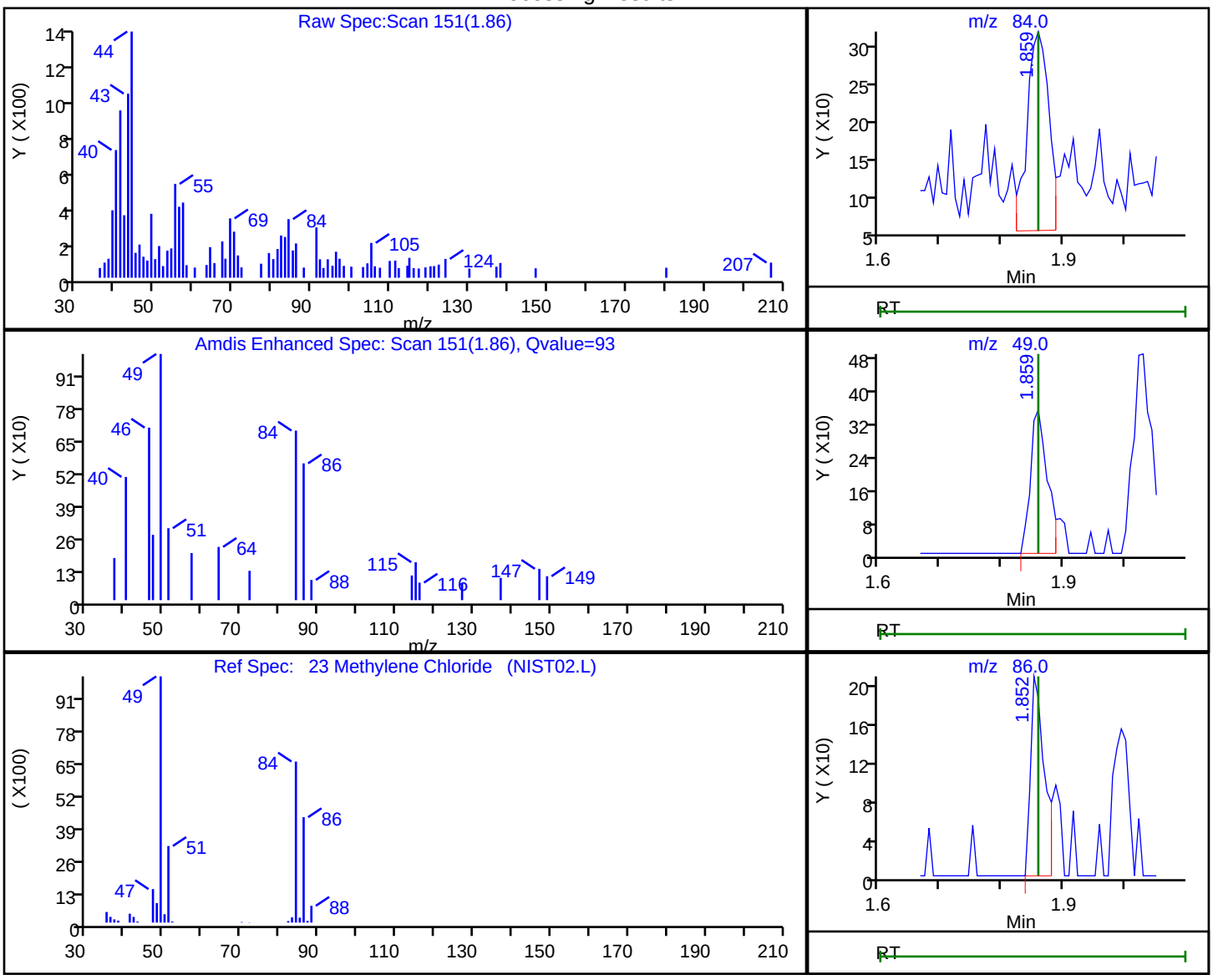
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 23 Methylene Chloride, CAS: 75-09-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.86 | 84.00 | 652 | 0.223697 |
| 1.86 | 49.00 | 667 | |
| 1.85 | 86.00 | 331 | |

Reviewer: boykink, 05-Oct-2018 19:07:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

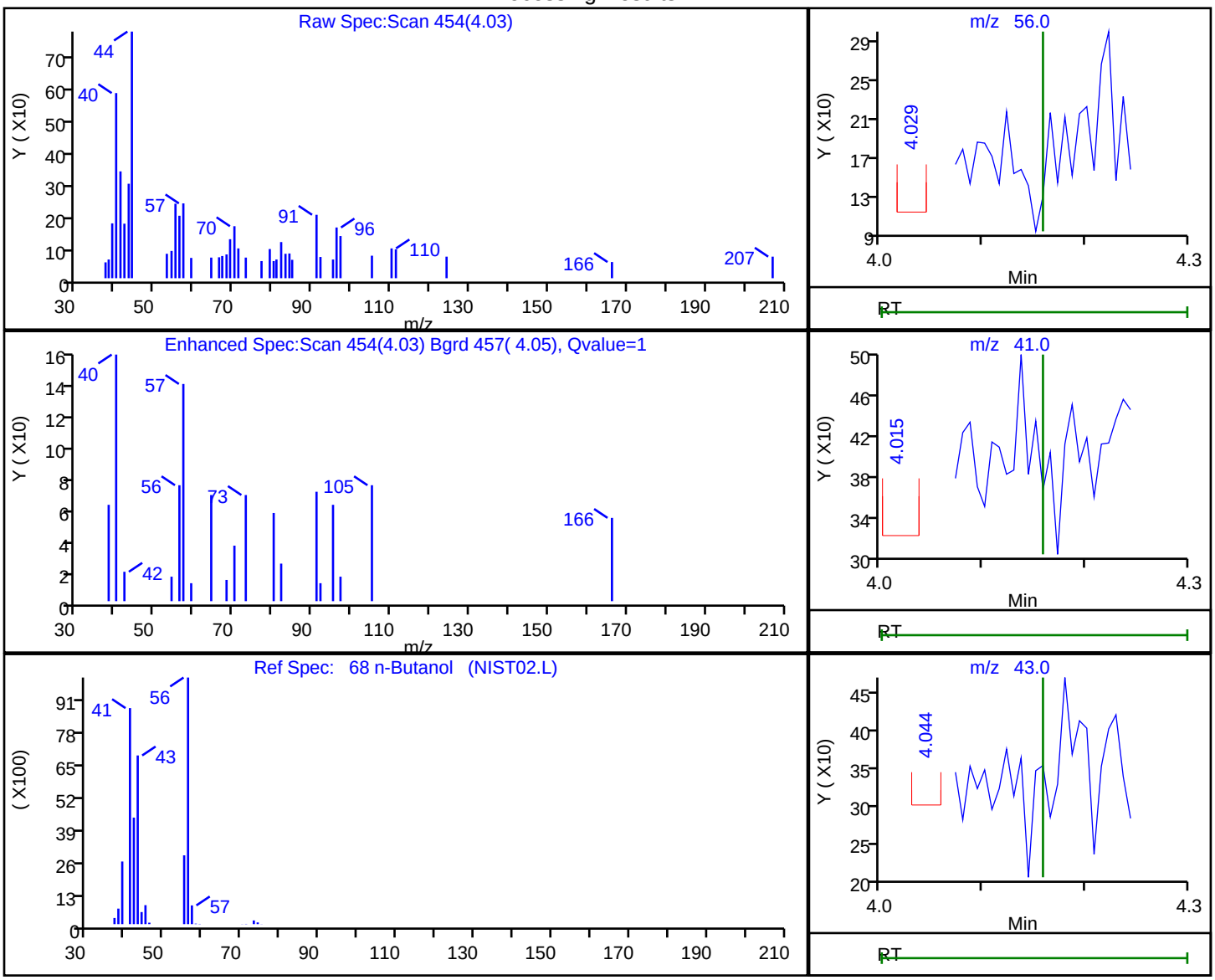
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 68 n-Butanol, CAS: 71-36-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 4.03 | 56.00 | 81 | 4.067994 |
| 4.02 | 41.00 | 234 | |
| 4.04 | 43.00 | 174 | |

Reviewer: boykink, 05-Oct-2018 19:08:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

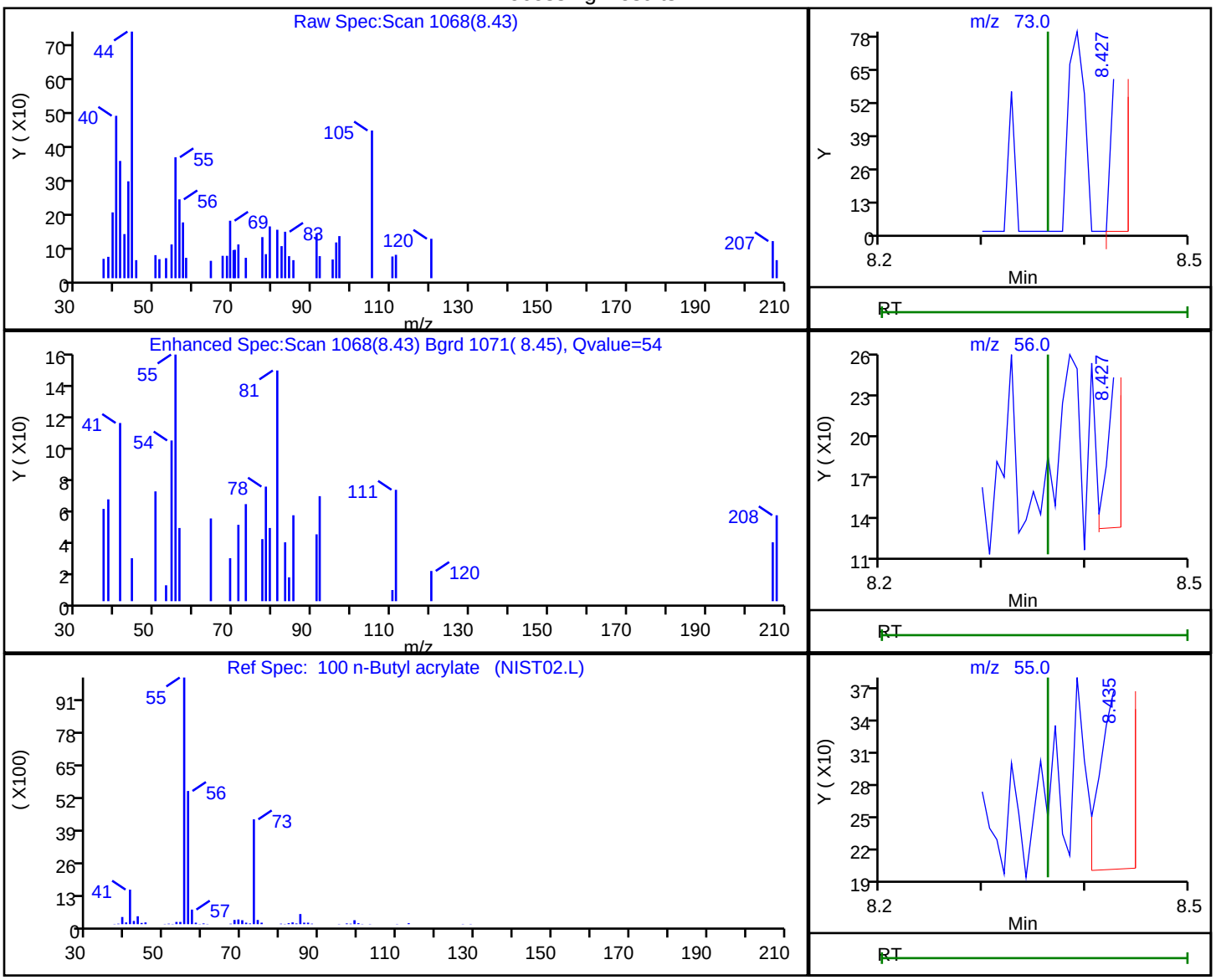
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 100 n-Butyl acrylate, CAS: 141-32-2

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.43 | 73.00 | 49 | 0.041633 |
| 8.43 | 56.00 | 75 | |
| 8.43 | 55.00 | 277 | |

Reviewer: boykink, 05-Oct-2018 19:08:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

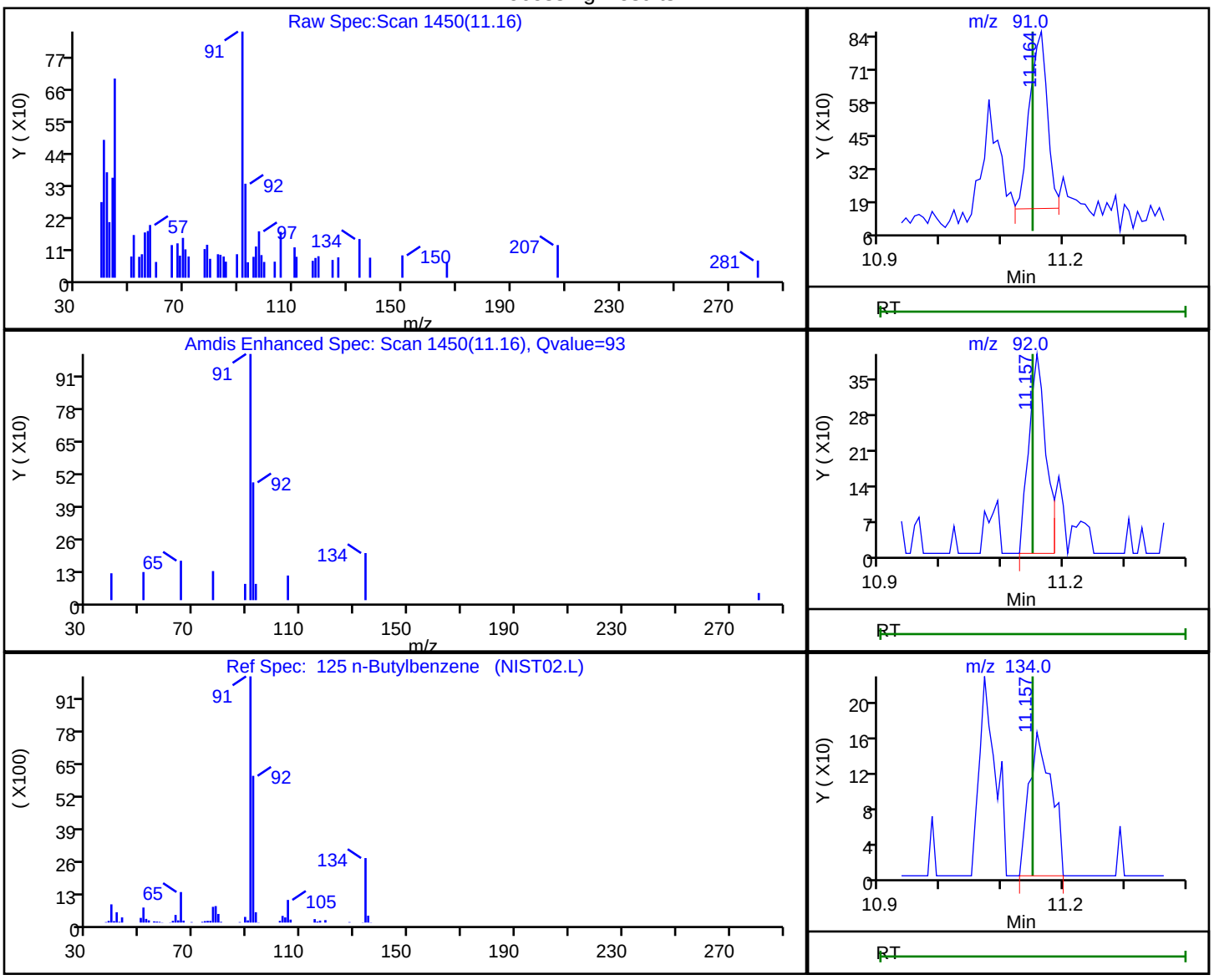
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 125 n-Butylbenzene, CAS: 104-51-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.16 | 91.00 | 1432 | 0.147786 |
| 11.16 | 92.00 | 776 | |
| 11.16 | 134.00 | 404 | |

Reviewer: boykink, 05-Oct-2018 19:08:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

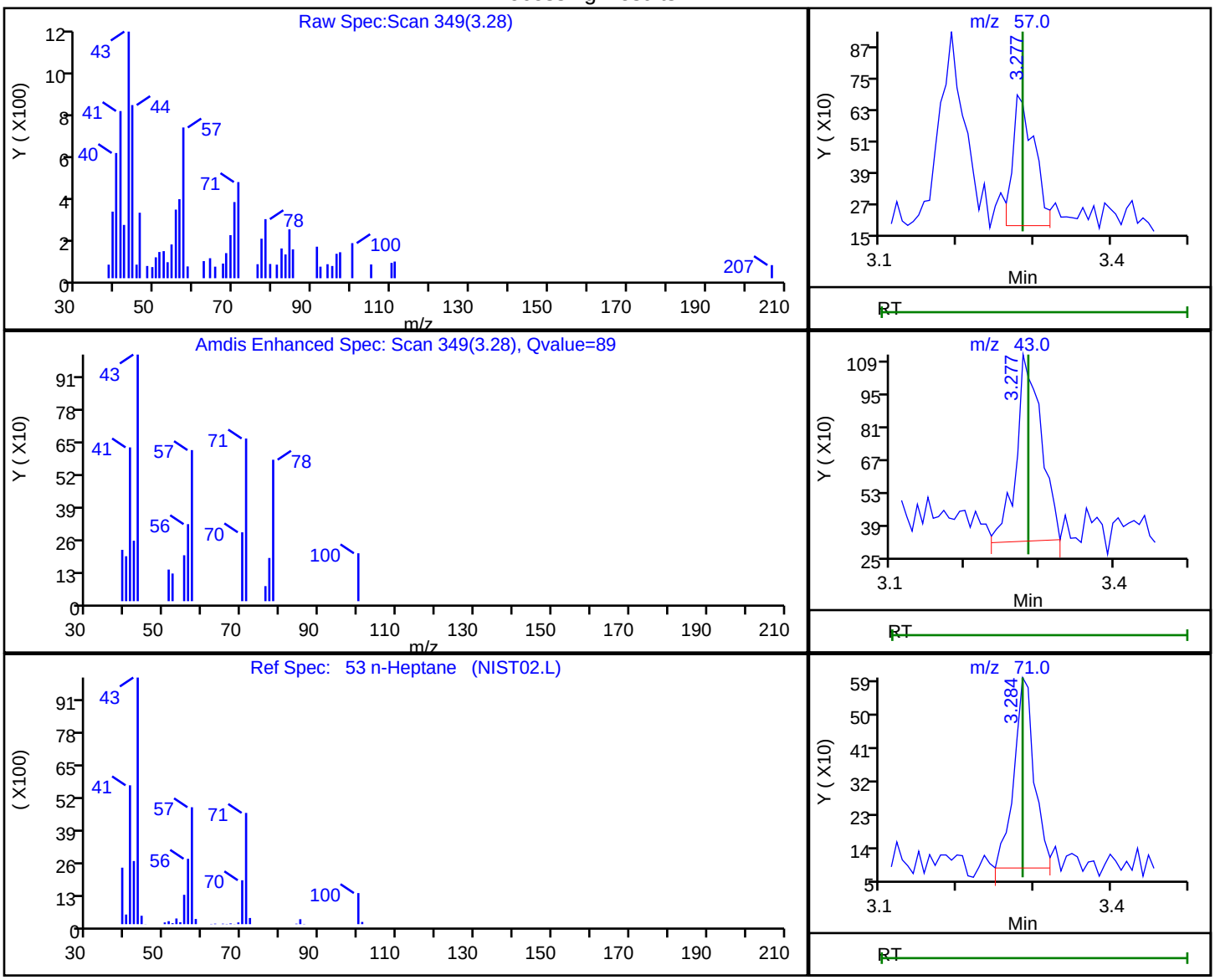
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 53 n-Heptane, CAS: 142-82-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.28 | 57.00 | 1000 | 0.568747 |
| 3.28 | 43.00 | 1881 | |
| 3.28 | 71.00 | 942 | |

Reviewer: boykink, 05-Oct-2018 19:07:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

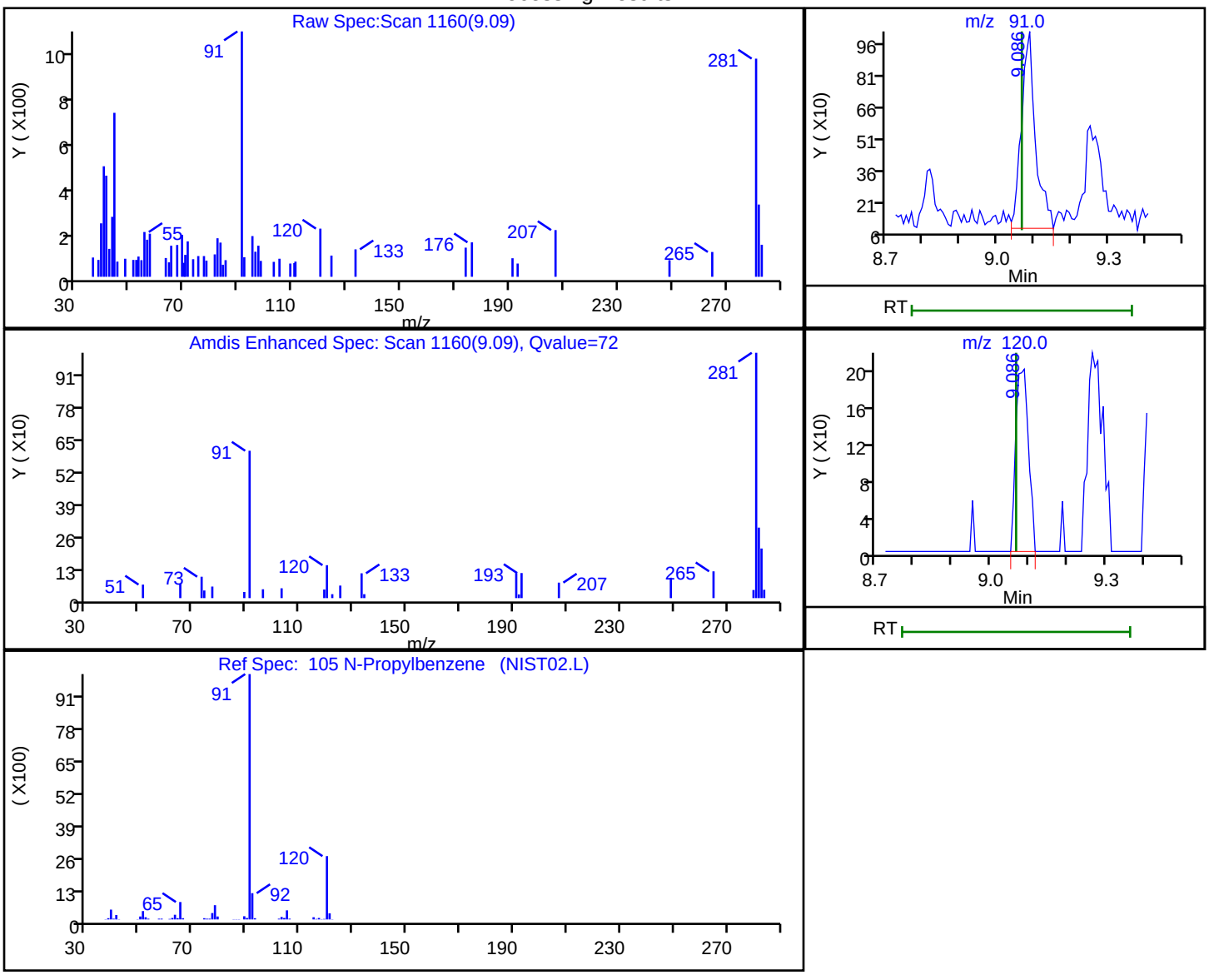
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 105 N-Propylbenzene, CAS: 103-65-1

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.09 | 91.00 | 2508 | 0.191785 |
| 9.09 | 120.00 | 465 | |

Reviewer: boykink, 05-Oct-2018 19:08:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

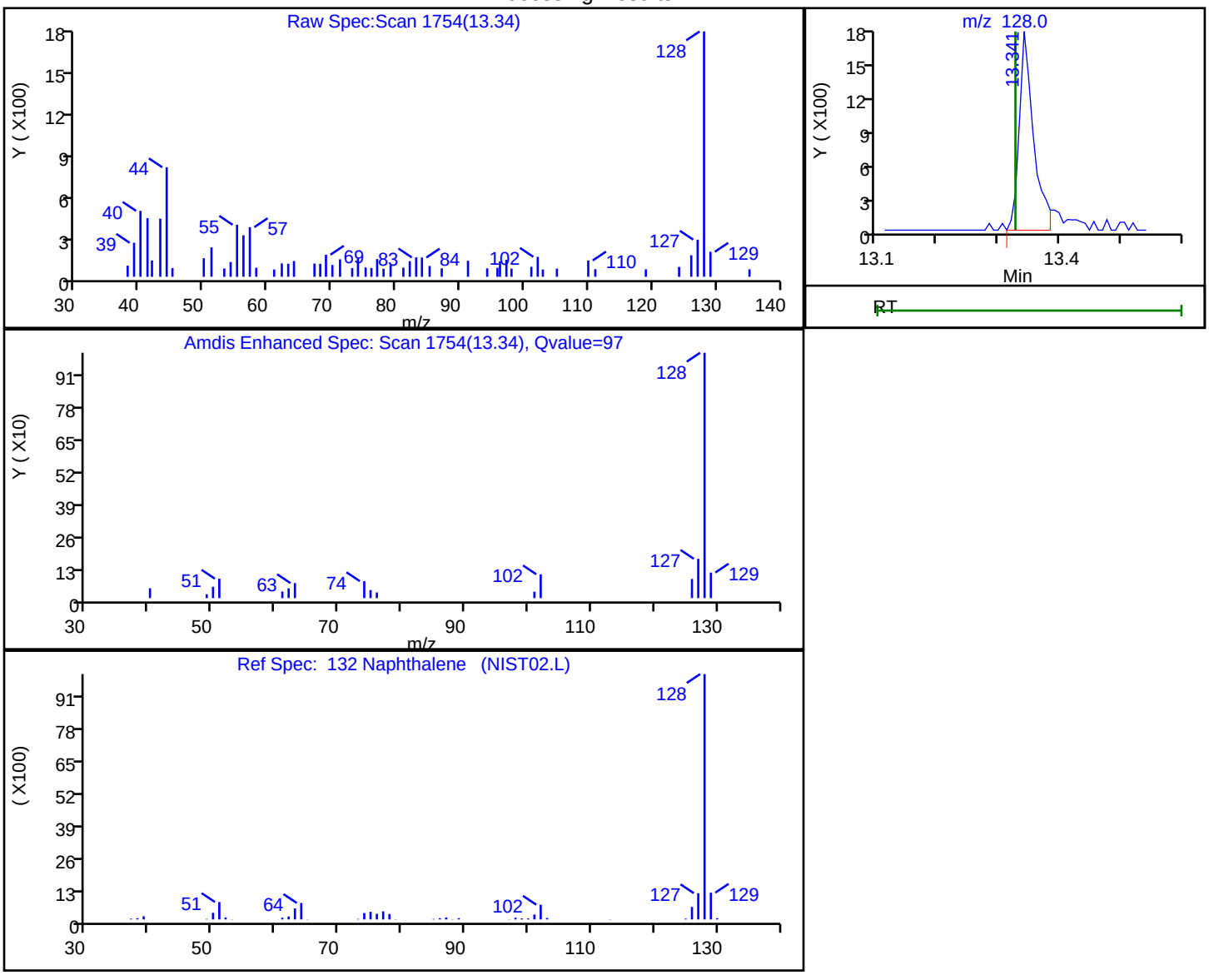
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 132 Naphthalene, CAS: 91-20-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 13.34 | 128.00 | 2862 | 0.406832 |

Reviewer: boykink, 05-Oct-2018 19:08:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

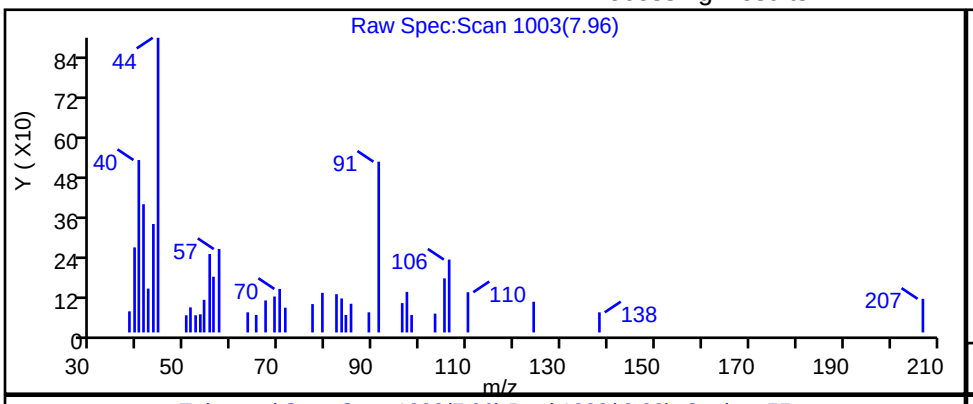
User Disabled Compound Report

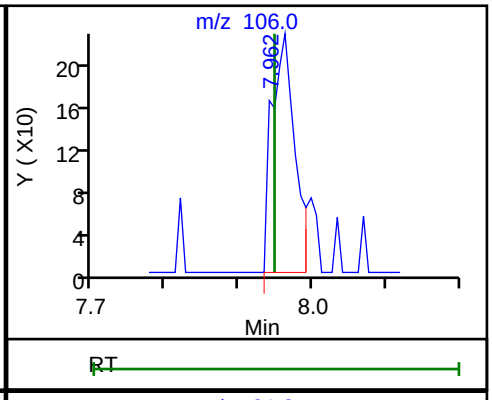
TestAmerica Edison

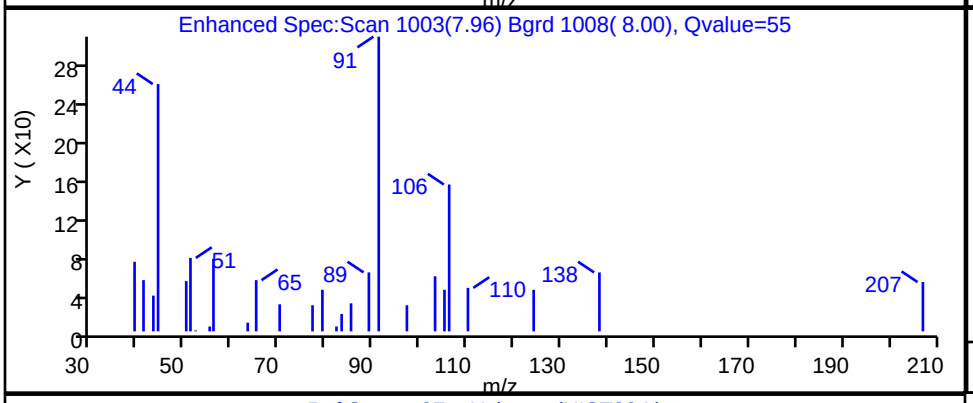
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

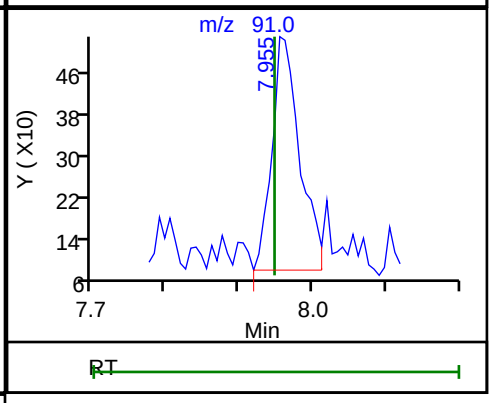
## 97 o-Xylene, CAS: 95-47-6

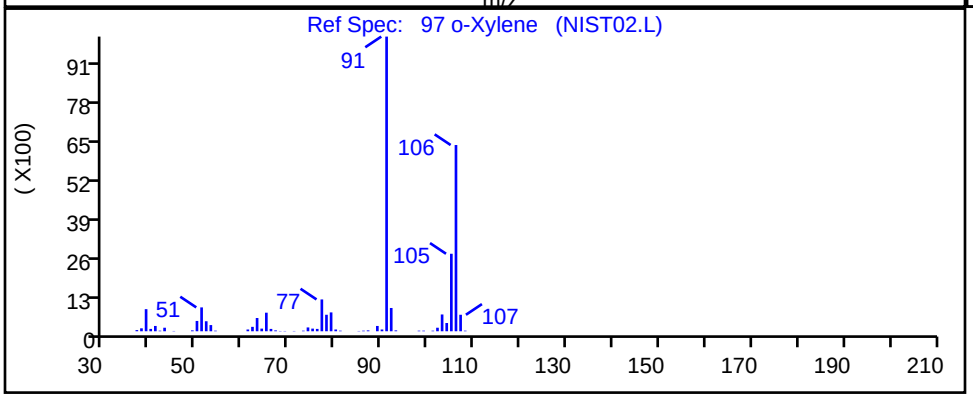
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 7.96 | 106.00 | 483 | 0.096494 |
| 7.95 | 91.00 | 1176 | |

Reviewer: boykink, 05-Oct-2018 19:08:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

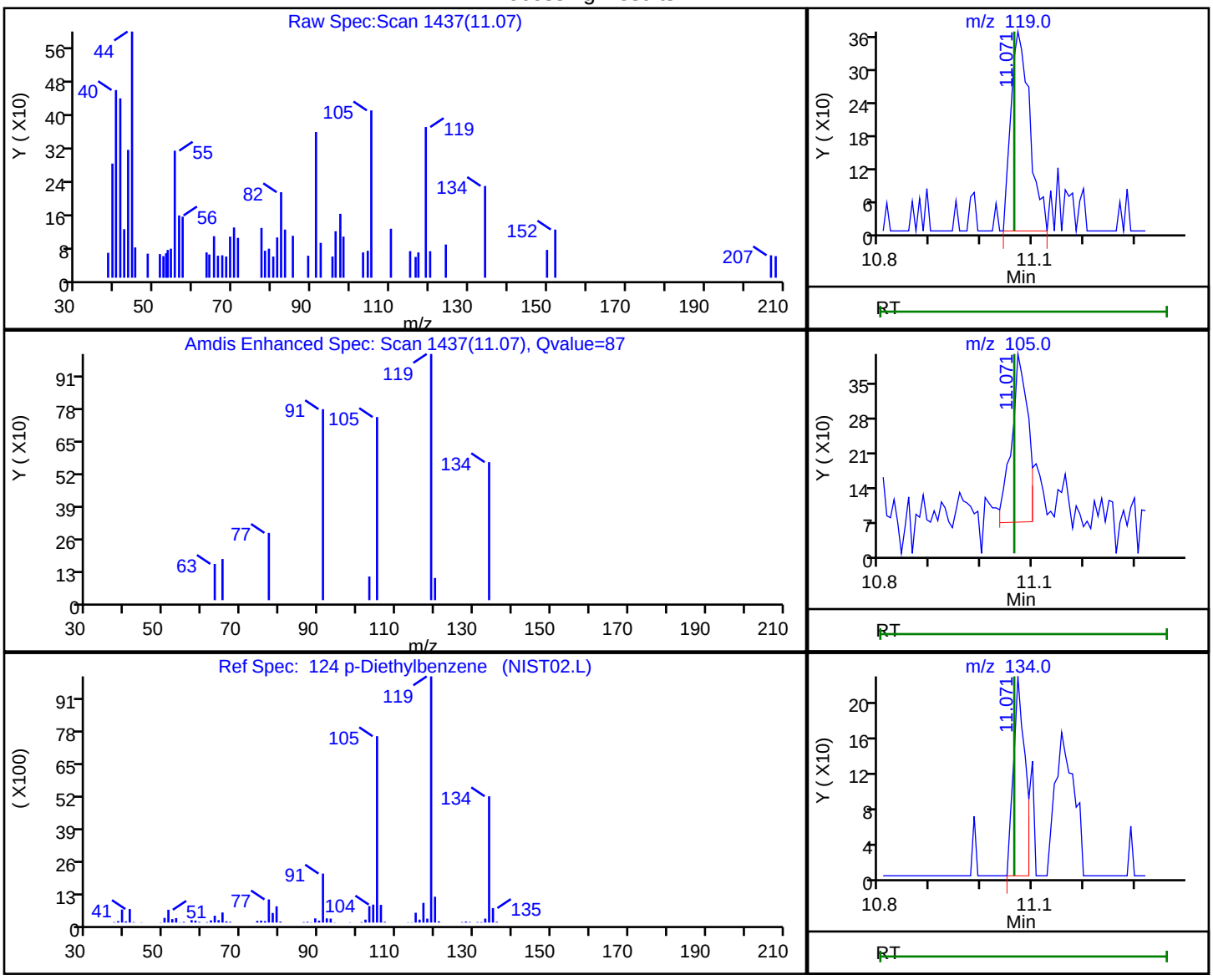
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 124 p-Diethylbenzene, CAS: 105-05-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 11.07 | 119.00 | 936 | 0.171354 |
| 11.07 | 105.00 | 760 | |
| 11.07 | 134.00 | 349 | |

Reviewer: boykink, 05-Oct-2018 19:08:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

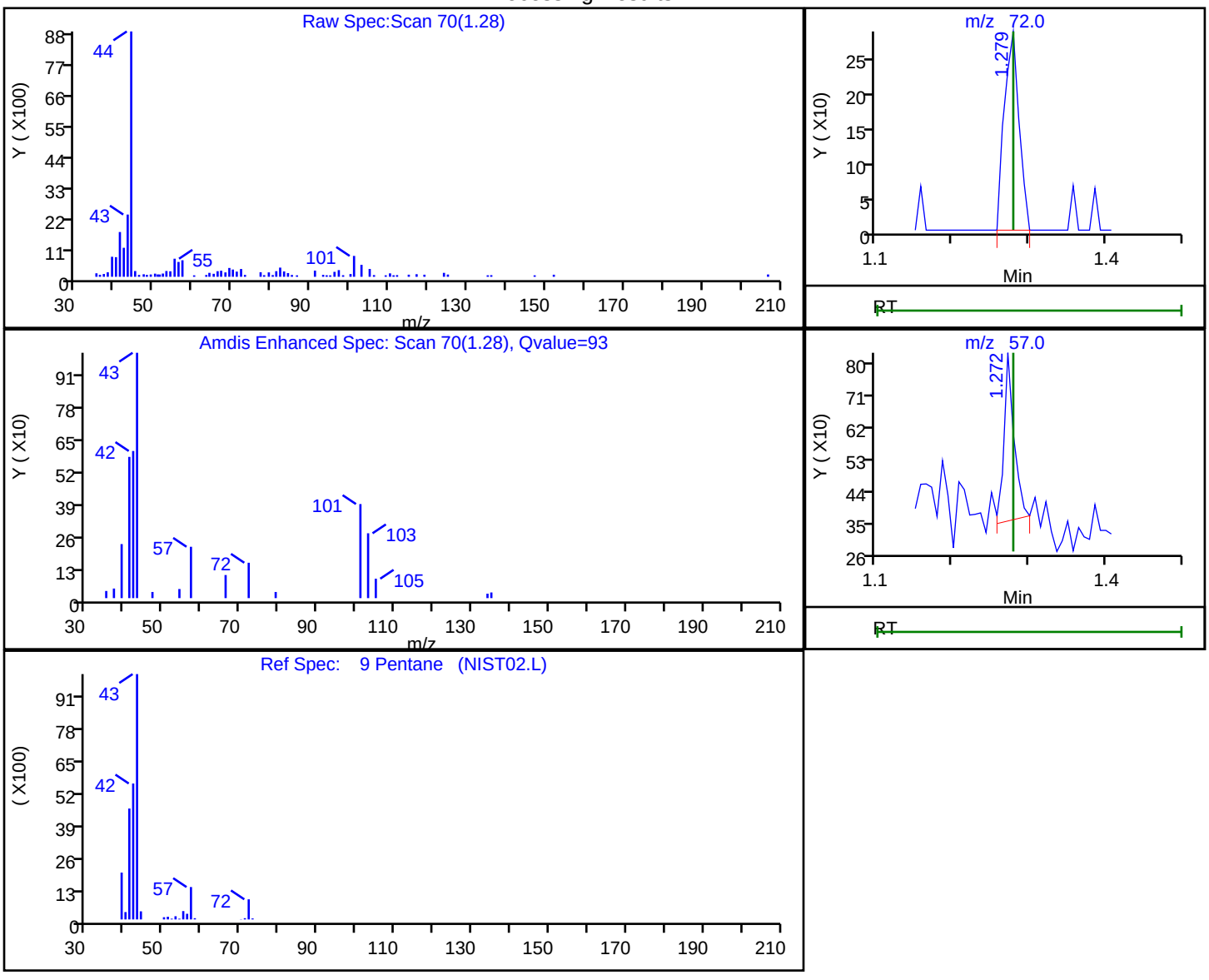
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 9 Pentane, CAS: 109-66-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.28 | 72.00 | 377 | 0.988289 |
| 1.27 | 57.00 | 432 | |

Reviewer: boykink, 05-Oct-2018 19:07:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

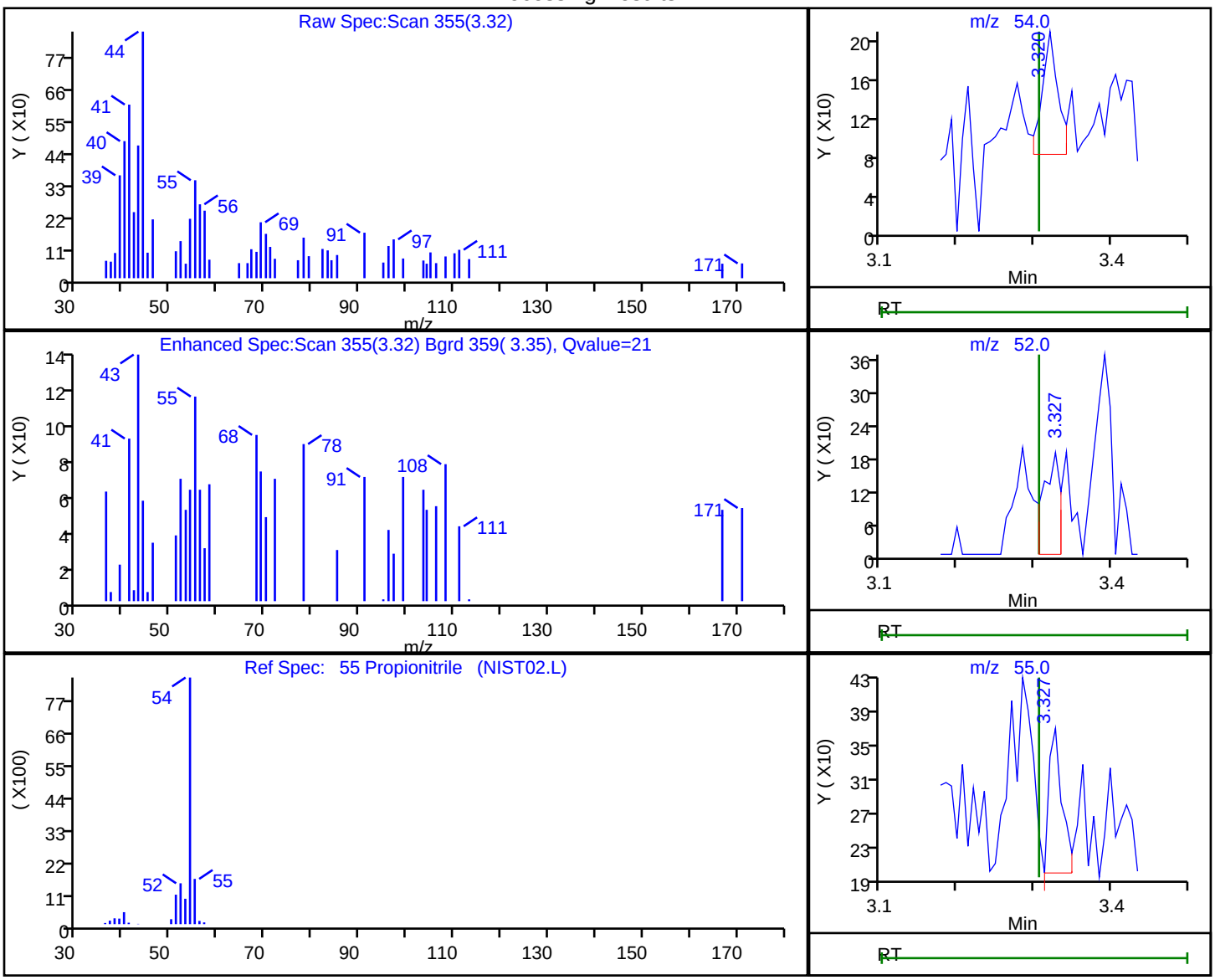
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 55 Propionitrile, CAS: 107-12-0

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.32 | 54.00 | 182 | 0.810608 |
| 3.33 | 52.00 | 281 | |
| 3.33 | 55.00 | 201 | |

Reviewer: boykink, 05-Oct-2018 19:07:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

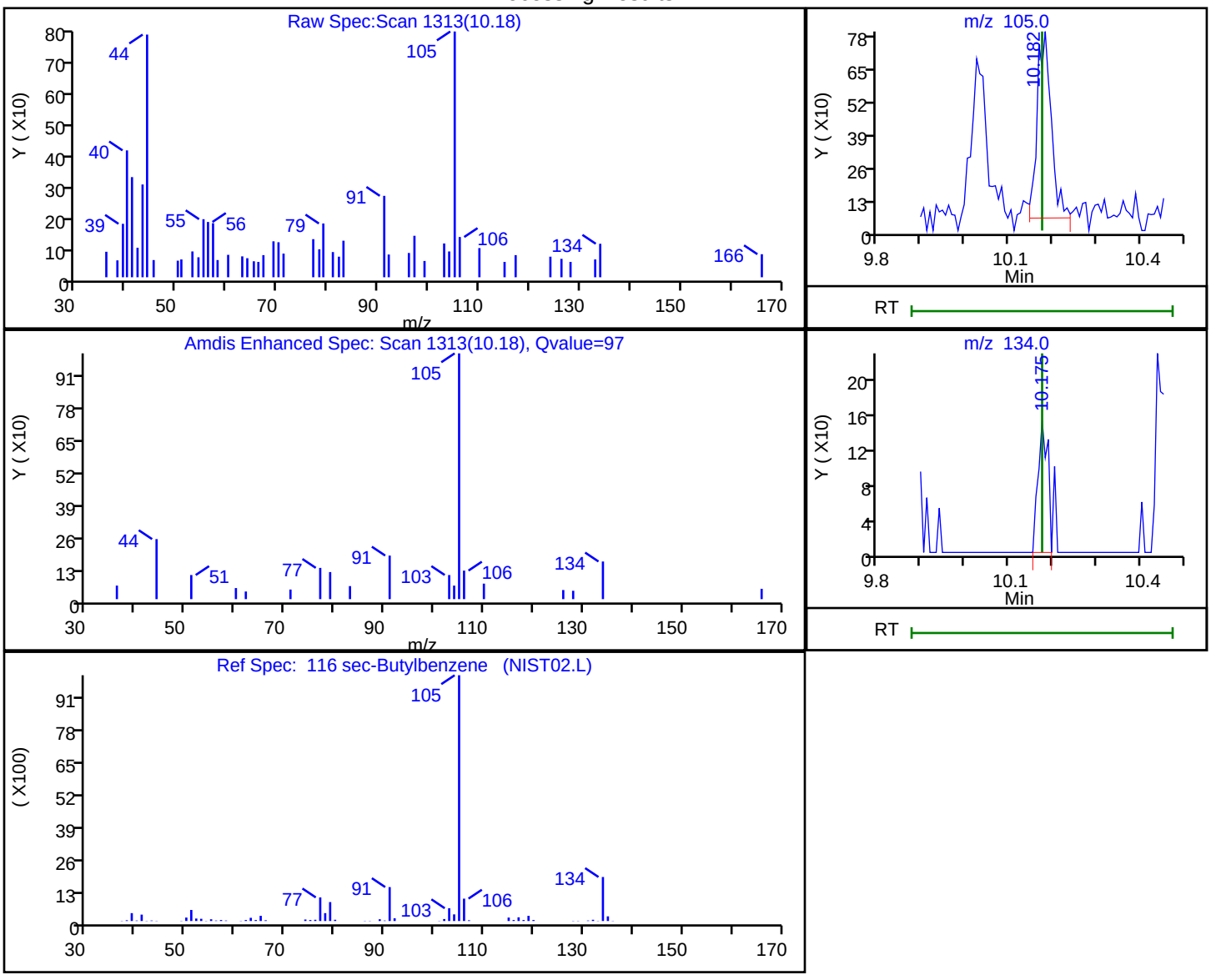
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 116 sec-Butylbenzene, CAS: 135-98-8

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 10.18 | 105.00 | 1672 | 0.134558 |
| 10.18 | 134.00 | 237 | |

Reviewer: boykink, 05-Oct-2018 19:08:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

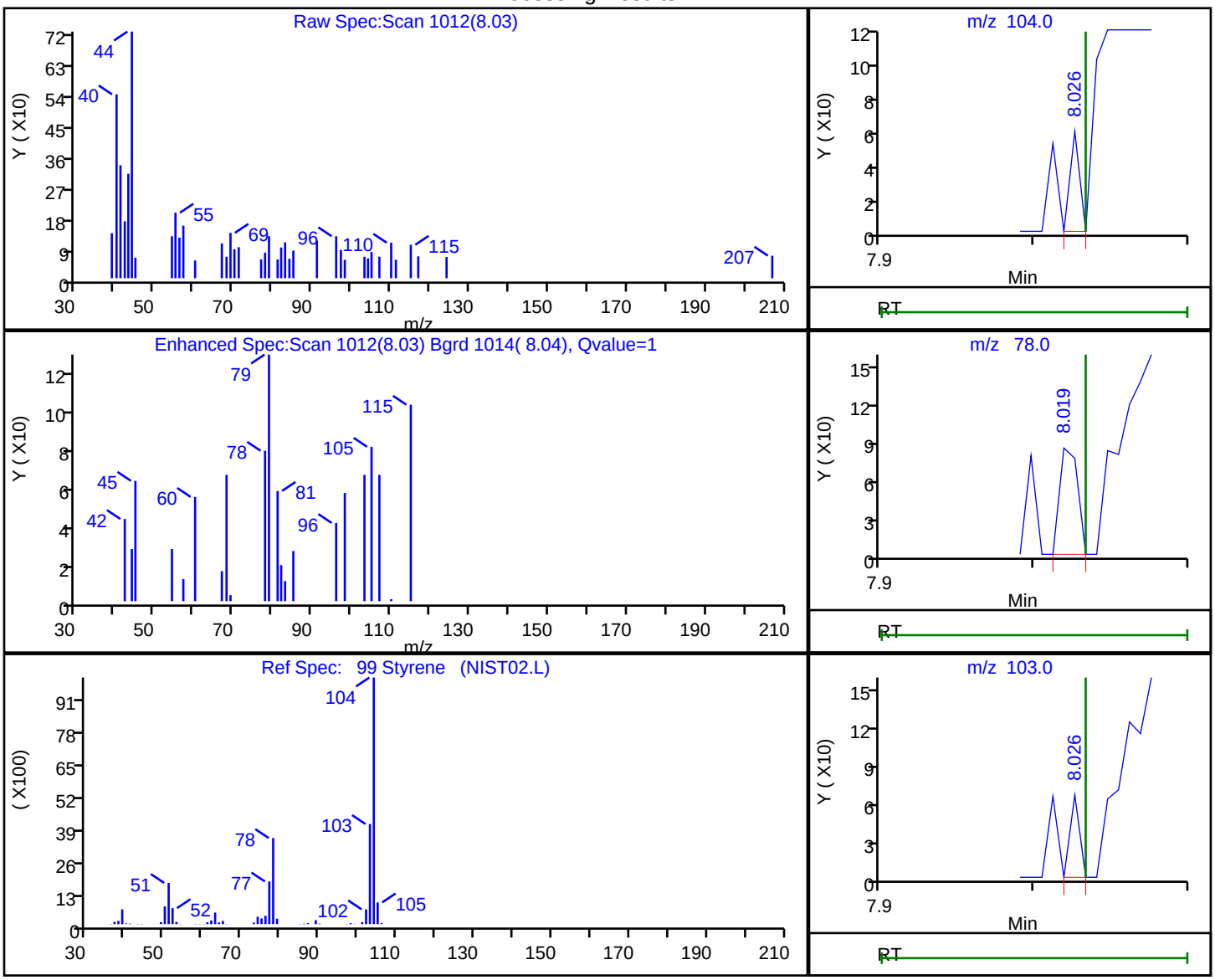
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 99 Styrene, CAS: 100-42-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 8.03 | 104.00 | 25 | 0.003953 |
| 8.02 | 78.00 | 68 | |
| 8.03 | 103.00 | 27 | |

Reviewer: boykink, 05-Oct-2018 19:08:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

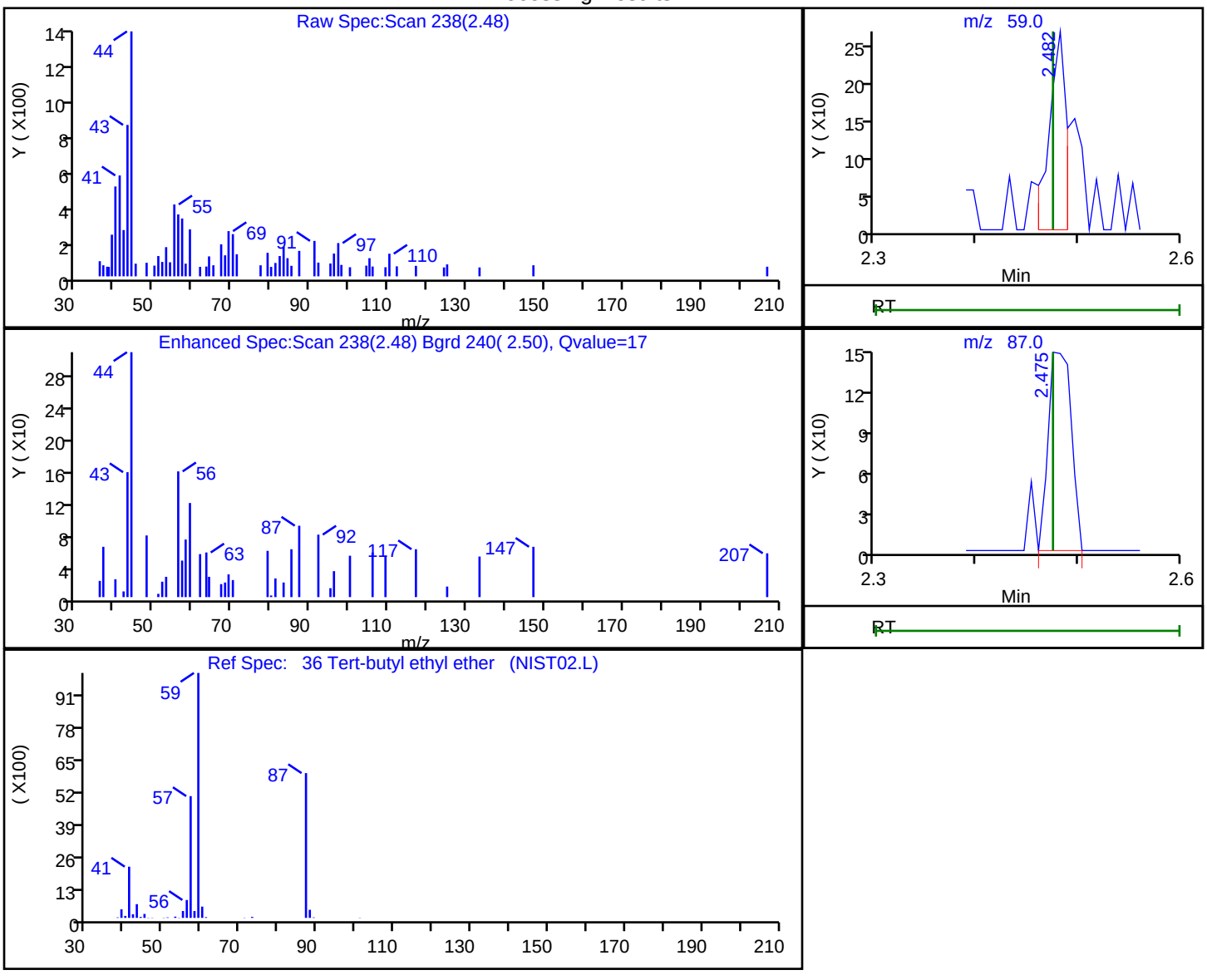
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 36 Tert-butyl ethyl ether, CAS: 637-92-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.48 | 59.00 | 312 | 0.044304 |
| 2.48 | 87.00 | 228 | |

Reviewer: boykink, 05-Oct-2018 19:07:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

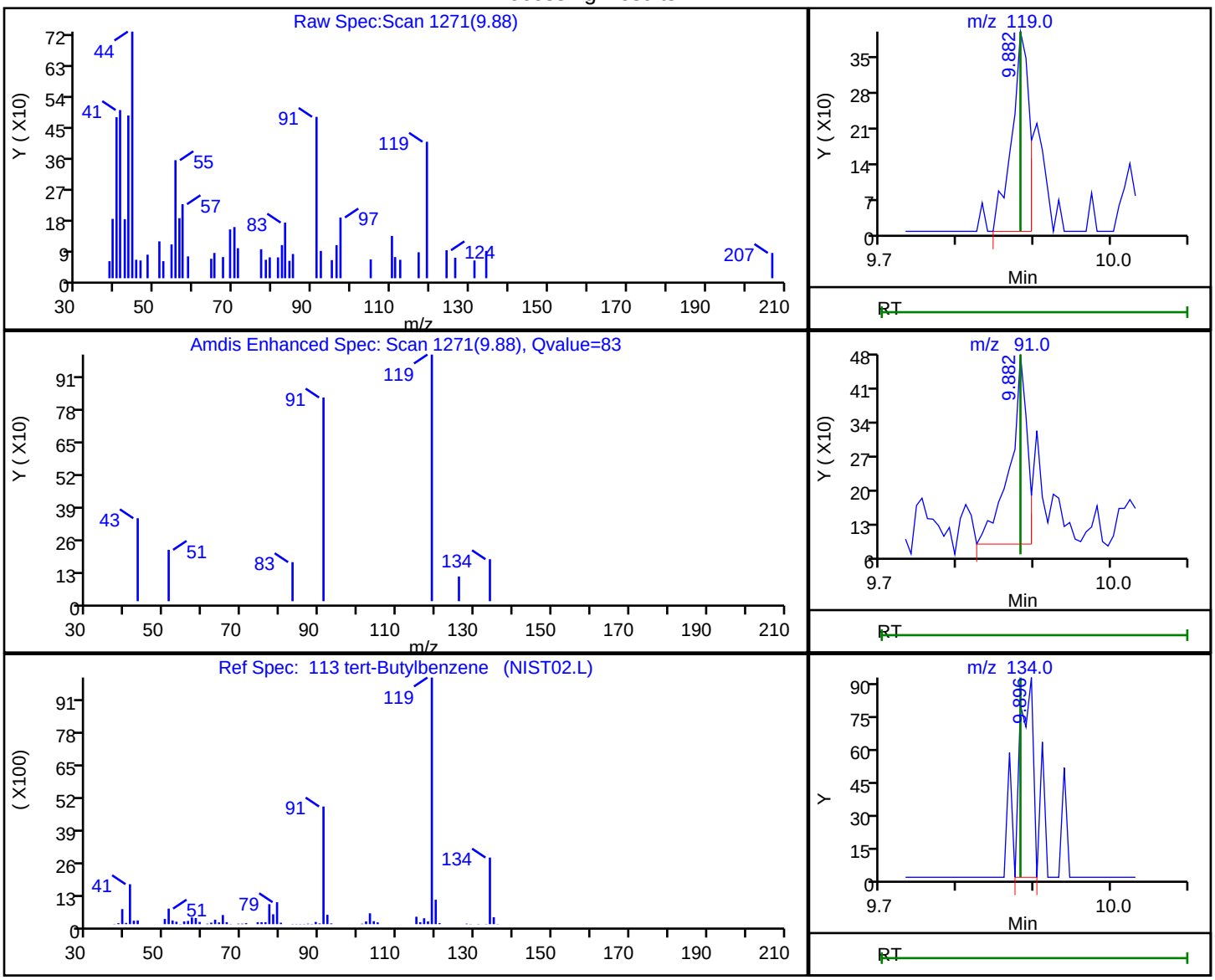
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 113 tert-Butylbenzene, CAS: 98-06-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.88 | 119.00 | 630 | 0.079112 |
| 9.88 | 91.00 | 606 | |
| 9.90 | 134.00 | 104 | |

Reviewer: boykink, 05-Oct-2018 19:08:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

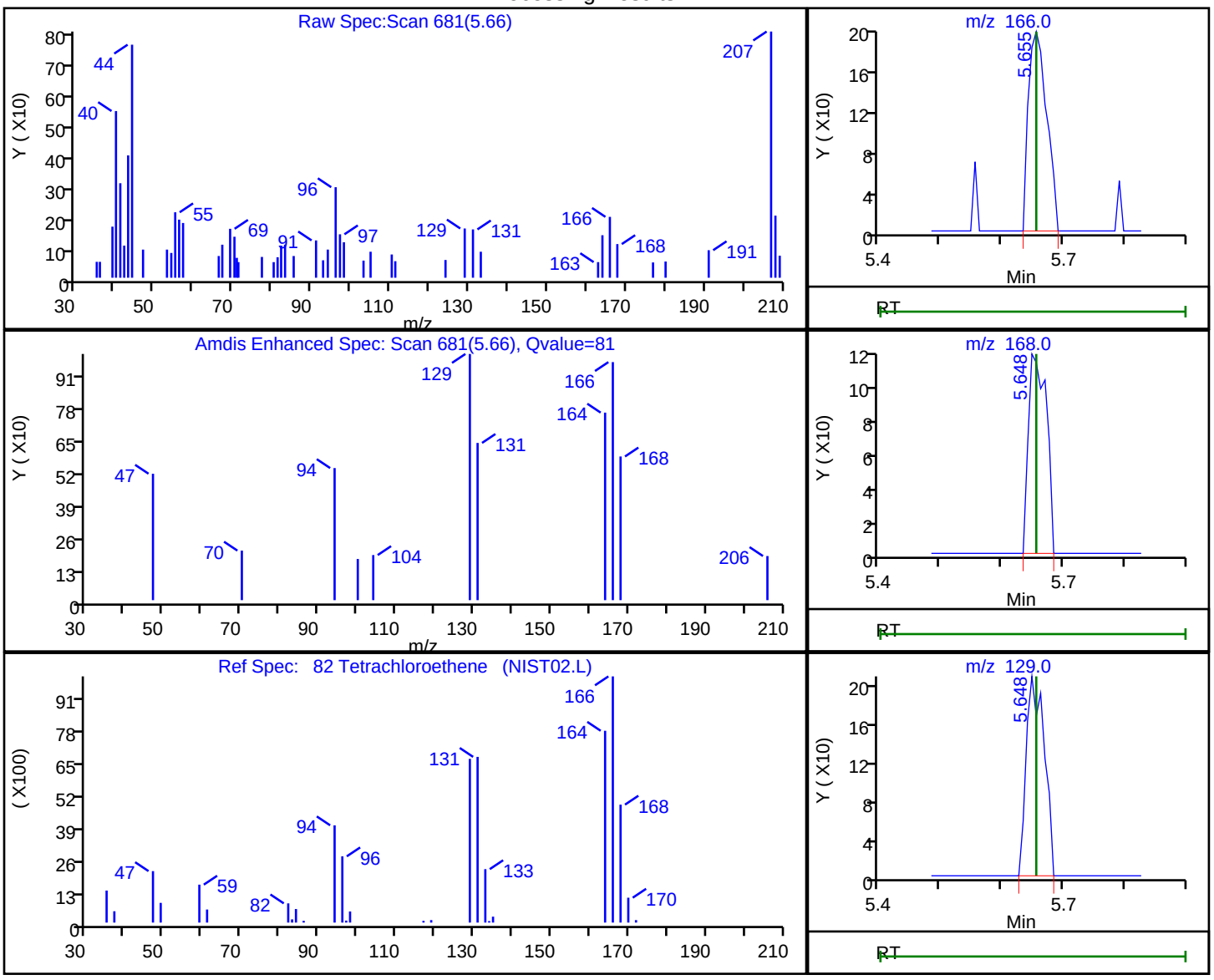
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 82 Tetrachloroethene, CAS: 127-18-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.66 | 166.00 | 414 | 0.162746 |
| 5.65 | 168.00 | 234 | |
| 5.65 | 129.00 | 412 | |

Reviewer: boykink, 05-Oct-2018 19:08:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

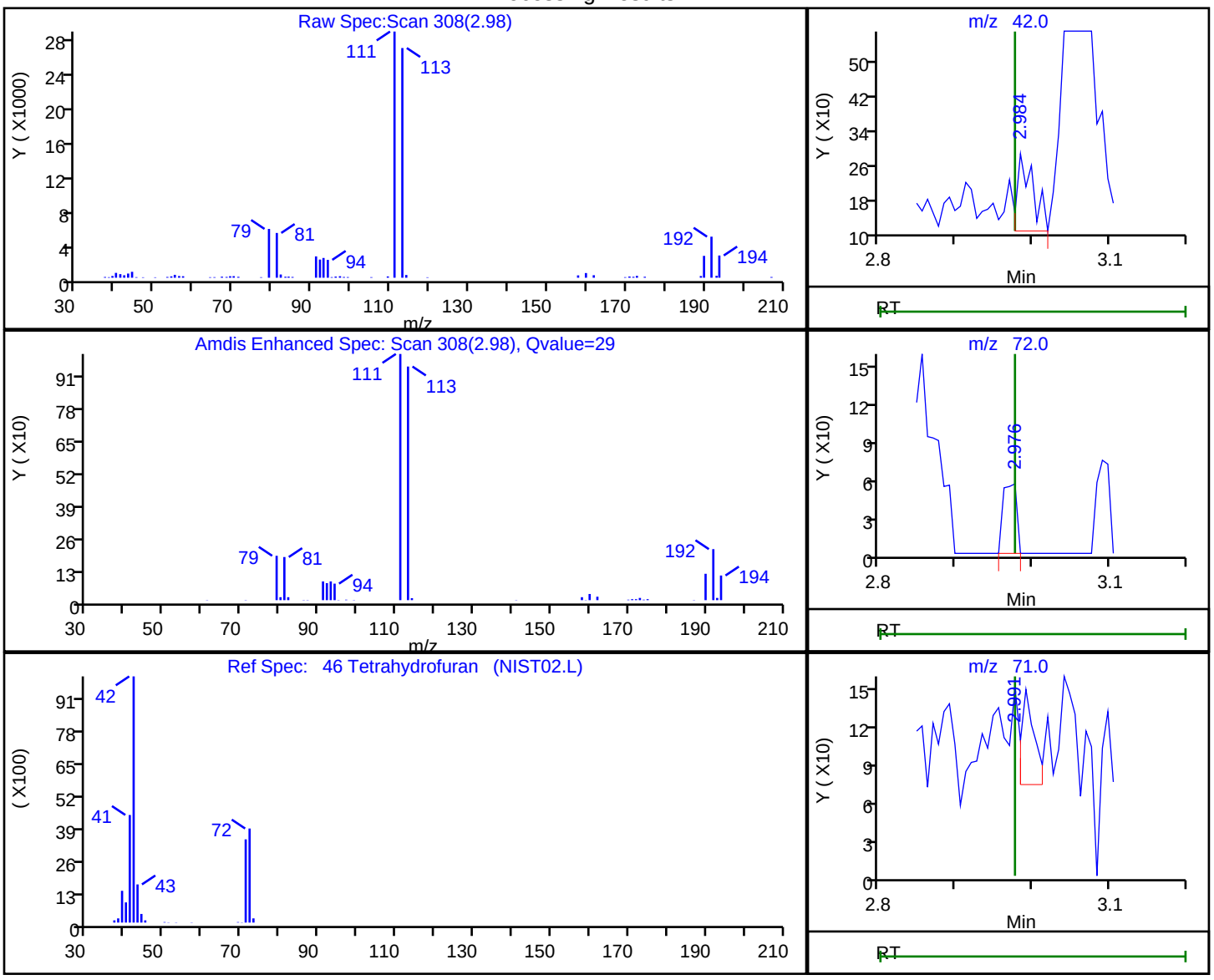
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 46 Tetrahydrofuran, CAS: 109-99-9

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.98 | 42.00 | 253 | 0.363039 |
| 2.98 | 72.00 | 66 | |
| 2.99 | 71.00 | 86 | |

Reviewer: boykink, 05-Oct-2018 19:07:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

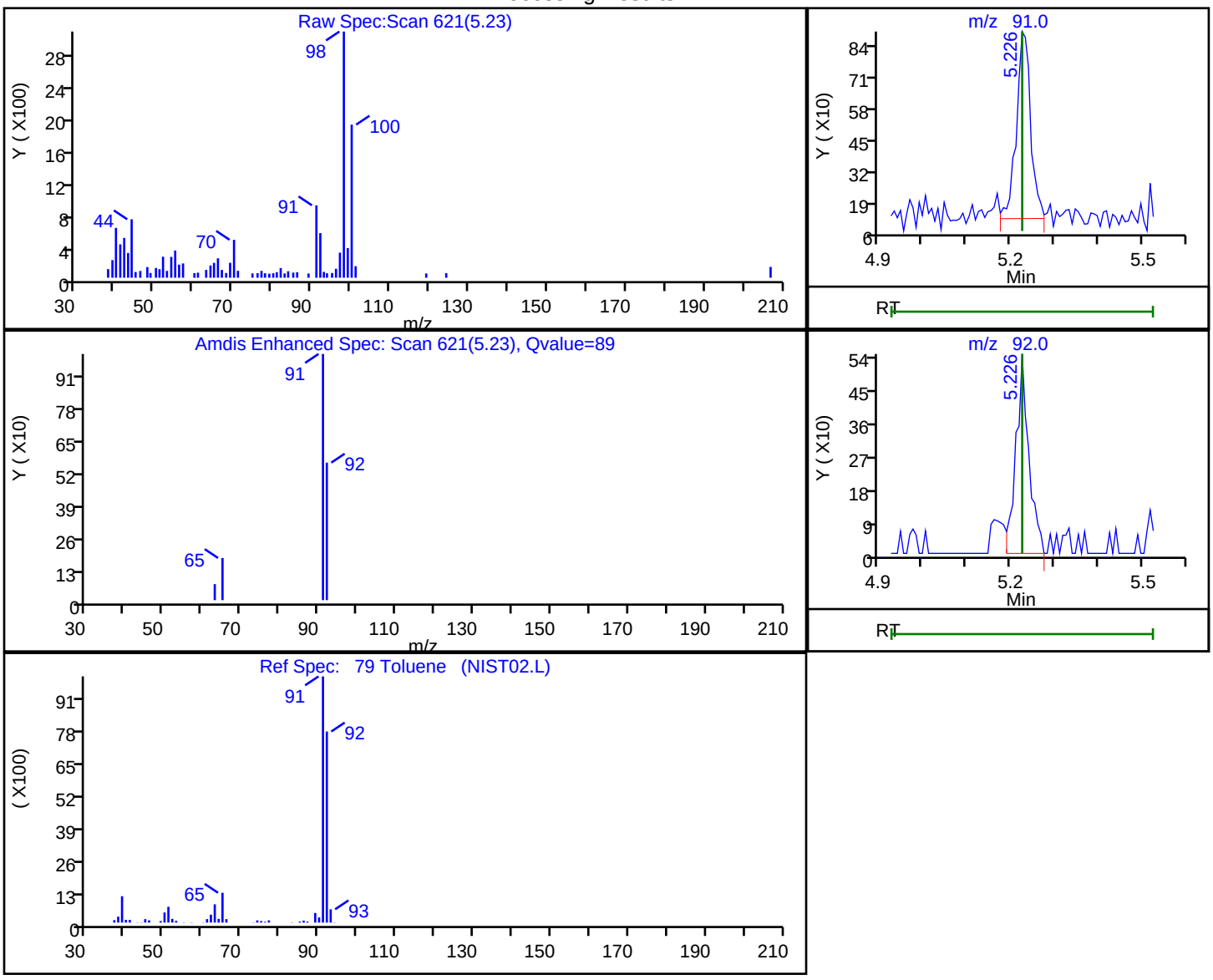
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 79 Toluene, CAS: 108-88-3

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.23 | 91.00 | 1774 | 0.167943 |
| 5.23 | 92.00 | 1130 | |

Reviewer: boykink, 05-Oct-2018 19:08:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

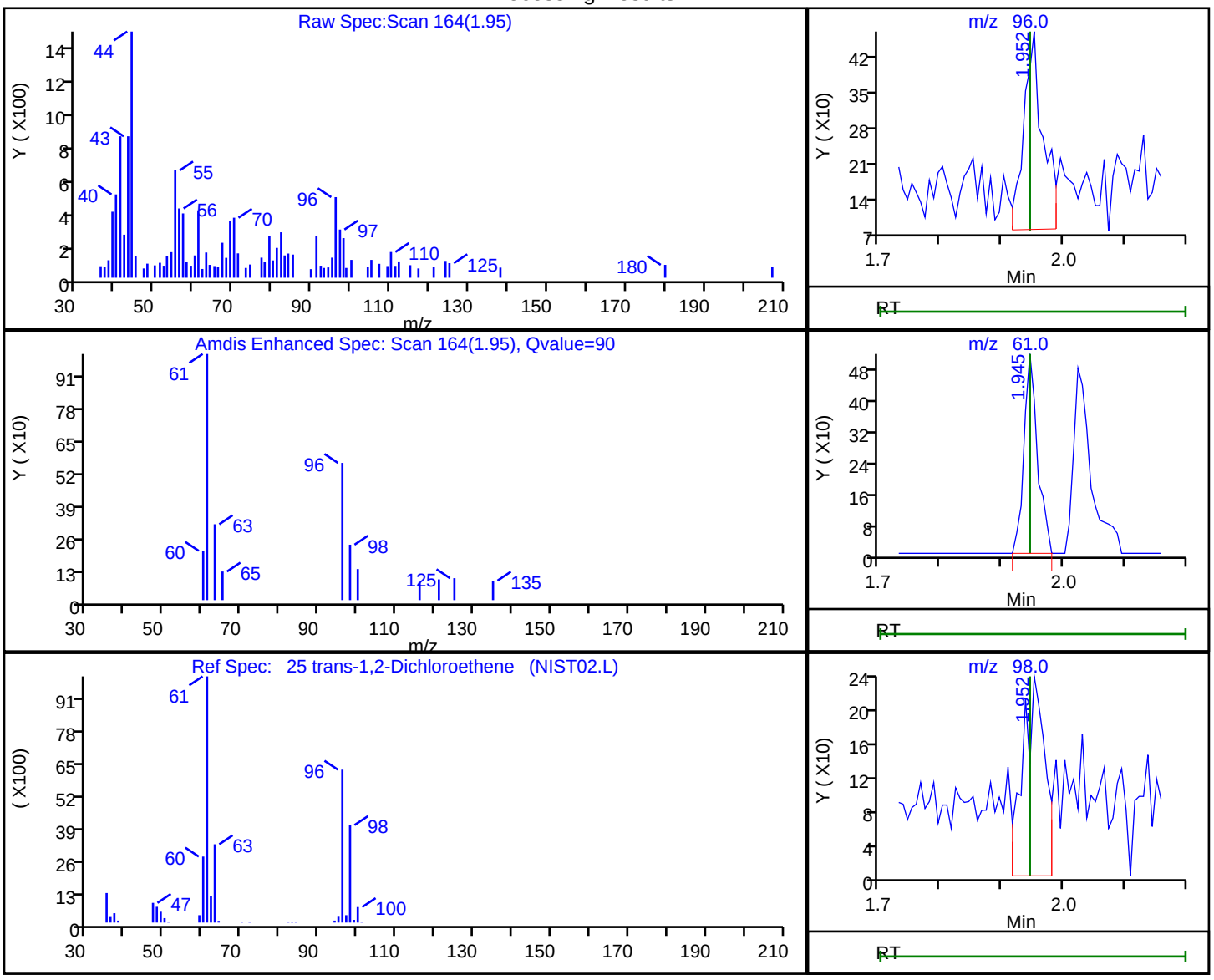
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 25 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.95 | 96.00 | 855 | 0.362091 |
| 1.94 | 61.00 | 790 | |
| 1.95 | 98.00 | 590 | |

Reviewer: boykink, 05-Oct-2018 19:07:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

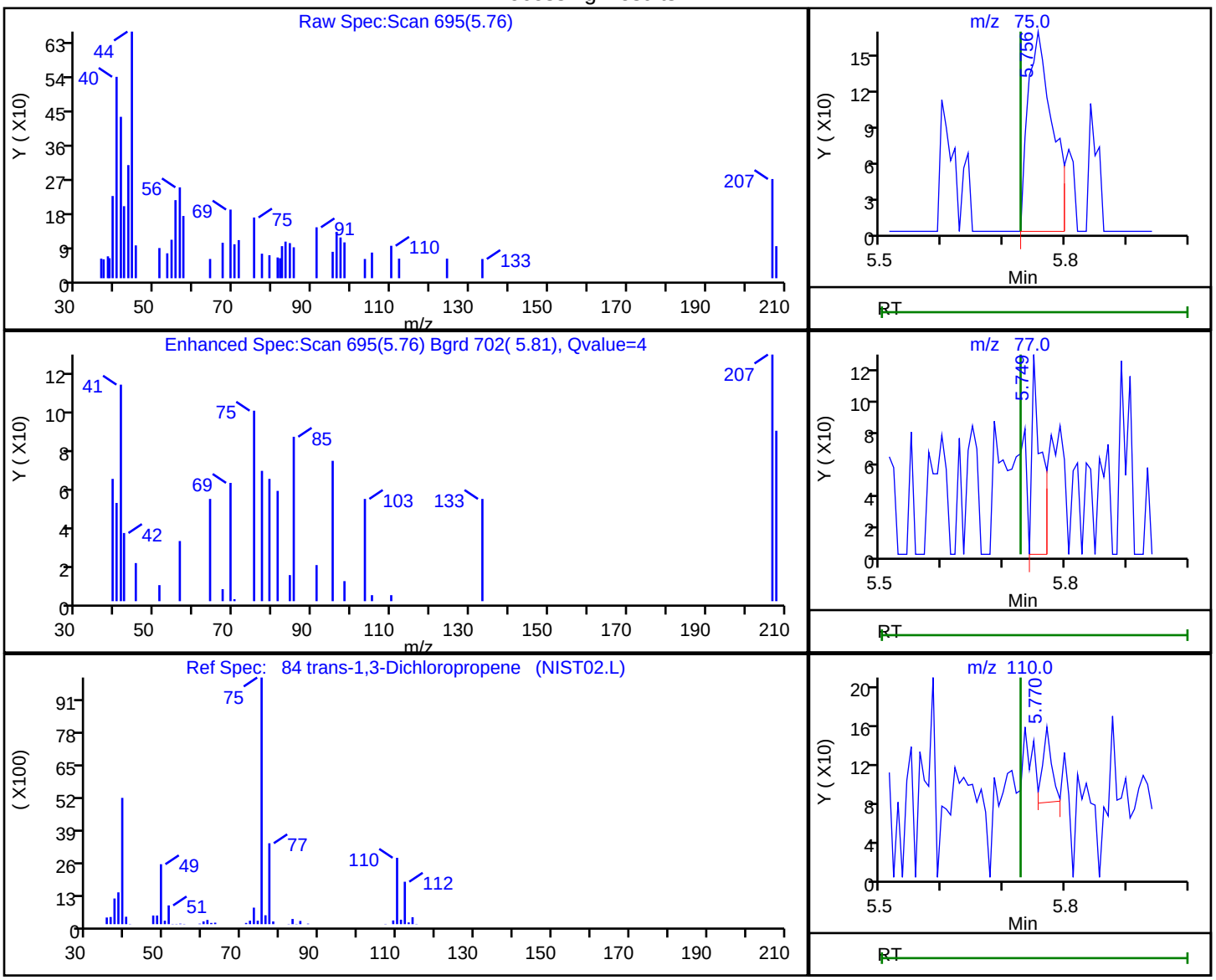
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 84 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 5.76 | 75.00 | 444 | 0.160622 |
| 5.75 | 77.00 | 135 | |
| 5.77 | 110.00 | 78 | |

Reviewer: boykink, 05-Oct-2018 19:08:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

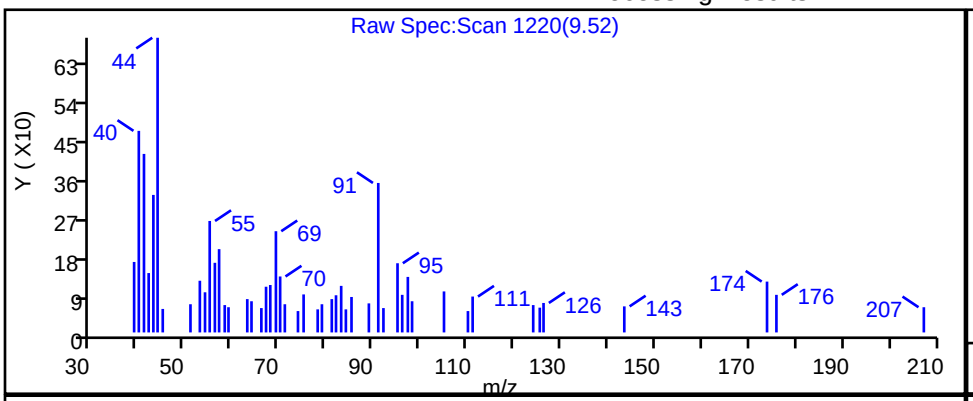
User Disabled Compound Report

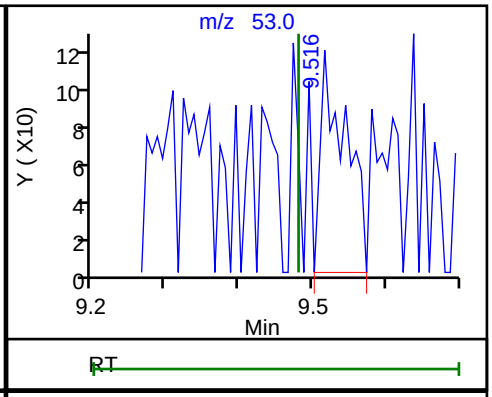
TestAmerica Edison

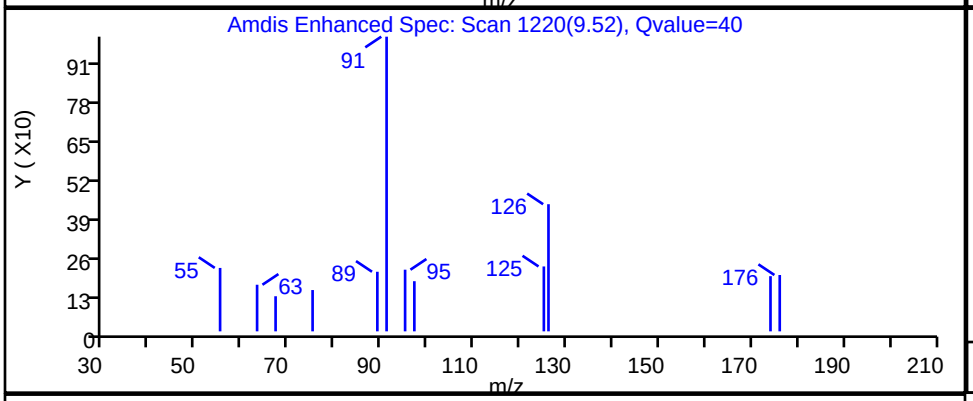
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

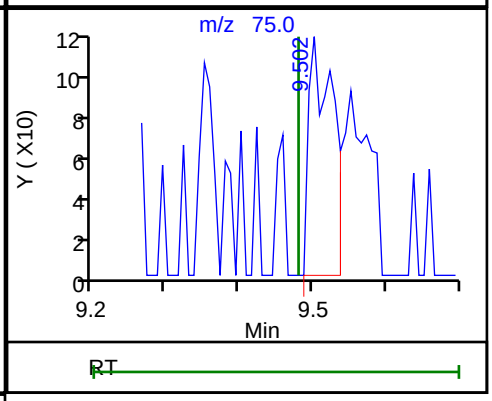
## 111 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

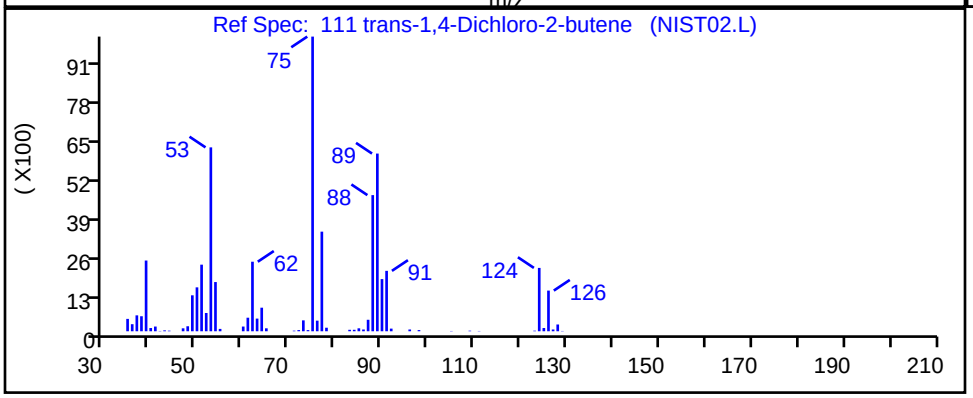
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 9.52 | 53.00 | 291 | 0.324209 |
| 9.50 | 75.00 | 271 | |

Reviewer: boykink, 05-Oct-2018 19:08:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

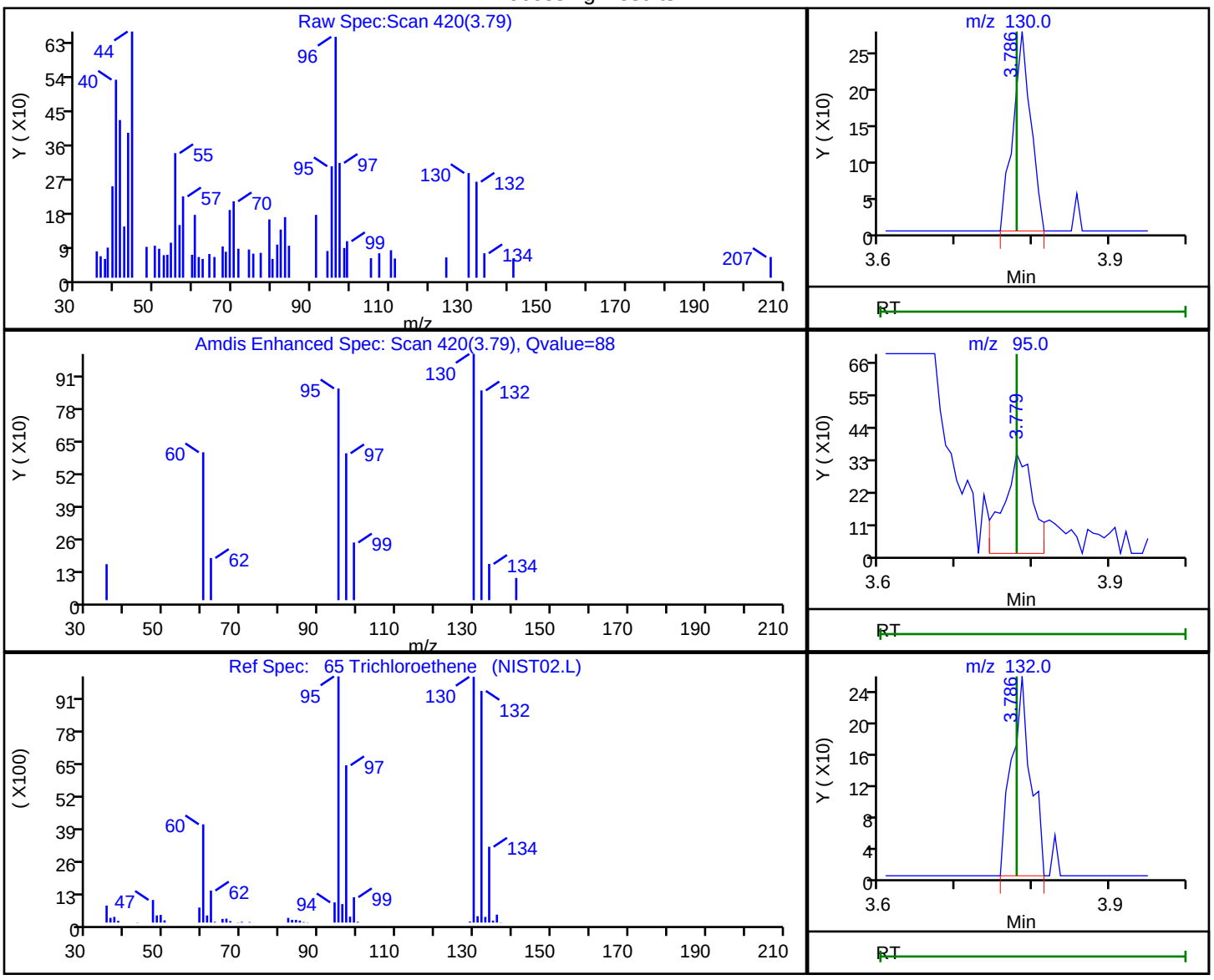
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 65 Trichloroethene, CAS: 79-01-6

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 3.79 | 130.00 | 447 | 0.179494 |
| 3.78 | 95.00 | 921 | |
| 3.79 | 132.00 | 443 | |

Reviewer: boykink, 05-Oct-2018 19:08:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

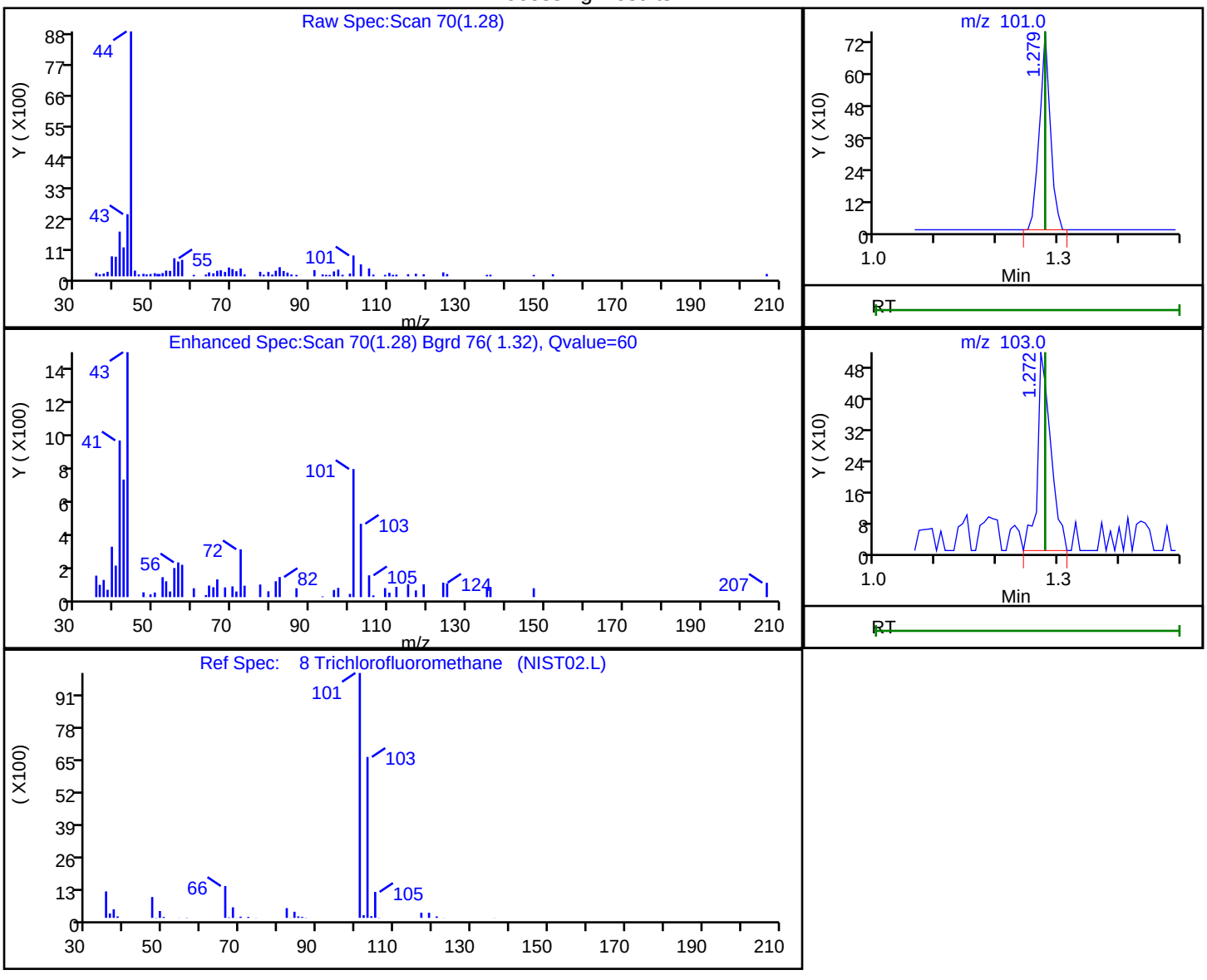
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 8 Trichlorofluoromethane, CAS: 75-69-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.28 | 101.00 | 928 | 0.250000 |
| 1.27 | 103.00 | 775 | |

Reviewer: boykink, 05-Oct-2018 17:37:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

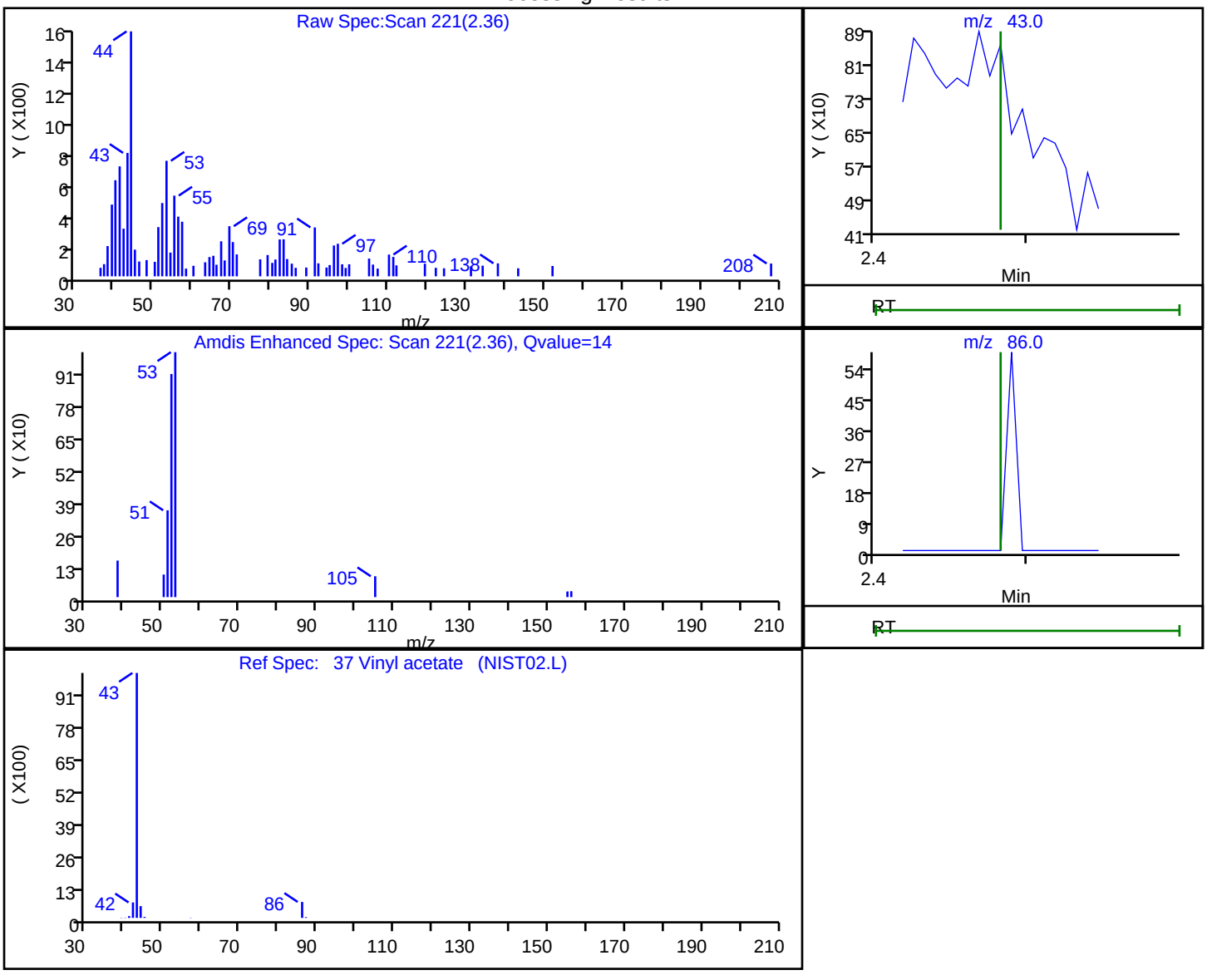
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 37 Vinyl acetate, CAS: 108-05-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 2.36 | 43.00 | 113 | 0.030146 |
| 2.35 | 86.00 | 50 | |

Reviewer: boykink, 05-Oct-2018 19:07:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

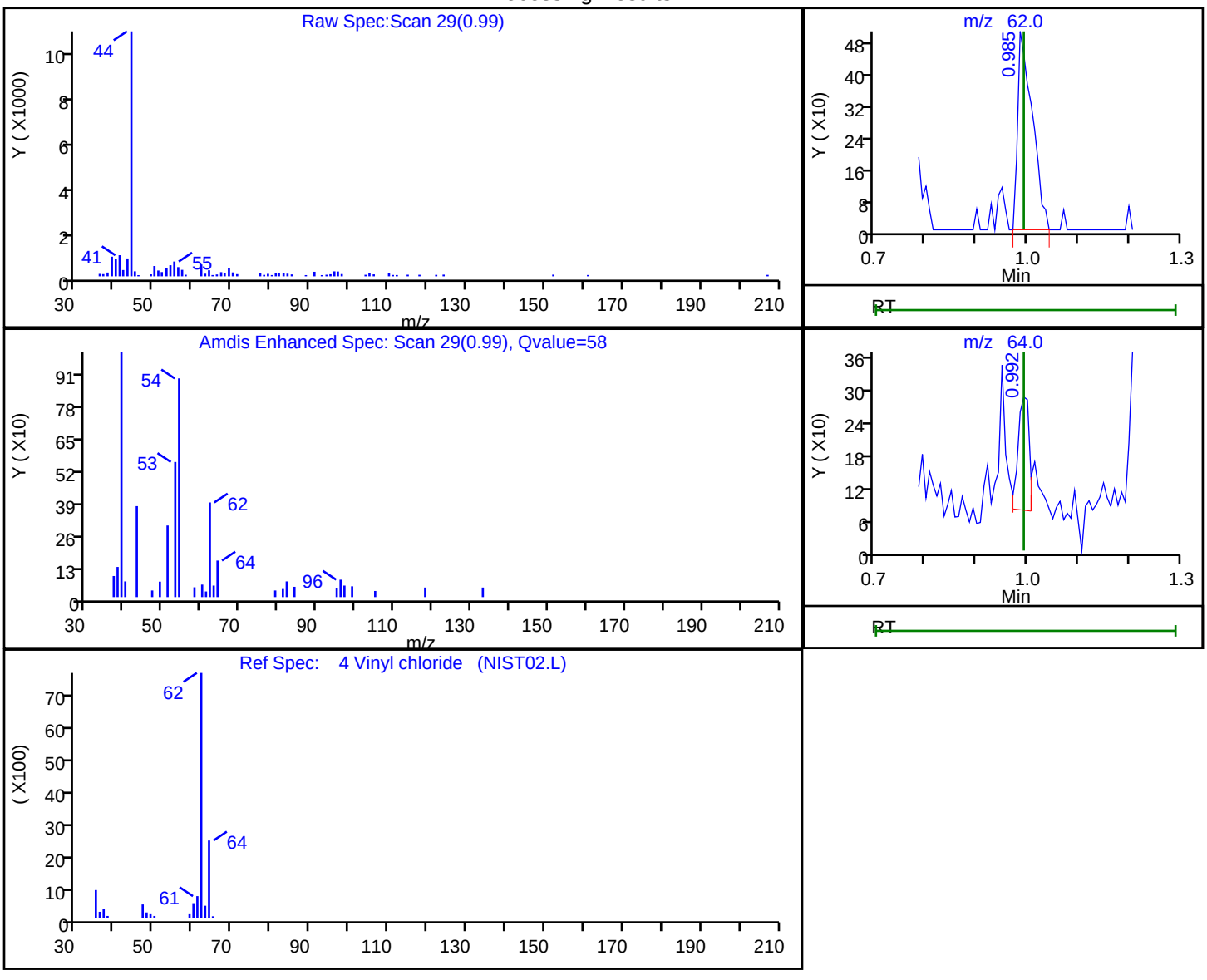
User Disabled Compound Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51403.D
Injection Date: 05-Oct-2018 18:07:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 4 Vinyl chloride, CAS: 75-01-4

Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 0.99 | 62.00 | 1008 | 0.250000 |
| 0.99 | 64.00 | 325 | |

Reviewer: boykink, 05-Oct-2018 17:37:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Oct-2018 18:34:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD05
Misc. Info.: 460-0079797-003
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:04:46 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: boykink Date: 05-Oct-2018 18:31:12

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 1 | 482 | 0.5000 | 0.5783 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 28 | 1269 | 0.5000 | 0.5674 | |
| 3 Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 26 | 1187 | 0.5000 | 0.5389 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 93 | 918 | 0.5000 | 0.4672 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 68 | 1031 | 0.5000 | 0.4415 | |
| 6 Bromomethane | 94 | 1.157 | 1.157 | 0.000 | 91 | 1017 | 0.5000 | 0.5175 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 93 | 1201 | 0.5000 | 0.5452 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 62 | 1340 | 0.5000 | 0.4429 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 96 | 450 | 1.00 | 1.02 | |
| 10 Dichlorofluoromethane | 67 | 1.308 | 1.315 | -0.007 | 94 | 2003 | 0.5000 | 0.4758 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 93 | 1751 | 0.5000 | 0.6111 | a |
| 12 Ethyl ether | 59 | 1.437 | 1.436 | 0.001 | 56 | 947 | 0.5000 | 0.5070 | |
| 13 Ethanol | 46 | 1.522 | 1.515 | 0.007 | 64 | 212 | 20.0 | 27.3 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 78 | 1660 | 0.5000 | 0.6100 | a |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 94 | 1172 | 0.5000 | 0.5909 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 4131 | 0.5000 | 0.5867 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.565 | -0.007 | 35 | 919 | 0.5000 | 0.5203 | |
| 18 Iodomethane | 142 | 1.616 | 1.623 | -0.007 | 98 | 1423 | 0.5000 | 0.4474 | |
| 19 Cyclopentene | 67 | 1.702 | 1.694 | 0.008 | 93 | 2718 | 0.5000 | 0.5449 | |
| 20 Acrolein | 56 | 1.730 | 1.716 | 0.014 | 35 | 586 | 2.00 | 2.17 | |
| 21 3-Chloro-1-propene | 76 | 1.795 | 1.794 | 0.001 | 88 | 734 | 0.5000 | 0.5412 | |
| 22 Isopropyl alcohol | 45 | 1.809 | 1.816 | -0.007 | 96 | 814 | 5.00 | 8.26 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 91 | 1463 | 0.5000 | 0.5672 | |
| 24 Acetone | 43 | 1.881 | 1.880 | 0.001 | 84 | 2400 | 2.50 | 2.51 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 1136 | 0.5000 | 0.4939 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 55 | 1212 | 1.00 | 0.9816 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 51 | 251 | 0.5000 | 0.5519 | |
| 28 Methyl tert-butyl ether | 73 | 2.010 | 2.009 | 0.001 | 90 | 3156 | 0.5000 | 0.4730 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 137680 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 90 | 1298 | 5.00 | 5.02 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.160 | 2.153 | 0.007 | 87 | 1331 | 5.00 | 6.50 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 95 | 3786 | 0.5000 | 0.4963 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.303 | -0.007 | 88 | 949 | 0.5000 | 0.4724 | |
| 34 1,1-Dichloroethane | 63 | 2.318 | 2.310 | 0.008 | 95 | 2062 | 0.5000 | 0.4812 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 97 | 3131 | 5.00 | 4.05 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 86 | 3494 | 0.5000 | 0.4825 | |
| 37 Vinyl acetate | 43 | 2.489 | 2.482 | 0.007 | 98 | 2964 | 1.00 | 0.7147 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.668 | 0.001 | 94 | 1336 | 0.5000 | 0.5249 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 93 | 1916 | 0.5000 | 0.5764 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.804 | 0.001 | 87 | 618 | 0.5000 | 0.5286 | |
| 40 Cyclohexane | 56 | 2.797 | 2.804 | -0.007 | 93 | 1715 | 0.5000 | 0.5177 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 90 | 2063 | 0.5000 | 0.5108 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 91 | 1353 | 0.5000 | 0.5041 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 32 | 213 | 1.00 | 0.8935 | |
| 45 Methyl acrylate | 55 | 2.977 | 2.969 | 0.008 | 58 | 1020 | 0.5000 | 0.5631 | |
| 46 Tetrahydrofuran | 42 | 2.977 | 2.976 | 0.001 | 50 | 766 | 1.00 | 1.05 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 82375 | 50.0 | 49.0 | |
| 48 1,1,1-Trichloroethane | 97 | 2.998 | 3.005 | -0.007 | 35 | 1868 | 0.5000 | 0.5381 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 162372 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.098 | 3.091 | 0.007 | 92 | 563 | 2.50 | 2.33 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 83 | 2038 | 0.5000 | 0.6206 | a |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 3706 | 0.5000 | 0.6333 | |
| 53 n-Heptane | 57 | 3.299 | 3.284 | 0.015 | 51 | 786 | 0.5000 | 0.5653 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 97 | 4808 | 0.5000 | 0.5151 | |
| 55 Propionitrile | 54 | 3.313 | 3.306 | 0.007 | 91 | 1067 | 5.00 | 4.39 | |
| 56 Methacrylonitrile | 67 | 3.335 | 3.327 | 0.008 | 91 | 3622 | 5.00 | 4.37 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 38 | 3261 | 0.5000 | 0.4902 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.392 | 0.007 | 0 | 104525 | 50.0 | 48.4 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 92 | 2020 | 0.5000 | 0.5920 | |
| 60 Isobutyl alcohol | 43 | 3.521 | 3.528 | -0.007 | 41 | 1047 | 12.5 | 15.4 | a |
| 61 t-Amyl alcohol | 59 | 3.593 | 3.592 | 0.001 | 44 | 960 | 5.00 | 5.38 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.635 | 0.001 | 98 | 365058 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.707 | 3.700 | 0.007 | 94 | 2282 | 0.5000 | 0.5711 | |
| 64 Methylcyclohexane | 83 | 3.765 | 3.764 | 0.000 | 93 | 1892 | 0.5000 | 0.5317 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 1208 | 0.5000 | 0.4998 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.030 | 4.029 | 0.001 | 89 | 2848 | 0.5000 | 0.4827 | |
| 67 Dibromomethane | 93 | 4.158 | 4.151 | 0.007 | 84 | 716 | 0.5000 | 0.5019 | |
| 68 n-Butanol | 56 | 4.209 | 4.158 | 0.051 | 22 | 582 | 12.5 | 14.6 | M |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 89 | 1239 | 0.5000 | 0.5177 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 93 | 1458 | 0.5000 | 0.4595 | |
| 71 Ethyl acrylate | 55 | 4.330 | 4.323 | 0.007 | 54 | 1383 | 0.5000 | 0.5600 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 13741 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.531 | 4.524 | 0.007 | 61 | 466 | 1.00 | 0.8536 | |
| 74 1,4-Dioxane | 88 | 4.545 | 4.538 | 0.007 | 27 | 362 | 25.0 | 20.1 | |
| 75 n-Propyl acetate | 43 | 4.689 | 4.681 | 0.008 | 96 | 1109 | 0.5000 | 0.4287 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 344987 | 50.0 | 50.3 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.961 | 4.939 | 0.022 | 84 | 586 | 0.5000 | 0.4299 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.982 | 4.968 | 0.014 | 96 | 1737 | 0.5000 | 0.4745 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 91 | 5410 | 0.5000 | 0.5273 | |
| 80 Epichlorohydrin | 57 | 5.262 | 5.254 | 0.008 | 98 | 2995 | 10.0 | 13.7 | |
| 81 2-Nitropropane | 41 | 5.484 | 5.476 | 0.008 | 76 | 1239 | 1.00 | 2.05 | |
| 82 Tetrachloroethene | 166 | 5.656 | 5.655 | 0.001 | 92 | 1410 | 0.5000 | 0.5905 | |

| 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 | 5.699 | 5.691 | 0.008 | 97 | 4406 | 2.50 | 2.38 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.749 | 5.727 | 0.022 | 92 | 1267 | 0.5000 | 0.3993 | |
| 85 1,1,2-Trichloroethane | 83 | 5.906 | 5.899 | 0.007 | 84 | 937 | 0.5000 | 0.5513 | |
| 86 Ethyl methacrylate | 69 | 5.999 | 5.978 | 0.021 | 92 | 1228 | 0.5000 | 0.4592 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.099 | 0.001 | 93 | 958 | 0.5000 | 0.4616 | |
| 88 1,3-Dichloropropane | 76 | 6.221 | 6.214 | 0.007 | 93 | 1451 | 0.5000 | 0.4412 | |
| 89 Ethylene Dibromide | 107 | 6.358 | 6.350 | 0.008 | 88 | 841 | 0.5000 | 0.4538 | |
| 90 n-Butyl acetate | 43 | 6.709 | 6.694 | 0.015 | 48 | 1322 | 0.5000 | 0.4657 | |
| 91 2-Hexanone | 43 | 6.773 | 6.758 | 0.015 | 97 | 2636 | 2.50 | 2.15 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 301906 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.060 | 7.059 | 0.001 | 89 | 3493 | 0.5000 | 0.5425 | |
| 94 Ethylbenzene | 106 | 7.153 | 7.145 | 0.008 | 98 | 1879 | 0.5000 | 0.5228 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.181 | 7.167 | 0.014 | 55 | 893 | 0.5000 | 0.4215 | |
| 96 m-Xylene & p-Xylene | 106 | 7.375 | 7.360 | 0.015 | 0 | 2242 | 0.5000 | 0.5127 | |
| 97 o-Xylene | 106 | 7.955 | 7.948 | 0.007 | 95 | 2025 | 0.5000 | 0.4808 | |
| 98 Bromoform | 173 | 8.034 | 8.012 | 0.022 | 85 | 590 | 0.5000 | 0.4543 | |
| 99 Styrene | 104 | 8.062 | 8.033 | 0.029 | 90 | 2911 | 0.5000 | 0.4188 | |
| 100 n-Butyl acrylate | 73 | 8.385 | 8.363 | 0.022 | 87 | 834 | 0.5000 | 0.5445 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 95 | 5771 | 0.5000 | 0.5246 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.793 | 8.778 | 0.015 | 37 | 1531 | 0.5000 | 0.4369 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.814 | 0.000 | 89 | 104184 | 50.0 | 49.0 | |
| 104 Bromobenzene | 156 | 8.922 | 8.915 | 0.007 | 96 | 1353 | 0.5000 | 0.5077 | |
| 105 N-Propylbenzene | 91 | 9.079 | 9.065 | 0.014 | 98 | 6267 | 0.5000 | 0.4967 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.216 | 9.215 | 0.001 | 94 | 1528 | 0.5000 | 0.5484 | |
| 107 2-Chlorotoluene | 91 | 9.251 | 9.244 | 0.007 | 96 | 4448 | 0.5000 | 0.4998 | |
| 108 4-Ethyltoluene | 105 | 9.273 | 9.258 | 0.015 | 97 | 5747 | 0.5000 | 0.5280 | |
| 109 1,2,3-Trichloropropane | 110 | 9.366 | 9.351 | 0.015 | 28 | 387 | 0.5000 | 0.5578 | a |
| 110 1,3,5-Trimethylbenzene | 105 | 9.423 | 9.416 | 0.007 | 93 | 5370 | 0.5000 | 0.5634 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.524 | 9.480 | 0.044 | 41 | 568 | 0.5000 | 0.4811 | |
| 112 4-Chlorotoluene | 91 | 9.531 | 9.509 | 0.022 | 97 | 3870 | 0.5000 | 0.4865 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 92 | 3968 | 0.5000 | 0.5188 | |
| 115 Butyl Methacrylate | 87 | 10.025 | 10.010 | 0.015 | 54 | 1570 | 0.5000 | 0.4831 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.025 | 10.018 | 0.007 | 96 | 4983 | 0.5000 | 0.5123 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 6733 | 0.5000 | 0.5753 | |
| 117 1,3-Dichlorobenzene | 146 | 10.448 | 10.440 | 0.008 | 68 | 2573 | 0.5000 | 0.4976 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 5377 | 0.5000 | 0.5348 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 165302 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.598 | 10.591 | 0.007 | 77 | 3131 | 0.5000 | 0.5690 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 97 | 5382 | 0.5000 | 0.5442 | |
| 122 2,3-Dihydroindene | 117 | 10.885 | 10.877 | 0.008 | 93 | 5257 | 0.5000 | 0.5384 | |
| 123 Benzyl chloride | 126 | 11.071 | 11.049 | 0.022 | 82 | 450 | 0.5000 | 0.5269 | |
| 124 p-Diethylbenzene | 119 | 11.078 | 11.063 | 0.015 | 88 | 2917 | 0.5000 | 0.5554 | |
| 125 n-Butylbenzene | 91 | 11.150 | 11.149 | 0.001 | 97 | 4839 | 0.5000 | 0.5288 | |
| 126 1,2-Dichlorobenzene | 146 | 11.264 | 11.250 | 0.014 | 92 | 2363 | 0.5000 | 0.4857 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 95 | 4725 | 0.5000 | 0.5046 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.310 | 0.007 | 18 | 192 | 0.5000 | 0.4502 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.374 | 12.360 | 0.014 | 97 | 2084 | 0.5000 | 0.5474 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.048 | 13.033 | 0.015 | 90 | 1895 | 0.5000 | 0.5520 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 81 | 804 | 0.5000 | 0.5288 | |
| 132 Naphthalene | 128 | 13.341 | 13.327 | 0.014 | 98 | 3745 | 0.5000 | 0.5460 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.506 | 13.499 | 0.007 | 95 | 1596 | 0.5000 | 0.5464 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 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 |
|---|---|---|---|---|---|---|---|---|---|
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 1.00 | 0.8737 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 1.00 | 0.99 | |
| S 137 Total BTEX | 1 | | | | 0 | | 2.50 | 2.56 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 14DIOXINTER_00088 | Amount Added: | 15.00 | Units: uL | |
| GAS Hi_00274 | Amount Added: | 0.50 | Units: uL | |
| MIX I Hi_00098 | Amount Added: | 0.50 | Units: uL | |
| MIX 2 Hi_00075 | Amount Added: | 0.50 | Units: uL | |
| Ethanol mix_00020 | Amount Added: | 0.50 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 2.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

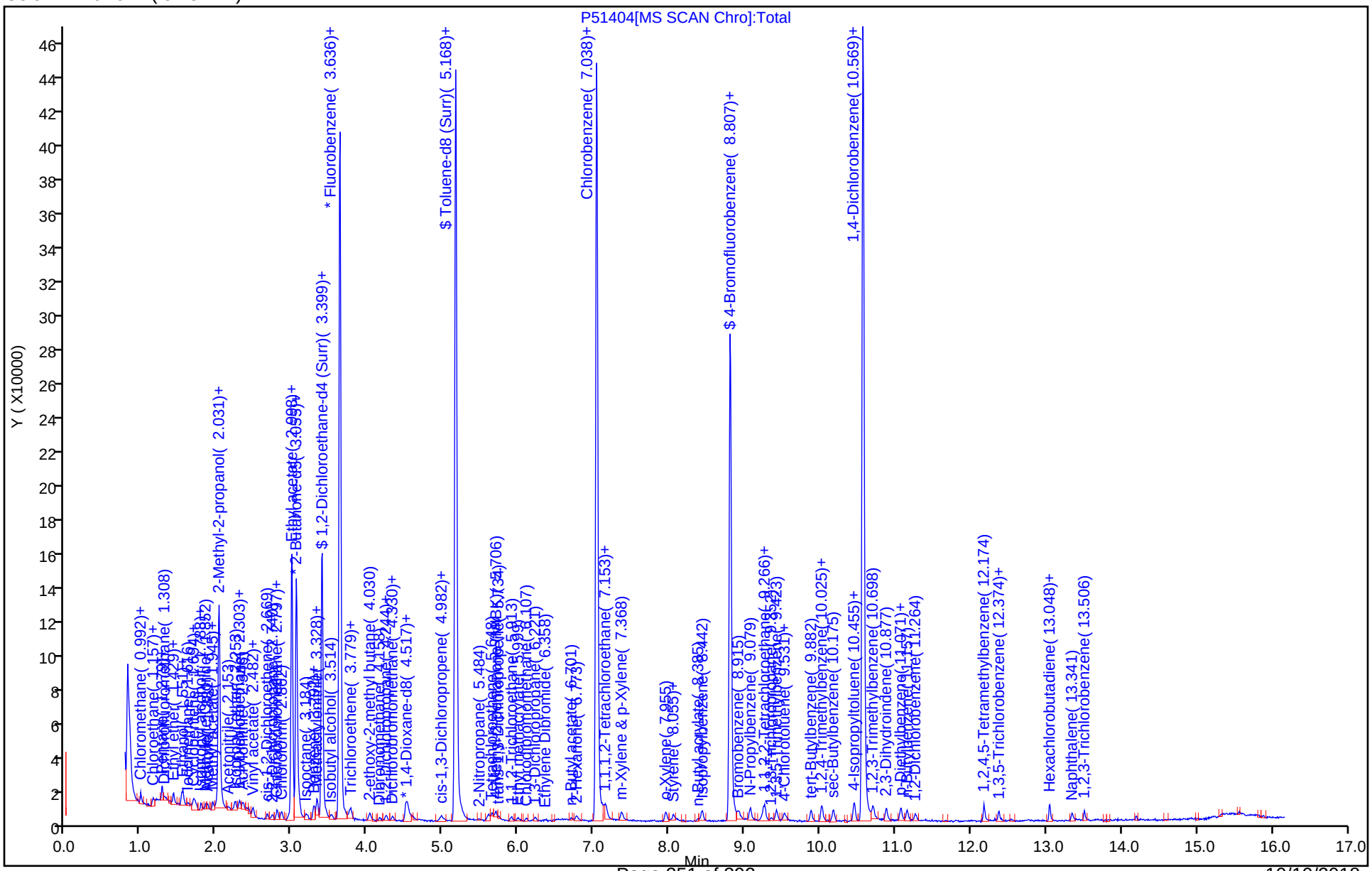
Report Date: 08-Oct-2018 15:04:49 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Oct-2018 18:34:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | STD05 | | | Worklist Smp#: | 3 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 2 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

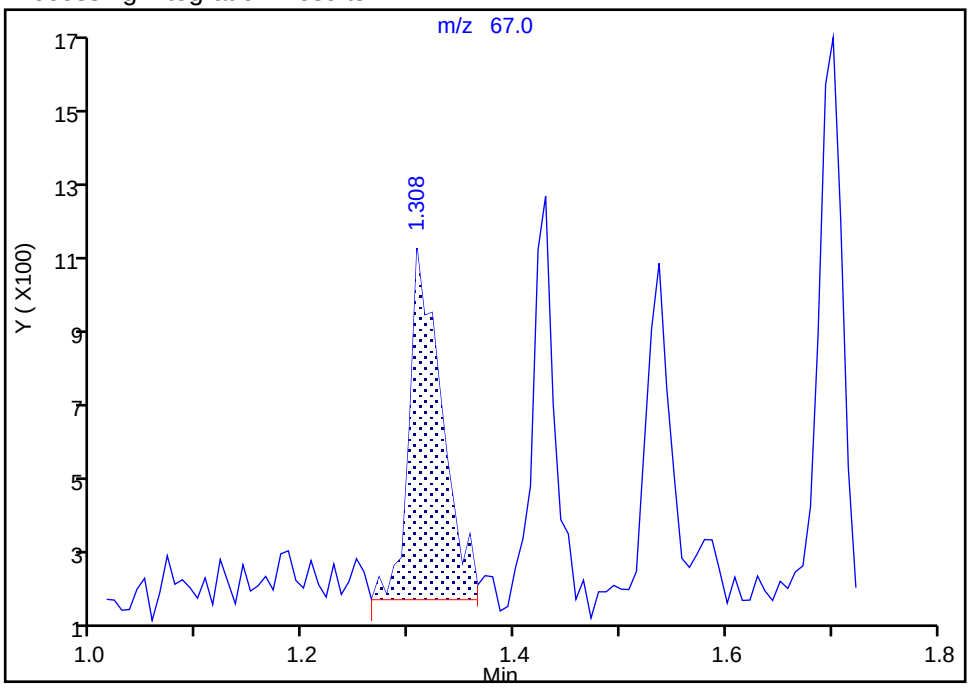
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D
Injection Date: 05-Oct-2018 18:34:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

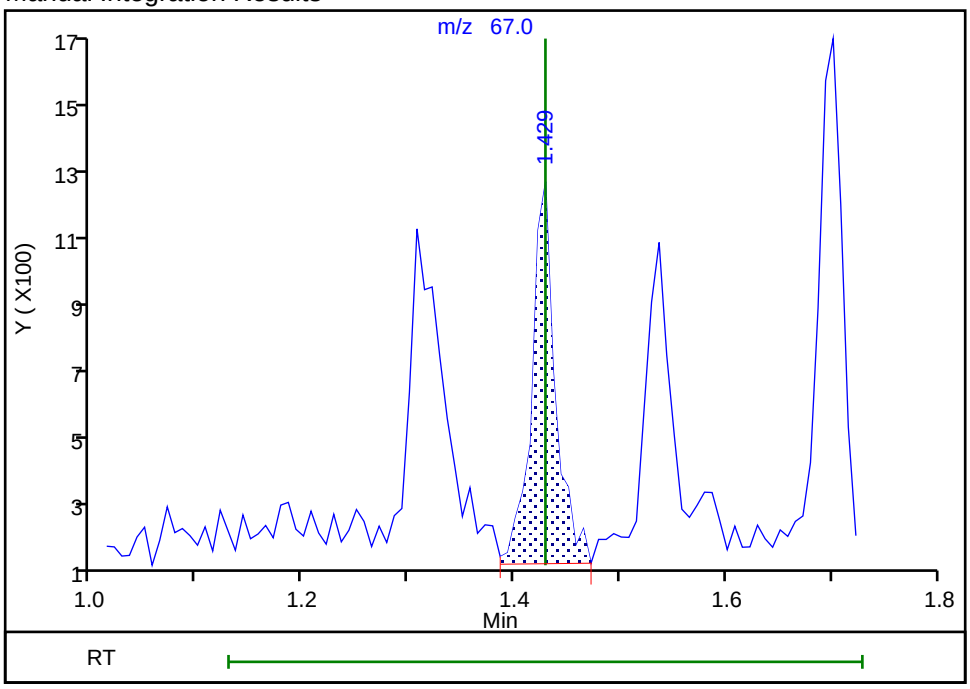
Processing Integration Results

RT: 1.31
Area: 2003
Amount: 0.684422
Amount Units: ug/l




Manual Integration Results

RT: 1.43
Area: 1751
Amount: 0.611050
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:39:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

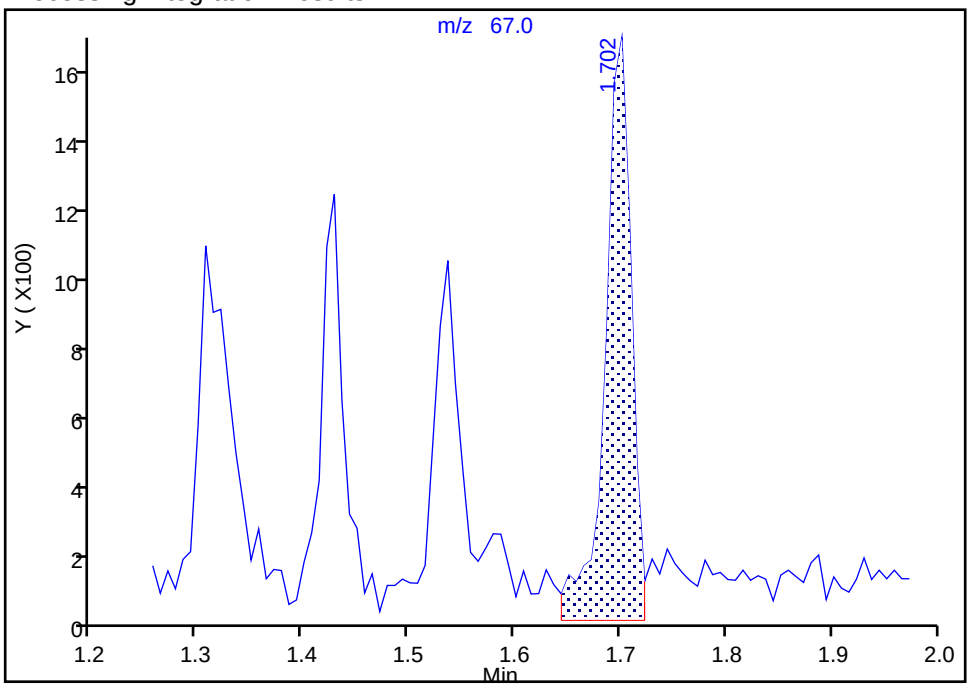
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D
Injection Date: 05-Oct-2018 18:34:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 15 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

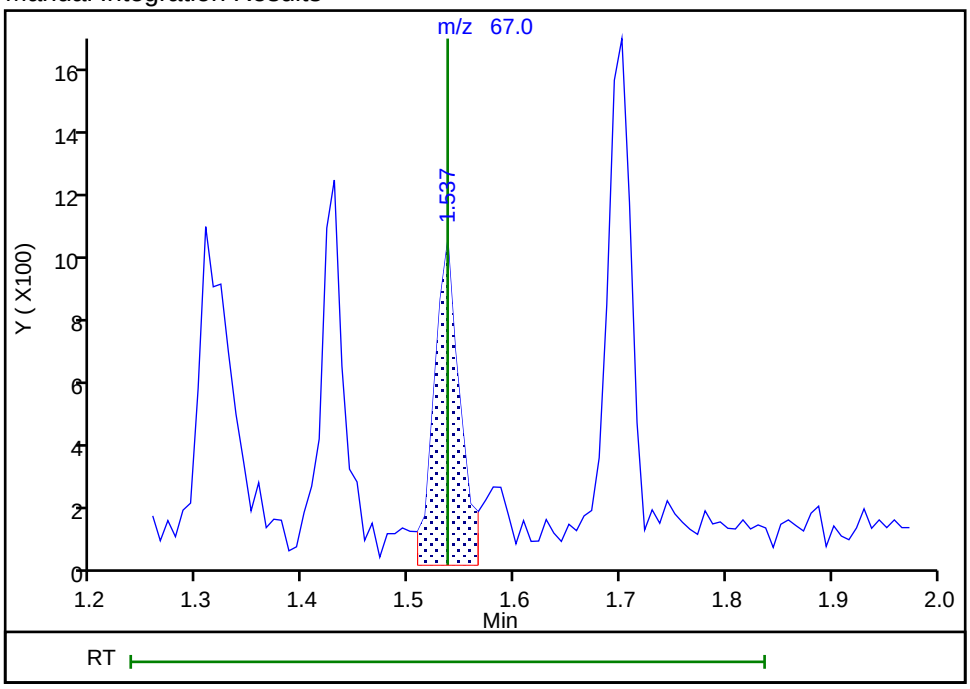
Processing Integration Results

RT: 1.70
Area: 2718
Amount: 0.741584
Amount Units: ug/l




Manual Integration Results

RT: 1.54
Area: 1660
Amount: 0.609972
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:39:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

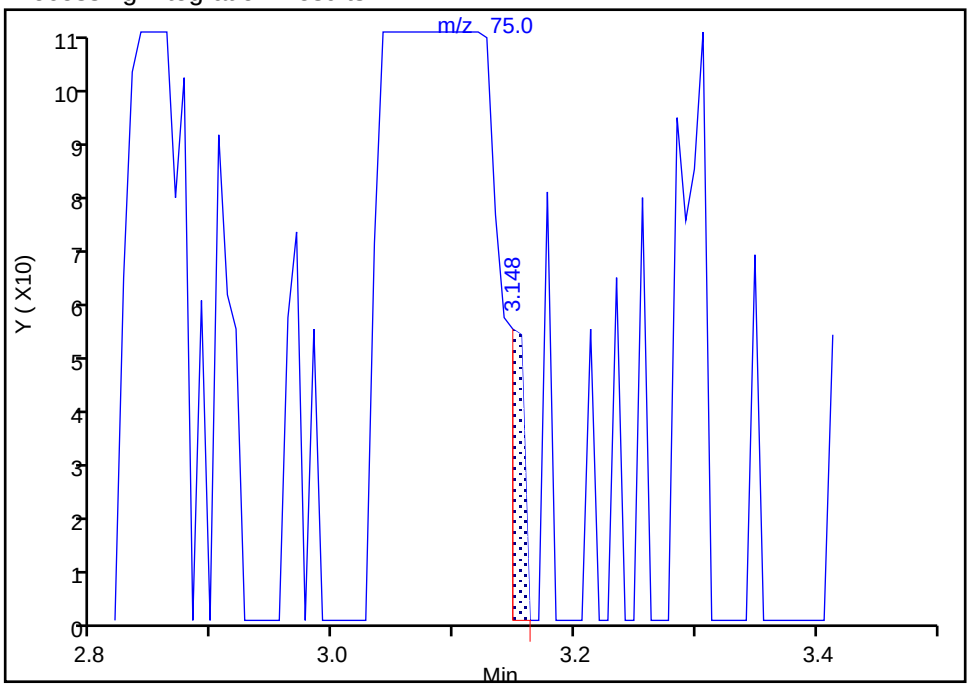
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D
Injection Date: 05-Oct-2018 18:34:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 51 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

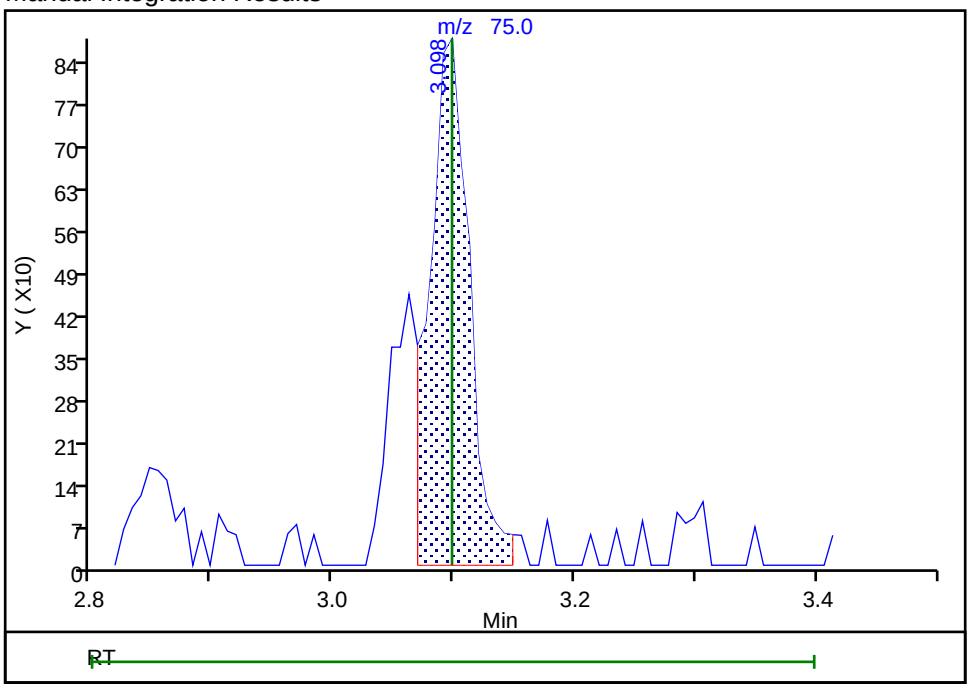
Processing Integration Results

RT: 3.15
Area: 43
Amount: 0.016948
Amount Units: ug/l




Manual Integration Results

RT: 3.10
Area: 2038
Amount: 0.620583
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:33:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

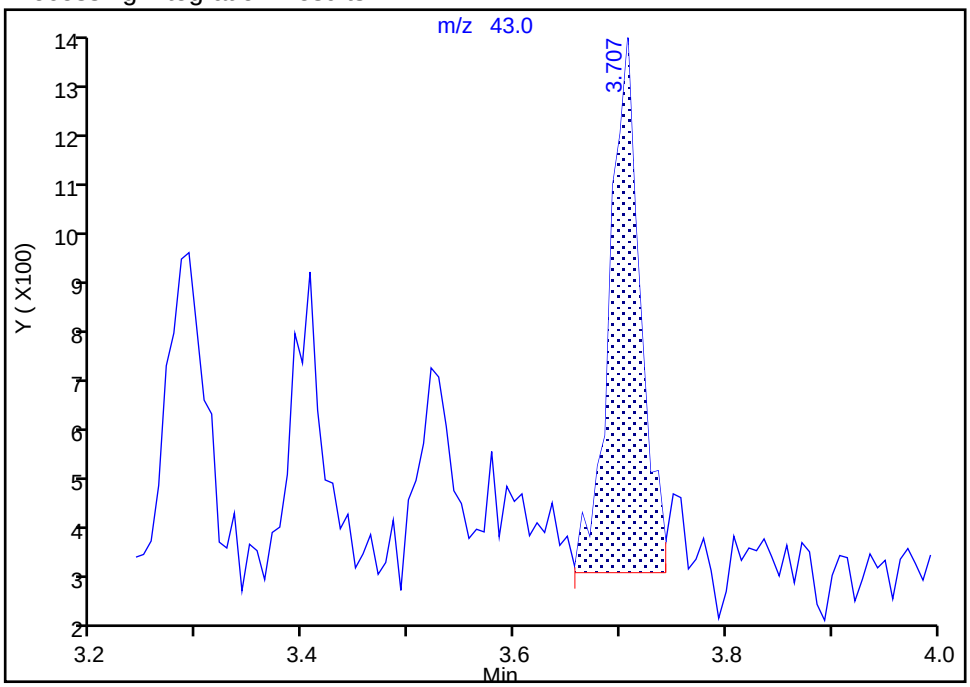
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D
Injection Date: 05-Oct-2018 18:34:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 60 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

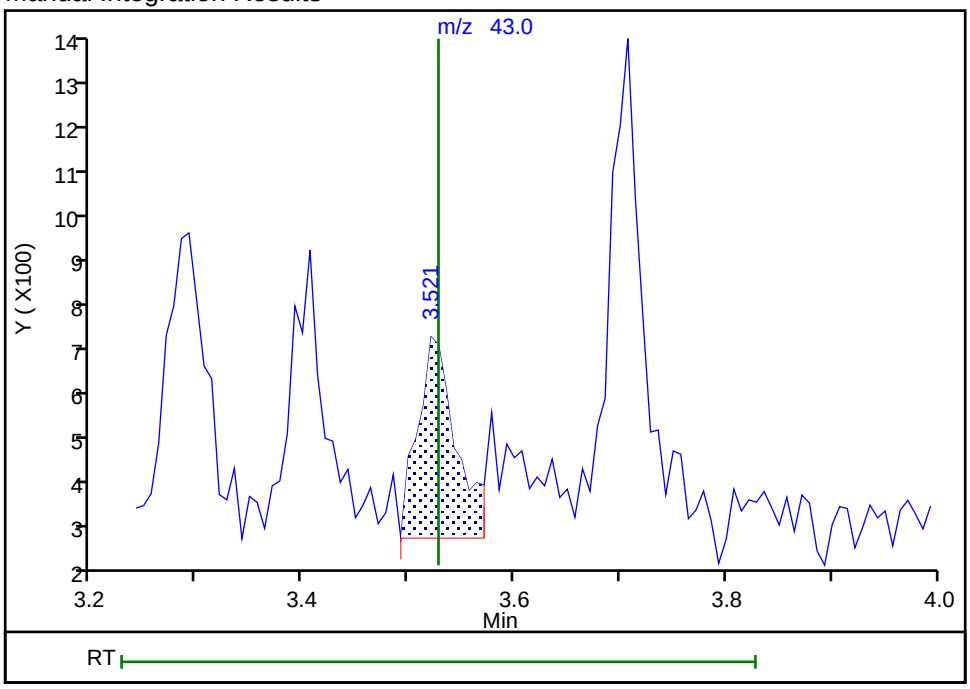
Processing Integration Results

RT: 3.71
Area: 2020
Amount: 29.700670
Amount Units: ug/l




Manual Integration Results

RT: 3.52
Area: 1047
Amount: 15.376990
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:34:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

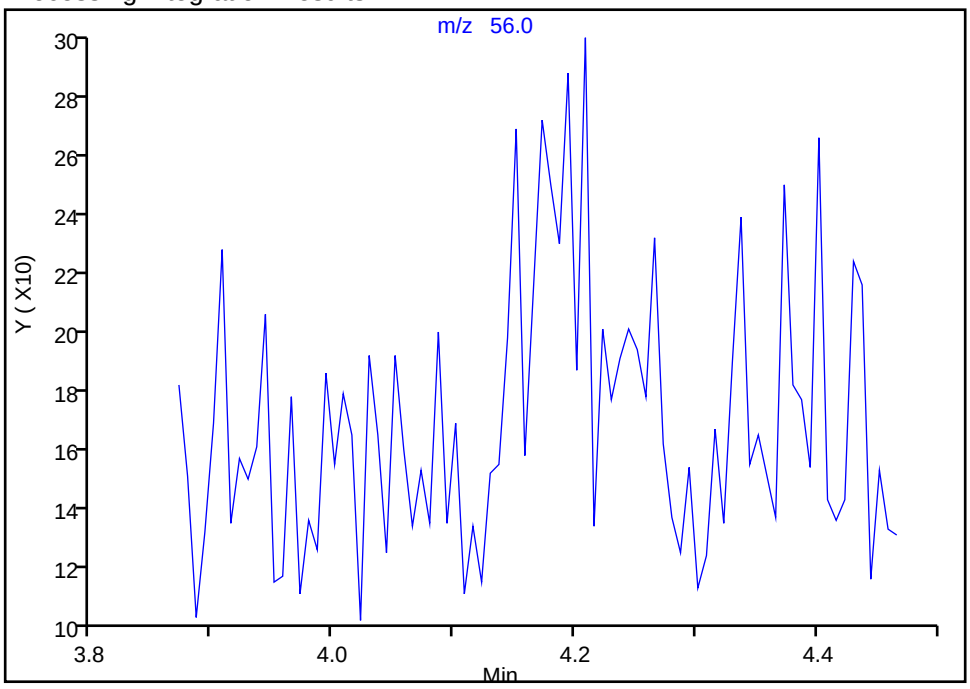
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D
Injection Date: 05-Oct-2018 18:34:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 68 n-Butanol, CAS: 71-36-3

Signal: 1

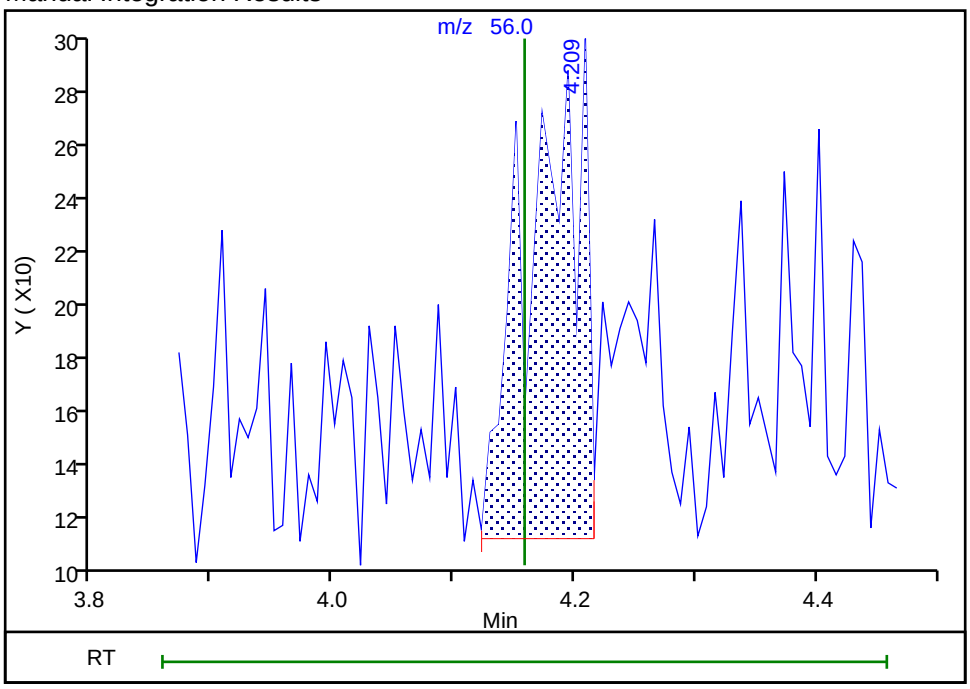
Not Detected
Expected RT: 4.16

Processing Integration Results




Manual Integration Results

RT: 4.21
Area: 582
Amount: 14.551646
Amount Units: ug/l




Reviewer: pakanatir, 07-Oct-2018 18:41:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

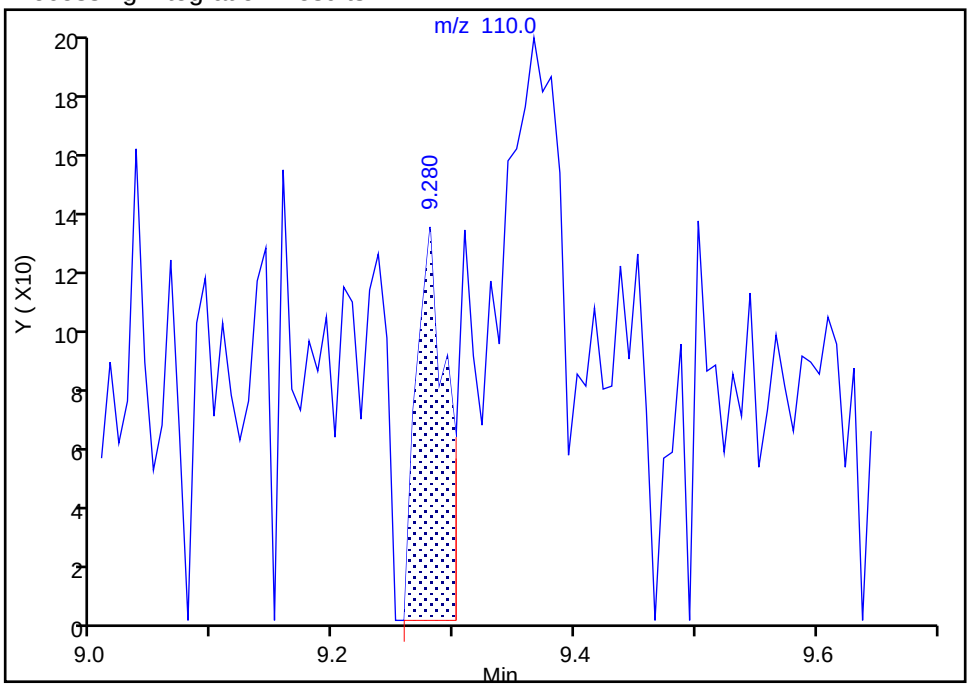
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51404.D
Injection Date: 05-Oct-2018 18:34:30 Instrument ID: CVOAMS13
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 109 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

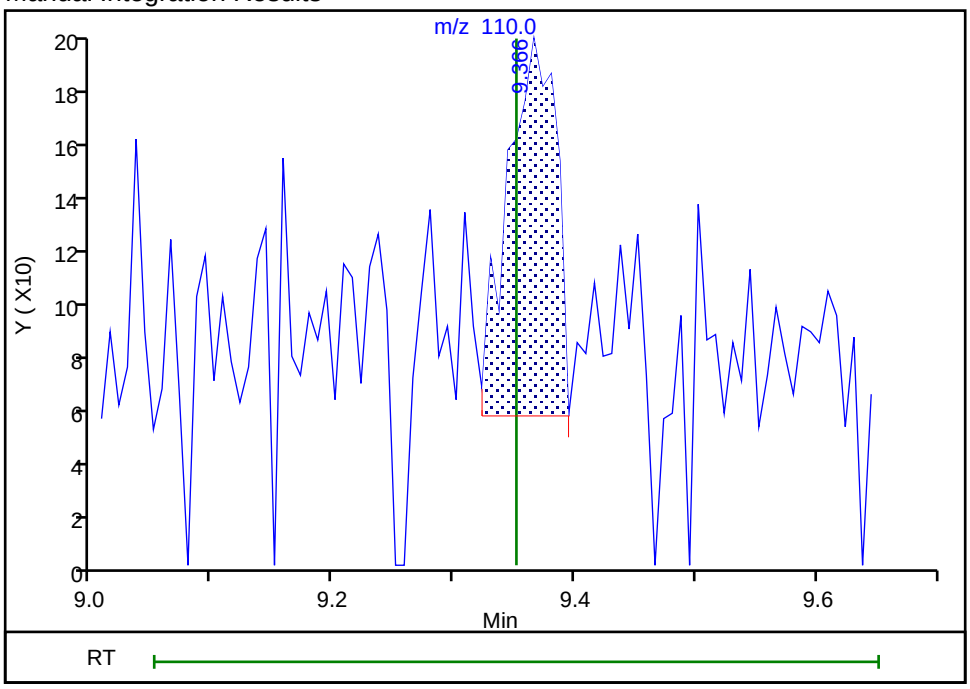
Processing Integration Results

RT: 9.28
Area: 227
Amount: 0.350295
Amount Units: ug/l




Manual Integration Results

RT: 9.37
Area: 387
Amount: 0.557847
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:34:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51405.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Oct-2018 19:00:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0079797-004
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:05:06 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: boykink Date: 05-Oct-2018 19:06:27

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 84 | 950 | 1.00 | 1.15 | |
| 2 Dichlorodifluoromethane | 85 | 0.863 | 0.856 | 0.007 | 98 | 2735 | 1.00 | 1.24 | |
| 3 Chloromethane | 50 | 0.971 | 0.964 | 0.007 | 26 | 2072 | 1.00 | 0.9500 | a |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 76 | 2451 | 1.00 | 1.06 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 2076 | 1.00 | 1.07 | |
| 6 Bromomethane | 94 | 1.157 | 1.157 | 0.000 | 93 | 2084 | 1.00 | 1.05 | |
| 7 Chloroethane | 64 | 1.207 | 1.214 | -0.007 | 96 | 1677 | 1.00 | 0.8309 | |
| 9 Pentane | 72 | 1.272 | 1.279 | -0.007 | 97 | 742 | 2.00 | 1.95 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 69 | 3155 | 1.00 | 1.05 | |
| 10 Dichlorofluoromethane | 67 | 1.315 | 1.315 | 0.000 | 98 | 4220 | 1.00 | 1.01 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 96 | 2791 | 1.00 | 0.9836 | a |
| 12 Ethyl ether | 59 | 1.436 | 1.436 | 0.000 | 92 | 1809 | 1.00 | 0.9780 | |
| 13 Ethanol | 46 | 1.544 | 1.515 | 0.029 | 22 | 674 | 40.0 | 84.4 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 97 | 1738 | 1.00 | 0.8850 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 78 | 2929 | 1.00 | 1.09 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 99 | 6873 | 1.00 | 0.9858 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.565 | -0.007 | 42 | 1825 | 1.00 | 1.04 | |
| 18 Iodomethane | 142 | 1.616 | 1.623 | -0.007 | 100 | 2811 | 1.00 | 0.8926 | |
| 19 Cyclopentene | 67 | 1.701 | 1.694 | 0.007 | 96 | 5280 | 1.00 | 1.07 | |
| 20 Acrolein | 56 | 1.723 | 1.716 | 0.007 | 36 | 764 | 4.00 | 3.29 | |
| 21 3-Chloro-1-propene | 76 | 1.795 | 1.794 | 0.001 | 88 | 1395 | 1.00 | 1.04 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 96 | 1680 | 10.0 | 16.6 | |
| 23 Methylene Chloride | 84 | 1.852 | 1.859 | -0.007 | 91 | 3035 | 1.00 | 1.19 | |
| 24 Acetone | 43 | 1.873 | 1.880 | -0.007 | 85 | 3640 | 5.00 | 5.00 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.952 | 1.945 | 0.007 | 97 | 2253 | 1.00 | 0.9892 | |
| 26 Methyl acetate | 43 | 1.959 | 1.952 | 0.007 | 69 | 2593 | 2.00 | 2.12 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 82 | 410 | 1.00 | 0.9104 | |
| 28 Methyl tert-butyl ether | 73 | 2.009 | 2.009 | 0.000 | 95 | 6380 | 1.00 | 0.9656 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 141669 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 95 | 2192 | 10.0 | 9.91 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 99 | 1957 | 10.0 | 9.28 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 96 | 8207 | 1.00 | 1.09 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.303 | -0.007 | 94 | 2065 | 1.00 | 1.04 | |
| 34 1,1-Dichloroethane | 63 | 2.317 | 2.310 | 0.007 | 99 | 4185 | 1.00 | 0.9863 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 92 | 6443 | 10.0 | 9.43 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 90 | 6518 | 1.00 | 0.9090 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 7994 | 2.00 | 1.95 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.676 | 2.668 | 0.008 | 96 | 2520 | 1.00 | 1.00 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 95 | 3436 | 1.00 | 1.04 | |
| 40 Cyclohexane | 56 | 2.797 | 2.804 | -0.007 | 93 | 3606 | 1.00 | 1.10 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.804 | 0.001 | 90 | 1109 | 1.00 | 0.9579 | |
| 42 Chloroform | 83 | 2.869 | 2.862 | 0.007 | 96 | 3926 | 1.00 | 0.9816 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 58 | 2747 | 1.00 | 1.03 | |
| 44 Ethyl acetate | 70 | 2.969 | 2.962 | 0.007 | 95 | 555 | 2.00 | 2.30 | |
| 45 Methyl acrylate | 55 | 2.976 | 2.969 | 0.007 | 52 | 1875 | 1.00 | 1.05 | |
| 46 Tetrahydrofuran | 42 | 2.976 | 2.976 | 0.000 | 45 | 1336 | 2.00 | 1.81 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 83074 | 50.0 | 49.9 | |
| 48 1,1,1-Trichloroethane | 97 | 2.998 | 3.005 | -0.007 | 36 | 3821 | 1.00 | 1.11 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 164307 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.098 | 3.091 | 0.007 | 94 | 1187 | 5.00 | 4.86 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 85 | 3624 | 1.00 | 1.11 | a |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 6727 | 1.00 | 1.16 | |
| 53 n-Heptane | 57 | 3.284 | 3.284 | 0.000 | 51 | 1421 | 1.00 | 1.03 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 96 | 8904 | 1.00 | 0.9536 | |
| 55 Propionitrile | 54 | 3.320 | 3.306 | 0.014 | 34 | 2437 | 10.0 | 9.75 | |
| 56 Methacrylonitrile | 67 | 3.327 | 3.327 | 0.000 | 89 | 8010 | 10.0 | 9.76 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.392 | 0.007 | 0 | 105308 | 50.0 | 49.2 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 39 | 6425 | 1.00 | 0.9755 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 94 | 3468 | 1.00 | 1.03 | |
| 60 Isobutyl alcohol | 43 | 3.535 | 3.528 | 0.007 | 94 | 1661 | 25.0 | 23.7 | |
| 61 t-Amyl alcohol | 59 | 3.607 | 3.592 | 0.015 | 80 | 1374 | 10.0 | 8.38 | a |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 98 | 361478 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.707 | 3.700 | 0.007 | 98 | 4235 | 1.00 | 1.07 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 92 | 3972 | 1.00 | 1.13 | |
| 65 Trichloroethene | 130 | 3.786 | 3.779 | 0.007 | 93 | 2459 | 1.00 | 1.03 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.029 | 4.029 | 0.000 | 95 | 5579 | 1.00 | 0.9550 | |
| 67 Dibromomethane | 93 | 4.166 | 4.151 | 0.015 | 90 | 1322 | 1.00 | 0.9359 | |
| 68 n-Butanol | 56 | 4.180 | 4.158 | 0.022 | 56 | 754 | 25.0 | 18.3 | |
| 69 1,2-Dichloropropane | 63 | 4.252 | 4.244 | 0.008 | 84 | 2307 | 1.00 | 0.9734 | |
| 71 Ethyl acrylate | 55 | 4.345 | 4.323 | 0.022 | 57 | 1846 | 1.00 | 0.7549 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 2994 | 1.00 | 0.9530 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 13808 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.531 | 4.524 | 0.007 | 86 | 967 | 2.00 | 1.79 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 38 | 989 | 50.0 | 54.6 | |
| 75 n-Propyl acetate | 43 | 4.688 | 4.681 | 0.007 | 97 | 2585 | 1.00 | 1.01 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.961 | 4.939 | 0.022 | 93 | 1200 | 1.00 | 0.8890 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.982 | 4.968 | 0.014 | 96 | 3479 | 1.00 | 0.9500 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 346627 | 50.0 | 50.5 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 90 | 10290 | 1.00 | 1.00 | |
| 80 Epichlorohydrin | 57 | 5.261 | 5.254 | 0.007 | 98 | 6687 | 20.0 | 30.2 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 94 | 1183 | 2.00 | 1.98 | |
| 82 Tetrachloroethene | 166 | 5.655 | 5.655 | 0.000 | 92 | 2298 | 1.00 | 0.9621 | |

| 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 | 5.698 | 5.691 | 0.007 | 97 | 8855 | 5.00 | 4.73 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.734 | 5.727 | 0.007 | 93 | 2448 | 1.00 | 0.7711 | |
| 85 1,1,2-Trichloroethane | 83 | 5.906 | 5.899 | 0.007 | 93 | 1652 | 1.00 | 0.9716 | |
| 86 Ethyl methacrylate | 69 | 5.992 | 5.978 | 0.014 | 82 | 2353 | 1.00 | 0.8886 | |
| 87 Chlorodibromomethane | 129 | 6.107 | 6.099 | 0.008 | 95 | 1725 | 1.00 | 0.8310 | |
| 88 1,3-Dichloropropane | 76 | 6.221 | 6.214 | 0.007 | 96 | 3144 | 1.00 | 0.9557 | |
| 89 Ethylene Dibromide | 107 | 6.357 | 6.350 | 0.007 | 93 | 1525 | 1.00 | 0.8225 | |
| 90 n-Butyl acetate | 43 | 6.701 | 6.694 | 0.007 | 95 | 2524 | 1.00 | 0.8888 | |
| 91 2-Hexanone | 43 | 6.773 | 6.758 | 0.015 | 96 | 5777 | 5.00 | 4.65 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 302015 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 86 | 6372 | 1.00 | 0.9893 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 98 | 3543 | 1.00 | 0.9855 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 91 | 1996 | 1.00 | 0.9419 | |
| 96 m-Xylene & p-Xylene | 106 | 7.367 | 7.360 | 0.007 | 0 | 4467 | 1.00 | 1.02 | |
| 97 o-Xylene | 106 | 7.962 | 7.948 | 0.014 | 94 | 4124 | 1.00 | 0.9788 | |
| 98 Bromoform | 173 | 8.026 | 8.012 | 0.014 | 92 | 975 | 1.00 | 0.7504 | |
| 99 Styrene | 104 | 8.055 | 8.033 | 0.022 | 94 | 5931 | 1.00 | 0.8530 | |
| 100 n-Butyl acrylate | 73 | 8.377 | 8.363 | 0.014 | 98 | 1087 | 1.00 | 0.7095 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 10863 | 1.00 | 0.9871 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.786 | 8.778 | 0.008 | 37 | 3662 | 1.00 | 1.03 | a |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.814 | 0.000 | 88 | 105286 | 50.0 | 49.5 | |
| 104 Bromobenzene | 156 | 8.922 | 8.915 | 0.007 | 98 | 2497 | 1.00 | 0.9221 | |
| 105 N-Propylbenzene | 91 | 9.079 | 9.065 | 0.014 | 98 | 12846 | 1.00 | 1.00 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.223 | 9.215 | 0.008 | 97 | 2075 | 1.00 | 0.7972 | |
| 107 2-Chlorotoluene | 91 | 9.251 | 9.244 | 0.007 | 96 | 8731 | 1.00 | 0.9655 | |
| 108 4-Ethyltoluene | 105 | 9.266 | 9.258 | 0.008 | 98 | 11494 | 1.00 | 1.04 | |
| 109 1,2,3-Trichloropropane | 110 | 9.366 | 9.351 | 0.015 | 91 | 706 | 1.00 | 1.00 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.423 | 9.416 | 0.007 | 92 | 9942 | 1.00 | 1.03 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.516 | 9.480 | 0.036 | 41 | 995 | 1.00 | 1.10 | M |
| 112 4-Chlorotoluene | 91 | 9.524 | 9.509 | 0.015 | 98 | 7716 | 1.00 | 0.9545 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 7792 | 1.00 | 1.00 | |
| 115 Butyl Methacrylate | 87 | 10.018 | 10.010 | 0.008 | 56 | 2922 | 1.00 | 0.8849 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.025 | 10.018 | 0.007 | 94 | 9618 | 1.00 | 0.9732 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 98 | 11783 | 1.00 | 0.99 | |
| 117 1,3-Dichlorobenzene | 146 | 10.455 | 10.440 | 0.015 | 69 | 4818 | 1.00 | 0.9170 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 96 | 9876 | 1.00 | 0.9667 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 97 | 167971 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 90 | 5542 | 1.00 | 0.99 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.705 | 10.698 | 0.007 | 99 | 9497 | 1.00 | 0.9450 | |
| 122 2,3-Dihydroindene | 117 | 10.877 | 10.877 | 0.000 | 94 | 9714 | 1.00 | 0.9791 | |
| 123 Benzyl chloride | 126 | 11.071 | 11.049 | 0.022 | 87 | 575 | 1.00 | 0.6626 | |
| 124 p-Diethylbenzene | 119 | 11.071 | 11.063 | 0.008 | 90 | 5158 | 1.00 | 0.9665 | |
| 125 n-Butylbenzene | 91 | 11.157 | 11.149 | 0.008 | 98 | 9008 | 1.00 | 0.9688 | |
| 126 1,2-Dichlorobenzene | 146 | 11.264 | 11.250 | 0.014 | 96 | 4598 | 1.00 | 0.9301 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 9447 | 1.00 | 0.99 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.324 | 12.310 | 0.014 | 84 | 372 | 1.00 | 0.8583 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.367 | 12.360 | 0.007 | 95 | 3732 | 1.00 | 0.9646 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.048 | 13.033 | 0.015 | 92 | 3381 | 1.00 | 0.9693 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 82 | 1577 | 1.00 | 1.02 | |
| 132 Naphthalene | 128 | 13.341 | 13.327 | 0.014 | 99 | 6905 | 1.00 | 0.99 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.506 | 13.499 | 0.007 | 95 | 2725 | 1.00 | 0.9181 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 2.00 | 1.99 | |

| 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 | | 2.00 | 1.72 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 2.00 | 2.00 | |
| S 137 Total BTEX | 1 | | | | 0 | | 5.00 | 4.94 | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| 14DIOXINTER_00088 | Amount Added: | 30.00 | Units: uL | |
| GAS Hi_00274 | Amount Added: | 1.00 | Units: uL | |
| MIX I Hi_00098 | Amount Added: | 1.00 | Units: uL | |
| MIX 2 Hi_00075 | Amount Added: | 1.00 | Units: uL | |
| Ethanol mix_00020 | Amount Added: | 1.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

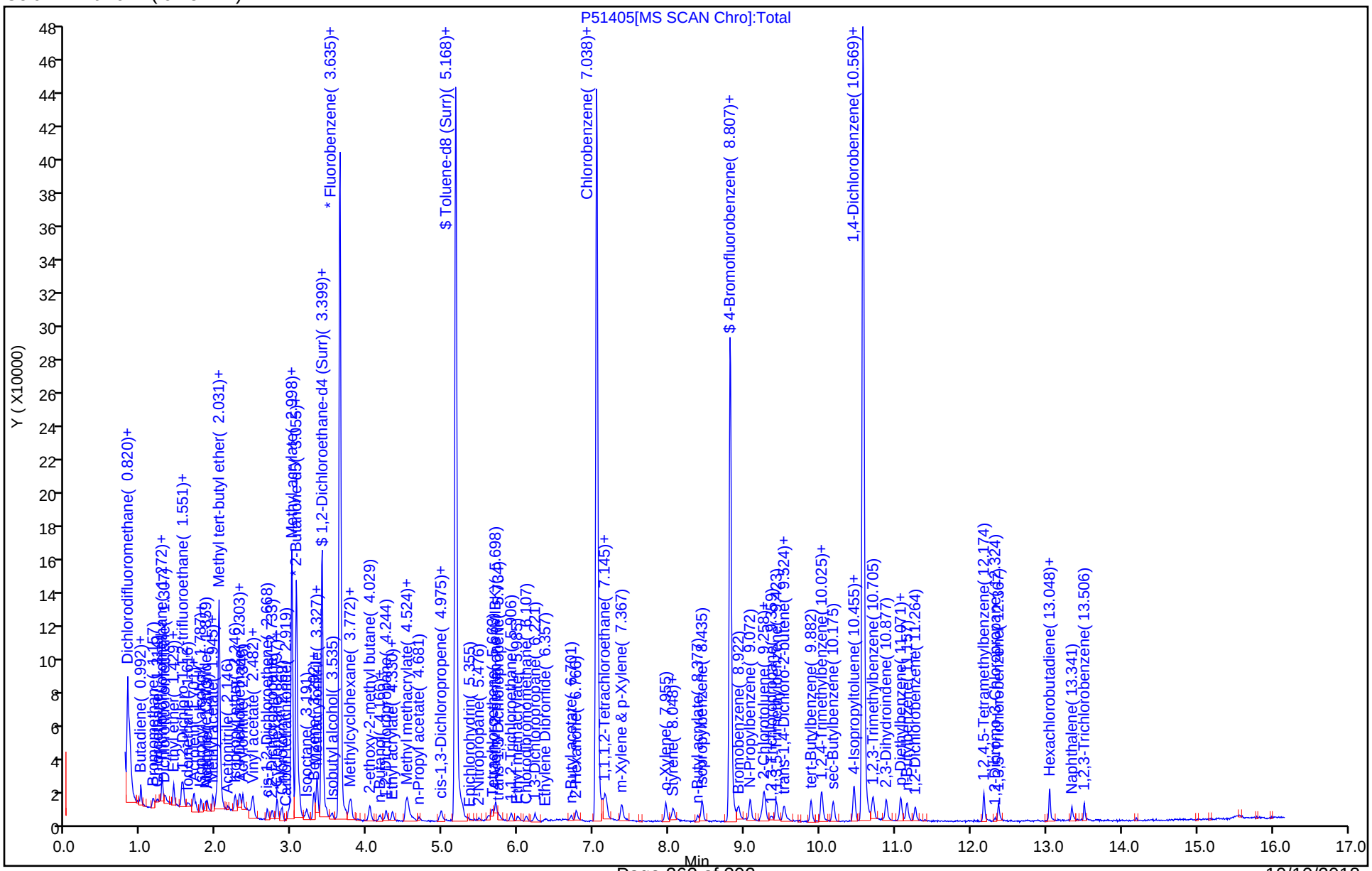
Report Date: 08-Oct-2018 15:05:09 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51405.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Oct-2018 19:00:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | STD1 | | | Worklist Smp#: | 4 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 3 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

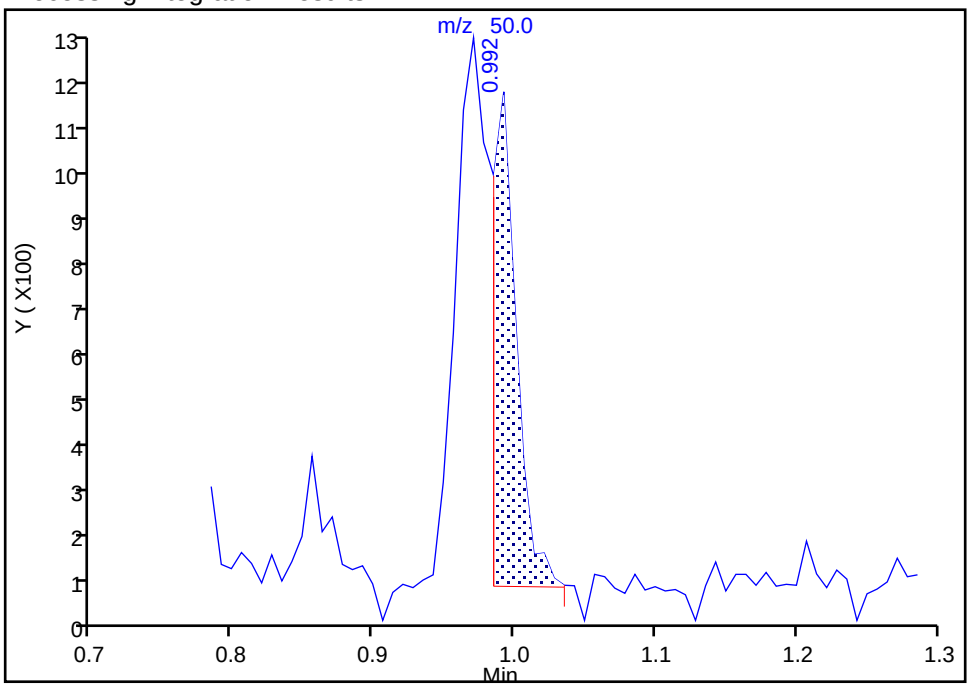
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51405.D
Injection Date: 05-Oct-2018 19:00:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 3 Chloromethane, CAS: 74-87-3

Signal: 1

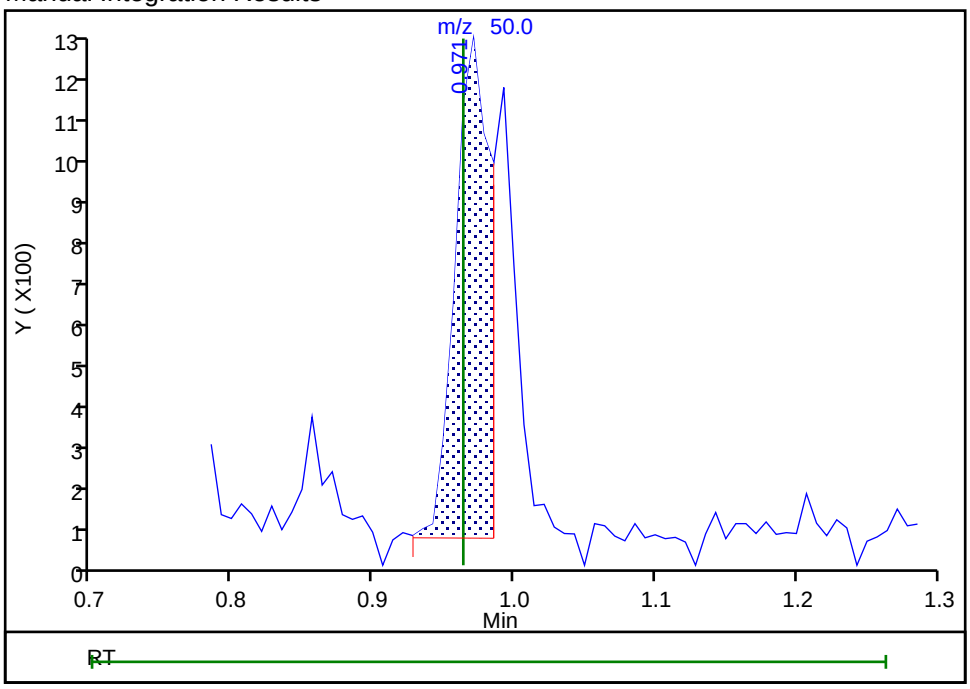
Processing Integration Results

RT: 0.99
Area: 1270
Amount: 0.727713
Amount Units: ug/l




Manual Integration Results

RT: 0.97
Area: 2072
Amount: 0.949980
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:27:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

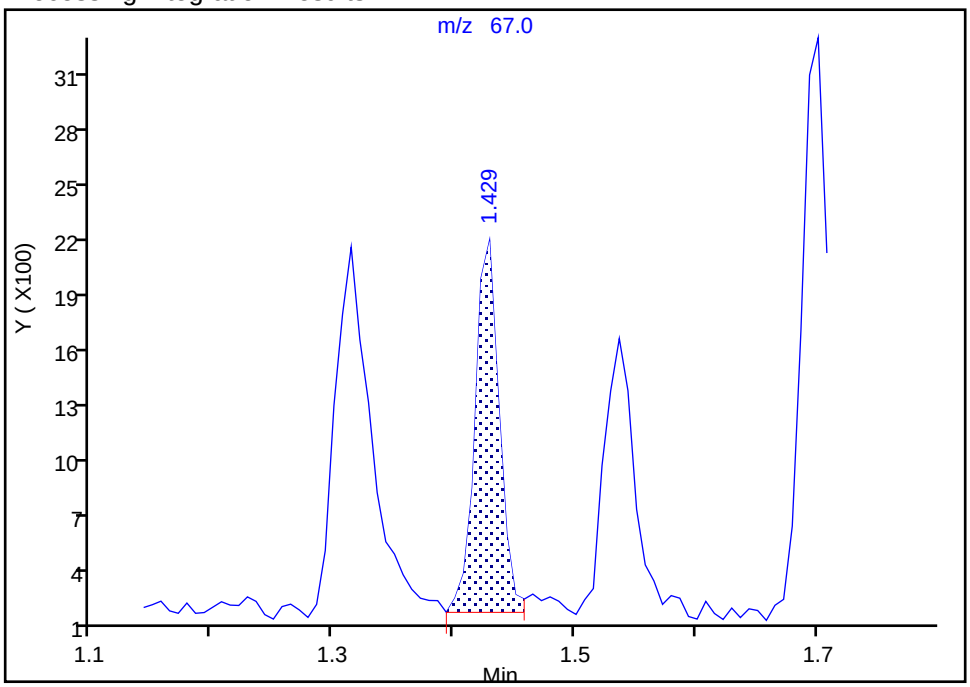
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51405.D
Injection Date: 05-Oct-2018 19:00:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

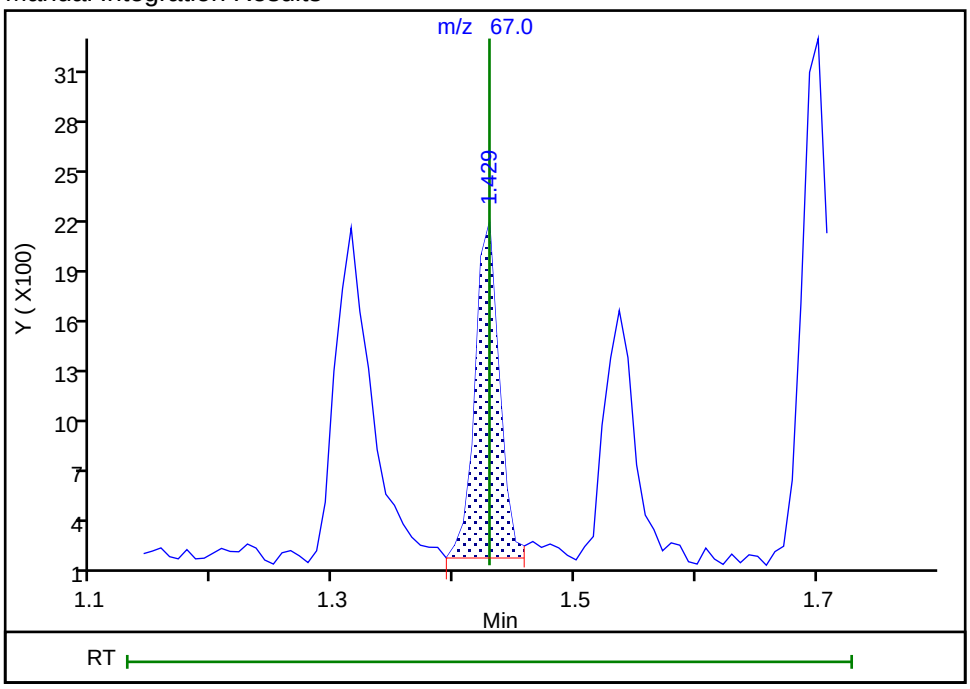
Processing Integration Results

RT: 1.43
Area: 2791
Amount: 0.963132
Amount Units: ug/l




Manual Integration Results

RT: 1.43
Area: 2791
Amount: 0.983628
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:27:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

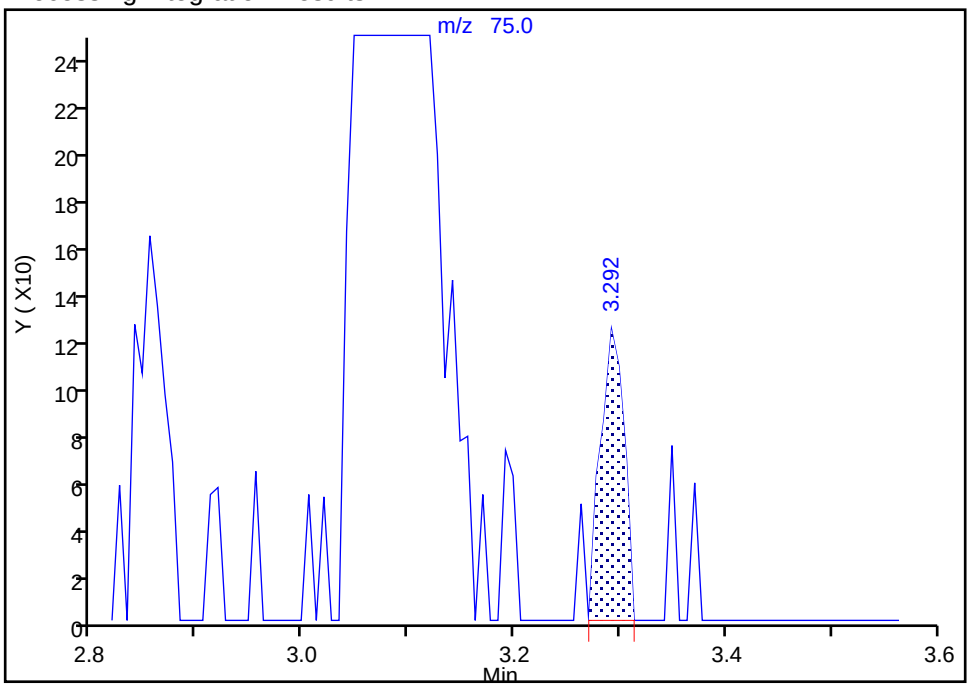
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51405.D
Injection Date: 05-Oct-2018 19:00:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 51 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

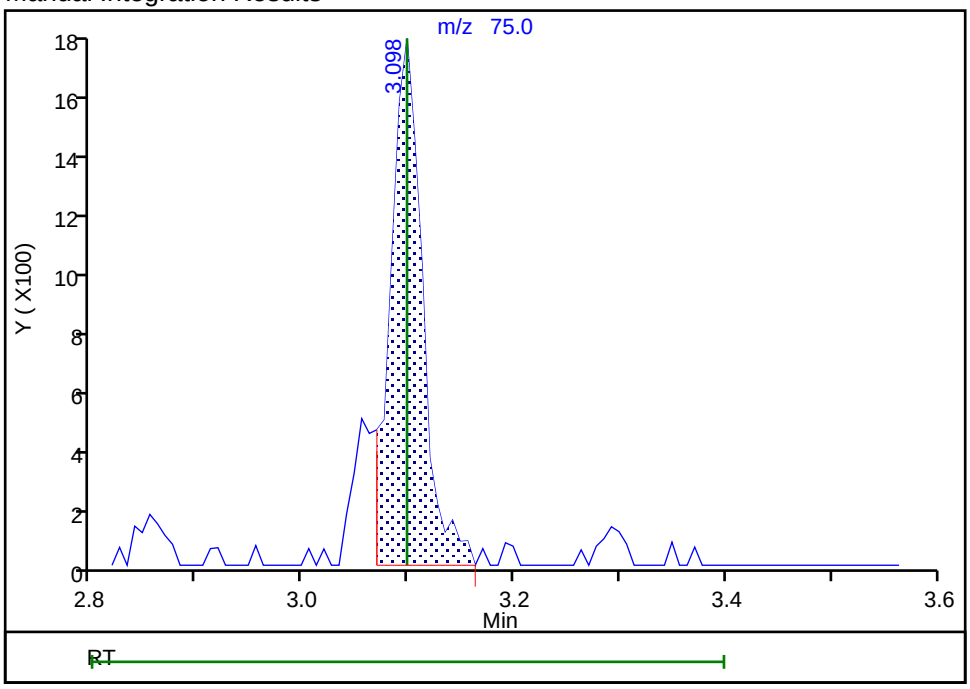
Processing Integration Results

RT: 3.29
Area: 194
Amount: 0.077220
Amount Units: ug/l




Manual Integration Results

RT: 3.10
Area: 3624
Amount: 1.114458
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:28:10
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

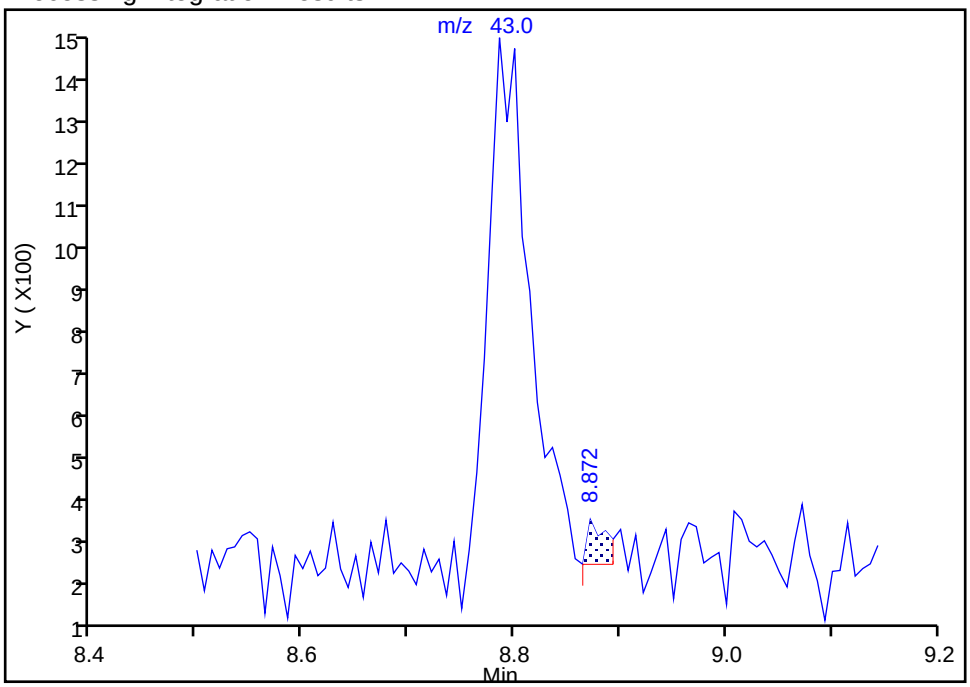
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51405.D
Injection Date: 05-Oct-2018 19:00:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 102 Amyl acetate (mixed isomers), CAS: 628-63-7

Signal: 1

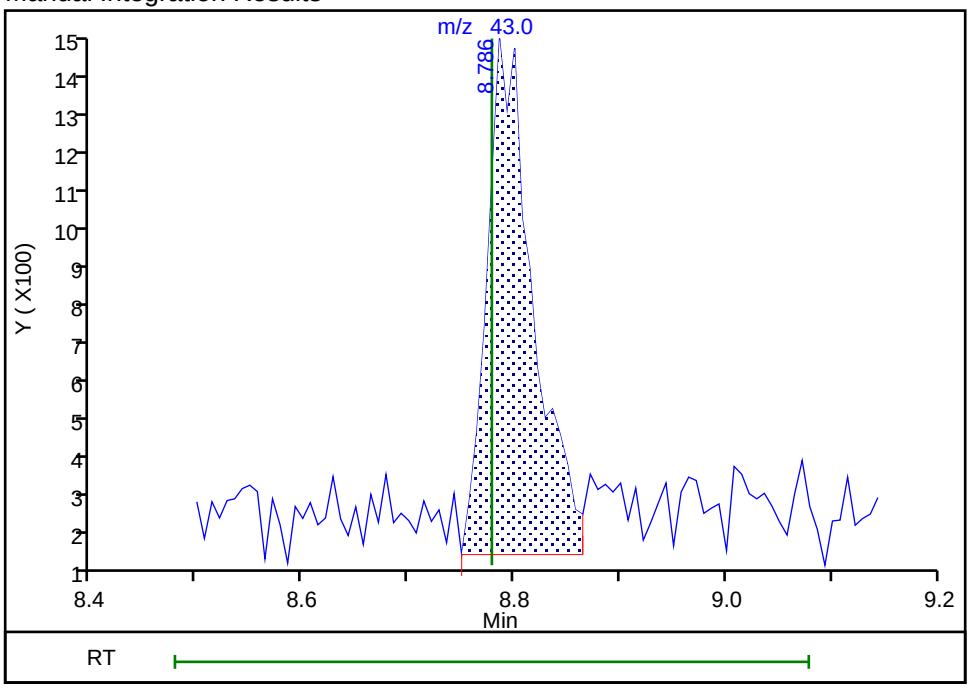
Processing Integration Results

RT: 8.87
Area: 119
Amount: 0.033953
Amount Units: ug/l




Manual Integration Results

RT: 8.79
Area: 3662
Amount: 1.028529
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:28:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

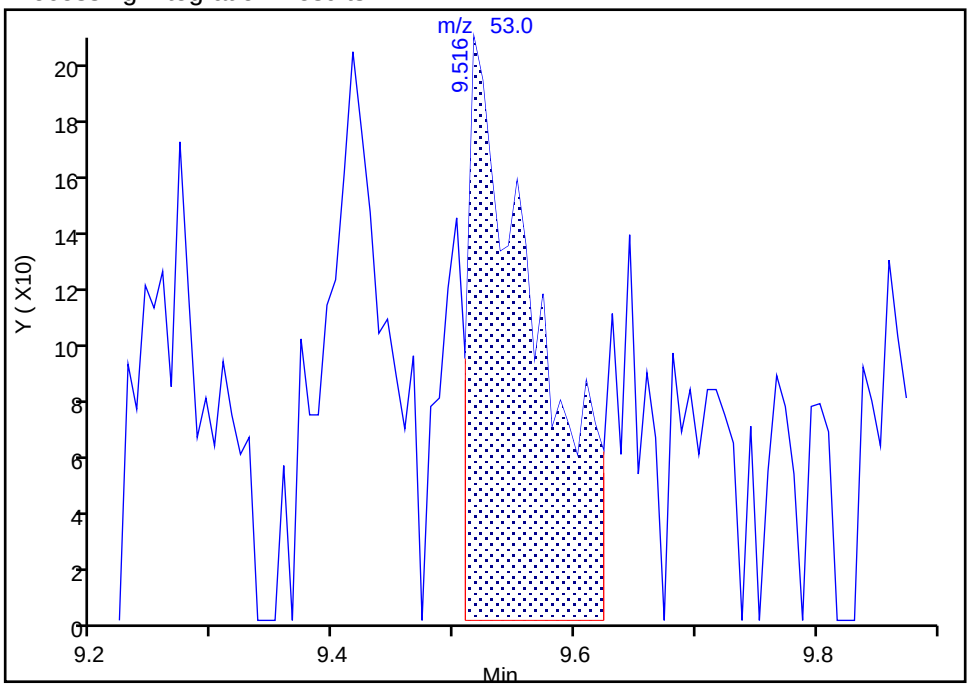
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51405.D
Injection Date: 05-Oct-2018 19:00:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 111 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

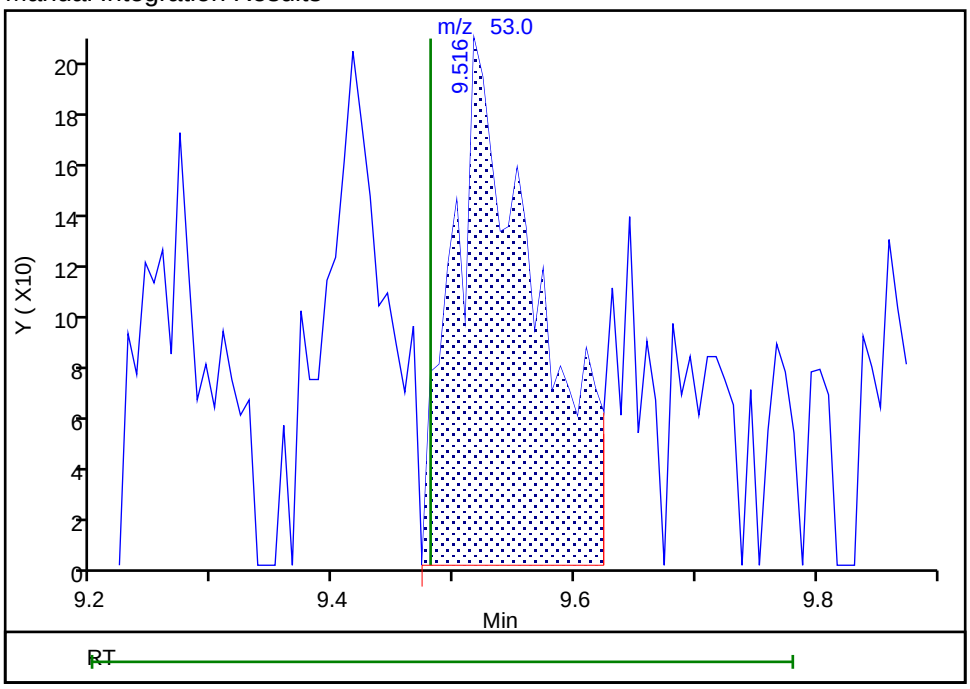
Processing Integration Results

RT: 9.52
Area: 817
Amount: 1.148643
Amount Units: ug/l




Manual Integration Results

RT: 9.52
Area: 995
Amount: 1.102500
Amount Units: ug/l




Reviewer: pakanatir, 07-Oct-2018 18:25:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Oct-2018 19:26:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0079797-005
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:05:24 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: boykink Date: 05-Oct-2018 19:24:41

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.849 | 0.842 | 0.007 | 91 | 3997 | 5.00 | 4.85 | |
| 2 Dichlorodifluoromethane | 85 | 0.863 | 0.856 | 0.007 | 99 | 11363 | 5.00 | 5.14 | |
| 3 Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 99 | 10549 | 5.00 | 4.84 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 77 | 11786 | 5.00 | 5.11 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 10046 | 5.00 | 5.17 | |
| 6 Bromomethane | 94 | 1.157 | 1.157 | 0.000 | 99 | 9199 | 5.00 | 4.62 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 100 | 8257 | 5.00 | 4.69 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 76 | 15324 | 5.00 | 5.12 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 94 | 3055 | 10.0 | 9.56 | |
| 10 Dichlorofluoromethane | 67 | 1.315 | 1.315 | 0.000 | 98 | 20331 | 5.00 | 4.89 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 99 | 14336 | 5.00 | 5.06 | a |
| 12 Ethyl ether | 59 | 1.436 | 1.436 | 0.000 | 95 | 8763 | 5.00 | 4.75 | |
| 13 Ethanol | 46 | 1.508 | 1.515 | -0.007 | 98 | 1228 | 200.0 | 152.2 | a |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 82 | 12760 | 5.00 | 4.74 | a |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 97 | 9863 | 5.00 | 5.03 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 32005 | 5.00 | 4.60 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.565 | -0.007 | 93 | 9293 | 5.00 | 5.32 | |
| 18 Iodomethane | 142 | 1.615 | 1.623 | -0.008 | 99 | 15038 | 5.00 | 4.78 | |
| 19 Cyclopentene | 67 | 1.701 | 1.694 | 0.007 | 97 | 24770 | 5.00 | 5.02 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 94 | 3286 | 20.0 | 20.4 | |
| 21 3-Chloro-1-propene | 76 | 1.795 | 1.794 | 0.001 | 88 | 6632 | 5.00 | 4.95 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 96 | 5117 | 50.0 | 50.0 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 91 | 12412 | 5.00 | 4.87 | |
| 24 Acetone | 43 | 1.881 | 1.880 | 0.001 | 87 | 13137 | 25.0 | 24.5 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 11545 | 5.00 | 5.08 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 98 | 12639 | 10.0 | 10.4 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 83 | 2538 | 5.00 | 5.65 | |
| 28 Methyl tert-butyl ether | 73 | 2.009 | 2.009 | 0.000 | 98 | 32497 | 5.00 | 4.93 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 143063 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.074 | 2.074 | 0.000 | 98 | 9293 | 50.0 | 49.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 99 | 11470 | 50.0 | 53.9 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 95 | 36934 | 5.00 | 4.90 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.303 | -0.007 | 92 | 10313 | 5.00 | 5.19 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 100 | 20778 | 5.00 | 4.91 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 93 | 33812 | 50.0 | 53.5 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 88 | 34461 | 5.00 | 4.81 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 38886 | 10.0 | 9.49 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.668 | 2.668 | 0.000 | 96 | 12451 | 5.00 | 4.95 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 96 | 16180 | 5.00 | 4.92 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.804 | 0.001 | 90 | 5536 | 5.00 | 4.79 | |
| 40 Cyclohexane | 56 | 2.797 | 2.804 | -0.007 | 91 | 16863 | 5.00 | 5.15 | |
| 42 Chloroform | 83 | 2.869 | 2.862 | 0.007 | 98 | 19767 | 5.00 | 4.95 | |
| 43 Carbon tetrachloride | 117 | 2.948 | 2.955 | -0.007 | 96 | 13280 | 5.00 | 5.01 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 96 | 2421 | 10.0 | 10.0 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 83 | 8164 | 5.00 | 4.56 | |
| 46 Tetrahydrofuran | 42 | 2.976 | 2.976 | 0.000 | 93 | 7157 | 10.0 | 9.71 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 97 | 83067 | 50.0 | 50.0 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 98 | 16880 | 5.00 | 4.92 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 164464 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.098 | 3.091 | 0.007 | 98 | 6137 | 25.0 | 25.1 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 89 | 15462 | 5.00 | 4.76 | a |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 97 | 31053 | 5.00 | 5.37 | |
| 53 n-Heptane | 57 | 3.284 | 3.284 | 0.000 | 89 | 6694 | 5.00 | 4.87 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 96 | 44713 | 5.00 | 4.80 | |
| 55 Propionitrile | 54 | 3.313 | 3.306 | 0.007 | 94 | 12290 | 50.0 | 48.7 | |
| 56 Methacrylonitrile | 67 | 3.327 | 3.327 | 0.000 | 93 | 39152 | 50.0 | 47.8 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.392 | 0.007 | 0 | 107431 | 50.0 | 50.3 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 52 | 32423 | 5.00 | 4.93 | |
| 59 1,2-Dichloroethane | 62 | 3.456 | 3.449 | 0.007 | 97 | 16262 | 5.00 | 4.82 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.528 | 0.000 | 97 | 7833 | 125.0 | 110.7 | |
| 61 t-Amyl alcohol | 59 | 3.600 | 3.592 | 0.008 | 95 | 7022 | 50.0 | 51.6 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 98 | 360864 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 18393 | 5.00 | 4.66 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 95 | 18697 | 5.00 | 5.32 | |
| 65 Trichloroethene | 130 | 3.786 | 3.779 | 0.007 | 97 | 11690 | 5.00 | 4.89 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.029 | 4.029 | 0.000 | 93 | 29266 | 5.00 | 5.02 | |
| 67 Dibromomethane | 93 | 4.158 | 4.151 | 0.007 | 95 | 6962 | 5.00 | 4.94 | |
| 68 n-Butanol | 56 | 4.173 | 4.158 | 0.015 | 86 | 4377 | 125.0 | 105.3 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 86 | 11748 | 5.00 | 4.97 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 97 | 15261 | 5.00 | 4.87 | |
| 71 Ethyl acrylate | 55 | 4.330 | 4.323 | 0.007 | 74 | 11091 | 5.00 | 4.54 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 12883 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 90 | 5507 | 10.0 | 10.2 | |
| 74 1,4-Dioxane | 88 | 4.545 | 4.538 | 0.007 | 86 | 1700 | 100.0 | 100.6 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 99 | 12526 | 5.00 | 4.90 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.946 | 4.939 | 0.007 | 96 | 6792 | 5.00 | 5.04 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.975 | 4.968 | 0.007 | 98 | 17746 | 5.00 | 4.86 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 345242 | 50.0 | 50.5 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 93 | 49418 | 5.00 | 4.83 | |
| 80 Epichlorohydrin | 57 | 5.254 | 5.254 | 0.000 | 99 | 34791 | 100.0 | 157.1 | |
| 81 2-Nitropropane | 41 | 5.484 | 5.476 | 0.008 | 98 | 6029 | 10.0 | 10.1 | |
| 82 Tetrachloroethene | 166 | 5.655 | 5.655 | 0.000 | 97 | 11730 | 5.00 | 4.92 | |

| 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 | 5.698 | 5.691 | 0.007 | 97 | 46158 | 25.0 | 24.6 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.734 | 5.727 | 0.007 | 97 | 15637 | 5.00 | 4.94 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 8575 | 5.00 | 5.06 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.978 | 0.007 | 87 | 12948 | 5.00 | 4.90 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.099 | 0.001 | 96 | 9827 | 5.00 | 4.75 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 94 | 16429 | 5.00 | 5.01 | |
| 89 Ethylene Dibromide | 107 | 6.350 | 6.350 | 0.000 | 97 | 9324 | 5.00 | 5.04 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 14366 | 5.00 | 5.07 | |
| 91 2-Hexanone | 43 | 6.759 | 6.758 | 0.001 | 97 | 29949 | 25.0 | 24.1 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 301231 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 92 | 31319 | 5.00 | 4.88 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 17239 | 5.00 | 4.81 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 93 | 10250 | 5.00 | 4.85 | |
| 96 m-Xylene & p-Xylene | 106 | 7.367 | 7.360 | 0.007 | 0 | 20656 | 5.00 | 4.73 | a |
| 97 o-Xylene | 106 | 7.955 | 7.948 | 0.007 | 93 | 20361 | 5.00 | 4.85 | a |
| 98 Bromoform | 173 | 8.019 | 8.012 | 0.007 | 93 | 6053 | 5.00 | 4.67 | |
| 99 Styrene | 104 | 8.041 | 8.033 | 0.008 | 95 | 34004 | 5.00 | 4.90 | |
| 100 n-Butyl acrylate | 73 | 8.370 | 8.363 | 0.007 | 95 | 7569 | 5.00 | 4.95 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 53298 | 5.00 | 4.86 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.779 | 8.778 | 0.001 | 90 | 17648 | 5.00 | 4.96 | a |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.814 | 0.000 | 89 | 106164 | 50.0 | 50.0 | |
| 104 Bromobenzene | 156 | 8.922 | 8.915 | 0.007 | 95 | 13223 | 5.00 | 4.89 | |
| 105 N-Propylbenzene | 91 | 9.072 | 9.065 | 0.007 | 99 | 64088 | 5.00 | 5.01 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.215 | 9.215 | 0.000 | 97 | 11204 | 5.00 | 5.15 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 44441 | 5.00 | 4.92 | |
| 108 4-Ethyltoluene | 105 | 9.258 | 9.258 | 0.000 | 97 | 53784 | 5.00 | 4.87 | |
| 109 1,2,3-Trichloropropane | 110 | 9.359 | 9.351 | 0.008 | 96 | 3779 | 5.00 | 5.37 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 92 | 46425 | 5.00 | 4.80 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.495 | 9.480 | 0.015 | 89 | 3127 | 5.00 | 4.28 | |
| 112 4-Chlorotoluene | 91 | 9.516 | 9.509 | 0.007 | 98 | 38178 | 5.00 | 4.73 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 39301 | 5.00 | 5.06 | |
| 115 Butyl Methacrylate | 87 | 10.018 | 10.010 | 0.008 | 58 | 16323 | 5.00 | 4.95 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 95 | 47397 | 5.00 | 4.80 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 98 | 57705 | 5.00 | 4.86 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.440 | 0.000 | 93 | 25753 | 5.00 | 4.91 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 49596 | 5.00 | 4.86 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 167713 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 94 | 27228 | 5.00 | 4.88 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 49986 | 5.00 | 4.98 | |
| 122 2,3-Dihydroindene | 117 | 10.877 | 10.877 | 0.000 | 93 | 48919 | 5.00 | 4.94 | |
| 123 Benzyl chloride | 126 | 11.056 | 11.049 | 0.007 | 97 | 4399 | 5.00 | 5.08 | a |
| 124 p-Diethylbenzene | 119 | 11.071 | 11.063 | 0.008 | 94 | 25910 | 5.00 | 4.86 | |
| 125 n-Butylbenzene | 91 | 11.149 | 11.149 | 0.000 | 99 | 46013 | 5.00 | 4.96 | |
| 126 1,2-Dichlorobenzene | 146 | 11.257 | 11.250 | 0.007 | 95 | 23681 | 5.00 | 4.80 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 46857 | 5.00 | 4.93 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.310 | 0.007 | 92 | 2203 | 5.00 | 5.09 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 19001 | 5.00 | 4.92 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 95 | 15807 | 5.00 | 4.54 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 93 | 7769 | 5.00 | 5.04 | |
| 132 Naphthalene | 128 | 13.334 | 13.327 | 0.007 | 99 | 32179 | 5.00 | 4.62 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 94 | 14285 | 5.00 | 4.82 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 10.0 | 10.0 | |

| 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 | | 10.0 | 9.80 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 10.0 | 9.58 | |
| S 137 Total BTEX | 1 | | | | 0 | | 25.0 | 24.0 | |

## QC Flag Legend

Review Flags

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| GAS Hi_00274 | Amount Added: | 1.00 | Units: uL | |
| MIX I Hi_00098 | Amount Added: | 1.00 | Units: uL | |
| MIX 2 Hi_00075 | Amount Added: | 1.00 | Units: uL | |
| Ethanol mix_00020 | Amount Added: | 1.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 08-Oct-2018 15:05:28 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D

Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13 Operator ID:

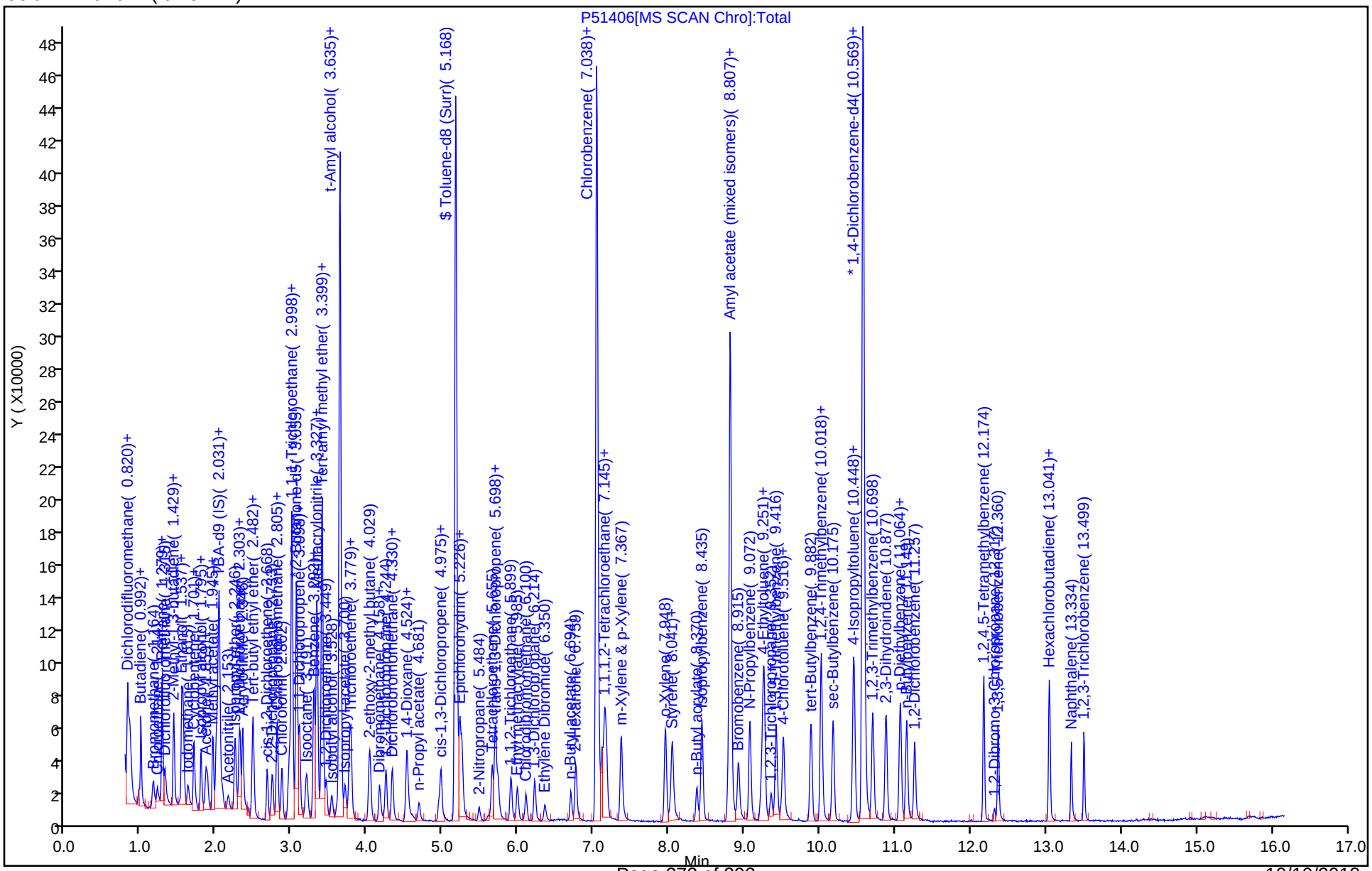
Lims ID: STD5 Worklist Smp#: 5

Client ID:

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

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

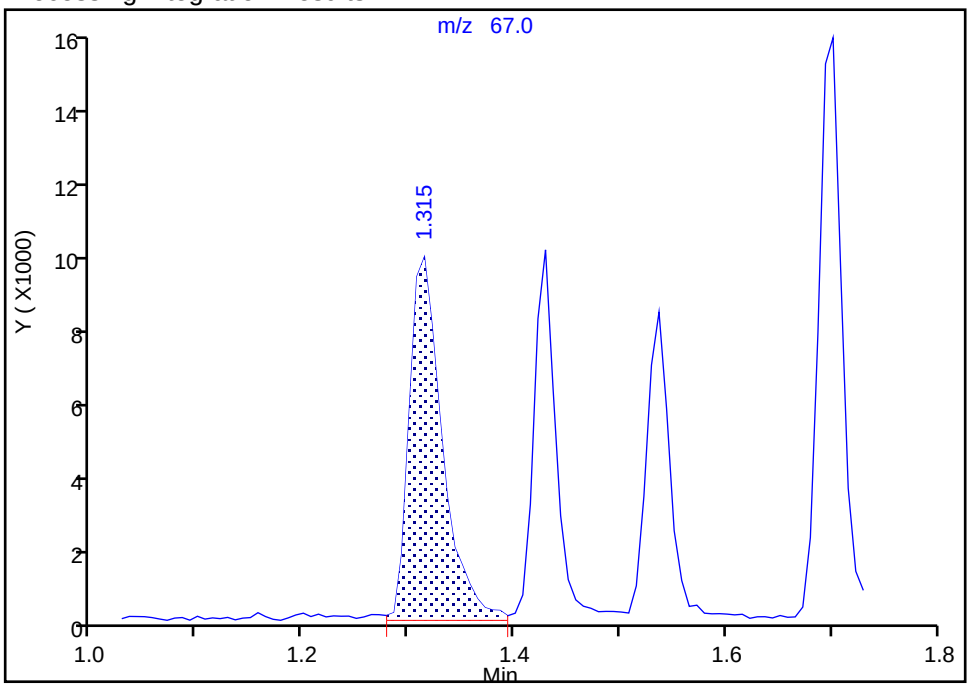
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

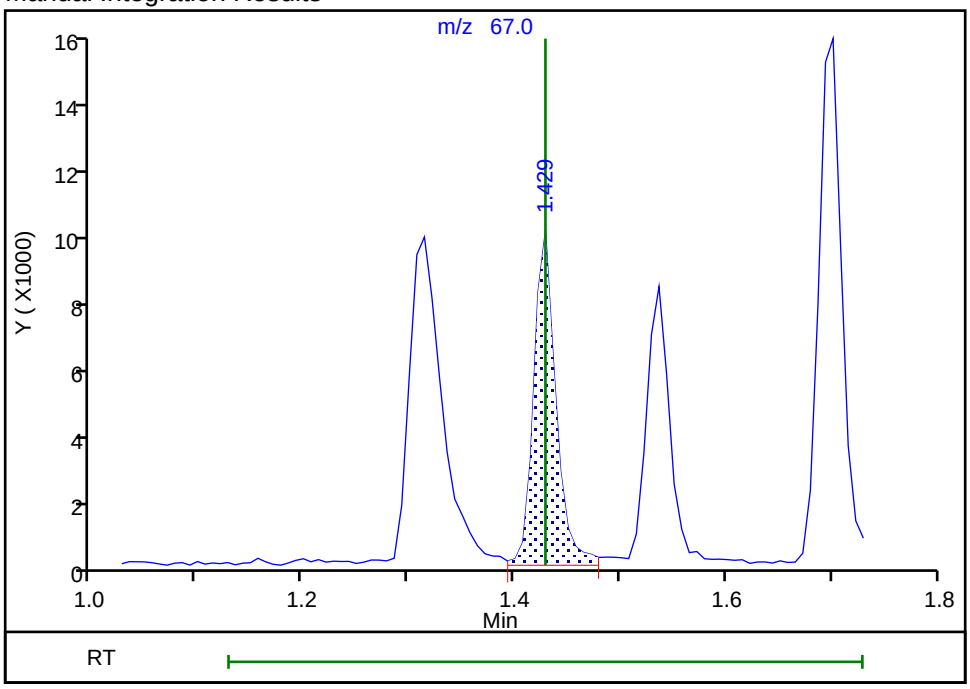
Processing Integration Results

RT: 1.31
Area: 21054
Amount: 8.022008
Amount Units: ug/l




Manual Integration Results

RT: 1.43
Area: 14336
Amount: 5.061010
Amount Units: ug/l




Reviewer: pakanatir, 07-Oct-2018 18:19:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

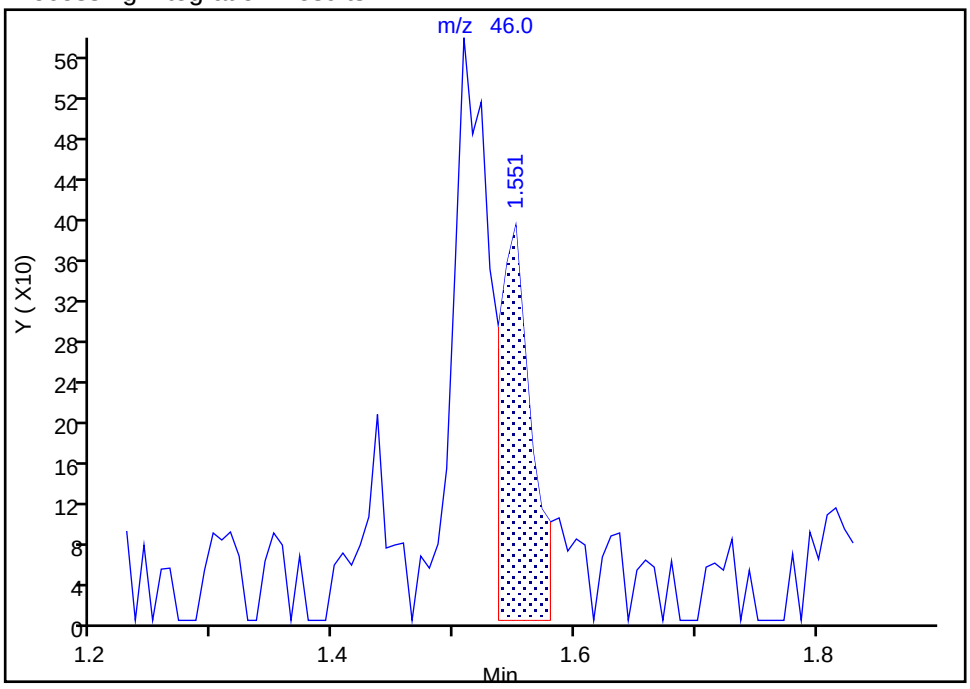
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 13 Ethanol, CAS: 64-17-5

Signal: 1

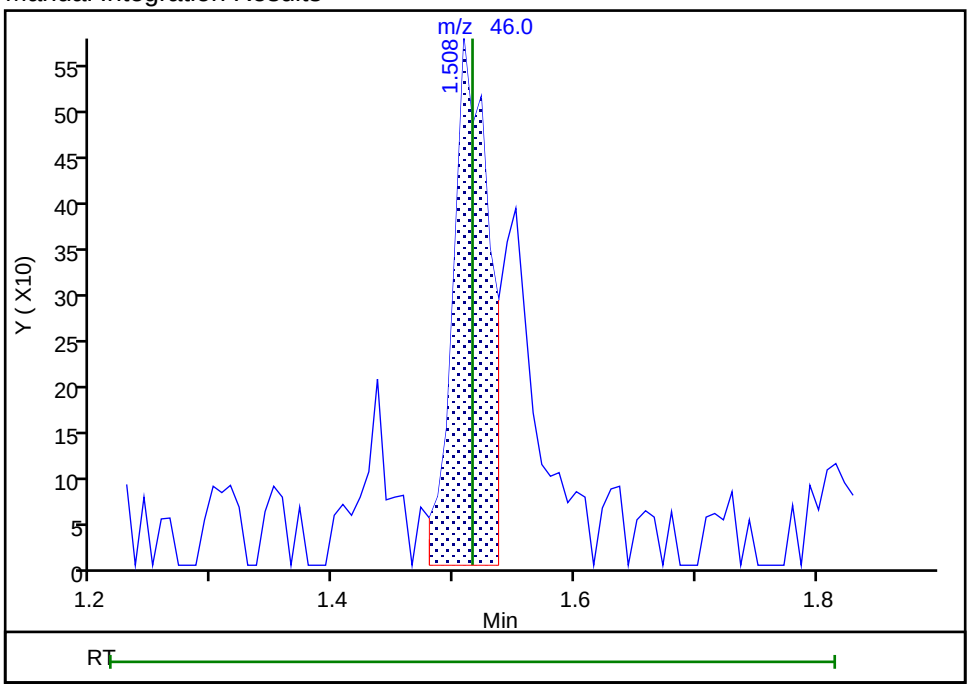
Processing Integration Results

RT: 1.55
Area: 729
Amount: 174.0579
Amount Units: ug/l




Manual Integration Results

RT: 1.51
Area: 1228
Amount: 152.2399
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 19:16:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

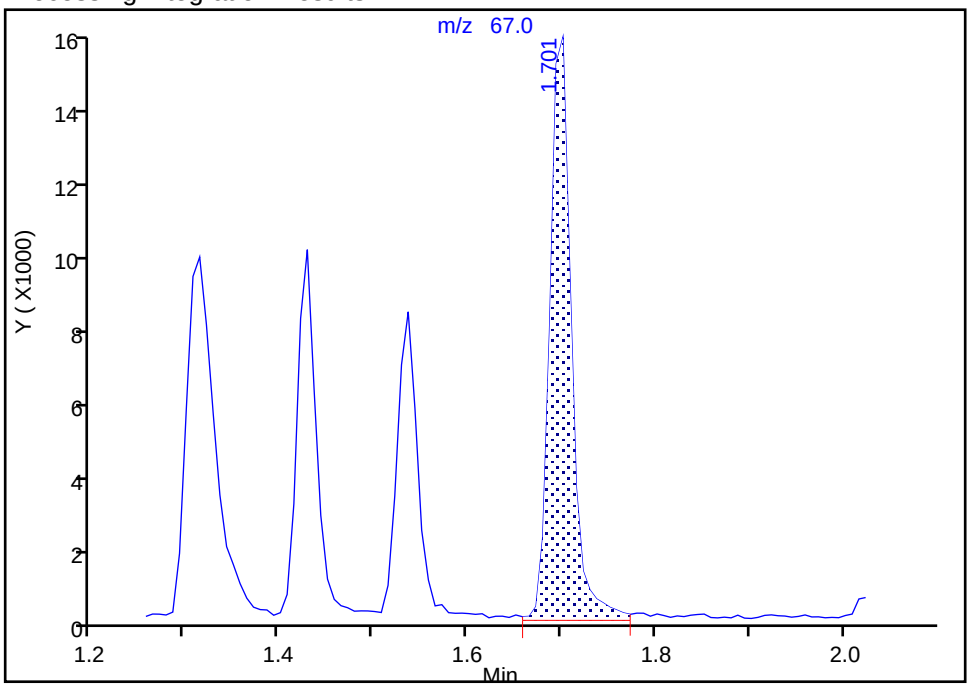
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 15 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

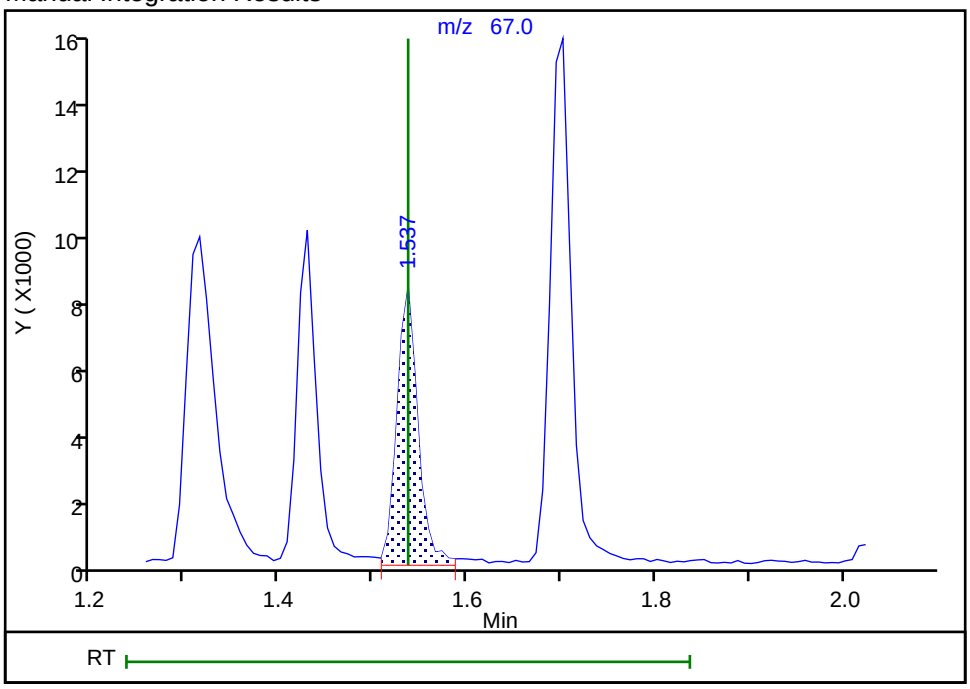
Processing Integration Results

RT: 1.70
Area: 24770
Amount: 4.180285
Amount Units: ug/l




Manual Integration Results

RT: 1.54
Area: 12760
Amount: 4.743191
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 23:01:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

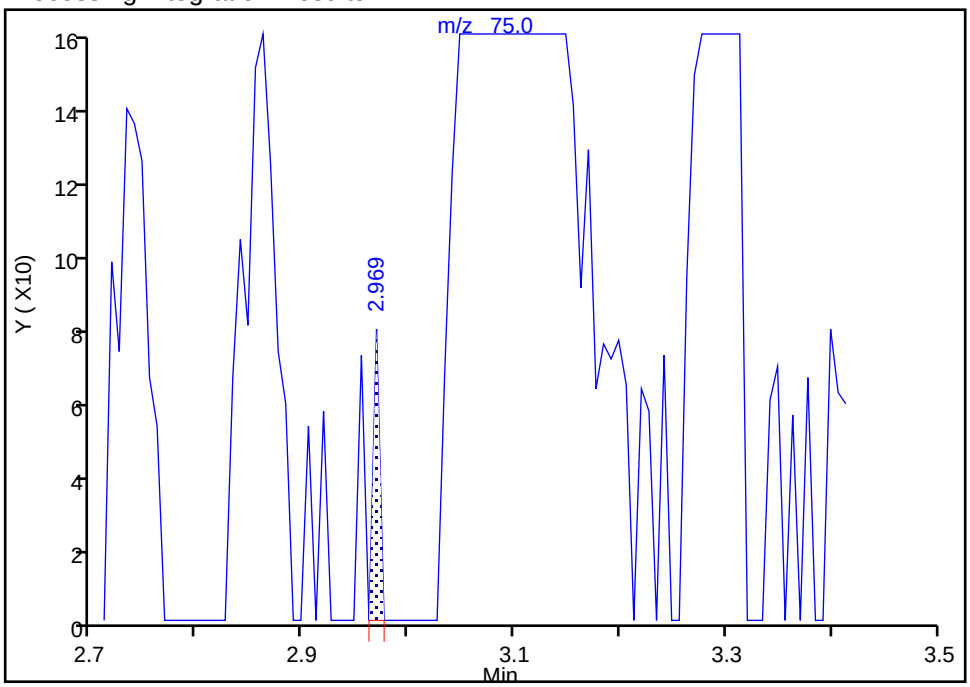
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 51 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

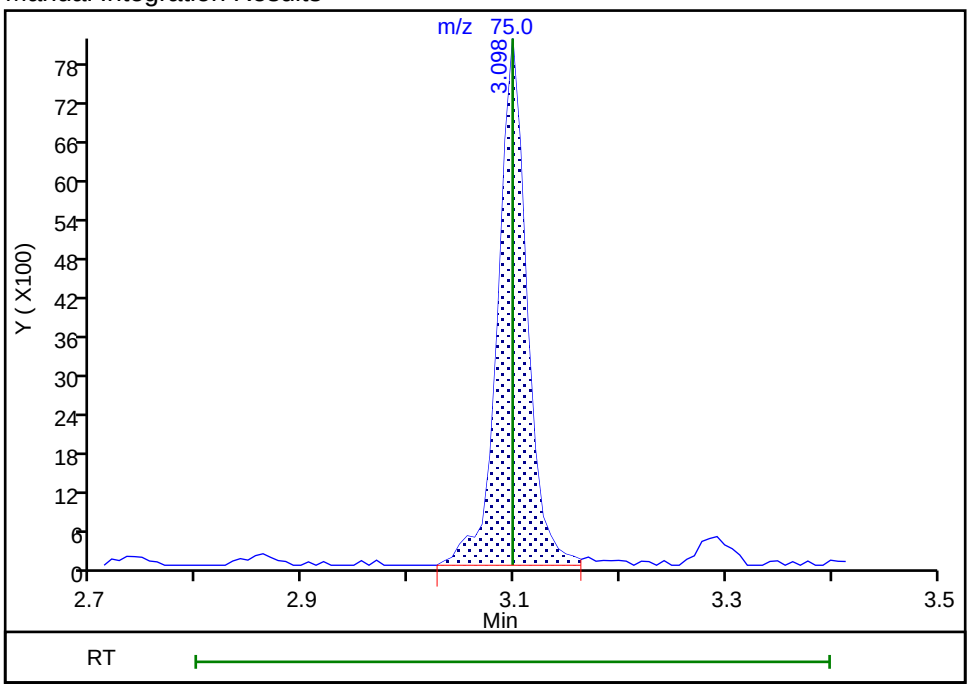
Processing Integration Results

RT: 2.97
Area: 34
Amount: 3.576590
Amount Units: ug/l




Manual Integration Results

RT: 3.10
Area: 15462
Amount: 4.762990
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 19:17:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

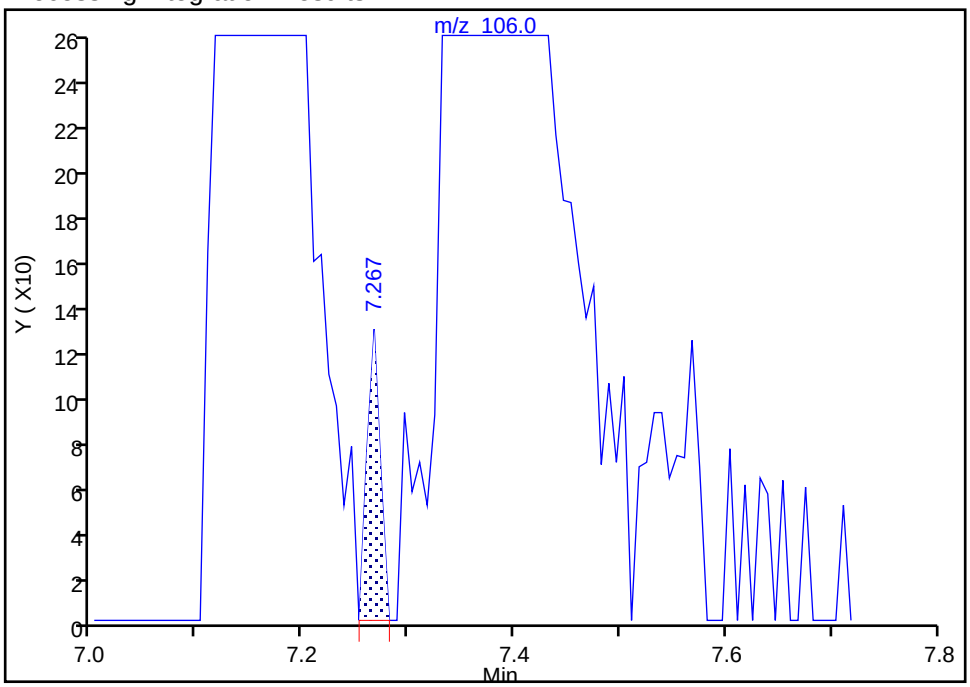
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 96 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

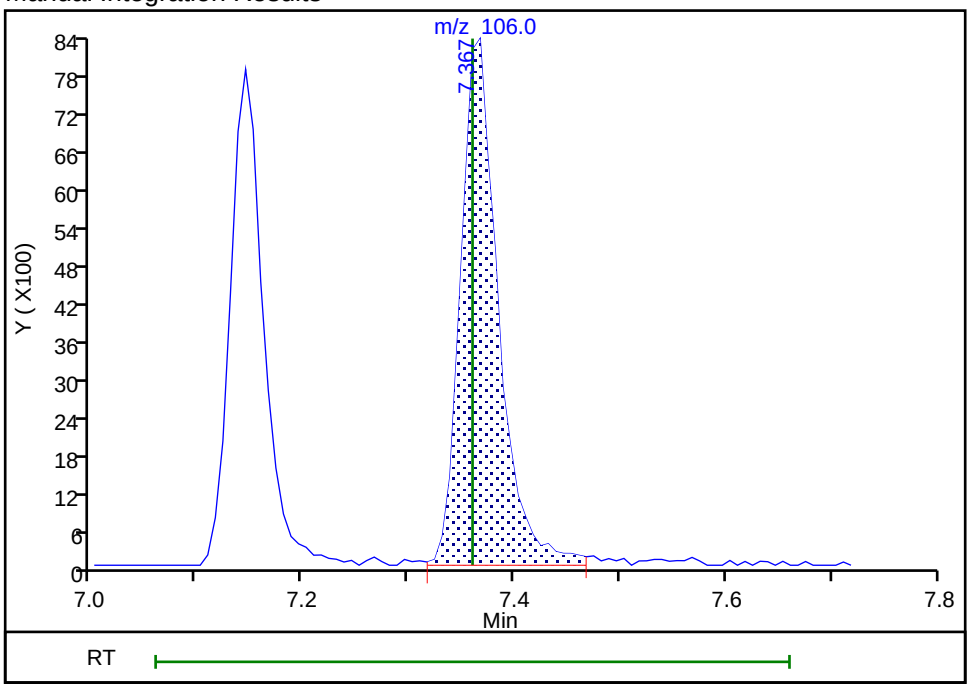
Processing Integration Results

RT: 7.27
Area: 112
Amount: 0.049999
Amount Units: ug/l




Manual Integration Results

RT: 7.37
Area: 20656
Amount: 4.734326
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 19:18:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

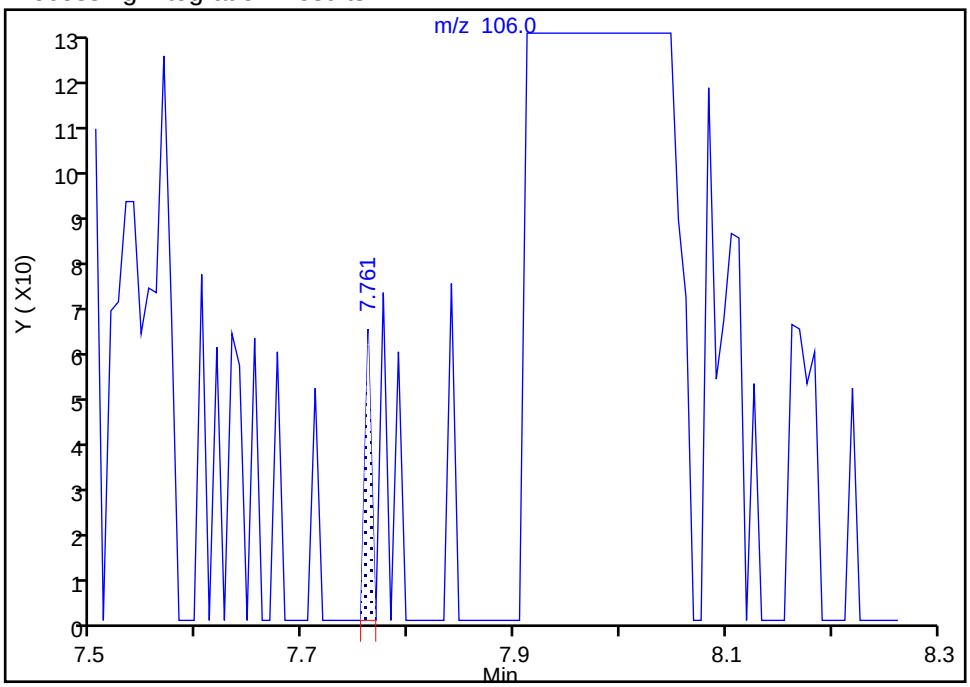
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 97 o-Xylene, CAS: 95-47-6

Signal: 1

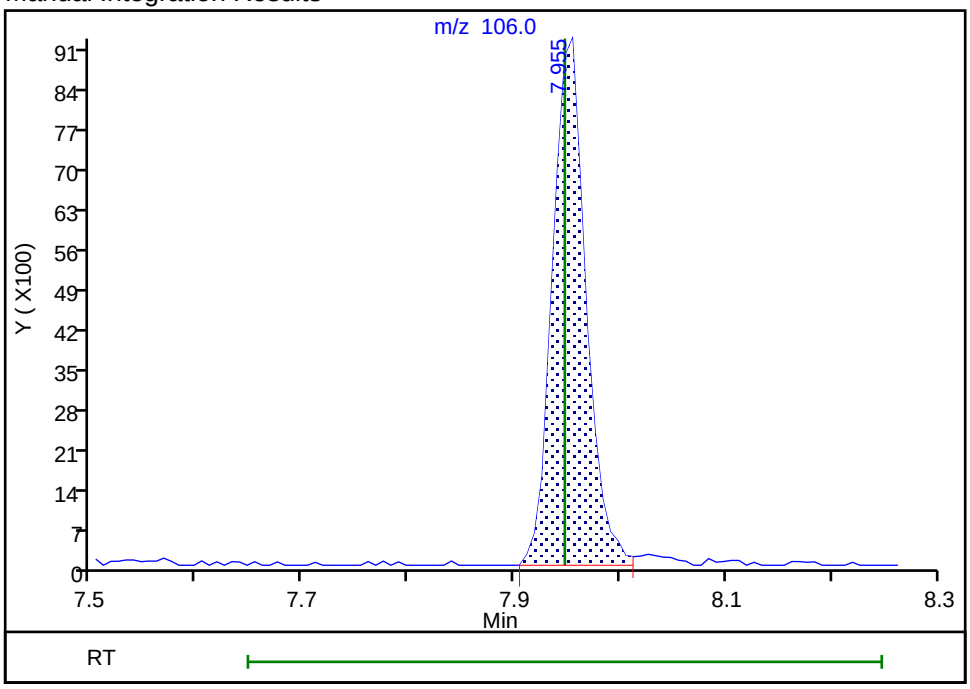
Processing Integration Results

RT: 7.76
Area: 28
Amount: 0.013719
Amount Units: ug/l




Manual Integration Results

RT: 7.95
Area: 20361
Amount: 4.845025
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 19:18:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

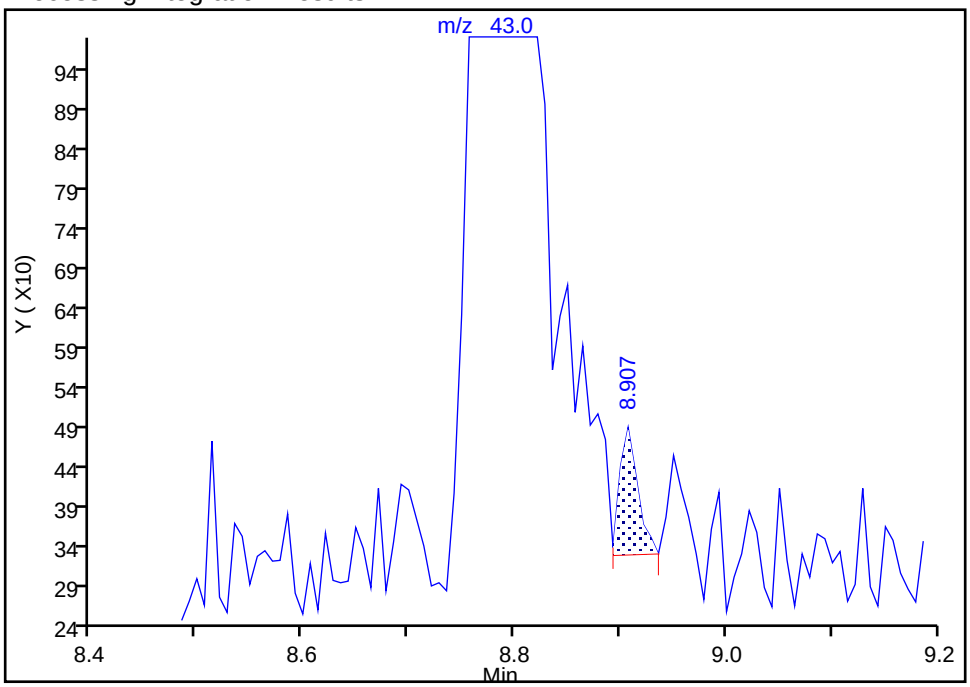
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 102 Amyl acetate (mixed isomers), CAS: 628-63-7

Signal: 1

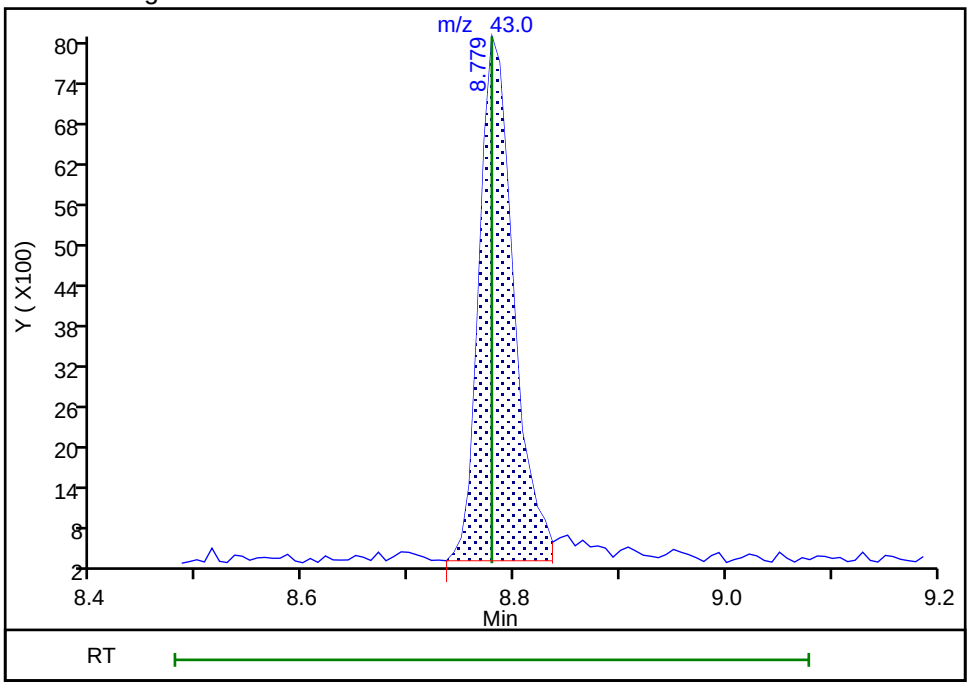
Processing Integration Results

RT: 8.91
Area: 189
Amount: 3.884419
Amount Units: ug/l




Manual Integration Results

RT: 8.78
Area: 17648
Amount: 4.964340
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 19:18:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

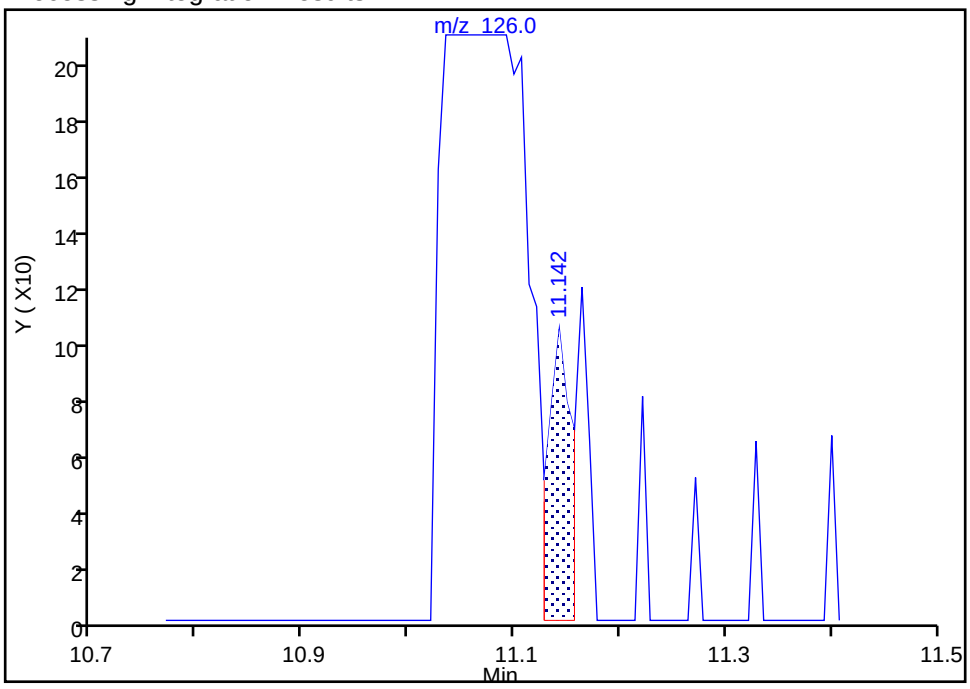
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51406.D
Injection Date: 05-Oct-2018 19:26:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 123 Benzyl chloride, CAS: 100-44-7

Signal: 1

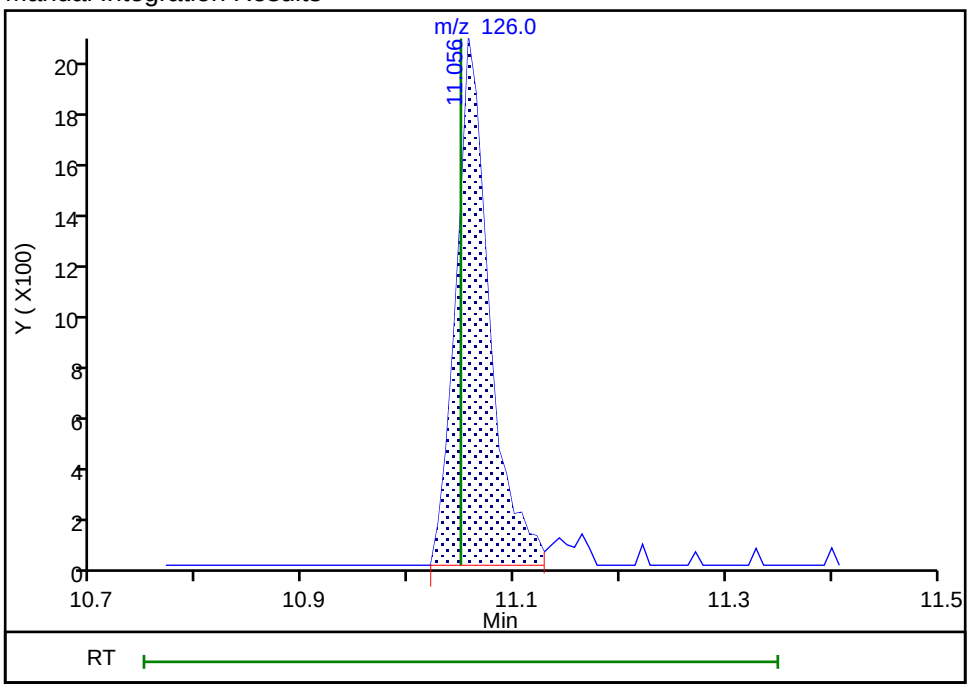
Processing Integration Results

RT: 11.14
Area: 162
Amount: 0.180208
Amount Units: ug/l




Manual Integration Results

RT: 11.06
Area: 4399
Amount: 5.076761
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 20:52:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51407.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 05-Oct-2018 19:53:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0079797-006
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:05:44 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: pakanatir Date: 08-Oct-2018 15:01:59

| | Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 89 | 16013 | 20.0 | 19.2 | |
| 2 | Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 37440 | 20.0 | 16.7 | |
| 3 | Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 99 | 42422 | 20.0 | 19.2 | |
| 4 | Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 89 | 45426 | 20.0 | 19.4 | |
| 5 | Butadiene | 54 | 0.992 | 0.992 | 0.000 | 95 | 34608 | 20.0 | 17.6 | |
| 6 | Bromomethane | 94 | 1.157 | 1.157 | 0.000 | 98 | 38426 | 20.0 | 19.2 | |
| 7 | Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 100 | 34356 | 20.0 | 19.7 | |
| 9 | Pentane | 72 | 1.279 | 1.279 | 0.000 | 96 | 12735 | 40.0 | 41.2 | |
| 8 | Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 98 | 58604 | 20.0 | 19.3 | |
| 10 | Dichlorofluoromethane | 67 | 1.315 | 1.315 | 0.000 | 98 | 85963 | 20.0 | 20.4 | |
| 11 | 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 98 | 52413 | 20.0 | 18.2 | a |
| 12 | Ethyl ether | 59 | 1.436 | 1.436 | 0.000 | 95 | 35572 | 20.0 | 19.0 | |
| 13 | Ethanol | 46 | 1.515 | 1.515 | 0.000 | 98 | 7479 | 800.0 | 917.8 | |
| 14 | 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 98 | 38361 | 20.0 | 19.3 | |
| 15 | 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 87 | 50616 | 20.0 | 18.6 | a |
| 16 | Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 99 | 132568 | 20.0 | 18.8 | |
| 17 | 1,1,2-Trichloro-1,2,2-trif | 101 | 1.565 | 1.565 | 0.000 | 95 | 35703 | 20.0 | 20.2 | |
| 18 | Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 98 | 64272 | 20.0 | 20.2 | |
| 19 | Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 97138 | 20.0 | 19.4 | |
| 20 | Acrolein | 56 | 1.716 | 1.716 | 0.000 | 96 | 6681 | 40.0 | 42.3 | |
| 21 | 3-Chloro-1-propene | 76 | 1.794 | 1.794 | 0.000 | 88 | 25905 | 20.0 | 19.1 | |
| 22 | Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 97 | 22036 | 200.0 | 214.1 | |
| 23 | Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 92 | 46926 | 20.0 | 18.1 | |
| 24 | Acetone | 43 | 1.880 | 1.880 | 0.000 | 86 | 50626 | 100.0 | 100.7 | |
| 25 | trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 97 | 45152 | 20.0 | 19.6 | |
| 26 | Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 51822 | 40.0 | 41.9 | |
| 27 | Hexane | 86 | 1.995 | 1.995 | 0.000 | 93 | 9205 | 20.0 | 20.2 | |
| 28 | Methyl tert-butyl ether | 73 | 2.009 | 2.009 | 0.000 | 95 | 132717 | 20.0 | 19.8 | |
| * 29 | TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 144044 | 1000.0 | 1000.0 | |
| 30 | 2-Methyl-2-propanol | 59 | 2.074 | 2.074 | 0.000 | 98 | 36134 | 200.0 | 200.3 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 98 | 40053 | 200.0 | 186.9 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 95 | 151349 | 20.0 | 19.8 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.303 | 2.303 | 0.000 | 94 | 40816 | 20.0 | 20.3 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 85528 | 20.0 | 19.9 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 92 | 136593 | 200.0 | 214.1 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 88 | 148895 | 20.0 | 20.5 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 174239 | 40.0 | 41.9 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.668 | 2.668 | 0.000 | 97 | 48747 | 20.0 | 19.1 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 64740 | 20.0 | 19.4 | |
| 40 Cyclohexane | 56 | 2.804 | 2.804 | 0.000 | 91 | 66653 | 20.0 | 20.1 | |
| 41 Chlorobromomethane | 128 | 2.804 | 2.804 | 0.000 | 89 | 22875 | 20.0 | 19.5 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 79839 | 20.0 | 19.7 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 96 | 52529 | 20.0 | 19.5 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 9472 | 40.0 | 39.0 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 92 | 35363 | 20.0 | 19.5 | |
| 46 Tetrahydrofuran | 42 | 2.976 | 2.976 | 0.000 | 93 | 28498 | 40.0 | 38.4 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 84126 | 50.0 | 49.9 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 97 | 66760 | 20.0 | 19.2 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 165548 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.091 | 3.091 | 0.000 | 99 | 23811 | 100.0 | 96.7 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 94 | 62048 | 20.0 | 18.8 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 112105 | 20.0 | 19.1 | |
| 53 n-Heptane | 57 | 3.284 | 3.284 | 0.000 | 92 | 27255 | 20.0 | 19.6 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 97 | 189641 | 20.0 | 20.0 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 95 | 50340 | 200.0 | 198.0 | |
| 56 Methacrylonitrile | 67 | 3.327 | 3.327 | 0.000 | 92 | 169184 | 200.0 | 203.6 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 106539 | 50.0 | 49.2 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 134944 | 20.0 | 20.2 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 64559 | 20.0 | 18.9 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.528 | 0.000 | 99 | 34327 | 500.0 | 481.9 | a |
| 61 t-Amyl alcohol | 59 | 3.592 | 3.592 | 0.000 | 98 | 27778 | 200.0 | 209.7 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 99 | 365963 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 79417 | 20.0 | 19.8 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 95 | 69338 | 20.0 | 19.4 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 46745 | 20.0 | 19.3 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.029 | 4.029 | 0.000 | 92 | 120656 | 20.0 | 20.4 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 96 | 28073 | 20.0 | 19.6 | |
| 68 n-Butanol | 56 | 4.158 | 4.158 | 0.000 | 88 | 22000 | 500.0 | 525.8 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 87 | 47576 | 20.0 | 19.8 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 97 | 51166 | 20.0 | 20.7 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 99 | 64037 | 20.0 | 20.1 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.516 | 4.516 | 0.000 | 0 | 14360 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 88 | 23439 | 40.0 | 42.8 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 93 | 7713 | 400.0 | 409.3 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 53747 | 20.0 | 20.7 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.939 | 4.939 | 0.000 | 95 | 28960 | 20.0 | 21.2 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.968 | 4.968 | 0.000 | 97 | 74669 | 20.0 | 20.1 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 348400 | 50.0 | 50.1 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 93 | 207158 | 20.0 | 19.9 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.247 | 0.000 | 99 | 150036 | 400.0 | 676.6 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 99 | 24584 | 40.0 | 40.6 | |
| 82 Tetrachloroethene | 166 | 5.655 | 5.655 | 0.000 | 97 | 47036 | 20.0 | 19.4 | |

| 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 | 5.691 | 5.691 | 0.000 | 97 | 188036 | 100.0 | 99.6 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.727 | 5.727 | 0.000 | 94 | 69118 | 20.0 | 21.5 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 33078 | 20.0 | 19.2 | |
| 86 Ethyl methacrylate | 69 | 5.978 | 5.978 | 0.000 | 89 | 54115 | 20.0 | 20.2 | |
| 87 Chlorodibromomethane | 129 | 6.099 | 6.099 | 0.000 | 97 | 42776 | 20.0 | 20.3 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 95 | 68848 | 20.0 | 20.6 | |
| 89 Ethylene Dibromide | 107 | 6.350 | 6.350 | 0.000 | 97 | 39264 | 20.0 | 20.9 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 60198 | 20.0 | 20.9 | |
| 91 2-Hexanone | 43 | 6.758 | 6.758 | 0.000 | 96 | 129956 | 100.0 | 103.9 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 88 | 306243 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 92 | 127994 | 20.0 | 19.6 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 71534 | 20.0 | 19.6 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 94 | 43522 | 20.0 | 20.3 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 88351 | 20.0 | 19.9 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 93 | 86777 | 20.0 | 20.3 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 94 | 26580 | 20.0 | 20.2 | |
| 99 Styrene | 104 | 8.033 | 8.033 | 0.000 | 94 | 148550 | 20.0 | 21.1 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 96 | 31900 | 20.0 | 20.5 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 221086 | 20.0 | 19.8 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.778 | 8.778 | 0.000 | 90 | 77454 | 20.0 | 21.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.807 | 8.807 | 0.000 | 89 | 108758 | 50.0 | 50.4 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 97 | 56563 | 20.0 | 20.2 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.065 | 0.000 | 99 | 269452 | 20.0 | 20.3 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.215 | 9.215 | 0.000 | 98 | 46733 | 20.0 | 21.2 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 187998 | 20.0 | 20.1 | |
| 108 4-Ethyltoluene | 105 | 9.258 | 9.258 | 0.000 | 98 | 228959 | 20.0 | 20.0 | |
| 109 1,2,3-Trichloropropane | 110 | 9.351 | 9.351 | 0.000 | 97 | 13820 | 20.0 | 18.9 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 92 | 197415 | 20.0 | 19.7 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.480 | 9.480 | 0.000 | 90 | 14533 | 20.0 | 20.3 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 99 | 174005 | 20.0 | 20.8 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 160909 | 20.0 | 20.0 | |
| 115 Butyl Methacrylate | 87 | 10.010 | 10.010 | 0.000 | 58 | 68609 | 20.0 | 20.1 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 95 | 204819 | 20.0 | 20.0 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 243358 | 20.0 | 19.8 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.440 | 0.000 | 96 | 108693 | 20.0 | 20.0 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 209916 | 20.0 | 19.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 173837 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 94 | 112290 | 20.0 | 19.4 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 213839 | 20.0 | 20.6 | |
| 122 2,3-Dihydroindene | 117 | 10.877 | 10.877 | 0.000 | 94 | 210034 | 20.0 | 20.5 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 98 | 19153 | 20.0 | 21.3 | |
| 124 p-Diethylbenzene | 119 | 11.063 | 11.063 | 0.000 | 93 | 110680 | 20.0 | 20.0 | |
| 125 n-Butylbenzene | 91 | 11.149 | 11.149 | 0.000 | 98 | 192517 | 20.0 | 20.0 | |
| 126 1,2-Dichlorobenzene | 146 | 11.250 | 11.250 | 0.000 | 95 | 103510 | 20.0 | 20.2 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 201742 | 20.0 | 20.5 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.310 | 12.310 | 0.000 | 93 | 9262 | 20.0 | 20.6 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 79538 | 20.0 | 19.9 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 94 | 68331 | 20.0 | 18.9 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 96 | 30689 | 20.0 | 19.2 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 140836 | 20.0 | 19.5 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 96 | 60071 | 20.0 | 19.6 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.7 | |

| 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 | 41.6 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 40.2 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 99.8 | |

## QC Flag Legend

Review Flags

a - User Assigned ID

## Reagents:

| | | | | | |
|---|---|---|---|---|---|
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | | |
| Ethanol mix_00020 | Amount Added: | 2.00 | Units: uL | | |
| MIX I Hi_00098 | Amount Added: | 2.00 | Units: uL | | |
| MIX 2 Hi_00075 | Amount Added: | 2.00 | Units: uL | | |
| GAS Hi_00274 | Amount Added: | 2.00 | Units: uL | | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent | |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent | |

Report Date: 08-Oct-2018 15:05:54 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51407.D

Injection Date: 05-Oct-2018 19:53:30 Instrument ID: CVOAMS13 Operator ID:

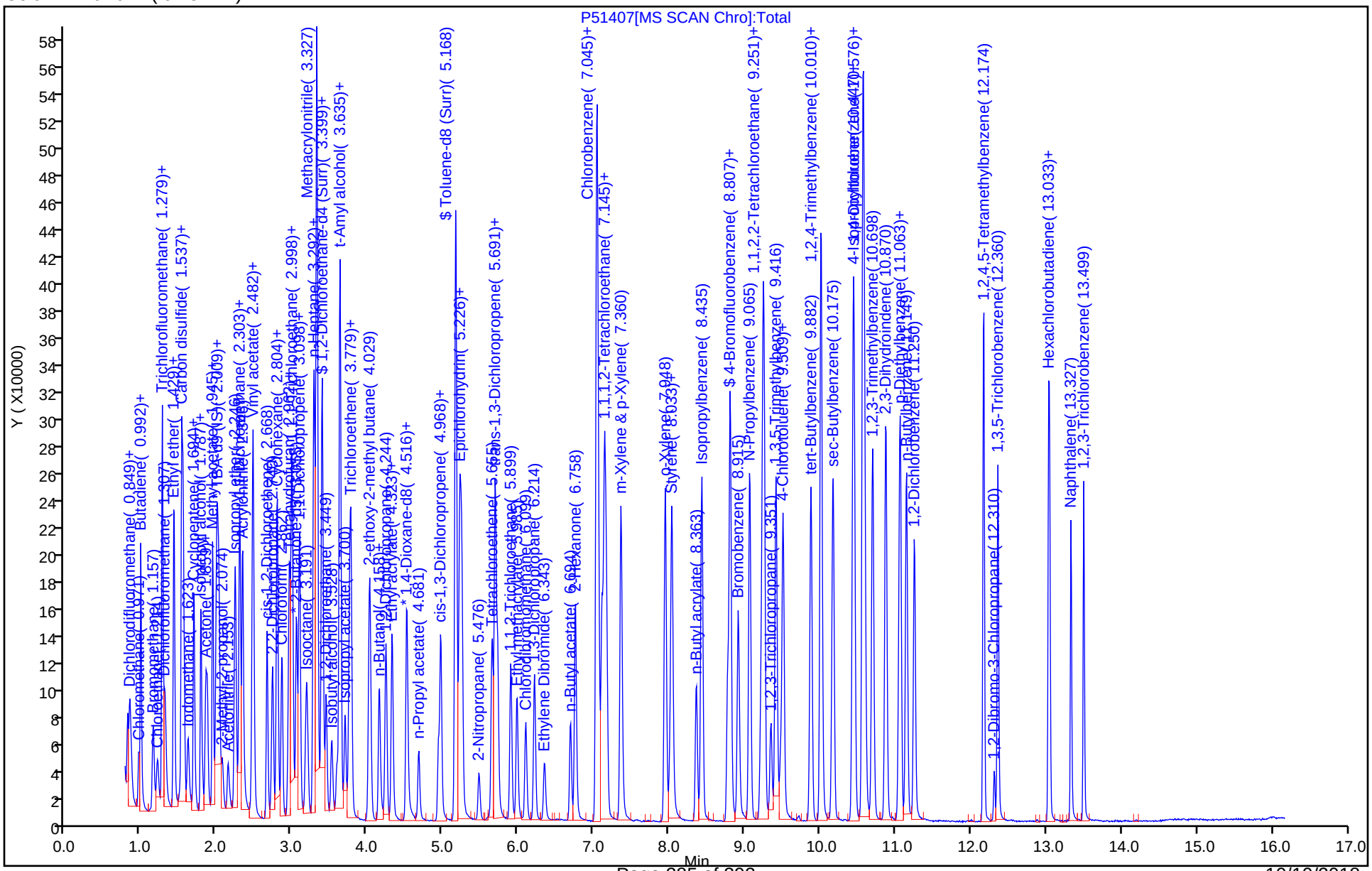
Lims ID: STD20 Worklist Smp#: 6

Client ID:

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

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

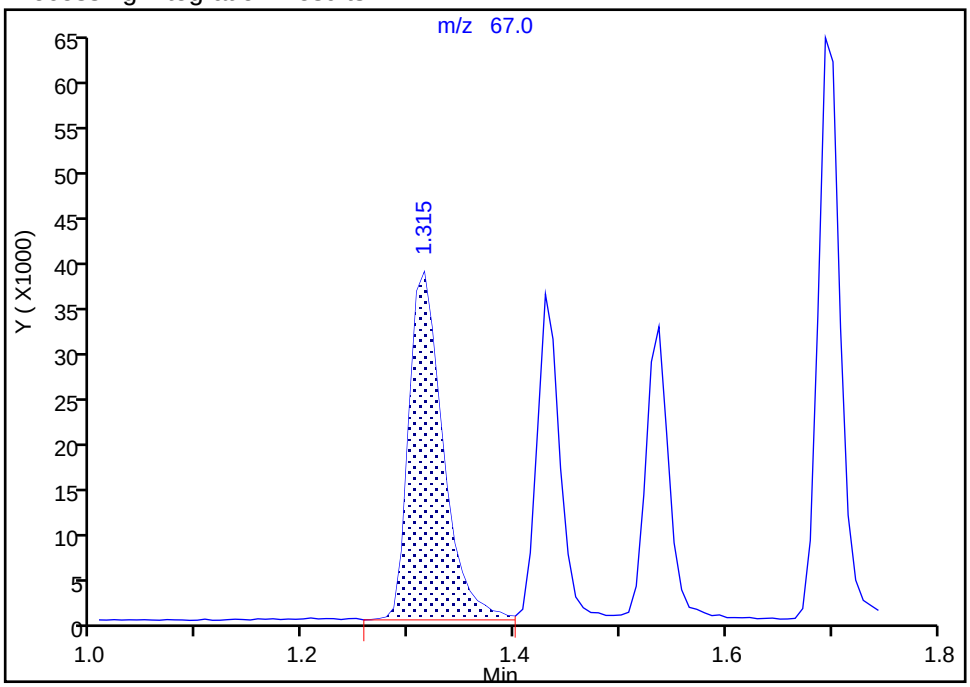
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51407.D | | | | |
| Injection Date: | 05-Oct-2018 19:53:30 | Instrument ID: | CVOAMS13 | | |
| Lims ID: | STD20 | | | | |
| Client ID: | | | | | |
| Operator ID: | | ALS Bottle#: | 5 | Worklist Smp#: | 6 |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | | |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |
| Column: | Rtx-624 ( 0.25 mm) | Detector | MS SCAN | | |

## 11 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

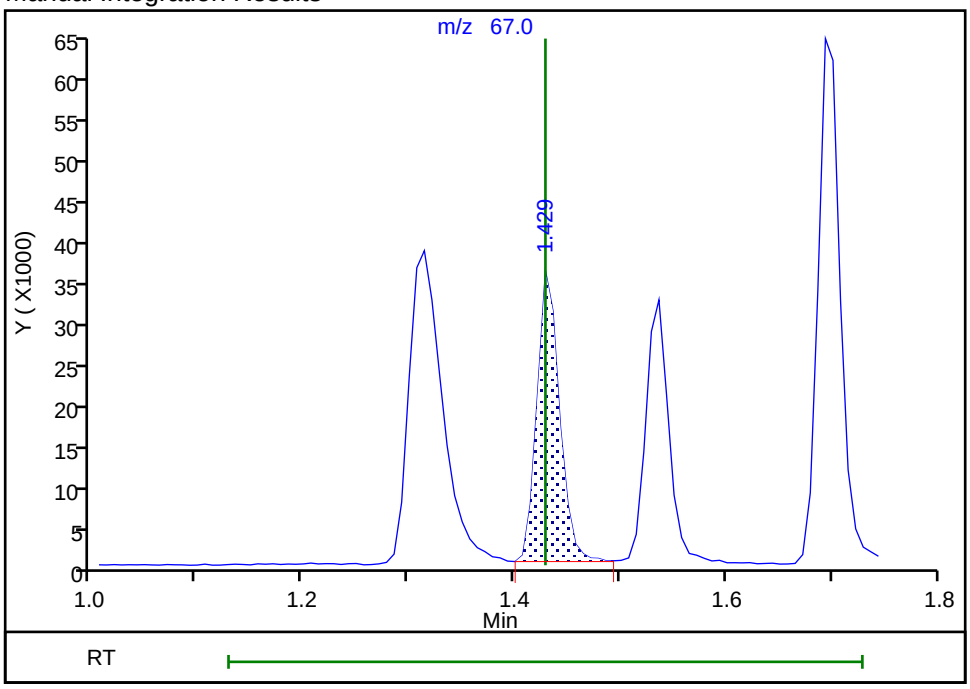
Processing Integration Results

RT: 1.31
Area: 85963
Amount: 29.313568
Amount Units: ug/l




Manual Integration Results

RT: 1.43
Area: 52413
Amount: 18.245450
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:42:31

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

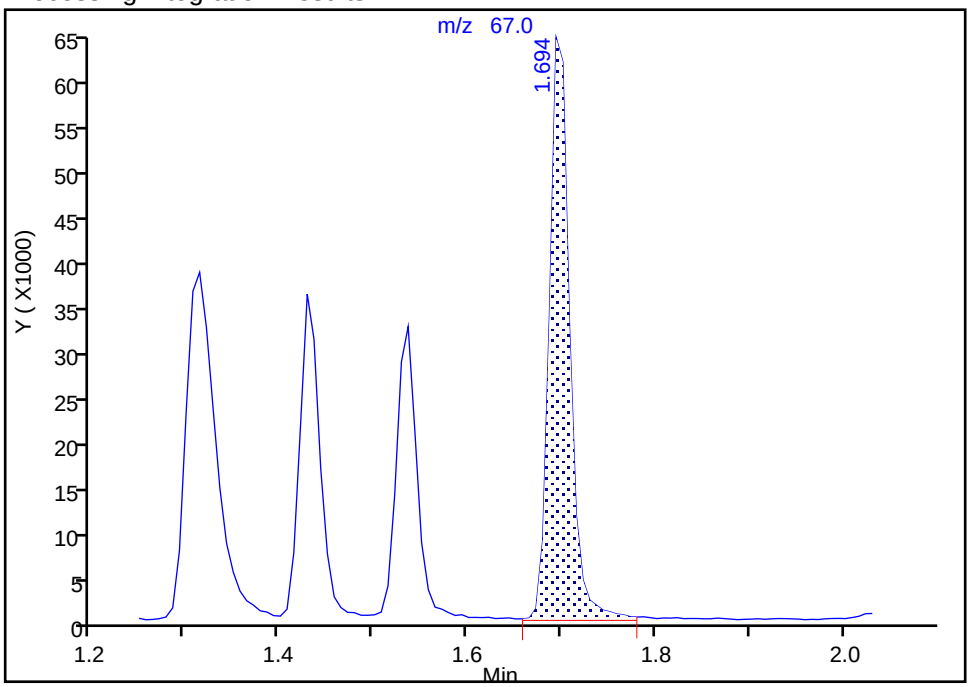
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51407.D
Injection Date: 05-Oct-2018 19:53:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 15 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

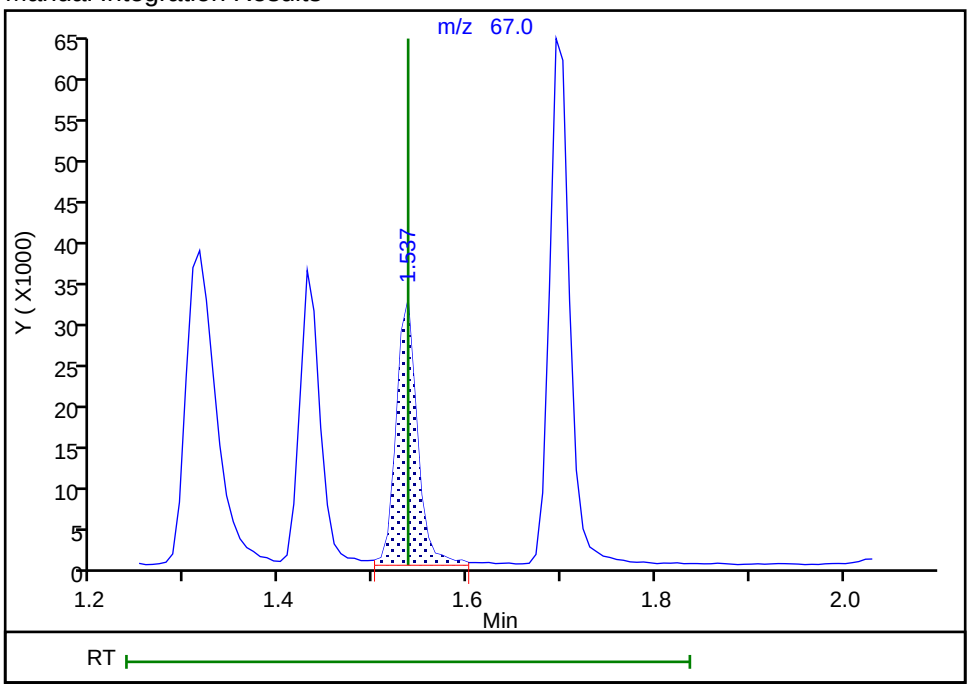
Processing Integration Results

RT: 1.69
Area: 97138
Amount: 28.814264
Amount Units: ug/l




Manual Integration Results

RT: 1.54
Area: 50616
Amount: 18.553002
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:42:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

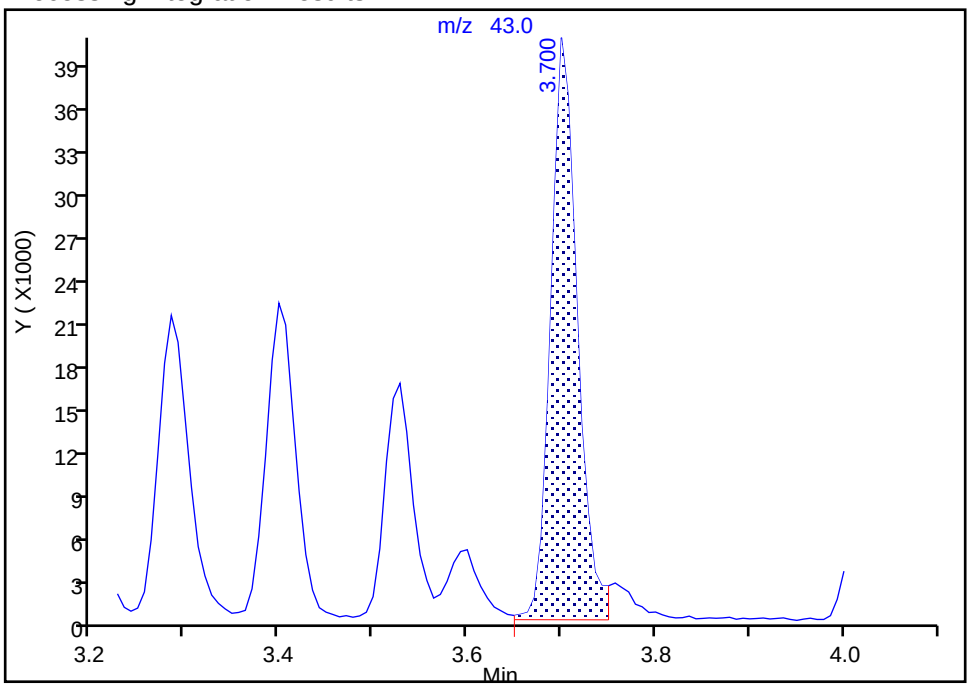
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51407.D
Injection Date: 05-Oct-2018 19:53:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 60 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

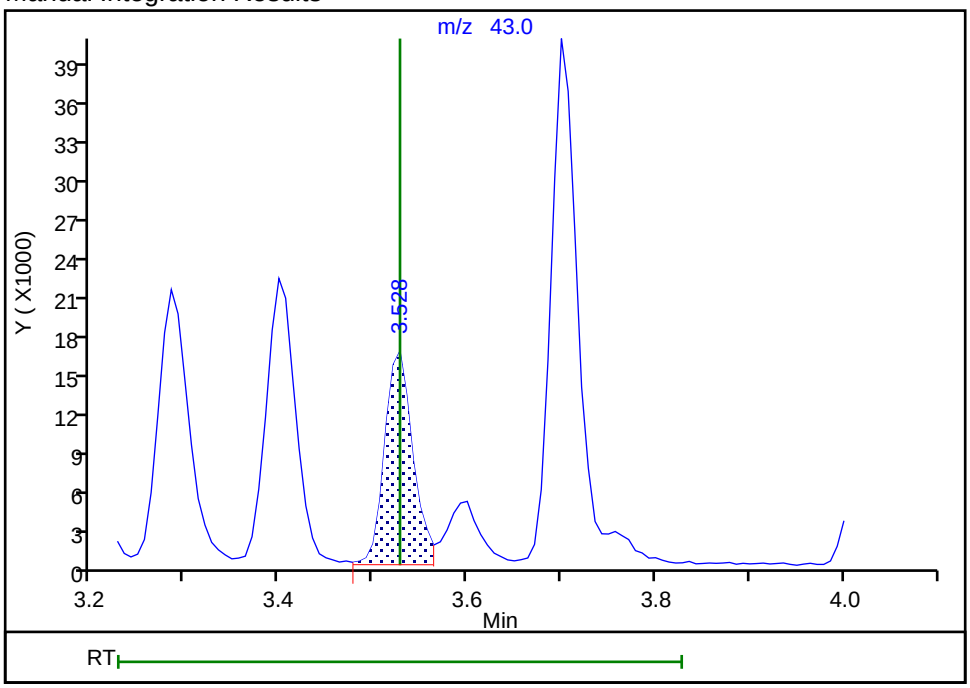
Processing Integration Results

RT: 3.70
Area: 79417
Amount: 508.8607
Amount Units: ug/l




Manual Integration Results

RT: 3.53
Area: 34327
Amount: 481.8770
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:22:21
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51408.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Oct-2018 20:19:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0079797-007
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:06:03 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: boykink Date: 05-Oct-2018 20:05:39

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 90 | 36261 | 50.0 | 42.9 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 81802 | 50.0 | 36.1 | |
| 3 Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 100 | 106960 | 50.0 | 47.9 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 75 | 110316 | 50.0 | 46.6 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 87251 | 50.0 | 43.8 | |
| 6 Bromomethane | 94 | 1.157 | 1.157 | 0.000 | 99 | 98285 | 50.0 | 49.2 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 99 | 91486 | 50.0 | 52.2 | |
| 8 Trichlorofluoromethane | 101 | 1.272 | 1.279 | -0.007 | 99 | 146398 | 50.0 | 47.7 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 95 | 28488 | 100.0 | 94.3 | |
| 10 Dichlorofluoromethane | 67 | 1.315 | 1.315 | 0.000 | 99 | 217082 | 50.0 | 50.8 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 98 | 128983 | 50.0 | 44.4 | a |
| 12 Ethyl ether | 59 | 1.437 | 1.436 | 0.001 | 94 | 90208 | 50.0 | 47.6 | |
| 13 Ethanol | 46 | 1.515 | 1.515 | 0.000 | 99 | 16896 | 2000.0 | 2094.5 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.530 | 1.537 | -0.007 | 81 | 127533 | 50.0 | 46.2 | a |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 98 | 94171 | 50.0 | 46.8 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 331158 | 50.0 | 46.4 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.565 | -0.007 | 96 | 81471 | 50.0 | 45.5 | |
| 18 Iodomethane | 142 | 1.616 | 1.623 | -0.007 | 98 | 164105 | 50.0 | 50.9 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 237544 | 50.0 | 47.0 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 94 | 16022 | 100.0 | 100.7 | |
| 21 3-Chloro-1-propene | 76 | 1.788 | 1.794 | -0.006 | 88 | 66775 | 50.0 | 48.5 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 97 | 51437 | 500.0 | 508.9 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 93 | 116578 | 50.0 | 44.6 | |
| 24 Acetone | 43 | 1.873 | 1.880 | -0.007 | 86 | 120328 | 250.0 | 242.7 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 113584 | 50.0 | 48.7 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 100 | 128914 | 100.0 | 103.0 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 93 | 20010 | 50.0 | 43.4 | |
| 28 Methyl tert-butyl ether | 73 | 2.010 | 2.009 | 0.001 | 95 | 334757 | 50.0 | 49.5 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 141856 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.074 | 2.074 | 0.000 | 99 | 87691 | 500.0 | 498.2 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 99 | 98949 | 500.0 | 468.8 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 95 | 373117 | 50.0 | 48.2 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.303 | 2.303 | 0.000 | 94 | 100223 | 50.0 | 49.2 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 212343 | 50.0 | 48.9 | |
| 35 Acrylonitrile | 53 | 2.339 | 2.346 | -0.007 | 92 | 333005 | 500.0 | 509.6 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 88 | 372565 | 50.0 | 50.7 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 404883 | 100.0 | 96.3 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.668 | 0.001 | 97 | 123048 | 50.0 | 47.7 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 161160 | 50.0 | 47.8 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.804 | 0.001 | 93 | 57050 | 50.0 | 48.1 | |
| 40 Cyclohexane | 56 | 2.805 | 2.804 | 0.001 | 91 | 155680 | 50.0 | 46.3 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 201248 | 50.0 | 49.1 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 96 | 131906 | 50.0 | 48.5 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 23657 | 100.0 | 97.5 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 88 | 86503 | 50.0 | 47.1 | |
| 46 Tetrahydrofuran | 42 | 2.977 | 2.976 | 0.001 | 93 | 72003 | 100.0 | 97.2 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.991 | 2.998 | -0.007 | 96 | 85313 | 50.0 | 50.0 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 97 | 167214 | 50.0 | 47.5 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 165191 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.091 | 3.091 | 0.000 | 100 | 59029 | 250.0 | 240.3 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 95 | 151363 | 50.0 | 45.4 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 250337 | 50.0 | 42.2 | |
| 53 n-Heptane | 57 | 3.285 | 3.284 | 0.001 | 83 | 59732 | 50.0 | 42.4 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 96 | 467626 | 50.0 | 49.0 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 97 | 126462 | 500.0 | 505.2 | |
| 56 Methacrylonitrile | 67 | 3.328 | 3.327 | 0.001 | 92 | 422481 | 500.0 | 502.5 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.399 | -0.007 | 0 | 109865 | 50.0 | 50.1 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 333846 | 50.0 | 49.5 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 160097 | 50.0 | 46.3 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.528 | 0.000 | 98 | 85627 | 1250.0 | 1220.6 | |
| 61 t-Amyl alcohol | 59 | 3.600 | 3.592 | 0.008 | 98 | 64674 | 500.0 | 499.5 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.635 | 0.001 | 99 | 370231 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 192951 | 50.0 | 47.6 | |
| 64 Methylcyclohexane | 83 | 3.765 | 3.764 | 0.001 | 95 | 161417 | 50.0 | 44.7 | |
| 65 Trichloroethene | 130 | 3.786 | 3.779 | 0.007 | 98 | 120733 | 50.0 | 49.3 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.030 | 4.029 | 0.001 | 92 | 304669 | 50.0 | 50.9 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 96 | 70180 | 50.0 | 48.5 | |
| 68 n-Butanol | 56 | 4.158 | 4.158 | 0.000 | 89 | 55719 | 1250.0 | 1352.1 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 86 | 117822 | 50.0 | 48.5 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 161162 | 50.0 | 50.1 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 97 | 129501 | 50.0 | 51.7 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.516 | -0.007 | 0 | 14625 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.517 | 4.524 | -0.007 | 88 | 56970 | 100.0 | 102.9 | |
| 74 1,4-Dioxane | 88 | 4.545 | 4.538 | 0.007 | 96 | 19209 | 1000.0 | 1000.9 | |
| 75 n-Propyl acetate | 43 | 4.674 | 4.681 | -0.007 | 99 | 136409 | 50.0 | 52.0 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.939 | 4.939 | 0.000 | 96 | 72094 | 50.0 | 52.1 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.968 | 4.968 | 0.000 | 97 | 188399 | 50.0 | 50.3 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 352155 | 50.0 | 50.2 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 93 | 516174 | 50.0 | 49.2 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.247 | 0.000 | 99 | 379247 | 1000.0 | 1732.2 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 99 | 60043 | 100.0 | 98.0 | |
| 82 Tetrachloroethene | 166 | 5.648 | 5.655 | -0.007 | 98 | 118329 | 50.0 | 48.5 | |

| 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 | 5.691 | 5.691 | 0.000 | 97 | 465792 | 250.0 | 247.3 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.727 | 5.727 | 0.000 | 96 | 175351 | 50.0 | 54.1 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 83377 | 50.0 | 48.0 | |
| 86 Ethyl methacrylate | 69 | 5.978 | 5.978 | 0.000 | 89 | 140244 | 50.0 | 51.7 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.099 | 0.001 | 98 | 111498 | 50.0 | 52.6 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 95 | 172549 | 50.0 | 51.3 | |
| 89 Ethylene Dibromide | 107 | 6.343 | 6.350 | -0.007 | 99 | 98352 | 50.0 | 51.9 | |
| 90 n-Butyl acetate | 43 | 6.687 | 6.694 | -0.007 | 98 | 152761 | 50.0 | 52.6 | |
| 91 2-Hexanone | 43 | 6.752 | 6.758 | -0.006 | 97 | 317823 | 250.0 | 254.7 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 308633 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.060 | 7.059 | 0.001 | 93 | 320627 | 50.0 | 48.7 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 180737 | 50.0 | 49.2 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 93 | 112726 | 50.0 | 52.1 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 223150 | 50.0 | 49.9 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 218515 | 50.0 | 50.7 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 94 | 69016 | 50.0 | 52.0 | |
| 99 Styrene | 104 | 8.034 | 8.033 | 0.001 | 94 | 376376 | 50.0 | 53.0 | |
| 100 n-Butyl acrylate | 73 | 8.356 | 8.363 | -0.007 | 96 | 82237 | 50.0 | 52.5 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 563525 | 50.0 | 50.1 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.771 | 8.778 | -0.007 | 90 | 194112 | 50.0 | 51.7 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 88 | 110738 | 50.0 | 50.9 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 97 | 143072 | 50.0 | 50.1 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.065 | 0.000 | 99 | 681753 | 50.0 | 50.4 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.216 | 9.215 | 0.001 | 98 | 115325 | 50.0 | 51.0 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 472572 | 50.0 | 49.5 | |
| 108 4-Ethyltoluene | 105 | 9.259 | 9.258 | 0.001 | 97 | 581008 | 50.0 | 49.8 | |
| 109 1,2,3-Trichloropropane | 110 | 9.352 | 9.351 | 0.001 | 97 | 35244 | 50.0 | 47.4 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 495756 | 50.0 | 48.5 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.473 | 9.480 | -0.007 | 90 | 38276 | 50.0 | 52.5 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 98 | 436793 | 50.0 | 51.2 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 409367 | 50.0 | 49.9 | |
| 115 Butyl Methacrylate | 87 | 10.011 | 10.010 | 0.001 | 59 | 176719 | 50.0 | 50.7 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.011 | 10.018 | -0.007 | 95 | 514312 | 50.0 | 49.3 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 98 | 611615 | 50.0 | 48.7 | |
| 117 1,3-Dichlorobenzene | 146 | 10.433 | 10.440 | -0.007 | 95 | 276232 | 50.0 | 49.8 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 532273 | 50.0 | 49.4 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 177228 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 94 | 281785 | 50.0 | 47.8 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 534839 | 50.0 | 50.4 | |
| 122 2,3-Dihydroindene | 117 | 10.870 | 10.877 | -0.007 | 94 | 524105 | 50.0 | 50.1 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 97 | 48517 | 50.0 | 53.0 | |
| 124 p-Diethylbenzene | 119 | 11.064 | 11.063 | 0.001 | 94 | 284207 | 50.0 | 50.5 | |
| 125 n-Butylbenzene | 91 | 11.150 | 11.149 | 0.001 | 98 | 489478 | 50.0 | 49.9 | |
| 126 1,2-Dichlorobenzene | 146 | 11.250 | 11.250 | 0.000 | 96 | 265481 | 50.0 | 50.9 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.167 | 12.174 | -0.007 | 97 | 504180 | 50.0 | 50.2 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.310 | 12.310 | 0.000 | 95 | 23504 | 50.0 | 51.4 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 204209 | 50.0 | 50.0 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.034 | 13.033 | 0.001 | 93 | 177601 | 50.0 | 48.3 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 95 | 78448 | 50.0 | 48.1 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 359956 | 50.0 | 48.9 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 96 | 152644 | 50.0 | 48.7 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 100.0 | 96.4 | |

| 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 | | 100.0 | 104.4 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 100.0 | 100.7 | |
| S 137 Total BTEX | 1 | | | | 0 | | 250.0 | 248.1 | |

## QC Flag Legend

Review Flags

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| ACROLEIN W_00081 | Amount Added: | 10.00 | Units: uL | |
| Ethanol mix_00020 | Amount Added: | 5.00 | Units: uL | |
| MIX I Hi_00098 | Amount Added: | 5.00 | Units: uL | |
| MIX 2 Hi_00075 | Amount Added: | 5.00 | Units: uL | |
| GAS Hi_00274 | Amount Added: | 5.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 08-Oct-2018 15:06:09 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51408.D

Injection Date: 05-Oct-2018 20:19:30 Instrument ID: CVOAMS13 Operator ID:

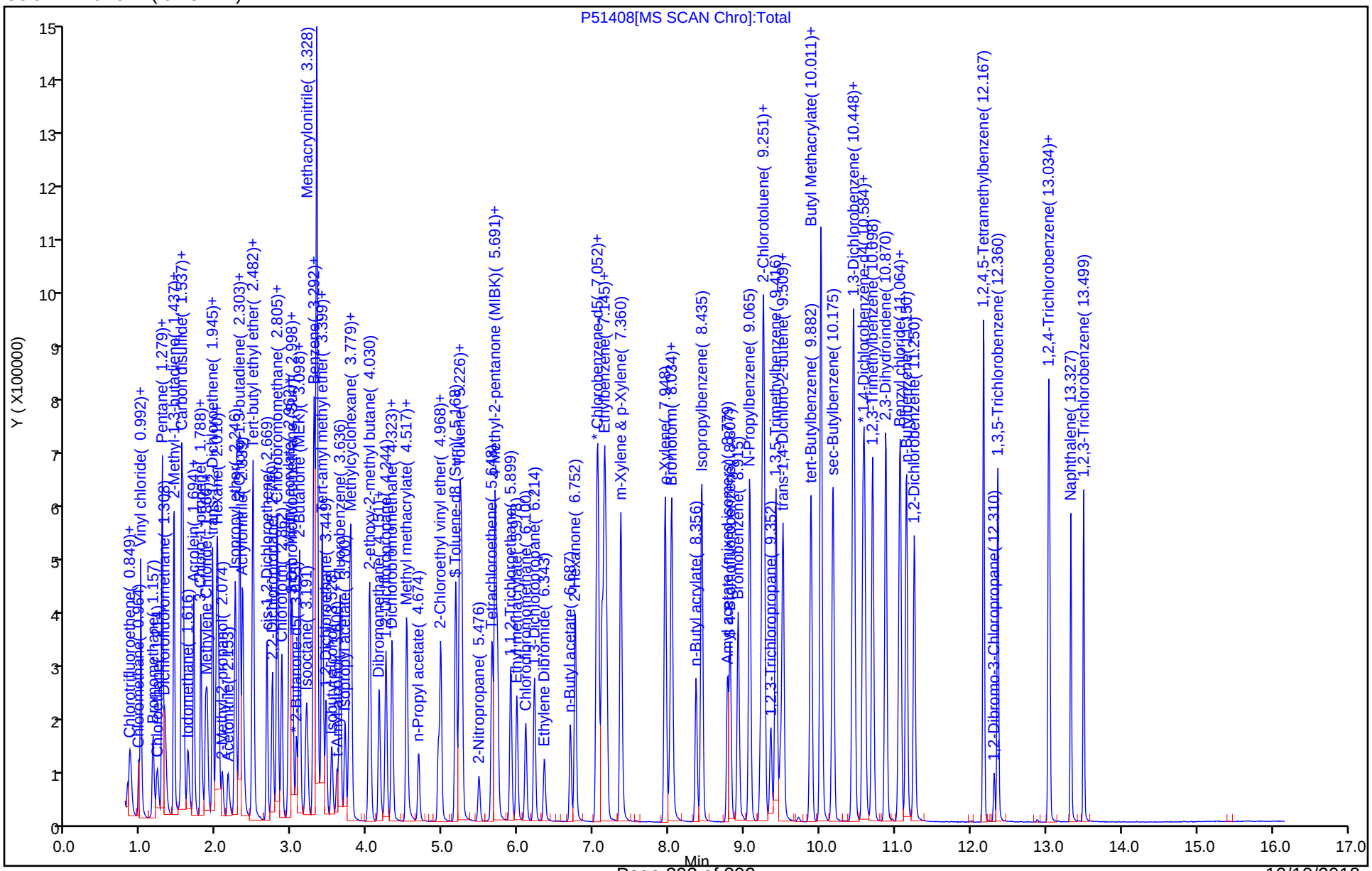
Lims ID: STD50 Worklist Smp#: 7

Client ID:

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

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

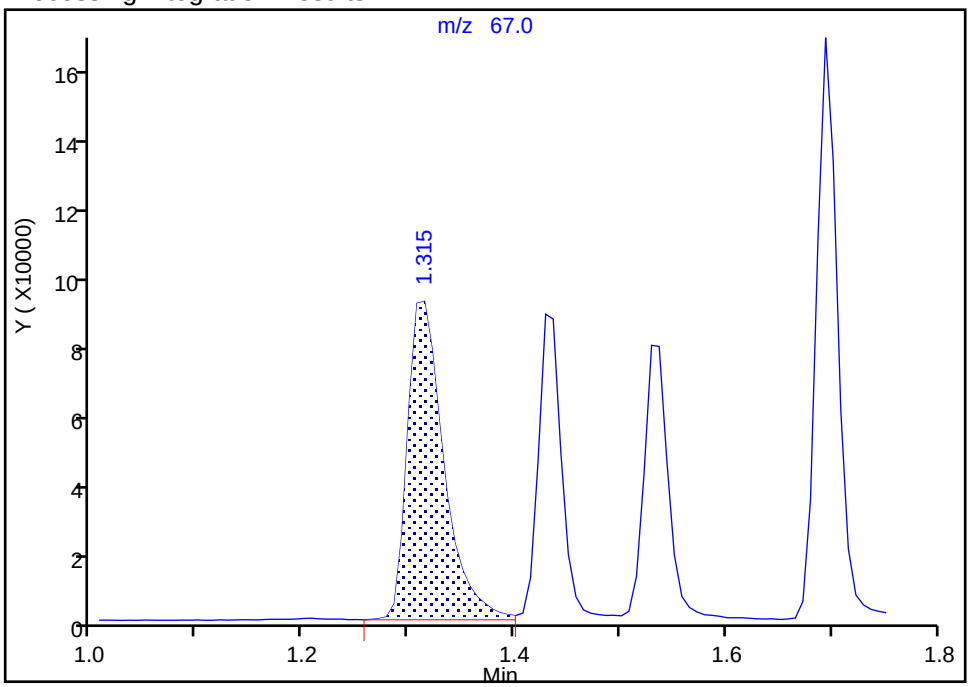
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51408.D
Injection Date: 05-Oct-2018 20:19:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

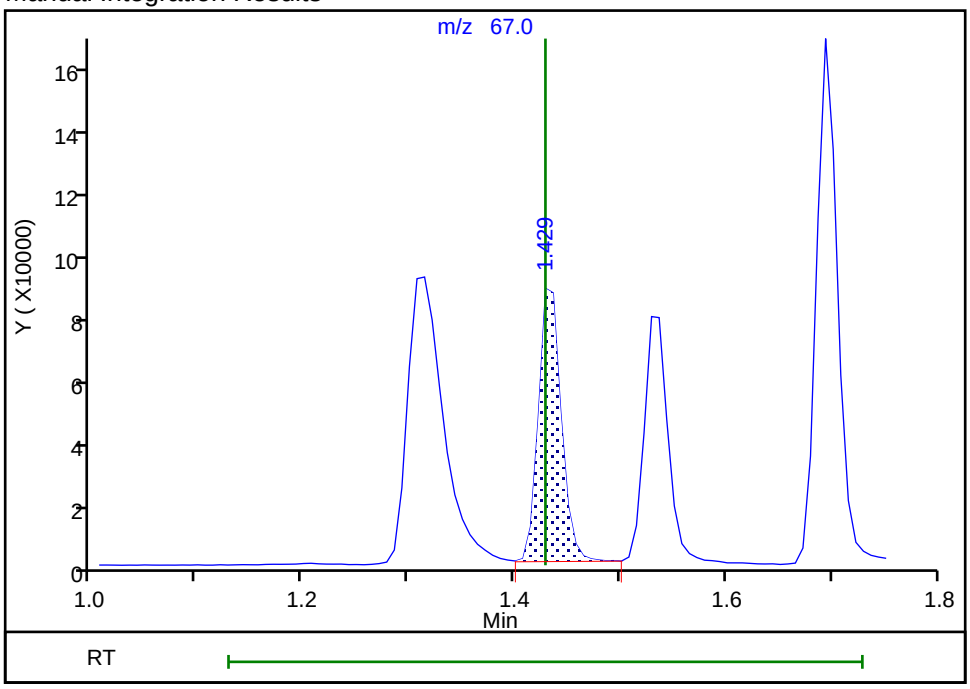
Processing Integration Results

RT: 1.31
Area: 217082
Amount: 74.058591
Amount Units: ug/l




Manual Integration Results

RT: 1.43
Area: 128983
Amount: 44.382568
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:43:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

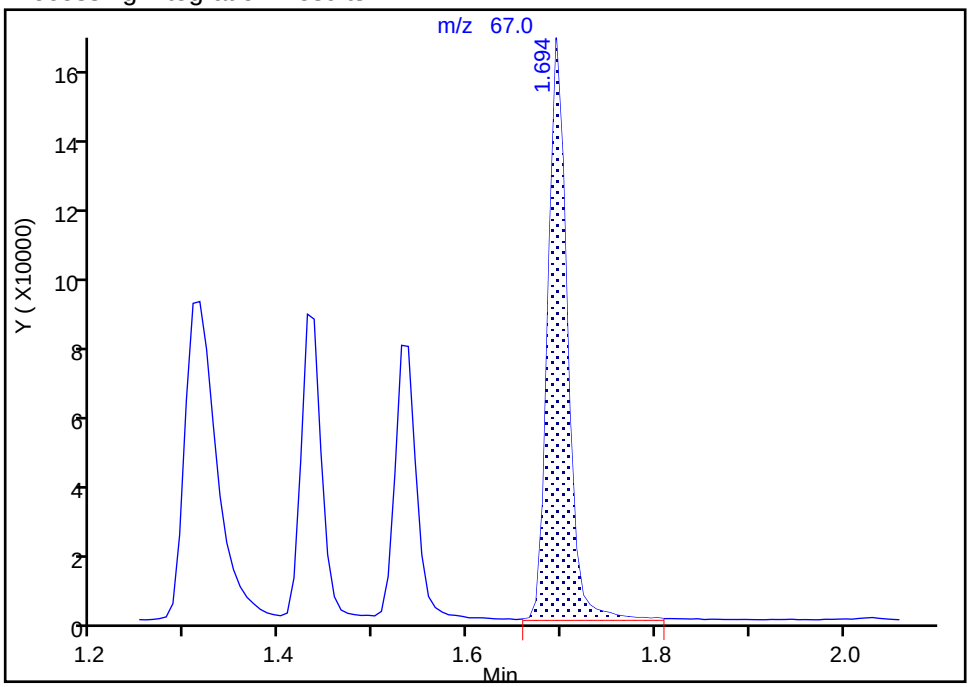
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51408.D
Injection Date: 05-Oct-2018 20:19:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 15 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

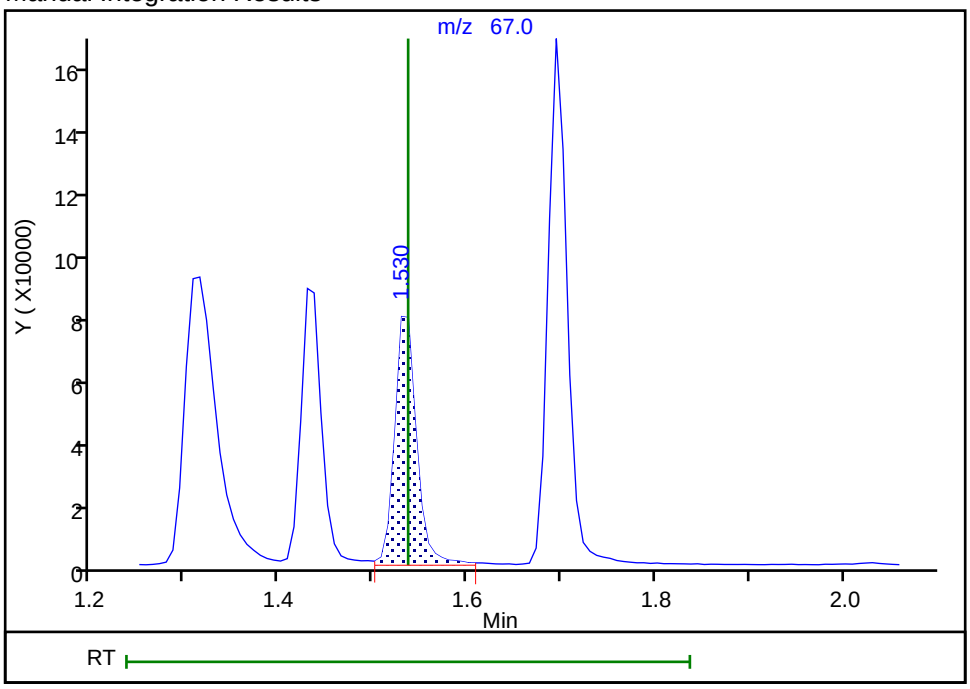
Processing Integration Results

RT: 1.69
Area: 237544
Amount: 96.983135
Amount Units: ug/l




Manual Integration Results

RT: 1.53
Area: 127533
Amount: 46.207592
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:43:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51409.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Oct-2018 20:45:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0079797-008
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:06:21 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: boykink Date: 05-Oct-2018 20:07:20

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 91 | 128342 | 200.0 | 147.0 | |
| 2 Dichlorodifluoromethane | 85 | 0.863 | 0.856 | 0.007 | 99 | 459301 | 200.0 | 196.1 | |
| 3 Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 100 | 500624 | 200.0 | 217.0 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 94 | 449126 | 200.0 | 218.3 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 91 | 519883 | 200.0 | 212.6 | |
| 6 Bromomethane | 94 | 1.157 | 1.157 | 0.000 | 99 | 443381 | 200.0 | 222.6 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 100 | 381617 | 200.0 | 211.2 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 95 | 139291 | 400.0 | 461.9 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 99 | 653613 | 200.0 | 206.3 | |
| 10 Dichlorofluoromethane | 67 | 1.315 | 1.315 | 0.000 | 98 | 871869 | 200.0 | 197.8 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 97 | 579623 | 200.0 | 193.1 | a |
| 12 Ethyl ether | 59 | 1.437 | 1.436 | 0.000 | 95 | 403738 | 200.0 | 206.4 | |
| 13 Ethanol | 46 | 1.508 | 1.515 | -0.007 | 97 | 65952 | 8000.0 | 7950.0 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 99 | 371959 | 200.0 | 179.1 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 83 | 482194 | 200.0 | 169.2 | a |
| 16 Carbon disulfide | 76 | 1.558 | 1.551 | 0.007 | 100 | 1353951 | 200.0 | 183.6 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.565 | -0.007 | 80 | 276058 | 200.0 | 149.2 | |
| 18 Iodomethane | 142 | 1.616 | 1.623 | -0.007 | 98 | 732462 | 200.0 | 219.9 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 97 | 1019581 | 200.0 | 195.2 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 96 | 35040 | 200.0 | 204.0 | |
| 21 3-Chloro-1-propene | 76 | 1.787 | 1.794 | -0.007 | 89 | 276238 | 200.0 | 194.5 | |
| 22 Isopropyl alcohol | 45 | 1.809 | 1.816 | -0.007 | 97 | 199029 | 2000.0 | 1994.2 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 93 | 504084 | 200.0 | 186.6 | |
| 24 Acetone | 43 | 1.881 | 1.880 | 0.001 | 86 | 527978 | 1000.0 | 1060.0 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 97 | 465299 | 200.0 | 193.2 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 505162 | 400.0 | 390.7 | |
| 27 Hexane | 86 | 2.002 | 1.995 | 0.007 | 88 | 72783 | 200.0 | 152.8 | |
| 28 Methyl tert-butyl ether | 73 | 2.010 | 2.009 | 0.001 | 94 | 1429376 | 200.0 | 204.5 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 142236 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.074 | 2.074 | 0.000 | 98 | 353290 | 2000.0 | 2027.6 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.146 | 2.153 | -0.007 | 98 | 405000 | 2000.0 | 1913.8 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 95 | 1573744 | 200.0 | 197.0 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.303 | 2.303 | 0.000 | 94 | 405058 | 200.0 | 192.5 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 900206 | 200.0 | 200.6 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 94 | 1461132 | 2000.0 | 2017.6 | |
| 36 Tert-butyl ethyl ether | 59 | 2.482 | 2.475 | 0.007 | 65 | 1604882 | 200.0 | 211.6 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 1847251 | 400.0 | 425.3 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.668 | 0.001 | 97 | 540986 | 200.0 | 203.0 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 621047 | 200.0 | 178.4 | |
| 40 Cyclohexane | 56 | 2.805 | 2.804 | 0.001 | 92 | 549124 | 200.0 | 158.3 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.804 | 0.001 | 92 | 254419 | 200.0 | 207.8 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 846374 | 200.0 | 200.1 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 97 | 511292 | 200.0 | 181.9 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 92696 | 400.0 | 383.6 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 89 | 365784 | 200.0 | 192.8 | |
| 46 Tetrahydrofuran | 42 | 2.969 | 2.976 | -0.007 | 93 | 308941 | 400.0 | 418.6 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 88903 | 50.0 | 50.5 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 98 | 655072 | 200.0 | 180.2 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 164588 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.091 | 3.091 | 0.000 | 99 | 259759 | 1000.0 | 1061.3 | |
| 51 1,1-Dichloropropene | 75 | 3.105 | 3.098 | 0.007 | 93 | 582679 | 200.0 | 169.4 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 1134810 | 200.0 | 185.2 | |
| 53 n-Heptane | 57 | 3.292 | 3.284 | 0.008 | 84 | 244509 | 200.0 | 167.9 | |
| 54 Benzene | 78 | 3.292 | 3.292 | 0.000 | 97 | 1982819 | 200.0 | 200.4 | |
| 55 Propionitrile | 54 | 3.313 | 3.306 | 0.007 | 98 | 540983 | 2000.0 | 2155.4 | |
| 56 Methacrylonitrile | 67 | 3.335 | 3.327 | 0.008 | 92 | 1809355 | 2000.0 | 2084.1 | |
| 58 Tert-amyl methyl ether | 73 | 3.406 | 3.399 | 0.007 | 98 | 1418473 | 200.0 | 203.6 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 115852 | 50.0 | 51.2 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 690822 | 200.0 | 193.3 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.528 | 0.000 | 99 | 351804 | 5000.0 | 5001.3 | |
| 61 t-Amyl alcohol | 59 | 3.600 | 3.592 | 0.008 | 98 | 260209 | 2000.0 | 2025.5 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.635 | 0.001 | 99 | 382306 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 790452 | 200.0 | 188.9 | |
| 64 Methylcyclohexane | 83 | 3.772 | 3.764 | 0.008 | 95 | 578306 | 200.0 | 155.2 | |
| 65 Trichloroethene | 130 | 3.786 | 3.779 | 0.007 | 98 | 492955 | 200.0 | 194.7 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.030 | 4.029 | 0.001 | 92 | 1254602 | 200.0 | 203.1 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 97 | 311348 | 200.0 | 208.4 | |
| 68 n-Butanol | 56 | 4.158 | 4.158 | 0.000 | 89 | 221007 | 5000.0 | 5348.8 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 86 | 504057 | 200.0 | 201.1 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 98 | 540669 | 200.0 | 209.0 | |
| 70 Dichlorobromomethane | 83 | 4.330 | 4.323 | 0.007 | 99 | 698086 | 200.0 | 210.1 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.517 | 4.516 | 0.001 | 0 | 14091 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.517 | 4.524 | -0.007 | 88 | 239038 | 400.0 | 418.1 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 96 | 76953 | 4000.0 | 4161.5 | |
| 75 n-Propyl acetate | 43 | 4.674 | 4.681 | -0.007 | 99 | 555110 | 200.0 | 204.9 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.939 | 4.939 | 0.000 | 96 | 301405 | 200.0 | 211.1 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.975 | 4.968 | 0.007 | 97 | 814167 | 200.0 | 209.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 359045 | 50.0 | 49.4 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 93 | 2113864 | 200.0 | 194.4 | |
| 80 Epichlorohydrin | 57 | 5.254 | 5.247 | 0.007 | 99 | 782917 | 4000.0 | 3660.8 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 99 | 248910 | 400.0 | 393.6 | |
| 82 Tetrachloroethene | 166 | 5.656 | 5.655 | 0.001 | 99 | 456870 | 200.0 | 180.5 | |

| 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 | 5.699 | 5.691 | 0.007 | 97 | 1963270 | 1000.0 | 1046.3 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.727 | 5.727 | 0.000 | 96 | 758822 | 200.0 | 225.6 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 355166 | 200.0 | 197.1 | |
| 86 Ethyl methacrylate | 69 | 5.978 | 5.978 | 0.000 | 89 | 597036 | 200.0 | 213.2 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.099 | 0.001 | 98 | 485603 | 200.0 | 220.8 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 94 | 733387 | 200.0 | 210.4 | |
| 89 Ethylene Dibromide | 107 | 6.343 | 6.350 | -0.007 | 98 | 426141 | 200.0 | 216.9 | |
| 90 n-Butyl acetate | 43 | 6.687 | 6.694 | -0.007 | 98 | 620454 | 200.0 | 206.2 | |
| 91 2-Hexanone | 43 | 6.751 | 6.758 | -0.007 | 96 | 1352871 | 1000.0 | 1088.0 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 320029 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 92 | 1333765 | 200.0 | 195.4 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 737182 | 200.0 | 193.5 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.174 | 7.167 | 0.007 | 94 | 479672 | 200.0 | 213.6 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 898924 | 200.0 | 193.9 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 897885 | 200.0 | 201.1 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 95 | 314051 | 200.0 | 228.1 | |
| 99 Styrene | 104 | 8.034 | 8.033 | 0.001 | 94 | 1597369 | 200.0 | 216.8 | |
| 100 n-Butyl acrylate | 73 | 8.356 | 8.363 | -0.007 | 96 | 341442 | 200.0 | 210.3 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 97 | 2207279 | 200.0 | 189.3 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.771 | 8.778 | -0.007 | 90 | 781892 | 200.0 | 199.1 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 88 | 114430 | 50.0 | 50.8 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 97 | 607945 | 200.0 | 203.5 | |
| 105 N-Propylbenzene | 91 | 9.072 | 9.065 | 0.007 | 99 | 2666726 | 200.0 | 188.5 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.216 | 9.215 | 0.001 | 98 | 498109 | 200.0 | 200.6 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 1965718 | 200.0 | 197.0 | |
| 108 4-Ethyltoluene | 105 | 9.259 | 9.258 | 0.001 | 98 | 2325840 | 200.0 | 190.6 | |
| 109 1,2,3-Trichloropropane | 110 | 9.352 | 9.351 | 0.001 | 97 | 147112 | 200.0 | 189.2 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.423 | 9.416 | 0.007 | 93 | 1981653 | 200.0 | 185.5 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.473 | 9.480 | -0.007 | 92 | 164796 | 200.0 | 204.6 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 99 | 1792542 | 200.0 | 201.0 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 1577562 | 200.0 | 184.0 | |
| 115 Butyl Methacrylate | 87 | 10.018 | 10.010 | 0.008 | 60 | 757633 | 200.0 | 208.0 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 95 | 2150635 | 200.0 | 197.2 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 98 | 2364077 | 200.0 | 180.2 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.440 | 0.000 | 96 | 1182859 | 200.0 | 204.1 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 2117994 | 200.0 | 187.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.577 | 10.569 | 0.008 | 97 | 185312 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.598 | 10.591 | 0.007 | 94 | 1193477 | 200.0 | 193.5 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 2143619 | 200.0 | 193.4 | |
| 122 2,3-Dihydroindene | 117 | 10.877 | 10.877 | 0.000 | 94 | 2125808 | 200.0 | 194.2 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 98 | 202201 | 200.0 | 211.2 | |
| 124 p-Diethylbenzene | 119 | 11.071 | 11.063 | 0.008 | 94 | 1136663 | 200.0 | 193.1 | |
| 125 n-Butylbenzene | 91 | 11.150 | 11.149 | 0.001 | 99 | 1911424 | 200.0 | 186.3 | |
| 126 1,2-Dichlorobenzene | 146 | 11.257 | 11.250 | 0.007 | 95 | 1132865 | 200.0 | 207.7 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 2047999 | 200.0 | 195.1 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.310 | 12.310 | 0.000 | 95 | 101489 | 200.0 | 212.3 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 828845 | 200.0 | 194.2 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 94 | 766245 | 200.0 | 199.1 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 94 | 312930 | 200.0 | 183.6 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 1510613 | 200.0 | 196.5 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 96 | 644278 | 200.0 | 196.8 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 400.0 | 396.1 | |

| 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 | | 400.0 | 435.4 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 400.0 | 395.0 | |
| S 137 Total BTEX | 1 | | | | 0 | | 1000.0 | 983.3 | |

## QC Flag Legend

Review Flags

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| ACROLEIN W_00081 | Amount Added: | 20.00 | Units: uL | |
| Ethanol mix_00020 | Amount Added: | 20.00 | Units: uL | |
| MIX I Hi_00098 | Amount Added: | 20.00 | Units: uL | |
| MIX 2 Hi_00075 | Amount Added: | 20.00 | Units: uL | |
| GAS Hi_00274 | Amount Added: | 20.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

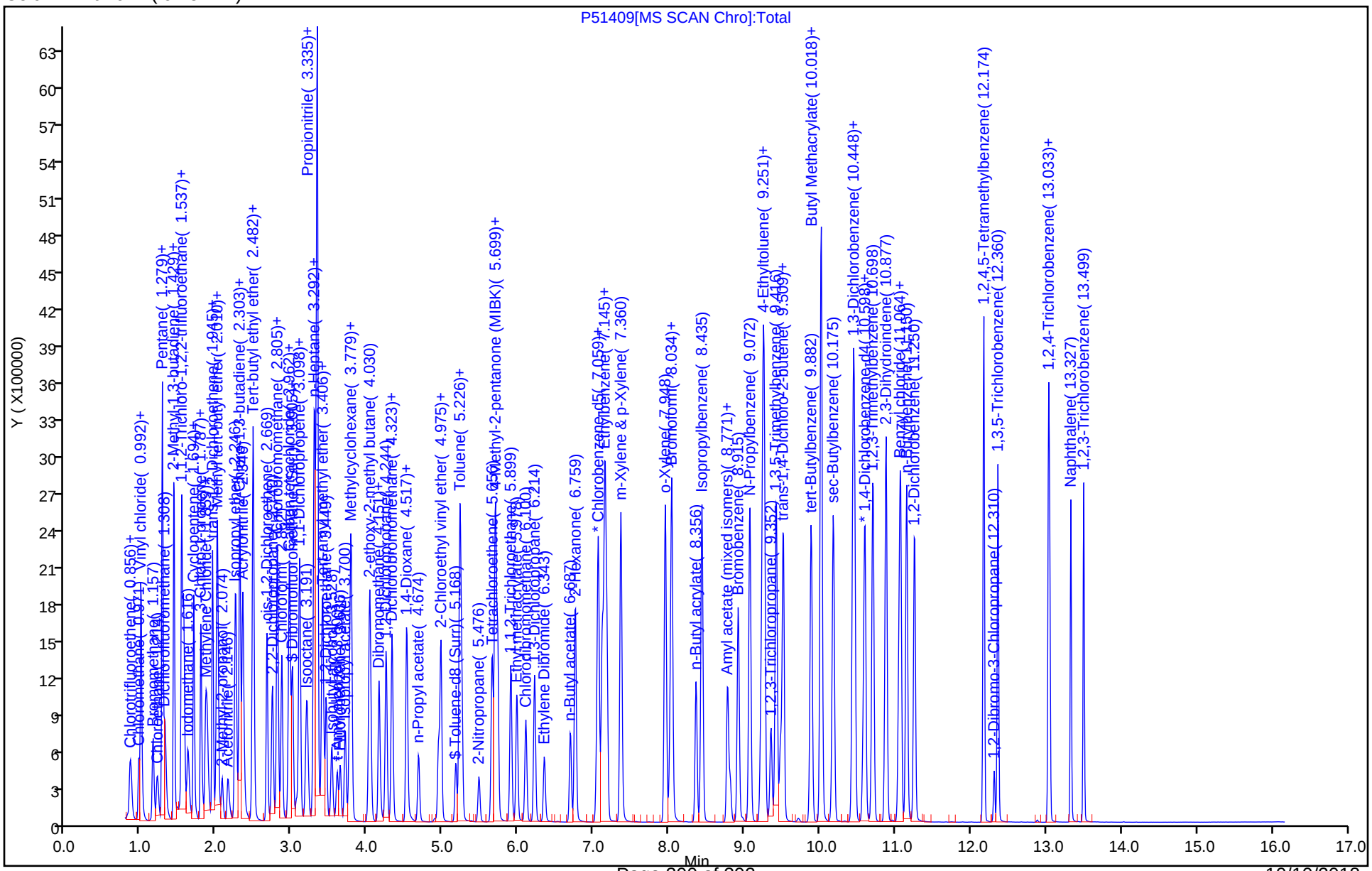
Report Date: 08-Oct-2018 15:06:30 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51409.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 05-Oct-2018 20:45:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | STD200 | | | Worklist Smp#: | 8 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 7 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

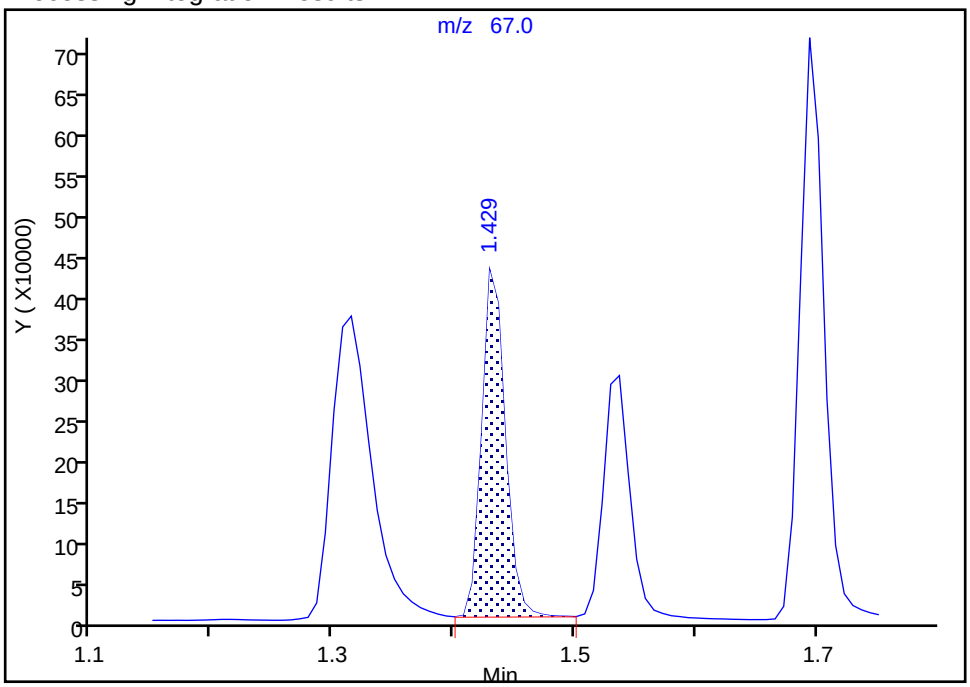
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51409.D
Injection Date: 05-Oct-2018 20:45:30 Instrument ID: CVOAMS13
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 11 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

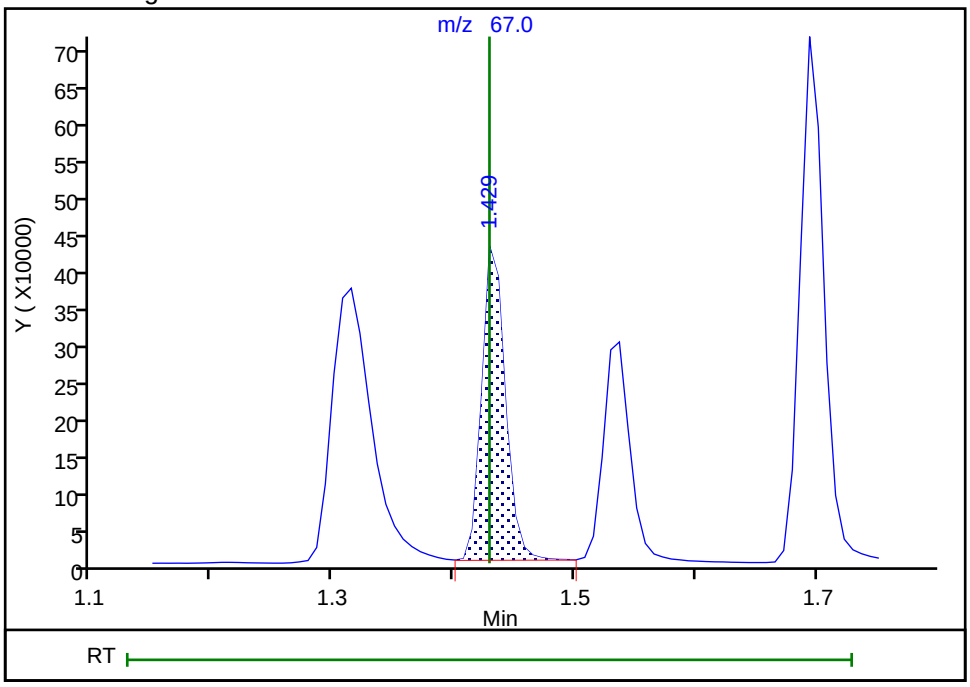
Processing Integration Results

RT: 1.43
Area: 579623
Amount: 153.7642
Amount Units: ug/l




Manual Integration Results

RT: 1.43
Area: 579623
Amount: 193.1467
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:23:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

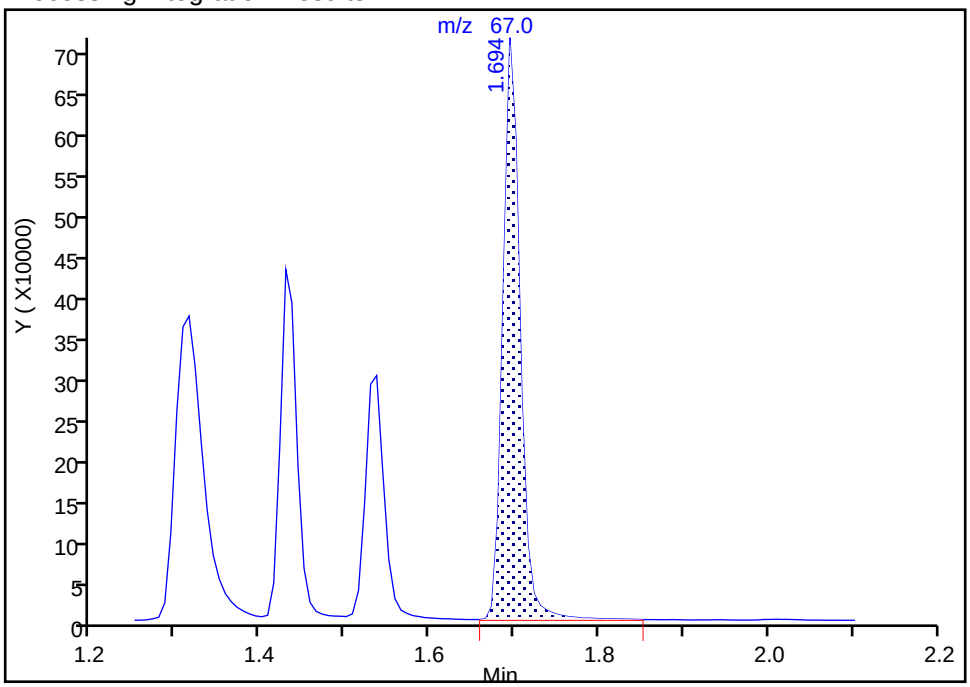
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51409.D
Injection Date: 05-Oct-2018 20:45:30 Instrument ID: CVOAMS13
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 15 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

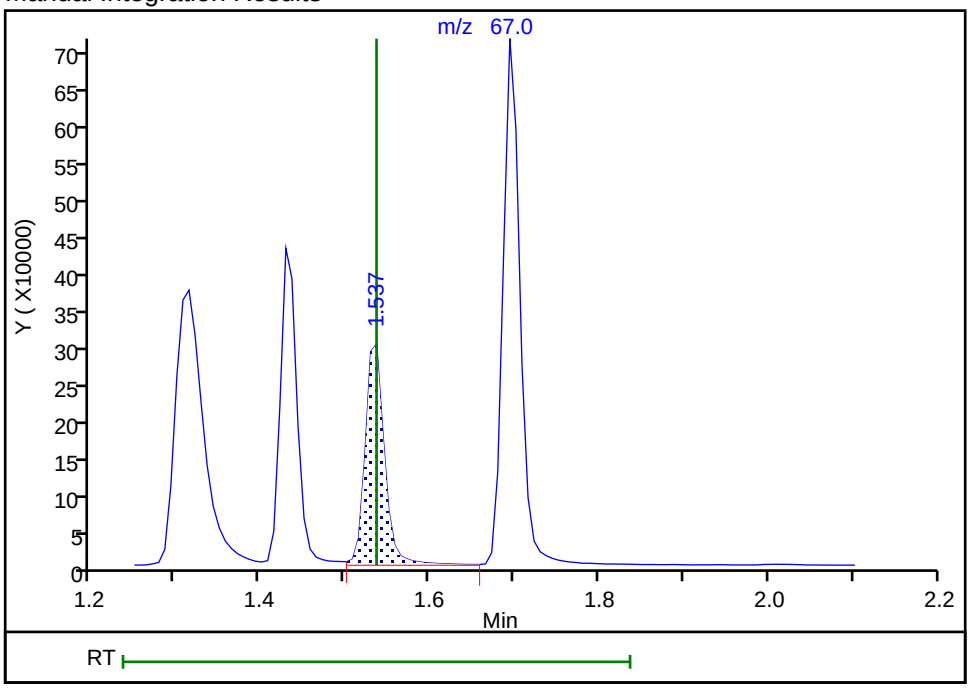
Processing Integration Results

RT: 1.69
Area: 1019581
Amount: 206.7161
Amount Units: ug/l




Manual Integration Results

RT: 1.54
Area: 482194
Amount: 169.1898
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:24:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Oct-2018 21:11:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0079797-009
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:06:38 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: boykink Date: 05-Oct-2018 20:48:58

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 91 | 527337 | 500.0 | 585.3 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 1287561 | 500.0 | 532.6 | |
| 3 Chloromethane | 50 | 0.971 | 0.964 | 0.007 | 99 | 1833848 | 500.0 | 770.1 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 100 | 1352676 | 500.0 | 535.8 | |
| 5 Butadiene | 54 | 1.000 | 0.992 | 0.008 | 94 | 1187481 | 500.0 | 559.1 | |
| 6 Bromomethane | 94 | 1.150 | 1.157 | -0.007 | 99 | 990567 | 500.0 | 468.7 | |
| 7 Chloroethane | 64 | 1.207 | 1.214 | -0.007 | 99 | 982284 | 500.0 | 526.9 | |
| 8 Trichlorofluoromethane | 101 | 1.286 | 1.279 | 0.007 | 100 | 1772733 | 500.0 | 542.0 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 96 | 326268 | 1000.0 | 925.6 | |
| 10 Dichlorofluoromethane | 67 | 1.308 | 1.315 | -0.007 | 99 | 2354862 | 500.0 | 517.4 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 97 | 1574347 | 500.0 | 508.2 | |
| 12 Ethyl ether | 59 | 1.436 | 1.436 | 0.000 | 93 | 1135852 | 500.0 | 562.5 | |
| 13 Ethanol | 46 | 1.522 | 1.515 | 0.007 | 99 | 204092 | 20000 | 20006 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 95 | 1539777 | 500.0 | 523.4 | |
| 14 1,1-Dichloroethene | 96 | 1.544 | 1.537 | 0.007 | 98 | 1211732 | 500.0 | 565.2 | |
| 16 Carbon disulfide | 76 | 1.558 | 1.551 | 0.007 | 100 | 4324668 | 500.0 | 568.2 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.565 | -0.007 | 92 | 1134270 | 500.0 | 594.0 | |
| 18 Iodomethane | 142 | 1.616 | 1.623 | -0.007 | 99 | 1944350 | 500.0 | 565.5 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 2560955 | 500.0 | 474.9 | |
| 20 Acrolein | 56 | 1.723 | 1.716 | 0.007 | 96 | 90650 | 400.0 | 395.0 | |
| 21 3-Chloro-1-propene | 76 | 1.795 | 1.794 | 0.001 | 89 | 728599 | 500.0 | 496.9 | |
| 22 Isopropyl alcohol | 45 | 1.823 | 1.816 | 0.007 | 97 | 565443 | 5000.0 | 5000.9 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 93 | 1355307 | 500.0 | 486.0 | |
| 24 Acetone | 43 | 1.881 | 1.880 | 0.001 | 86 | 1327874 | 2500.0 | 2449.7 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 1353649 | 500.0 | 544.4 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 98 | 1160463 | 1000.0 | 869.4 | |
| 27 Hexane | 86 | 2.002 | 1.995 | 0.007 | 90 | 298919 | 500.0 | 607.9 | |
| 28 Methyl tert-butyl ether | 73 | 2.010 | 2.009 | 0.001 | 95 | 3964262 | 500.0 | 549.5 | |
| * 29 TBA-d9 (IS) | 65 | 2.038 | 2.031 | 0.007 | 0 | 166344 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 99 | 995414 | 5000.0 | 4973.1 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 98 | 1070729 | 5000.0 | 4326.3 | |
| 32 Isopropyl ether | 45 | 2.253 | 2.246 | 0.007 | 95 | 4132097 | 500.0 | 501.1 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.303 | 2.303 | 0.000 | 94 | 1106485 | 500.0 | 509.5 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 100 | 2535892 | 500.0 | 547.4 | |
| 35 Acrylonitrile | 53 | 2.353 | 2.346 | 0.007 | 93 | 4219037 | 5000.0 | 4968.3 | |
| 36 Tert-butyl ethyl ether | 59 | 2.482 | 2.475 | 0.007 | 59 | 4169400 | 500.0 | 532.6 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 5783045 | 1000.0 | 1289.9 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.668 | 0.001 | 97 | 1426640 | 500.0 | 518.5 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 1794178 | 500.0 | 499.3 | |
| 41 Chlorobromomethane | 128 | 2.812 | 2.804 | 0.008 | 92 | 663559 | 500.0 | 525.0 | |
| 40 Cyclohexane | 56 | 2.805 | 2.804 | 0.001 | 92 | 1994707 | 500.0 | 557.0 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 98 | 2265916 | 500.0 | 518.9 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 97 | 1599489 | 500.0 | 551.2 | |
| 44 Ethyl acetate | 70 | 2.969 | 2.962 | 0.007 | 99 | 267927 | 1000.0 | 1044.9 | a |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 98 | 1015531 | 500.0 | 518.6 | |
| 46 Tetrahydrofuran | 42 | 2.977 | 2.976 | 0.001 | 95 | 855314 | 1000.0 | 1092.3 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 93998 | 50.0 | 51.7 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 98 | 1909856 | 500.0 | 508.9 | |
| * 49 2-Butanone-d5 | 46 | 3.062 | 3.055 | 0.007 | 0 | 174638 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.098 | 3.091 | 0.007 | 100 | 715516 | 2500.0 | 2755.3 | |
| 51 1,1-Dichloropropene | 75 | 3.105 | 3.098 | 0.007 | 95 | 1763316 | 500.0 | 496.7 | |
| 52 Isooctane | 57 | 3.199 | 3.191 | 0.008 | 98 | 2448340 | 500.0 | 387.0 | |
| 53 n-Heptane | 57 | 3.292 | 3.284 | 0.008 | 89 | 900976 | 500.0 | 599.4 | |
| 54 Benzene | 78 | 3.299 | 3.292 | 0.007 | 97 | 5536242 | 500.0 | 536.1 | |
| 55 Propionitrile | 54 | 3.342 | 3.306 | 0.036 | 92 | 1606981 | 5000.0 | 5474.5 | |
| 56 Methacrylonitrile | 67 | 3.349 | 3.327 | 0.022 | 92 | 5062588 | 5000.0 | 5649.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.406 | 3.399 | 0.007 | 0 | 126072 | 50.0 | 54.0 | |
| 58 Tert-amyl methyl ether | 73 | 3.406 | 3.399 | 0.007 | 98 | 3732582 | 500.0 | 519.1 | |
| 59 1,2-Dichloroethane | 62 | 3.456 | 3.449 | 0.007 | 98 | 1825242 | 500.0 | 494.8 | |
| 60 Isobutyl alcohol | 43 | 3.535 | 3.528 | 0.007 | 99 | 1023535 | 12500 | 12442 | a |
| 61 t-Amyl alcohol | 59 | 3.607 | 3.592 | 0.015 | 98 | 735081 | 5000.0 | 4963.8 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.635 | 0.001 | 99 | 394651 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.707 | 3.700 | 0.007 | 99 | 2089888 | 500.0 | 483.8 | |
| 64 Methylcyclohexane | 83 | 3.772 | 3.764 | 0.008 | 95 | 2123257 | 500.0 | 551.9 | |
| 65 Trichloroethene | 130 | 3.786 | 3.779 | 0.007 | 98 | 1399494 | 500.0 | 535.6 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.029 | 4.029 | 0.000 | 92 | 3260444 | 500.0 | 511.2 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 97 | 831953 | 500.0 | 539.5 | |
| 68 n-Butanol | 56 | 4.166 | 4.158 | 0.008 | 88 | 638749 | 12500 | 13219 | |
| 69 1,2-Dichloropropane | 63 | 4.252 | 4.244 | 0.008 | 87 | 1333135 | 500.0 | 515.2 | |
| 70 Dichlorobromomethane | 83 | 4.330 | 4.323 | 0.007 | 99 | 1879618 | 500.0 | 548.0 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 98 | 1473842 | 500.0 | 552.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.524 | 4.516 | 0.008 | 0 | 16022 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 88 | 641163 | 1000.0 | 1086.4 | |
| 74 1,4-Dioxane | 88 | 4.545 | 4.538 | 0.007 | 93 | 217700 | 10000 | 10354 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 1472148 | 500.0 | 526.4 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.946 | 4.939 | 0.007 | 96 | 799354 | 500.0 | 542.4 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.975 | 4.968 | 0.007 | 97 | 2162841 | 500.0 | 534.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.176 | 5.168 | 0.008 | 99 | 367878 | 50.0 | 48.5 | |
| 79 Toluene | 91 | 5.233 | 5.226 | 0.007 | 93 | 5819922 | 500.0 | 512.8 | |
| 80 Epichlorohydrin | 57 | 5.262 | 5.247 | 0.015 | 99 | 2130372 | 10000 | 10053 | |
| 81 2-Nitropropane | 41 | 5.484 | 5.476 | 0.008 | 99 | 666806 | 1000.0 | 1021.4 | |
| 82 Tetrachloroethene | 166 | 5.656 | 5.655 | 0.001 | 98 | 1359330 | 500.0 | 514.6 | |

| 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 | 5.706 | 5.691 | 0.015 | 97 | 5405081 | 2500.0 | 2714.8 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.734 | 5.727 | 0.007 | 96 | 2036583 | 500.0 | 580.1 | |
| 85 1,1,2-Trichloroethane | 83 | 5.906 | 5.899 | 0.007 | 94 | 949437 | 500.0 | 504.9 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.978 | 0.007 | 89 | 1595444 | 500.0 | 551.9 | |
| 87 Chlorodibromomethane | 129 | 6.107 | 6.099 | 0.008 | 98 | 1292074 | 500.0 | 562.8 | |
| 88 1,3-Dichloropropane | 76 | 6.221 | 6.214 | 0.007 | 95 | 1910853 | 500.0 | 525.2 | |
| 89 Ethylene Dibromide | 107 | 6.350 | 6.350 | 0.000 | 98 | 1122050 | 500.0 | 547.2 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 1626998 | 500.0 | 518.1 | |
| 91 2-Hexanone | 43 | 6.759 | 6.758 | 0.001 | 96 | 3626863 | 2500.0 | 2749.0 | |
| * 92 Chlorobenzene-d5 | 117 | 7.045 | 7.038 | 0.007 | 89 | 334020 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.067 | 7.059 | 0.008 | 92 | 3631236 | 500.0 | 509.7 | |
| 94 Ethylbenzene | 106 | 7.160 | 7.145 | 0.015 | 99 | 2136687 | 500.0 | 537.4 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.181 | 7.167 | 0.014 | 94 | 1316464 | 500.0 | 561.7 | |
| 96 m-Xylene & p-Xylene | 106 | 7.367 | 7.360 | 0.007 | 0 | 2521965 | 500.0 | 521.3 | |
| 97 o-Xylene | 106 | 7.955 | 7.948 | 0.007 | 93 | 2457042 | 500.0 | 527.3 | |
| 98 Bromoform | 173 | 8.019 | 8.012 | 0.007 | 94 | 875191 | 500.0 | 609.0 | |
| 99 Styrene | 104 | 8.041 | 8.033 | 0.008 | 93 | 4351358 | 500.0 | 565.9 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 96 | 916854 | 500.0 | 541.1 | |
| 101 Isopropylbenzene | 105 | 8.442 | 8.435 | 0.007 | 97 | 6408869 | 500.0 | 526.6 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.779 | 8.778 | 0.001 | 90 | 2104300 | 500.0 | 512.5 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 89 | 118643 | 50.0 | 50.4 | |
| 104 Bromobenzene | 156 | 8.922 | 8.915 | 0.007 | 97 | 1649568 | 500.0 | 528.2 | |
| 105 N-Propylbenzene | 91 | 9.079 | 9.065 | 0.014 | 99 | 7669584 | 500.0 | 518.7 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.230 | 9.215 | 0.015 | 98 | 1419163 | 500.0 | 497.9 | |
| 107 2-Chlorotoluene | 91 | 9.251 | 9.244 | 0.007 | 97 | 5582306 | 500.0 | 535.3 | |
| 108 4-Ethyltoluene | 105 | 9.273 | 9.258 | 0.015 | 99 | 6264906 | 500.0 | 491.1 | |
| 109 1,2,3-Trichloropropane | 110 | 9.359 | 9.351 | 0.008 | 97 | 393627 | 500.0 | 484.2 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.430 | 9.416 | 0.014 | 93 | 5609806 | 500.0 | 502.2 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.481 | 9.480 | 0.001 | 91 | 461971 | 500.0 | 494.6 | |
| 112 4-Chlorotoluene | 91 | 9.524 | 9.509 | 0.015 | 99 | 4929847 | 500.0 | 528.8 | |
| 113 tert-Butylbenzene | 119 | 9.889 | 9.882 | 0.007 | 93 | 4607281 | 500.0 | 514.1 | |
| 115 Butyl Methacrylate | 87 | 10.025 | 10.010 | 0.015 | 59 | 2095556 | 500.0 | 550.3 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.025 | 10.018 | 0.007 | 96 | 6084442 | 500.0 | 533.8 | |
| 116 sec-Butylbenzene | 105 | 10.190 | 10.175 | 0.015 | 98 | 7008826 | 500.0 | 511.1 | |
| 117 1,3-Dichlorobenzene | 146 | 10.448 | 10.440 | 0.008 | 96 | 3300892 | 500.0 | 544.8 | |
| 118 4-Isopropyltoluene | 119 | 10.469 | 10.455 | 0.014 | 98 | 6312082 | 500.0 | 535.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.584 | 10.569 | 0.015 | 97 | 193710 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.605 | 10.591 | 0.014 | 94 | 3232930 | 500.0 | 501.4 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.713 | 10.698 | 0.015 | 99 | 5600587 | 500.0 | 483.3 | |
| 122 2,3-Dihydroindene | 117 | 10.885 | 10.877 | 0.008 | 94 | 5499577 | 500.0 | 480.7 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 98 | 543599 | 500.0 | 543.2 | |
| 124 p-Diethylbenzene | 119 | 11.078 | 11.063 | 0.015 | 94 | 2995554 | 500.0 | 486.7 | |
| 125 n-Butylbenzene | 91 | 11.157 | 11.149 | 0.008 | 99 | 5643902 | 500.0 | 526.3 | |
| 126 1,2-Dichlorobenzene | 146 | 11.264 | 11.250 | 0.014 | 95 | 3052328 | 500.0 | 535.4 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.181 | 12.174 | 0.007 | 97 | 5523257 | 500.0 | 503.4 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.310 | 0.007 | 95 | 275288 | 500.0 | 550.8 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.367 | 12.360 | 0.007 | 97 | 2213251 | 500.0 | 496.1 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 94 | 2236256 | 500.0 | 555.9 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 94 | 956941 | 500.0 | 537.1 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 4239996 | 500.0 | 527.5 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 96 | 1863176 | 500.0 | 544.3 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 1000.0 | 1062.9 | |

| 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 | | 1000.0 | 1114.1 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 1000.0 | 1048.6 | |
| S 137 Total BTEX | 1 | | | | 0 | | 2500.0 | 2634.8 | |

## QC Flag Legend

Review Flags

a - User Assigned ID

## Reagents:

| | | | | |
|---|---|---|---|---|
| ACROLEIN W_00081 | Amount Added: | 40.00 | Units: uL | |
| Ethanol mix_00020 | Amount Added: | 50.00 | Units: uL | |
| MIX I Hi_00098 | Amount Added: | 50.00 | Units: uL | |
| MIX 2 Hi_00075 | Amount Added: | 50.00 | Units: uL | |
| GAS Hi_00274 | Amount Added: | 50.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 08-Oct-2018 15:06:47 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Injection Date: 05-Oct-2018 21:11:30 Instrument ID: CVOAMS13 Operator ID:

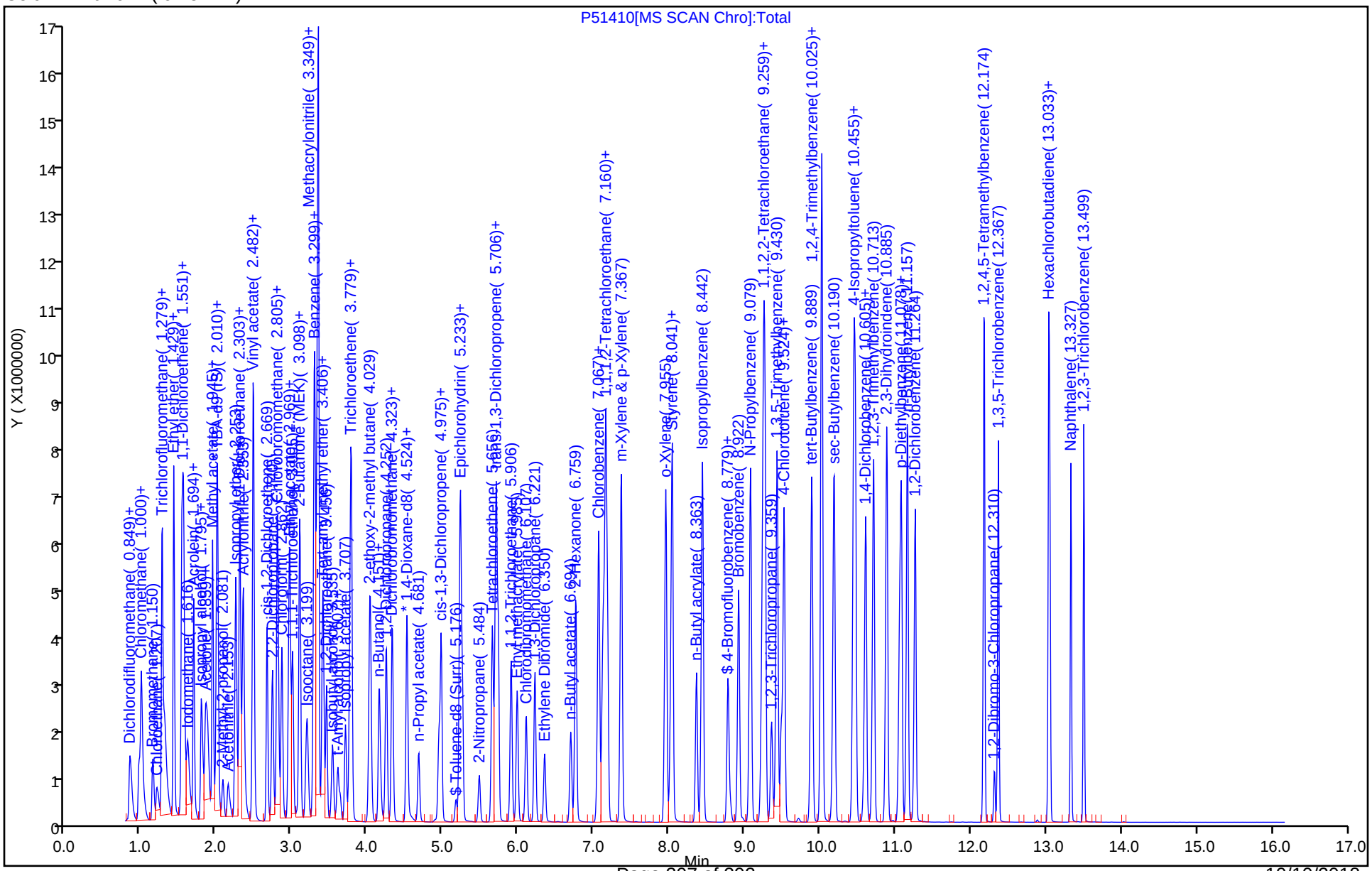
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

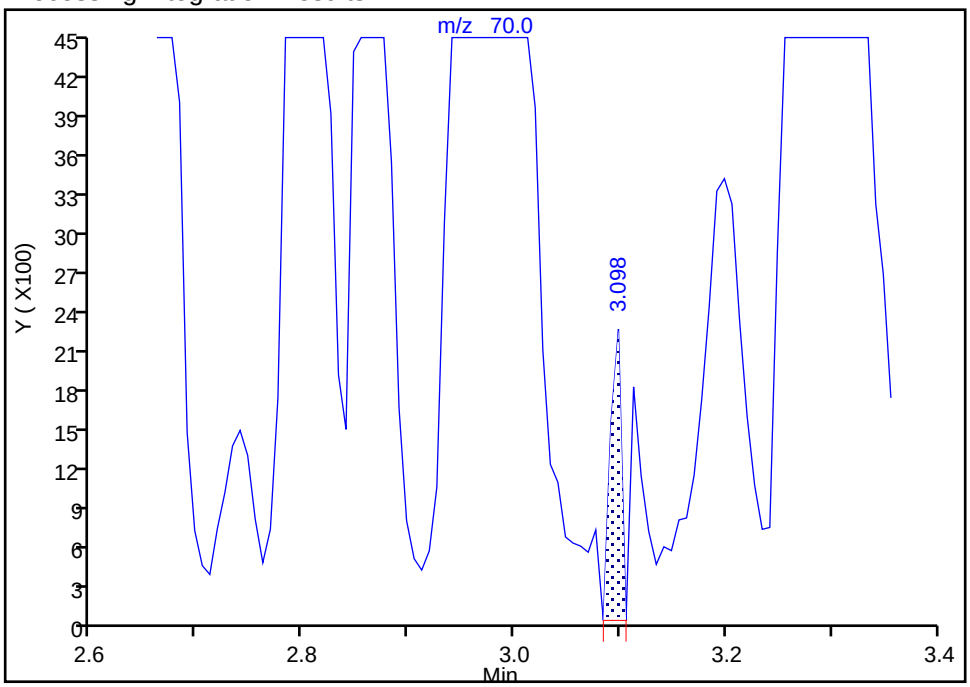
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D
Injection Date: 05-Oct-2018 21:11:30 Instrument ID: CVOAMS13
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 44 Ethyl acetate, CAS: 141-78-6

Signal: 1

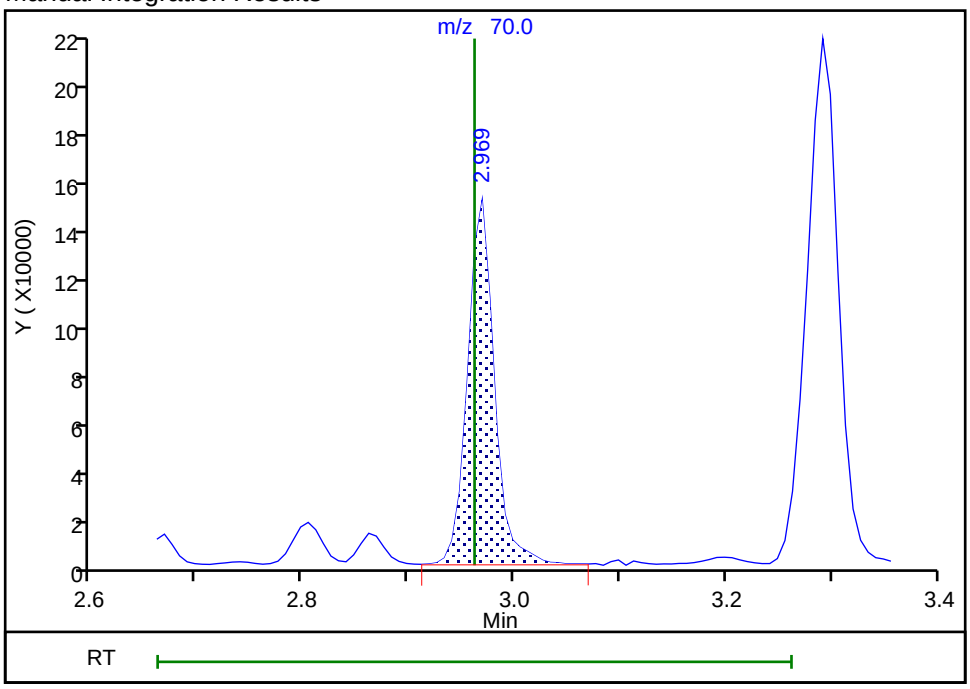
Processing Integration Results

RT: 3.10
Area: 1585
Amount: 9.182119
Amount Units: ug/l




Manual Integration Results

RT: 2.97
Area: 267927
Amount: 1044.9372
Amount Units: ug/l




Reviewer: boykink, 05-Oct-2018 20:48:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Edison

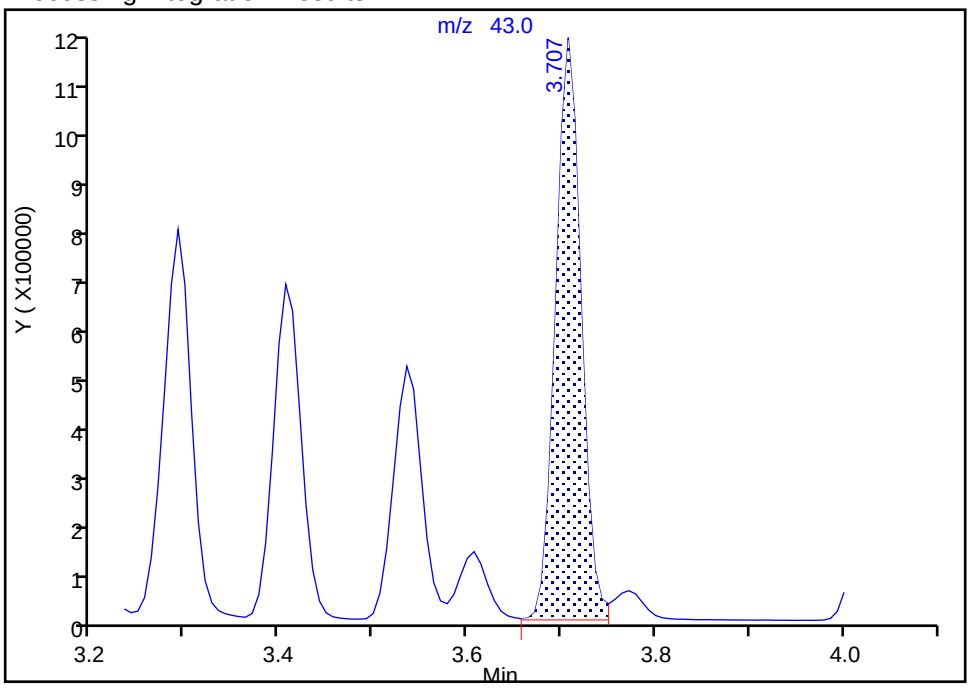
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D
Injection Date: 05-Oct-2018 21:11:30 Instrument ID: CVOAMS13
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

## 60 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

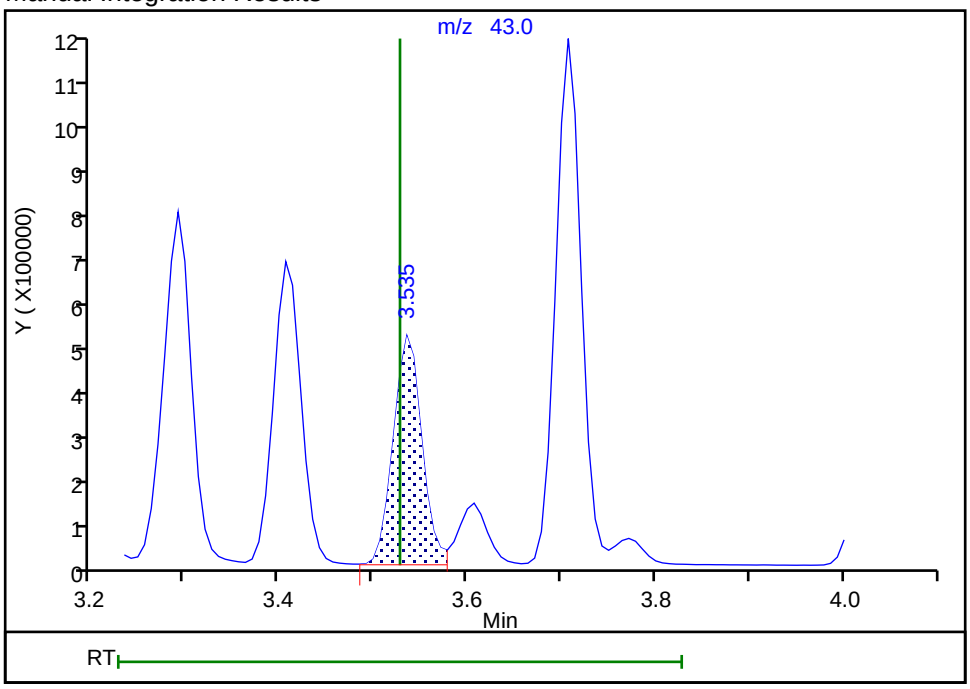
Processing Integration Results

RT: 3.71
Area: 2089888
Amount: 12509
Amount Units: ug/l




Manual Integration Results

RT: 3.54
Area: 1023535
Amount: 12442
Amount Units: ug/l




Reviewer: desais, 06-Oct-2018 06:25:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558208/2 Calibration Date: 10/07/2018 19:36

Instrument ID: CVOAMS13 Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/05/2018 21:11

Lab File ID: P51516.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 | 0.1142 | 0.1080 | | 18.9 | 20.0 | -5.4 | 20.0 |
| Dichlorodifluoromethane | Ave | 0.3063 | 0.3399 | 0.1000 | 22.2 | 20.0 | 11.0 | 20.0 |
| Chloromethane | Ave | 0.3017 | 0.2739 | 0.1000 | 18.2 | 20.0 | -9.2 | 20.0 |
| Butadiene | Ave | 0.2691 | 0.2782 | | 20.7 | 20.0 | 3.4 | 20.0 |
| Vinyl chloride | Ave | 0.3199 | 0.3099 | 0.1000 | 19.4 | 20.0 | -3.1 | 20.0 |
| Bromomethane | Ave | 3.026 | 2.657 | 0.1000 | 17.6 | 20.0 | -12.2 | 50.0 |
| Chloroethane | Lin2 | | 0.2399 | 0.1000 | 20.2 | 20.0 | 0.8 | 50.0 |
| Pentane | Lin2 | | 2.764 | | 51.7 | 40.0 | 29.2* | 20.0 |
| Trichlorofluoromethane | Ave | 0.4144 | 0.5131 | 0.1000 | 24.8 | 20.0 | 23.8* | 20.0 |
| Dichlorofluoromethane | Ave | 0.5766 | 0.5733 | | 19.9 | 20.0 | -0.6 | 20.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3925 | 0.3986 | | 20.3 | 20.0 | 1.5 | 20.0 |
| Ethyl ether | Ave | 0.2559 | 0.2349 | | 18.4 | 20.0 | -8.2 | 20.0 |
| Ethanol | QuaF | | 0.0365 | | 518 | 800 | -35.3 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2716 | 0.2708 | 0.1000 | 19.9 | 20.0 | -0.3 | 20.0 |
| 1,2-Dichloro-1,1,2-trifluoro ethane | Ave | 0.3727 | 0.3691 | | 19.8 | 20.0 | -1.0 | 20.0 |
| Carbon disulfide | Ave | 0.9644 | 0.8437 | 0.1000 | 17.5 | 20.0 | -12.5 | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | Ave | 0.2419 | 0.2885 | 0.1000 | 23.9 | 20.0 | 19.3 | 20.0 |
| Iodomethane | Ave | 0.4356 | 0.2738 | | 12.6 | 20.0 | -37.2* | 20.0 |
| Cyclopentene | Ave | 0.6832 | 0.7058 | | 20.7 | 20.0 | 3.3 | 20.0 |
| Acrolein | Qua2 | | 1.449 | | 52.9 | 40.0 | 32.2 | 50.0 |
| Allyl chloride | Ave | 0.1858 | 0.1750 | | 18.8 | 20.0 | -5.8 | 20.0 |
| Isopropyl alcohol | QuaF | | 0.7266 | | 203 | 200 | 1.7 | 50.0 |
| Methylene Chloride | Ave | 0.3533 | 0.3119 | 0.1000 | 17.7 | 20.0 | -11.7 | 20.0 |
| Acetone | Qua2 | | 0.7760 | 0.0500 | 102 | 100 | 2.3 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.3150 | 0.3060 | 0.1000 | 19.4 | 20.0 | -2.9 | 20.0 |
| Methyl acetate | Ave | 0.1691 | 0.1656 | 0.1000 | 39.2 | 40.0 | -2.1 | 20.0 |
| Hexane | Ave | 0.0623 | 0.0838 | | 26.9 | 20.0 | 34.6* | 20.0 |
| Methyl tert-butyl ether | Ave | 0.9139 | 0.8781 | 0.1000 | 19.2 | 20.0 | -3.9 | 20.0 |
| 2-Methyl-2-propanol | Qua2 | | 1.295 | | 207 | 200 | 3.4 | 50.0 |
| Acetonitrile | Ave | 1.488 | 1.330 | | 179 | 200 | -10.6 | 20.0 |
| Isopropyl ether | Ave | 1.045 | 0.9490 | | 18.2 | 20.0 | -9.2 | 20.0 |
| 2-Chloro-1,3-butadiene | Ave | 0.2752 | 0.2768 | | 20.1 | 20.0 | 0.6 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.5869 | 0.5561 | 0.2000 | 18.9 | 20.0 | -5.3 | 20.0 |
| Acrylonitrile | Qua2 | | 0.0871 | | 200 | 200 | -0.0 | 20.0 |
| Tert-butyl ethyl ether | Ave | 0.9919 | 0.9155 | | 18.5 | 20.0 | -7.7 | 20.0 |
| Vinyl acetate | Ave | 0.5680 | 0.6211 | | 43.7 | 40.0 | 9.3 | 20.0 |
| cis-1,2-Dichloroethene | Ave | 0.3486 | 0.3285 | 0.1000 | 18.8 | 20.0 | -5.8 | 20.0 |
| 2,2-Dichloropropane | Ave | 0.4553 | 0.4884 | | 21.5 | 20.0 | 7.3 | 20.0 |
| Cyclohexane | Ave | 0.4537 | 0.5054 | 0.1000 | 22.3 | 20.0 | 11.4 | 50.0 |
| Chlorobromomethane | Ave | 0.1601 | 0.1551 | | 19.4 | 20.0 | -3.2 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558208/2 Calibration Date: 10/07/2018 19:36

Instrument ID: CVOAMS13 Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/05/2018 21:11

Lab File ID: P51516.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 | 0.5532 | 0.5351 | 0.2000 | 19.3 | 20.0 | -3.3 | 20.0 |
| Carbon tetrachloride | Ave | 0.3676 | 0.3383 | 0.1000 | 18.4 | 20.0 | -8.0 | 20.0 |
| Ethyl acetate | Ave | 0.3671 | 0.3672 | | 40.0 | 40.0 | 0.0 | 20.0 |
| Methyl acrylate | Ave | 0.2481 | 0.2131 | | 17.2 | 20.0 | -14.1 | 20.0 |
| Tetrahydrofuran | Ave | 1.121 | 1.095 | | 39.1 | 40.0 | -2.3 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.4754 | 0.4587 | 0.1000 | 19.3 | 20.0 | -3.5 | 20.0 |
| 2-Butanone | Ave | 0.3718 | 0.3723 | 0.0500 | 100 | 100 | 0.1 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.4498 | 0.4256 | | 18.9 | 20.0 | -5.4 | 20.0 |
| 2,2,4-Trimethylpentane | Ave | 0.8015 | 0.9487 | | 23.7 | 20.0 | 18.4 | 20.0 |
| Benzene | Ave | 1.546 | 1.464 | 0.5000 | 18.9 | 20.0 | -5.3 | 20.0 |
| n-Heptane | Ave | 0.1904 | 0.2360 | | 24.8 | 20.0 | 23.9* | 20.0 |
| Propionitrile | Ave | 1.765 | 1.677 | | 190 | 200 | -5.0 | 20.0 |
| Methacrylonitrile | Ave | 0.1135 | 0.1090 | | 192 | 200 | -4.0 | 20.0 |
| Tert-amyl methyl ether | Ave | 0.9111 | 0.8723 | | 19.1 | 20.0 | -4.3 | 20.0 |
| 1,2-Dichloroethane | Ave | 0.4673 | 0.4246 | 0.1000 | 18.2 | 20.0 | -9.1 | 20.0 |
| Isobutyl alcohol | Ave | 0.4945 | 0.4271 | | 432 | 500 | -13.6 | 50.0 |
| Isopropyl acetate | Ave | 0.5472 | 0.4905 | | 17.9 | 20.0 | -10.4 | 20.0 |
| Methylcyclohexane | Ave | 0.4874 | 0.5577 | 0.1000 | 22.9 | 20.0 | 14.4 | 50.0 |
| Trichloroethene | Ave | 0.3311 | 0.3207 | 0.2000 | 19.4 | 20.0 | -3.1 | 20.0 |
| Dibromomethane | Ave | 0.1954 | 0.1852 | | 19.0 | 20.0 | -5.2 | 20.0 |
| n-Butanol | Ave | 0.2905 | 0.2817 | | 485 | 500 | -3.0 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.3278 | 0.3072 | 0.1000 | 18.7 | 20.0 | -6.3 | 20.0 |
| Bromodichloromethane | Ave | 0.4346 | 0.3870 | 0.2000 | 17.8 | 20.0 | -10.9 | 20.0 |
| Ethyl acrylate | Ave | 0.3383 | 0.3193 | | 18.9 | 20.0 | -5.6 | 20.0 |
| Methyl methacrylate | Ave | 0.0748 | 0.0769 | | 41.1 | 40.0 | 2.8 | 20.0 |
| 1,4-Dioxane | Ave | 1.312 | 1.367 | | 417 | 400 | 4.2 | 50.0 |
| n-Propyl acetate | Ave | 0.3543 | 0.3293 | | 18.6 | 20.0 | -7.1 | 20.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1867 | 0.1817 | | 19.5 | 20.0 | -2.7 | 20.0 |
| cis-1,3-Dichloropropene | Ave | 0.6063 | 0.5714 | 0.2000 | 18.9 | 20.0 | -5.7 | 50.0 |
| Toluene | Ave | 1.699 | 1.632 | 0.4000 | 19.2 | 20.0 | -4.0 | 20.0 |
| Epichlorohydrin | QuaF | | 0.5883 | | 703 | 400 | 75.7* | 20.0 |
| 2-Nitropropane | Ave | 0.0827 | 0.0733 | | 35.5 | 40.0 | -11.3 | 20.0 |
| Tetrachloroethene | Ave | 0.3954 | 0.3878 | 0.2000 | 19.6 | 20.0 | -1.9 | 20.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 2.850 | 2.732 | 0.0500 | 95.9 | 100 | -4.1 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.5256 | 0.4974 | 0.1000 | 18.9 | 20.0 | -5.4 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2815 | 0.2545 | 0.1000 | 18.1 | 20.0 | -9.6 | 20.0 |
| Ethyl methacrylate | Ave | 0.3663 | 0.3599 | | 19.7 | 20.0 | -1.7 | 20.0 |
| Dibromochloromethane | Ave | 0.3437 | 0.2866 | 0.1000 | 16.7 | 20.0 | -16.6 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5447 | 0.5309 | | 19.5 | 20.0 | -2.5 | 20.0 |
| Ethylene Dibromide | Ave | 0.3069 | 0.3069 | 0.1000 | 20.0 | 20.0 | -0.0 | 20.0 |
| n-Butyl acetate | Ave | 0.4701 | 0.4279 | | 18.2 | 20.0 | -9.0 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558208/2  Calibration Date: 10/07/2018 19:36

Instrument ID: CVOAMS13  Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624  ID: 0.25(mm)  Calib End Date: 10/05/2018 21:11

Lab File ID: P51516.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 | 1.889 | 1.857 | 0.0500 | 98.3 | 100 | -1.7 | 50.0 |
| Chlorobenzene | Ave | 1.066 | 1.013 | 0.5000 | 19.0 | 20.0 | -5.0 | 20.0 |
| Ethylbenzene | Ave | 0.5952 | 0.5681 | 0.1000 | 19.1 | 20.0 | -4.5 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.3508 | 0.3243 | | 18.5 | 20.0 | -7.6 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.7242 | 0.7074 | 0.1000 | 19.5 | 20.0 | -2.3 | 20.0 |
| o-Xylene | Ave | 0.6975 | 0.6779 | 0.3000 | 19.4 | 20.0 | -2.8 | 20.0 |
| Bromoform | Ave | 0.2151 | 0.1562 | 0.1000 | 14.5 | 20.0 | -27.4* | 20.0 |
| Styrene | Ave | 1.151 | 1.151 | 0.3000 | 20.0 | 20.0 | -0.0 | 20.0 |
| n-Butyl acrylate | Ave | 0.2537 | 0.2407 | | 19.0 | 20.0 | -5.1 | 20.0 |
| Isopropylbenzene | Ave | 1.822 | 1.792 | 0.1000 | 19.7 | 20.0 | -1.7 | 20.0 |
| Amyl acetate (mixed isomers) | Ave | 1.060 | 0.9559 | | 18.0 | 20.0 | -9.8 | 20.0 |
| Bromobenzene | Ave | 0.8061 | 0.7720 | | 19.2 | 20.0 | -4.2 | 20.0 |
| N-Propylbenzene | Ave | 3.816 | 3.725 | | 19.5 | 20.0 | -2.4 | 20.0 |
| 1,1,2,2-Tetrachloroethane | Qua2 | | 0.6211 | 0.3000 | 19.6 | 20.0 | -2.2 | 20.0 |
| 2-Chlorotoluene | Ave | 2.692 | 2.554 | | 19.0 | 20.0 | -5.1 | 20.0 |
| 4-Ethyltoluene | Ave | 3.293 | 3.220 | | 19.6 | 20.0 | -2.2 | 20.0 |
| 1,2,3-Trichloropropane | Ave | 0.2098 | 0.1867 | | 17.8 | 20.0 | -11.0 | 20.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.883 | 2.738 | | 19.0 | 20.0 | -5.0 | 20.0 |
| trans-1,4-Dichloro-2-butene | Qua2 | | 0.1968 | | 19.1 | 20.0 | -4.3 | 20.0 |
| 4-Chlorotoluene | Ave | 2.406 | 2.357 | | 19.6 | 20.0 | -2.1 | 20.0 |
| tert-Butylbenzene | Ave | 2.313 | 2.258 | | 19.5 | 20.0 | -2.4 | 20.0 |
| Butyl Methacrylate | Ave | 0.9829 | 0.9069 | | 18.5 | 20.0 | -7.7 | 20.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.942 | 2.801 | | 19.0 | 20.0 | -4.8 | 20.0 |
| sec-Butylbenzene | Ave | 3.540 | 3.437 | | 19.4 | 20.0 | -2.9 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.564 | 1.508 | 0.6000 | 19.3 | 20.0 | -3.6 | 20.0 |
| 4-Isopropyltoluene | Ave | 3.041 | 2.966 | | 19.5 | 20.0 | -2.5 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.664 | 1.583 | 0.5000 | 19.0 | 20.0 | -4.9 | 20.0 |
| 1,2,3-Trimethylbenzene | Ave | 2.991 | 2.925 | | 19.6 | 20.0 | -2.2 | 20.0 |
| Indan | Ave | 2.953 | 2.855 | | 19.3 | 20.0 | -3.3 | 20.0 |
| Benzyl chloride | Ave | 0.2583 | 0.2747 | | 21.3 | 20.0 | 6.3 | 50.0 |
| p-Diethylbenzene | Ave | 1.589 | 1.595 | | 20.1 | 20.0 | 0.4 | 20.0 |
| n-Butylbenzene | Ave | 2.768 | 2.809 | | 20.3 | 20.0 | 1.5 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.472 | 1.471 | 0.4000 | 20.0 | 20.0 | -0.0 | 20.0 |
| 1,2,4,5-Tetramethylbenzene | Ave | 2.832 | 2.786 | | 19.7 | 20.0 | -1.6 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1290 | 0.1032 | 0.0500 | 16.0 | 20.0 | -20.0 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 1.152 | 1.152 | | 20.0 | 20.0 | 0.0 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 1.038 | 1.010 | 0.2000 | 19.5 | 20.0 | -2.7 | 20.0 |
| Hexachlorobutadiene | Ave | 0.4599 | 0.4527 | | 19.7 | 20.0 | -1.6 | 20.0 |
| Naphthalene | Ave | 2.075 | 1.928 | | 18.6 | 20.0 | -7.1 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.8835 | 0.8368 | | 18.9 | 20.0 | -5.3 | 20.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2303 | 0.2273 | | 49.3 | 50.0 | -1.3 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558208/2  Calibration Date: 10/07/2018 19:36

Instrument ID: CVOAMS13  Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624  ID: 0.25(mm)  Calib End Date: 10/05/2018 21:11

Lab File ID: P51516.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 | 0.2959 | 0.2969 | | 50.2 | 50.0 | 0.3 | 20.0 |
| Toluene-d8 (Surr) | Ave | 1.136 | 1.111 | | 48.9 | 50.0 | -2.2 | 20.0 |
| Bromofluorobenzene | Ave | 0.3523 | 0.3562 | | 50.6 | 50.0 | 1.1 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51516.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Oct-2018 19:36:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0079900-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:50:46 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: colladox Date: 07-Oct-2018 19:16:10

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 90 | 17457 | 20.0 | 18.9 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 54946 | 20.0 | 22.2 | |
| 3 Chloromethane | 50 | 0.971 | 0.971 | 0.000 | 99 | 44274 | 20.0 | 18.2 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 44961 | 20.0 | 20.7 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 66 | 50096 | 20.0 | 19.4 | |
| 6 Bromomethane | 94 | 1.150 | 1.150 | 0.000 | 97 | 36831 | 20.0 | 17.6 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 99 | 38772 | 20.0 | 20.2 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 95 | 17315 | 40.0 | 51.7 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 75 | 82938 | 20.0 | 24.8 | |
| 10 Dichlorofluoromethane | 67 | 1.307 | 1.307 | 0.000 | 98 | 92674 | 20.0 | 19.9 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 98 | 64424 | 20.0 | 20.3 | |
| 12 Ethyl ether | 59 | 1.436 | 1.436 | 0.000 | 95 | 37975 | 20.0 | 18.4 | |
| 13 Ethanol | 46 | 1.508 | 1.508 | 0.000 | 100 | 4577 | 800.0 | 517.6 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 98 | 43774 | 20.0 | 19.9 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 85 | 59668 | 20.0 | 19.8 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 136373 | 20.0 | 17.5 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.558 | 0.000 | 96 | 46638 | 20.0 | 23.9 | |
| 18 Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 98 | 44250 | 20.0 | 12.6 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 114088 | 20.0 | 20.7 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 96 | 9078 | 40.0 | 52.9 | |
| 21 3-Chloro-1-propene | 76 | 1.787 | 1.787 | 0.000 | 87 | 28292 | 20.0 | 18.8 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 97 | 22756 | 200.0 | 203.3 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 92 | 50412 | 20.0 | 17.7 | |
| 24 Acetone | 43 | 1.873 | 1.873 | 0.000 | 85 | 53780 | 100.0 | 102.3 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 95 | 49465 | 20.0 | 19.4 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 53541 | 40.0 | 39.2 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 92 | 13552 | 20.0 | 26.9 | |
| 28 Methyl tert-butyl ether | 73 | 2.009 | 2.009 | 0.000 | 89 | 141944 | 20.0 | 19.2 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 156597 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.074 | 2.074 | 0.000 | 99 | 40558 | 200.0 | 206.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 98 | 41664 | 200.0 | 178.8 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 94 | 153403 | 20.0 | 18.2 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.296 | 0.000 | 94 | 44738 | 20.0 | 20.1 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 89887 | 20.0 | 18.9 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 94 | 140789 | 200.0 | 199.9 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 88 | 147981 | 20.0 | 18.5 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 200806 | 40.0 | 43.7 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.668 | 2.668 | 0.000 | 97 | 53098 | 20.0 | 18.8 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 96 | 78944 | 20.0 | 21.5 | |
| 40 Cyclohexane | 56 | 2.797 | 2.797 | 0.000 | 91 | 81696 | 20.0 | 22.3 | |
| 41 Chlorobromomethane | 128 | 2.804 | 2.804 | 0.000 | 88 | 25067 | 20.0 | 19.4 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 86494 | 20.0 | 19.3 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 95 | 54684 | 20.0 | 18.4 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 10179 | 40.0 | 40.0 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 94 | 34451 | 20.0 | 17.2 | |
| 46 Tetrahydrofuran | 42 | 2.976 | 2.976 | 0.000 | 94 | 30366 | 40.0 | 39.1 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.991 | 2.991 | 0.000 | 96 | 91848 | 50.0 | 49.3 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 97 | 74153 | 20.0 | 19.3 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 173264 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.091 | 3.091 | 0.000 | 96 | 25801 | 100.0 | 100.1 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 91 | 68800 | 20.0 | 18.9 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 153353 | 20.0 | 23.7 | |
| 53 n-Heptane | 57 | 3.284 | 3.284 | 0.000 | 89 | 38148 | 20.0 | 24.8 | |
| 54 Benzene | 78 | 3.284 | 3.284 | 0.000 | 95 | 201905 | 20.0 | 18.9 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 93 | 52524 | 200.0 | 190.1 | |
| 56 Methacrylonitrile | 67 | 3.327 | 3.327 | 0.000 | 92 | 176254 | 200.0 | 192.1 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 141003 | 20.0 | 19.1 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.392 | 0.000 | 0 | 119960 | 50.0 | 50.2 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 68640 | 20.0 | 18.2 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.528 | 0.000 | 99 | 33440 | 500.0 | 431.8 | |
| 61 t-Amyl alcohol | 59 | 3.592 | 3.592 | 0.000 | 98 | 27720 | 200.0 | 192.3 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 99 | 404110 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 79282 | 20.0 | 17.9 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 95 | 90146 | 20.0 | 22.9 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 51846 | 20.0 | 19.4 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.029 | 4.029 | 0.000 | 93 | 125805 | 20.0 | 19.3 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 97 | 29942 | 20.0 | 19.0 | |
| 68 n-Butanol | 56 | 4.165 | 4.165 | 0.000 | 88 | 22059 | 500.0 | 484.9 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 86 | 49656 | 20.0 | 18.7 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 77 | 51617 | 20.0 | 18.9 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 62560 | 20.0 | 17.8 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 16623 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 88 | 24855 | 40.0 | 41.1 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 93 | 9092 | 400.0 | 416.8 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 53222 | 20.0 | 18.6 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.939 | 4.939 | 0.000 | 96 | 29375 | 20.0 | 19.5 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.975 | 4.975 | 0.000 | 97 | 78820 | 20.0 | 18.9 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 383020 | 50.0 | 48.9 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 92 | 225046 | 20.0 | 19.2 | |
| 80 Epichlorohydrin | 57 | 5.254 | 5.254 | 0.000 | 99 | 163098 | 400.0 | 702.9 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 99 | 23708 | 40.0 | 35.5 | |
| 82 Tetrachloroethene | 166 | 5.655 | 5.655 | 0.000 | 98 | 53487 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 83 4-Methyl-2-pentanone (MIBK | 43 | 5.691 | 5.691 | 0.000 | 97 | 189363 | 100.0 | 95.9 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.727 | 5.727 | 0.000 | 96 | 68605 | 20.0 | 18.9 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 93 | 35108 | 20.0 | 18.1 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.985 | 0.000 | 88 | 58173 | 20.0 | 19.7 | |
| 87 Chlorodibromomethane | 129 | 6.099 | 6.099 | 0.000 | 98 | 39526 | 20.0 | 16.7 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 94 | 73232 | 20.0 | 19.5 | |
| 89 Ethylene Dibromide | 107 | 6.343 | 6.343 | 0.000 | 98 | 42332 | 20.0 | 20.0 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 59023 | 20.0 | 18.2 | |
| 91 2-Hexanone | 43 | 6.758 | 6.758 | 0.000 | 96 | 128718 | 100.0 | 98.3 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 344836 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 95 | 139792 | 20.0 | 19.0 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 78363 | 20.0 | 19.1 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 87 | 44735 | 20.0 | 18.5 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 97575 | 20.0 | 19.5 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 93502 | 20.0 | 19.4 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 95 | 21538 | 20.0 | 14.5 | |
| 99 Styrene | 104 | 8.034 | 8.034 | 0.000 | 94 | 158761 | 20.0 | 20.0 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 96 | 33205 | 20.0 | 19.0 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 247119 | 20.0 | 19.7 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.778 | 8.778 | 0.000 | 91 | 75872 | 20.0 | 18.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.814 | 0.000 | 90 | 122833 | 50.0 | 50.6 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 96 | 61279 | 20.0 | 19.2 | |
| 105 N-Propylbenzene | 91 | 9.072 | 9.072 | 0.000 | 99 | 295677 | 20.0 | 19.5 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.215 | 9.215 | 0.000 | 97 | 49296 | 20.0 | 19.6 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 202741 | 20.0 | 19.0 | |
| 108 4-Ethyltoluene | 105 | 9.258 | 9.258 | 0.000 | 99 | 255552 | 20.0 | 19.6 | |
| 109 1,2,3-Trichloropropane | 110 | 9.352 | 9.352 | 0.000 | 96 | 14817 | 20.0 | 17.8 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 217306 | 20.0 | 19.0 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.480 | 9.480 | 0.000 | 87 | 15621 | 20.0 | 19.1 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 98 | 187087 | 20.0 | 19.6 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 179224 | 20.0 | 19.5 | |
| 115 Butyl Methacrylate | 87 | 10.011 | 10.011 | 0.000 | 56 | 71986 | 20.0 | 18.5 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 96 | 222302 | 20.0 | 19.0 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 272769 | 20.0 | 19.4 | |
| 117 1,3-Dichlorobenzene | 146 | 10.433 | 10.433 | 0.000 | 95 | 119708 | 20.0 | 19.3 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 235394 | 20.0 | 19.5 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 198435 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 94 | 125660 | 20.0 | 19.0 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 232144 | 20.0 | 19.6 | |
| 122 2,3-Dihydroindene | 117 | 10.870 | 10.870 | 0.000 | 94 | 226574 | 20.0 | 19.3 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 97 | 21801 | 20.0 | 21.3 | |
| 124 p-Diethylbenzene | 119 | 11.063 | 11.063 | 0.000 | 93 | 126619 | 20.0 | 20.1 | |
| 125 n-Butylbenzene | 91 | 11.149 | 11.149 | 0.000 | 98 | 222962 | 20.0 | 20.3 | |
| 126 1,2-Dichlorobenzene | 146 | 11.257 | 11.257 | 0.000 | 96 | 116763 | 20.0 | 20.0 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 221124 | 20.0 | 19.7 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.310 | 12.310 | 0.000 | 89 | 8194 | 20.0 | 16.0 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 91447 | 20.0 | 20.0 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 93 | 80177 | 20.0 | 19.5 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 94 | 35936 | 20.0 | 19.7 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 153061 | 20.0 | 18.6 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 95 | 66416 | 20.0 | 18.9 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.3 | |

| 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 | 37.8 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 39.0 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 96.2 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00087 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00280 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

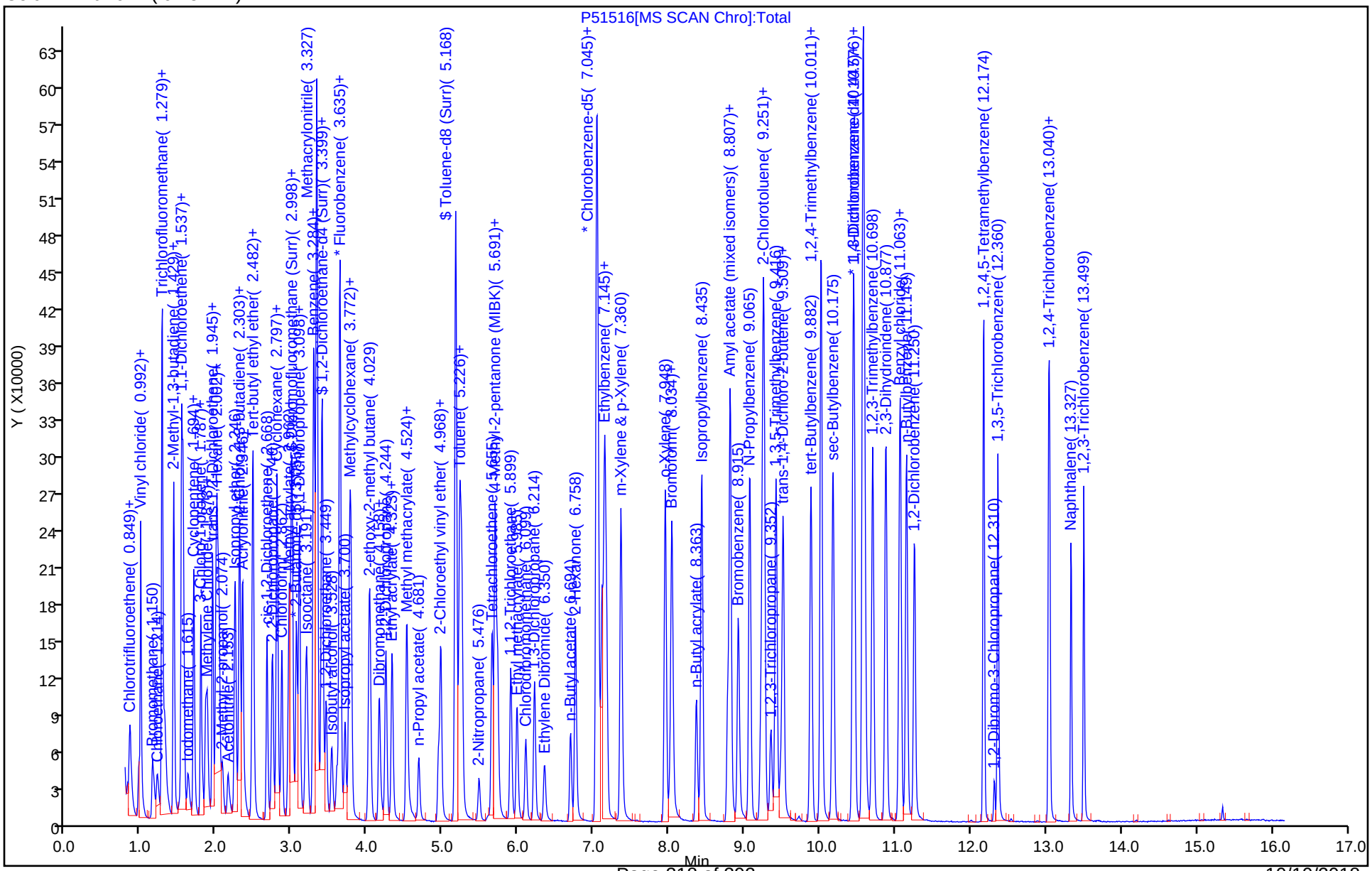
Report Date: 08-Oct-2018 18:50:48 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51516.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 07-Oct-2018 19:36:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | CCVIS | | | Worklist Smp#: | 2 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 1 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558499/2 Calibration Date: 10/08/2018 20:42

Instrument ID: CVOAMS13 Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/05/2018 21:11

Lab File ID: P51574.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 | 0.1142 | 0.1136 | | 19.9 | 20.0 | -0.5 | 20.0 |
| Dichlorodifluoromethane | Ave | 0.3063 | 0.3392 | 0.1000 | 22.2 | 20.0 | 10.8 | 20.0 |
| Chloromethane | Ave | 0.3017 | 0.2401 | 0.1000 | 15.9 | 20.0 | -20.4* | 20.0 |
| Butadiene | Ave | 0.2691 | 0.2672 | | 19.9 | 20.0 | -0.7 | 20.0 |
| Vinyl chloride | Ave | 0.3199 | 0.3068 | 0.1000 | 19.2 | 20.0 | -4.1 | 20.0 |
| Bromomethane | Ave | 3.026 | 3.250 | 0.1000 | 21.5 | 20.0 | 7.4 | 50.0 |
| Chloroethane | Lin2 | | 0.2305 | 0.1000 | 19.4 | 20.0 | -3.1 | 50.0 |
| Pentane | Lin2 | | 3.150 | | 59.0 | 40.0 | 47.4* | 20.0 |
| Trichlorofluoromethane | Ave | 0.4144 | 0.5021 | 0.1000 | 24.2 | 20.0 | 21.2* | 20.0 |
| Dichlorofluoromethane | Ave | 0.5766 | 0.5651 | | 19.6 | 20.0 | -2.0 | 20.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3925 | 0.3711 | | 18.9 | 20.0 | -5.5 | 20.0 |
| Ethyl ether | Ave | 0.2559 | 0.2141 | | 16.7 | 20.0 | -16.3 | 20.0 |
| Ethanol | QuaF | | 0.0339 | | 481 | 800 | -39.9 | 50.0 |
| 1,2-Dichloro-1,1,2-trifluoro ethane | Ave | 0.3727 | 0.3508 | | 18.8 | 20.0 | -5.9 | 20.0 |
| 1,1-Dichloroethene | Ave | 0.2716 | 0.2611 | 0.1000 | 19.2 | 20.0 | -3.9 | 20.0 |
| Carbon disulfide | Ave | 0.9644 | 0.7340 | 0.1000 | 15.2 | 20.0 | -23.9 | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | Ave | 0.2419 | 0.2769 | 0.1000 | 22.9 | 20.0 | 14.4 | 20.0 |
| Iodomethane | Ave | 0.4356 | 0.2458 | | 11.3 | 20.0 | -43.6* | 20.0 |
| Cyclopentene | Ave | 0.6832 | 0.6776 | | 19.8 | 20.0 | -0.8 | 20.0 |
| Acrolein | Qua2 | | 1.755 | | 63.8 | 40.0 | 59.6* | 50.0 |
| Allyl chloride | Ave | 0.1858 | 0.1693 | | 18.2 | 20.0 | -8.9 | 20.0 |
| Isopropyl alcohol | QuaF | | 0.7251 | | 203 | 200 | 1.4 | 50.0 |
| Methylene Chloride | Ave | 0.3533 | 0.3008 | 0.1000 | 17.0 | 20.0 | -14.9 | 20.0 |
| Acetone | Qua2 | | 0.7862 | 0.0500 | 104 | 100 | 3.6 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.3150 | 0.2962 | 0.1000 | 18.8 | 20.0 | -6.0 | 20.0 |
| Methyl acetate | Ave | 0.1691 | 0.1398 | 0.1000 | 33.1 | 40.0 | -17.3 | 20.0 |
| Hexane | Ave | 0.0623 | 0.0792 | | 25.4 | 20.0 | 27.1* | 20.0 |
| Methyl tert-butyl ether | Ave | 0.9139 | 0.7995 | 0.1000 | 17.5 | 20.0 | -12.5 | 20.0 |
| 2-Methyl-2-propanol | Qua2 | | 1.287 | | 206 | 200 | 2.8 | 50.0 |
| Acetonitrile | Ave | 1.488 | 1.349 | | 181 | 200 | -9.4 | 20.0 |
| Isopropyl ether | Ave | 1.045 | 0.8373 | | 16.0 | 20.0 | -19.9 | 20.0 |
| 2-Chloro-1,3-butadiene | Ave | 0.2752 | 0.2543 | | 18.5 | 20.0 | -7.6 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.5869 | 0.5144 | 0.2000 | 17.5 | 20.0 | -12.4 | 20.0 |
| Acrylonitrile | Qua2 | | 0.0787 | | 181 | 200 | -9.7 | 20.0 |
| Tert-butyl ethyl ether | Ave | 0.9919 | 0.8611 | | 17.4 | 20.0 | -13.2 | 20.0 |
| Vinyl acetate | Ave | 0.5680 | 0.5627 | | 39.6 | 40.0 | -0.9 | 20.0 |
| cis-1,2-Dichloroethene | Ave | 0.3486 | 0.3225 | 0.1000 | 18.5 | 20.0 | -7.5 | 20.0 |
| 2,2-Dichloropropane | Ave | 0.4553 | 0.4748 | | 20.9 | 20.0 | 4.3 | 20.0 |
| Cyclohexane | Ave | 0.4537 | 0.4758 | 0.1000 | 21.0 | 20.0 | 4.9 | 50.0 |
| Chlorobromomethane | Ave | 0.1601 | 0.1518 | | 19.0 | 20.0 | -5.2 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558499/2 Calibration Date: 10/08/2018 20:42

Instrument ID: CVOAMS13 Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/05/2018 21:11

Lab File ID: P51574.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 | 0.5532 | 0.5126 | 0.2000 | 18.5 | 20.0 | -7.3 | 20.0 |
| Carbon tetrachloride | Ave | 0.3676 | 0.3143 | 0.1000 | 17.1 | 20.0 | -14.5 | 20.0 |
| Ethyl acetate | Ave | 0.3671 | 0.3655 | | 39.8 | 40.0 | -0.4 | 20.0 |
| Methyl acrylate | Ave | 0.2481 | 0.1890 | | 15.2 | 20.0 | -23.8* | 20.0 |
| Tetrahydrofuran | Ave | 1.121 | 1.099 | | 39.2 | 40.0 | -1.9 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.4754 | 0.4434 | 0.1000 | 18.7 | 20.0 | -6.7 | 20.0 |
| 2-Butanone | Ave | 0.3718 | 0.3627 | 0.0500 | 97.6 | 100 | -2.4 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.4498 | 0.4128 | | 18.4 | 20.0 | -8.2 | 20.0 |
| 2,2,4-Trimethylpentane | Ave | 0.8015 | 0.9149 | | 22.8 | 20.0 | 14.1 | 20.0 |
| Benzene | Ave | 1.546 | 1.424 | 0.5000 | 18.4 | 20.0 | -7.9 | 20.0 |
| n-Heptane | Ave | 0.1904 | 0.2281 | | 24.0 | 20.0 | 19.8 | 20.0 |
| Propionitrile | Ave | 1.765 | 1.736 | | 197 | 200 | -1.6 | 20.0 |
| Methacrylonitrile | Ave | 0.1135 | 0.0966 | | 170 | 200 | -14.9 | 20.0 |
| Tert-amyl methyl ether | Ave | 0.9111 | 0.7912 | | 17.4 | 20.0 | -13.2 | 20.0 |
| 1,2-Dichloroethane | Ave | 0.4673 | 0.3973 | 0.1000 | 17.0 | 20.0 | -15.0 | 20.0 |
| Isobutyl alcohol | Ave | 0.4945 | 0.4184 | | 423 | 500 | -15.4 | 50.0 |
| Isopropyl acetate | Ave | 0.5472 | 0.4242 | | 15.5 | 20.0 | -22.5* | 20.0 |
| Methylcyclohexane | Ave | 0.4874 | 0.5311 | 0.1000 | 21.8 | 20.0 | 9.0 | 50.0 |
| Trichloroethene | Ave | 0.3311 | 0.3135 | 0.2000 | 18.9 | 20.0 | -5.3 | 20.0 |
| Dibromomethane | Ave | 0.1954 | 0.1730 | | 17.7 | 20.0 | -11.4 | 20.0 |
| n-Butanol | Ave | 0.2905 | 0.2722 | | 468 | 500 | -6.3 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.3278 | 0.2911 | 0.1000 | 17.8 | 20.0 | -11.2 | 20.0 |
| Bromodichloromethane | Ave | 0.4346 | 0.3589 | 0.2000 | 16.5 | 20.0 | -17.4 | 20.0 |
| Ethyl acrylate | Ave | 0.3383 | 0.2707 | | 16.0 | 20.0 | -20.0 | 20.0 |
| Methyl methacrylate | Ave | 0.0748 | 0.0679 | | 36.3 | 40.0 | -9.2 | 20.0 |
| 1,4-Dioxane | Ave | 1.312 | 1.379 | | 420 | 400 | 5.1 | 50.0 |
| n-Propyl acetate | Ave | 0.3543 | 0.2812 | | 15.9 | 20.0 | -20.6* | 20.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1867 | 0.1630 | | 17.5 | 20.0 | -12.7 | 20.0 |
| cis-1,3-Dichloropropene | Ave | 0.6063 | 0.5381 | 0.2000 | 17.8 | 20.0 | -11.2 | 50.0 |
| Toluene | Ave | 1.699 | 1.589 | 0.4000 | 18.7 | 20.0 | -6.4 | 20.0 |
| Epichlorohydrin | QuaF | | 0.5609 | | 670 | 400 | 67.5* | 20.0 |
| 2-Nitropropane | Ave | 0.0827 | 0.0587 | | 28.4 | 40.0 | -29.1* | 20.0 |
| Tetrachloroethene | Ave | 0.3954 | 0.3842 | 0.2000 | 19.4 | 20.0 | -2.9 | 20.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 2.850 | 2.631 | 0.0500 | 92.3 | 100 | -7.7 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.5256 | 0.4740 | 0.1000 | 18.0 | 20.0 | -9.8 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2815 | 0.2426 | 0.1000 | 17.2 | 20.0 | -13.8 | 20.0 |
| Ethyl methacrylate | Ave | 0.3663 | 0.3064 | | 16.7 | 20.0 | -16.4 | 20.0 |
| Dibromochloromethane | Ave | 0.3437 | 0.2506 | 0.1000 | 14.6 | 20.0 | -27.1 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5447 | 0.4973 | | 18.3 | 20.0 | -8.7 | 20.0 |
| Ethylene Dibromide | Ave | 0.3069 | 0.2936 | 0.1000 | 19.1 | 20.0 | -4.3 | 20.0 |
| n-Butyl acetate | Ave | 0.4701 | 0.3641 | | 15.5 | 20.0 | -22.5* | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558499/2 Calibration Date: 10/08/2018 20:42

Instrument ID: CVOAMS13 Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/05/2018 21:11

Lab File ID: P51574.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 | 1.889 | 1.807 | 0.0500 | 95.7 | 100 | -4.3 | 50.0 |
| Chlorobenzene | Ave | 1.066 | 0.9890 | 0.5000 | 18.6 | 20.0 | -7.2 | 20.0 |
| Ethylbenzene | Ave | 0.5952 | 0.5540 | 0.1000 | 18.6 | 20.0 | -6.9 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.3508 | 0.2972 | | 16.9 | 20.0 | -15.3 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.7242 | 0.6707 | 0.1000 | 18.5 | 20.0 | -7.4 | 20.0 |
| o-Xylene | Ave | 0.6975 | 0.6676 | 0.3000 | 19.1 | 20.0 | -4.3 | 20.0 |
| Bromoform | Ave | 0.2151 | 0.1293 | 0.1000 | 12.0 | 20.0 | -39.9* | 20.0 |
| Styrene | Ave | 1.151 | 1.127 | 0.3000 | 19.6 | 20.0 | -2.1 | 20.0 |
| n-Butyl acrylate | Ave | 0.2537 | 0.2011 | | 15.9 | 20.0 | -20.7* | 20.0 |
| Isopropylbenzene | Ave | 1.822 | 1.749 | 0.1000 | 19.2 | 20.0 | -4.0 | 20.0 |
| Amyl acetate (mixed isomers) | Ave | 1.060 | 0.8069 | | 15.2 | 20.0 | -23.9* | 20.0 |
| Bromobenzene | Ave | 0.8061 | 0.7478 | | 18.6 | 20.0 | -7.2 | 20.0 |
| N-Propylbenzene | Ave | 3.816 | 3.577 | | 18.7 | 20.0 | -6.3 | 20.0 |
| 1,1,2,2-Tetrachloroethane | Qua2 | | 0.5448 | 0.3000 | 17.1 | 20.0 | -14.3 | 20.0 |
| 2-Chlorotoluene | Ave | 2.692 | 2.426 | | 18.0 | 20.0 | -9.9 | 20.0 |
| 4-Ethyltoluene | Ave | 3.293 | 3.058 | | 18.6 | 20.0 | -7.1 | 20.0 |
| 1,2,3-Trichloropropane | Ave | 0.2098 | 0.1699 | | 16.2 | 20.0 | -19.1 | 20.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.883 | 2.559 | | 17.7 | 20.0 | -11.3 | 20.0 |
| trans-1,4-Dichloro-2-butene | Qua2 | | 0.1690 | | 16.4 | 20.0 | -17.9 | 20.0 |
| 4-Chlorotoluene | Ave | 2.406 | 2.210 | | 18.4 | 20.0 | -8.1 | 20.0 |
| tert-Butylbenzene | Ave | 2.313 | 2.157 | | 18.6 | 20.0 | -6.8 | 20.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.942 | 2.677 | | 18.2 | 20.0 | -9.0 | 20.0 |
| Butyl Methacrylate | Ave | 0.9829 | 0.7986 | | 16.2 | 20.0 | -18.8 | 20.0 |
| sec-Butylbenzene | Ave | 3.540 | 3.269 | | 18.5 | 20.0 | -7.6 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.564 | 1.433 | 0.6000 | 18.3 | 20.0 | -8.4 | 20.0 |
| 4-Isopropyltoluene | Ave | 3.041 | 2.868 | | 18.9 | 20.0 | -5.7 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.664 | 1.513 | 0.5000 | 18.2 | 20.0 | -9.1 | 20.0 |
| 1,2,3-Trimethylbenzene | Ave | 2.991 | 2.743 | | 18.3 | 20.0 | -8.3 | 20.0 |
| Indan | Ave | 2.953 | 2.696 | | 18.3 | 20.0 | -8.7 | 20.0 |
| Benzyl chloride | Ave | 0.2583 | 0.2294 | | 17.8 | 20.0 | -11.2 | 50.0 |
| p-Diethylbenzene | Ave | 1.589 | 1.518 | | 19.1 | 20.0 | -4.4 | 20.0 |
| n-Butylbenzene | Ave | 2.768 | 2.696 | | 19.5 | 20.0 | -2.6 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.472 | 1.352 | 0.4000 | 18.4 | 20.0 | -8.2 | 20.0 |
| 1,2,4,5-Tetramethylbenzene | Ave | 2.832 | 2.646 | | 18.7 | 20.0 | -6.6 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1290 | 0.0781 | 0.0500 | 12.1 | 20.0 | -39.5 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 1.152 | 1.102 | | 19.1 | 20.0 | -4.3 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 1.038 | 0.9291 | 0.2000 | 17.9 | 20.0 | -10.5 | 20.0 |
| Hexachlorobutadiene | Ave | 0.4599 | 0.4343 | | 18.9 | 20.0 | -5.6 | 20.0 |
| Naphthalene | Ave | 2.075 | 1.678 | | 16.2 | 20.0 | -19.1 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.8835 | 0.7565 | | 17.1 | 20.0 | -14.4 | 20.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2303 | 0.2251 | | 48.9 | 50.0 | -2.3 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Lab Sample ID: CCVIS 460-558499/2  Calibration Date: 10/08/2018 20:42

Instrument ID: CVOAMS13  Calib Start Date: 10/05/2018 18:07

GC Column: Rtx-624  ID: 0.25(mm)  Calib End Date: 10/05/2018 21:11

Lab File ID: P51574.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 | 0.2959 | 0.2781 | | 47.0 | 50.0 | -6.0 | 20.0 |
| Toluene-d8 (Surr) | Ave | 1.136 | 1.105 | | 48.7 | 50.0 | -2.7 | 20.0 |
| Bromofluorobenzene | Ave | 0.3523 | 0.3497 | | 49.6 | 50.0 | -0.7 | 20.0 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51574.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Oct-2018 20:42:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0079950-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub51

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 08:03:10 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: colladox Date: 08-Oct-2018 20:08:51

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 89 | 17892 | 20.0 | 19.9 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 53442 | 20.0 | 22.2 | |
| 3 Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 100 | 37824 | 20.0 | 15.9 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 42094 | 20.0 | 19.9 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 66 | 48325 | 20.0 | 19.2 | |
| 6 Bromomethane | 94 | 1.150 | 1.150 | 0.000 | 99 | 39013 | 20.0 | 21.5 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 100 | 36308 | 20.0 | 19.4 | |
| 9 Pentane | 72 | 1.272 | 1.272 | 0.000 | 94 | 16166 | 40.0 | 59.0 | |
| 8 Trichlorofluoromethane | 101 | 1.272 | 1.272 | 0.000 | 79 | 79101 | 20.0 | 24.2 | |
| 10 Dichlorofluoromethane | 67 | 1.308 | 1.308 | 0.000 | 99 | 89015 | 20.0 | 19.6 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 98 | 58453 | 20.0 | 18.9 | |
| 12 Ethyl ether | 59 | 1.437 | 1.437 | 0.000 | 93 | 33727 | 20.0 | 16.7 | |
| 13 Ethanol | 46 | 1.508 | 1.508 | 0.000 | 97 | 3484 | 800.0 | 480.9 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.530 | 1.530 | 0.000 | 85 | 55267 | 20.0 | 18.8 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 99 | 41127 | 20.0 | 19.2 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 115624 | 20.0 | 15.2 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.558 | 0.000 | 98 | 43620 | 20.0 | 22.9 | |
| 18 Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 99 | 38729 | 20.0 | 11.3 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 106743 | 20.0 | 19.8 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 97 | 9007 | 40.0 | 63.8 | |
| 21 3-Chloro-1-propene | 76 | 1.787 | 1.787 | 0.000 | 87 | 26673 | 20.0 | 18.2 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 96 | 18606 | 200.0 | 202.9 | |
| 23 Methylene Chloride | 84 | 1.852 | 1.852 | 0.000 | 92 | 47384 | 20.0 | 17.0 | |
| 24 Acetone | 43 | 1.873 | 1.873 | 0.000 | 86 | 47183 | 100.0 | 103.6 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 95 | 46665 | 20.0 | 18.8 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 44046 | 40.0 | 33.1 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 94 | 12477 | 20.0 | 25.4 | |
| 28 Methyl tert-butyl ether | 73 | 2.010 | 2.010 | 0.000 | 96 | 125942 | 20.0 | 17.5 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 128301 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.074 | 2.074 | 0.000 | 98 | 33013 | 200.0 | 205.5 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 31 Acetonitrile | 41 | 2.146 | 2.146 | 0.000 | 98 | 34605 | 200.0 | 181.3 | |
| 32 Isopropyl ether | 45 | 2.246 | 2.246 | 0.000 | 93 | 131905 | 20.0 | 16.0 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.296 | 0.000 | 94 | 40059 | 20.0 | 18.5 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 81032 | 20.0 | 17.5 | |
| 35 Acrylonitrile | 53 | 2.339 | 2.339 | 0.000 | 94 | 123897 | 200.0 | 180.6 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 89 | 135645 | 20.0 | 17.4 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 177284 | 40.0 | 39.6 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.669 | 0.000 | 98 | 50811 | 20.0 | 18.5 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 74802 | 20.0 | 20.9 | |
| 40 Cyclohexane | 56 | 2.797 | 2.797 | 0.000 | 90 | 74957 | 20.0 | 21.0 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.805 | 0.000 | 81 | 23914 | 20.0 | 19.0 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 80756 | 20.0 | 18.5 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 96 | 49513 | 20.0 | 17.1 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 8775 | 40.0 | 39.8 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 93 | 29779 | 20.0 | 15.2 | |
| 46 Tetrahydrofuran | 42 | 2.977 | 2.977 | 0.000 | 93 | 26390 | 40.0 | 39.2 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.991 | 2.991 | 0.000 | 96 | 88640 | 50.0 | 48.9 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 97 | 69854 | 20.0 | 18.7 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 150041 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.091 | 3.091 | 0.000 | 99 | 21770 | 100.0 | 97.6 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 95 | 65028 | 20.0 | 18.4 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 144121 | 20.0 | 22.8 | |
| 53 n-Heptane | 57 | 3.285 | 3.285 | 0.000 | 86 | 35929 | 20.0 | 24.0 | |
| 54 Benzene | 78 | 3.285 | 3.285 | 0.000 | 97 | 190002 | 20.0 | 18.4 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 95 | 44534 | 200.0 | 196.7 | |
| 56 Methacrylonitrile | 67 | 3.328 | 3.328 | 0.000 | 91 | 152135 | 200.0 | 170.1 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.392 | 0.000 | 0 | 109530 | 50.0 | 47.0 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 124647 | 20.0 | 17.4 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 97 | 62591 | 20.0 | 17.0 | |
| 60 Isobutyl alcohol | 43 | 3.521 | 3.521 | 0.000 | 98 | 26842 | 500.0 | 423.0 | |
| 61 t-Amyl alcohol | 59 | 3.593 | 3.593 | 0.000 | 96 | 21695 | 200.0 | 183.6 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.636 | 0.000 | 98 | 393838 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 66820 | 20.0 | 15.5 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 95 | 83659 | 20.0 | 21.8 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 49379 | 20.0 | 18.9 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.022 | 4.022 | 0.000 | 93 | 113210 | 20.0 | 17.8 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 95 | 27259 | 20.0 | 17.7 | |
| 68 n-Butanol | 56 | 4.166 | 4.166 | 0.000 | 90 | 17459 | 500.0 | 468.4 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 86 | 45857 | 20.0 | 17.8 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 74 | 42651 | 20.0 | 16.0 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 56540 | 20.0 | 16.5 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 13571 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 87 | 21392 | 40.0 | 36.3 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 96 | 7485 | 400.0 | 420.3 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 44294 | 20.0 | 15.9 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.939 | 4.939 | 0.000 | 96 | 25672 | 20.0 | 17.5 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.968 | 4.968 | 0.000 | 97 | 71796 | 20.0 | 17.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 368689 | 50.0 | 48.7 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 92 | 212069 | 20.0 | 18.7 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.247 | 0.000 | 99 | 134660 | 400.0 | 669.9 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 98 | 18481 | 40.0 | 28.4 | |
| 82 Tetrachloroethene | 166 | 5.648 | 5.648 | 0.000 | 98 | 51256 | 20.0 | 19.4 | |

| 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 | 5.691 | 5.691 | 0.000 | 97 | 157880 | 100.0 | 92.3 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.727 | 5.727 | 0.000 | 95 | 63245 | 20.0 | 18.0 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 32373 | 20.0 | 17.2 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.985 | 0.000 | 88 | 48263 | 20.0 | 16.7 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.100 | 0.000 | 98 | 33435 | 20.0 | 14.6 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 93 | 66350 | 20.0 | 18.3 | |
| 89 Ethylene Dibromide | 107 | 6.350 | 6.350 | 0.000 | 98 | 39175 | 20.0 | 19.1 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 48579 | 20.0 | 15.5 | |
| 91 2-Hexanone | 43 | 6.759 | 6.759 | 0.000 | 97 | 108465 | 100.0 | 95.7 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 88 | 333548 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 96 | 131957 | 20.0 | 18.6 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 73914 | 20.0 | 18.6 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 93 | 39646 | 20.0 | 16.9 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 89486 | 20.0 | 18.5 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 89065 | 20.0 | 19.1 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 94 | 17248 | 20.0 | 12.0 | |
| 99 Styrene | 104 | 8.034 | 8.034 | 0.000 | 95 | 150398 | 20.0 | 19.6 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 96 | 26832 | 20.0 | 15.9 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 233361 | 20.0 | 19.2 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.779 | 8.779 | 0.000 | 91 | 63236 | 20.0 | 15.2 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.807 | 8.807 | 0.000 | 90 | 116628 | 50.0 | 49.6 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 96 | 58607 | 20.0 | 18.6 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.065 | 0.000 | 99 | 280285 | 20.0 | 18.7 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.216 | 9.216 | 0.000 | 97 | 42693 | 20.0 | 17.1 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 190108 | 20.0 | 18.0 | |
| 108 4-Ethyltoluene | 105 | 9.259 | 9.259 | 0.000 | 99 | 239669 | 20.0 | 18.6 | |
| 109 1,2,3-Trichloropropane | 110 | 9.352 | 9.352 | 0.000 | 95 | 13311 | 20.0 | 16.2 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 200510 | 20.0 | 17.7 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.481 | 9.481 | 0.000 | 86 | 13247 | 20.0 | 16.4 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 99 | 173230 | 20.0 | 18.4 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 169018 | 20.0 | 18.6 | |
| 115 Butyl Methacrylate | 87 | 10.018 | 10.018 | 0.000 | 53 | 62585 | 20.0 | 16.2 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 96 | 209809 | 20.0 | 18.2 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 256222 | 20.0 | 18.5 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.440 | 0.000 | 94 | 112330 | 20.0 | 18.3 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 224796 | 20.0 | 18.9 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 195920 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 95 | 118532 | 20.0 | 18.2 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 214983 | 20.0 | 18.3 | |
| 122 2,3-Dihydroindene | 117 | 10.870 | 10.870 | 0.000 | 94 | 211250 | 20.0 | 18.3 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 98 | 17979 | 20.0 | 17.8 | |
| 124 p-Diethylbenzene | 119 | 11.064 | 11.064 | 0.000 | 93 | 118985 | 20.0 | 19.1 | |
| 125 n-Butylbenzene | 91 | 11.150 | 11.150 | 0.000 | 98 | 211266 | 20.0 | 19.5 | |
| 126 1,2-Dichlorobenzene | 146 | 11.250 | 11.250 | 0.000 | 96 | 105917 | 20.0 | 18.4 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 207389 | 20.0 | 18.7 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.317 | 0.000 | 89 | 6119 | 20.0 | 12.1 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 86334 | 20.0 | 19.1 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 94 | 72808 | 20.0 | 17.9 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 96 | 34034 | 20.0 | 18.9 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 131497 | 20.0 | 16.2 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 96 | 59284 | 20.0 | 17.1 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 37.3 | |

| 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 | 35.8 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 37.7 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 93.4 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00087 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00280 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 09-Oct-2018 08:03:12 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51574.D

Injection Date: 08-Oct-2018 20:42:30 Instrument ID: CVOAMS13 Operator ID:

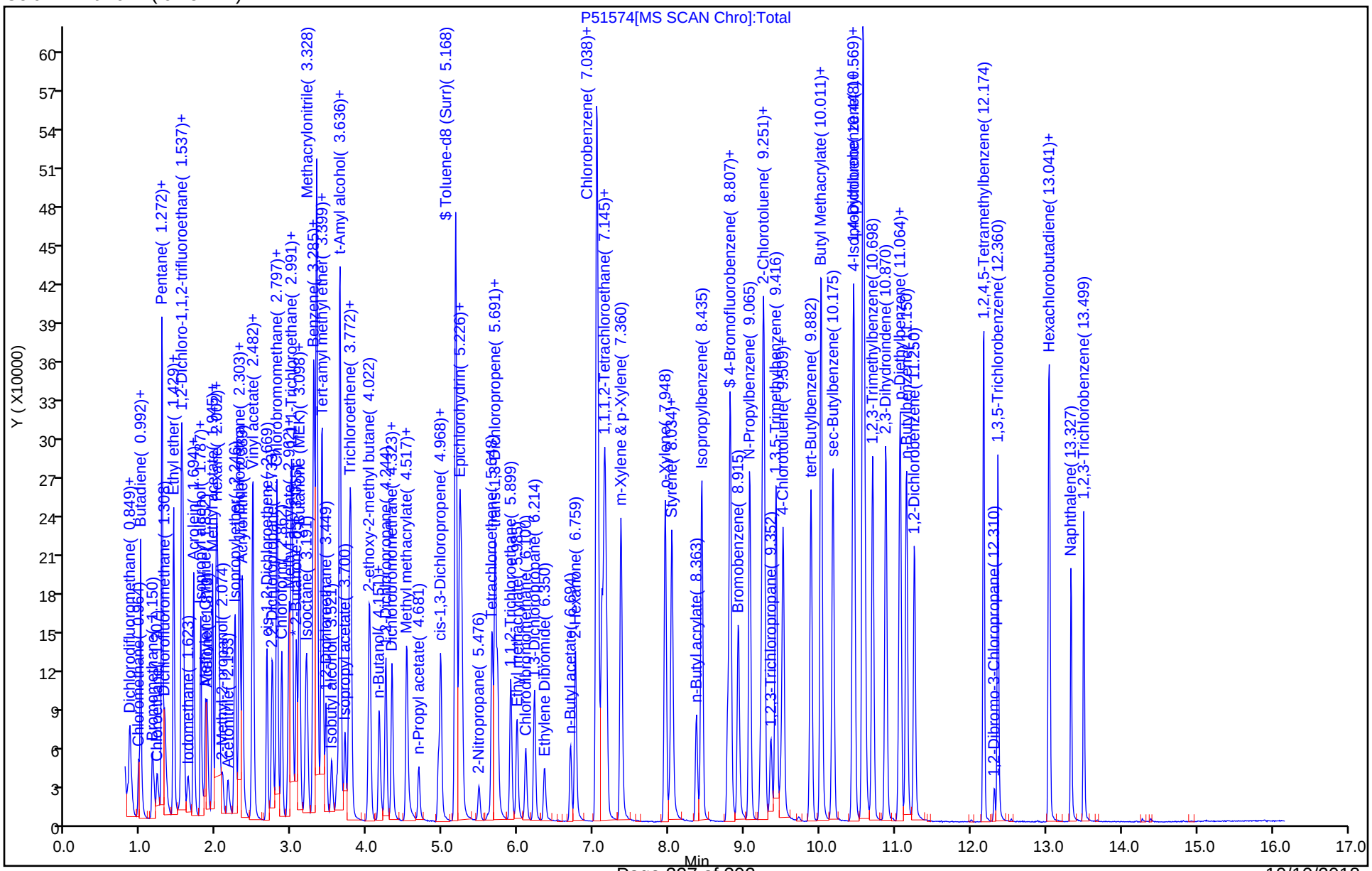
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

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

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51402.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Oct-2018 17:26:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0079797-001
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 15:02:58 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: martineze Date: 05-Oct-2018 16:33:53

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 78 Toluene-d8 (Surr) | 98 | 4.889 | 4.889 | 0.000 | 7 | 37 | NR | NR | |
| $ 139 BFB | 95 | 2.136 | 2.136 | 0.000 | 87 | 35687 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

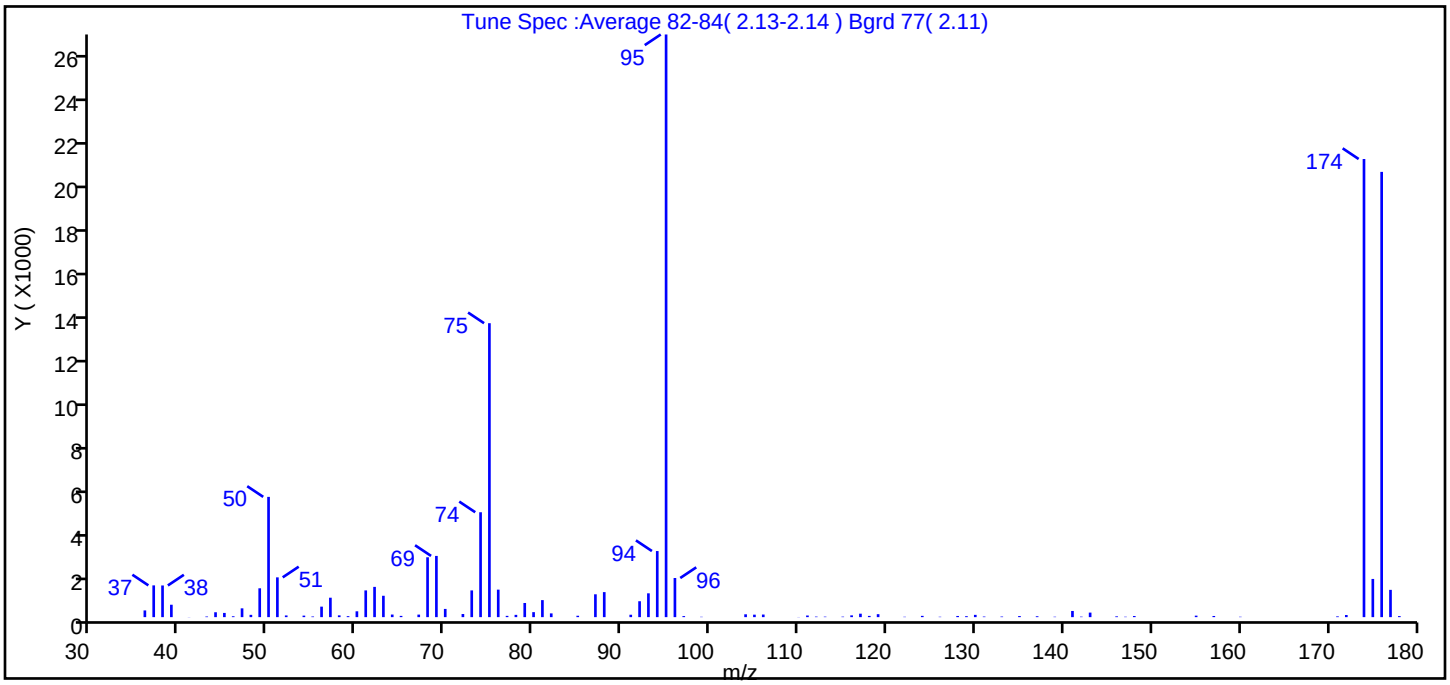
BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51402.D
Injection Date: 05-Oct-2018 17:26:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 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 | 20.6 |
| 75 | 30 to 60% of m/z 95 | 50.4 |
| 96 | 5 to 9% of m/z 95 | 6.7 |
| 173 | Less than 2% of m/z 174 | 0.0 (0.0) |
| 174 | 50 to 120% of m/z 95 | 78.6 |
| 175 | 5 to 9% of m/z 174 | 6.6 (8.3) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 76.4 (97.2) |
| 177 | 5 to 9% of m/z 176 | 4.7 (6.1) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51402.D\8260W_13.rslt\spectra.d
Injection Date: 05-Oct-2018 17:26:30
Spectrum: Tune Spec :Average 82-84( 2.13-2.14 ) Bgrd 77( 2.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 92

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 309 | 62.00 | 1392 | 92.00 | 732 | 129.00 | 44 |
| 37.00 | 1461 | 63.00 | 983 | 93.00 | 1096 | 130.00 | 105 |
| 38.00 | 1457 | 64.00 | 120 | 94.00 | 3040 | 131.00 | 27 |
| 39.00 | 571 | 65.00 | 58 | 95.00 | 26800 | 133.00 | 27 |
| 41.00 | 6 | 67.00 | 117 | 96.00 | 1800 | 135.00 | 50 |
| 43.00 | 29 | 68.00 | 2754 | 97.00 | 48 | 137.00 | 41 |
| 44.00 | 225 | 69.00 | 2816 | 99.00 | 16 | 139.00 | 19 |
| 45.00 | 194 | 70.00 | 378 | 104.00 | 131 | 141.00 | 284 |
| 46.00 | 40 | 72.00 | 144 | 105.00 | 114 | 142.00 | 23 |
| 47.00 | 405 | 73.00 | 1230 | 106.00 | 120 | 143.00 | 209 |
| 48.00 | 106 | 74.00 | 4825 | 110.00 | 7 | 146.00 | 37 |
| 49.00 | 1327 | 75.00 | 13520 | 111.00 | 75 | 147.00 | 19 |
| 50.00 | 5532 | 76.00 | 1265 | 112.00 | 25 | 148.00 | 51 |
| 51.00 | 1830 | 77.00 | 59 | 113.00 | 23 | 155.00 | 69 |
| 52.00 | 78 | 78.00 | 105 | 115.00 | 23 | 157.00 | 53 |
| 54.00 | 70 | 79.00 | 651 | 116.00 | 82 | 160.00 | 18 |
| 55.00 | 30 | 80.00 | 230 | 117.00 | 159 | 171.00 | 35 |
| 56.00 | 483 | 81.00 | 783 | 118.00 | 57 | 172.00 | 97 |
| 57.00 | 894 | 82.00 | 173 | 119.00 | 136 | 174.00 | 21072 |
| 58.00 | 82 | 85.00 | 64 | 122.00 | 17 | 175.00 | 1757 |
| 59.00 | 45 | 87.00 | 1051 | 124.00 | 59 | 176.00 | 20480 |
| 60.00 | 269 | 88.00 | 1151 | 126.00 | 18 | 177.00 | 1255 |
| 61.00 | 1230 | 91.00 | 111 | 128.00 | 54 | 178.00 | 47 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51515.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-Oct-2018 19:10:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0079900-001
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 10:39:49 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: colladox Date: 07-Oct-2018 18:20:26

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 139 BFB | 95 | 2.166 | 2.166 | 0.000 | 88 | 30434 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

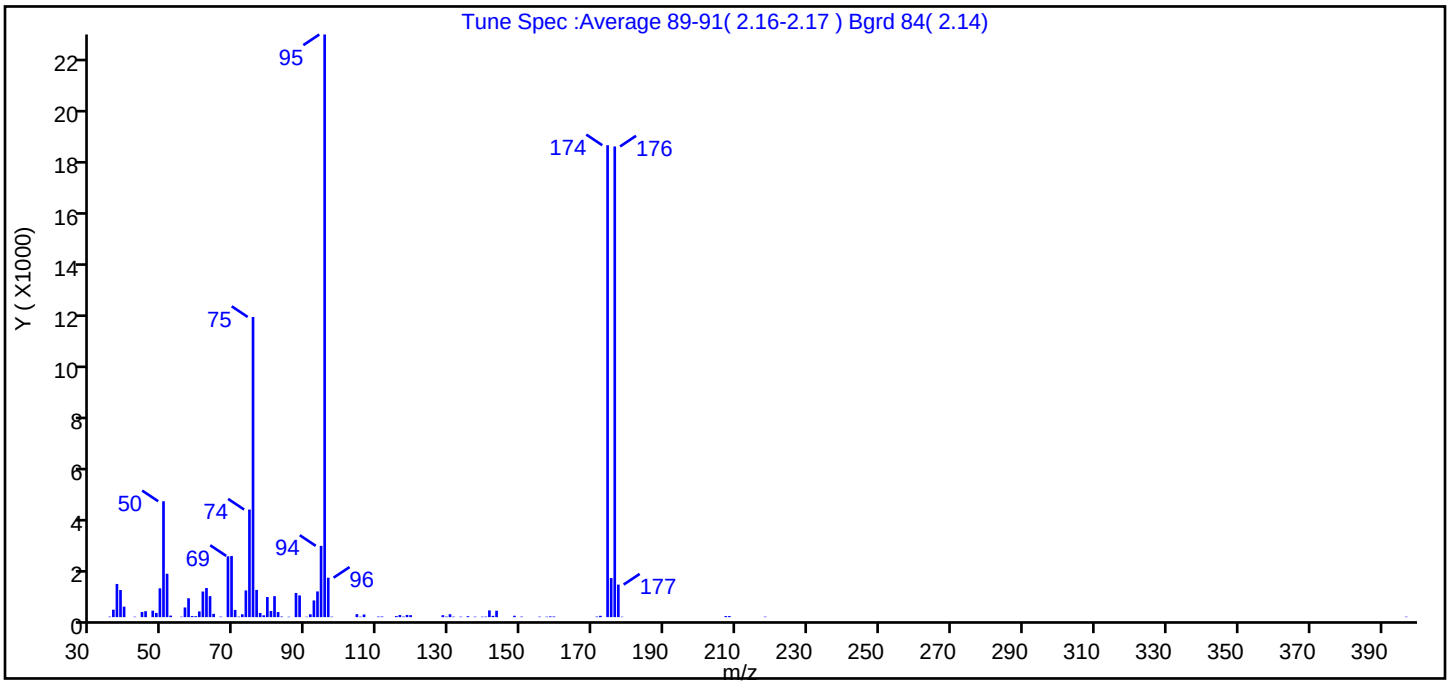
BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51515.D
Injection Date: 07-Oct-2018 19:10:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 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 | 19.9 |
| 75 | 30 to 60% of m/z 95 | 51.5 |
| 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 | 81.0 |
| 175 | 5 to 9% of m/z 174 | 6.7 (8.3) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 80.8 (99.7) |
| 177 | 5 to 9% of m/z 176 | 5.6 (6.9) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51515.D\8260W_13.rslt\spectra.d
Injection Date: 07-Oct-2018 19:10:30
Spectrum: Tune Spec :Average 89-91( 2.16-2.17 ) Bgrd 84( 2.14)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 91

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.00 | 20 | 64.00 | 127 | 92.00 | 645 | 139.00 | 18 |
| 36.00 | 288 | 66.00 | 20 | 93.00 | 994 | 140.00 | 21 |
| 37.00 | 1283 | 68.00 | 2350 | 94.00 | 2755 | 141.00 | 260 |
| 38.00 | 1048 | 69.00 | 2366 | 95.00 | 22520 | 142.00 | 50 |
| 39.00 | 407 | 70.00 | 279 | 96.00 | 1524 | 143.00 | 248 |
| 42.00 | 17 | 71.00 | 19 | 97.00 | 18 | 148.00 | 54 |
| 44.00 | 201 | 72.00 | 111 | 104.00 | 115 | 150.00 | 20 |
| 45.00 | 229 | 73.00 | 1033 | 105.00 | 17 | 155.00 | 19 |
| 47.00 | 251 | 74.00 | 4158 | 106.00 | 102 | 157.00 | 17 |
| 48.00 | 164 | 75.00 | 11602 | 110.00 | 22 | 158.00 | 28 |
| 49.00 | 1114 | 76.00 | 1052 | 111.00 | 24 | 159.00 | 25 |
| 50.00 | 4480 | 77.00 | 160 | 115.00 | 41 | 171.00 | 22 |
| 51.00 | 1677 | 78.00 | 71 | 116.00 | 82 | 172.00 | 51 |
| 52.00 | 59 | 79.00 | 778 | 117.00 | 22 | 174.00 | 18240 |
| 55.00 | 17 | 80.00 | 237 | 118.00 | 86 | 175.00 | 1512 |
| 56.00 | 374 | 81.00 | 812 | 119.00 | 76 | 176.00 | 18192 |
| 57.00 | 730 | 82.00 | 197 | 128.00 | 75 | 177.00 | 1258 |
| 58.00 | 41 | 83.00 | 22 | 129.00 | 21 | 178.00 | 16 |
| 59.00 | 37 | 85.00 | 16 | 130.00 | 112 | 207.00 | 41 |
| 60.00 | 221 | 87.00 | 935 | 131.00 | 19 | 208.00 | 40 |
| 61.00 | 990 | 88.00 | 839 | 133.00 | 18 | 218.00 | 18 |
| 62.00 | 1126 | 90.00 | 16 | 135.00 | 36 | 397.00 | 17 |
| 63.00 | 812 | 91.00 | 110 | 137.00 | 19 | | |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51573.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 08-Oct-2018 20:10:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0079950-001
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 08:03:05 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: colladox Date: 08-Oct-2018 19:21:29

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| $ 139 BFB | 95 | 2.166 | 2.166 | 0.000 | 87 | 32744 | NR | NR | |

## QC Flag Legend

Processing Flags
NR - Missing Quant Standard

## Reagents:

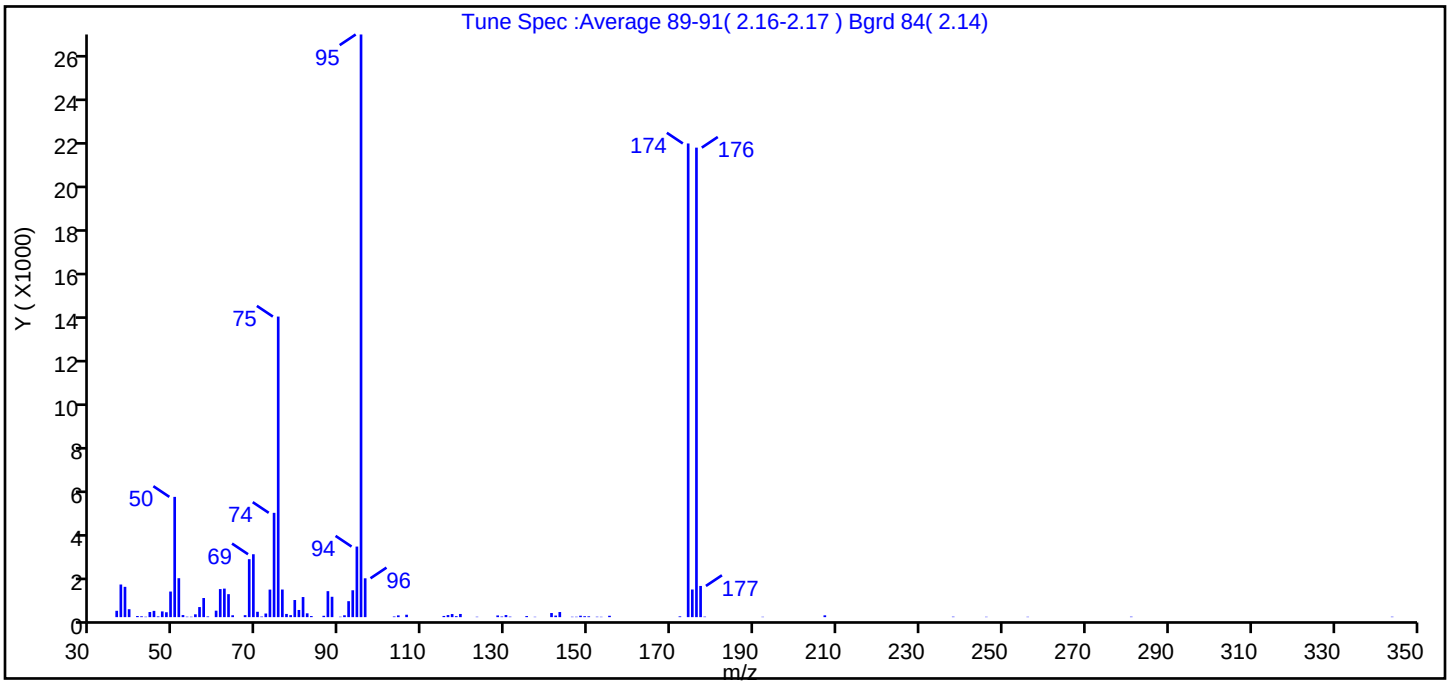
BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51573.D
Injection Date: 08-Oct-2018 20:10:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 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 | 20.6 |
| 75 | 30 to 60% of m/z 95 | 51.6 |
| 96 | 5 to 9% of m/z 95 | 6.7 |
| 173 | Less than 2% of m/z 174 | 0.0 (0.0) |
| 174 | 50 to 120% of m/z 95 | 81.3 |
| 175 | 5 to 9% of m/z 174 | 4.7 (5.8) |
| 176 | Greater than 95% but less than 101% of m/z 174 | 80.6 (99.1) |
| 177 | 5 to 9% of m/z 176 | 5.4 (6.6) |

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51573.D\8260W_13.rslt\spectra.d
Injection Date: 08-Oct-2018 20:10:30
Spectrum: Tune Spec :Average 89-91( 2.16-2.17 ) Bgrd 84( 2.14)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 93

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 292 | 62.00 | 1313 | 91.00 | 86 | 146.00 | 18 |
| 37.00 | 1502 | 63.00 | 1058 | 92.00 | 735 | 147.00 | 18 |
| 38.00 | 1395 | 64.00 | 86 | 93.00 | 1237 | 148.00 | 66 |
| 39.00 | 365 | 67.00 | 91 | 94.00 | 3248 | 149.00 | 42 |
| 41.00 | 52 | 68.00 | 2668 | 95.00 | 26816 | 150.00 | 38 |
| 42.00 | 38 | 69.00 | 2895 | 96.00 | 1788 | 152.00 | 20 |
| 43.00 | 19 | 70.00 | 247 | 103.00 | 30 | 153.00 | 16 |
| 44.00 | 235 | 71.00 | 27 | 104.00 | 81 | 155.00 | 63 |
| 45.00 | 289 | 72.00 | 167 | 106.00 | 111 | 172.00 | 36 |
| 46.00 | 33 | 73.00 | 1268 | 115.00 | 55 | 174.00 | 21800 |
| 47.00 | 264 | 74.00 | 4801 | 116.00 | 95 | 175.00 | 1272 |
| 48.00 | 225 | 75.00 | 13833 | 117.00 | 143 | 176.00 | 21608 |
| 49.00 | 1178 | 76.00 | 1271 | 118.00 | 45 | 177.00 | 1436 |
| 50.00 | 5535 | 77.00 | 148 | 119.00 | 146 | 178.00 | 23 |
| 51.00 | 1792 | 78.00 | 92 | 123.00 | 18 | 192.00 | 16 |
| 52.00 | 95 | 79.00 | 788 | 128.00 | 78 | 207.00 | 83 |
| 53.00 | 21 | 80.00 | 330 | 129.00 | 27 | 238.00 | 21 |
| 54.00 | 19 | 81.00 | 925 | 130.00 | 96 | 246.00 | 16 |
| 55.00 | 130 | 82.00 | 176 | 131.00 | 23 | 256.00 | 16 |
| 56.00 | 464 | 83.00 | 49 | 135.00 | 50 | 281.00 | 21 |
| 57.00 | 880 | 86.00 | 62 | 137.00 | 16 | 344.00 | 19 |
| 58.00 | 32 | 87.00 | 1196 | 141.00 | 190 | | |
| 60.00 | 298 | 88.00 | 937 | 142.00 | 72 | | |
| 61.00 | 1292 | 90.00 | 19 | 143.00 | 235 | | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-558208/7

Matrix: Water | Lab File ID: P51521.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2018 21:43

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-558208/7

Matrix: Water  Lab File ID: P51521.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/07/2018 21:43

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 99 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 99 | | 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.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-558208/7

Matrix: Water  Lab File ID: P51521.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/07/2018 21:43

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.: 558208  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\CVOAMS13\20181007-79900.b\P51521.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Oct-2018 21:43:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0079900-007
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:47:09 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: colladox Date: 07-Oct-2018 21:33:19

| 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 | 2.031 | 2.031 | 0.000 | 0 | 135879 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 91 | 638 | | 1.20 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.998 | 0.000 | 96 | 89189 | 50.0 | 49.3 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 155949 | 250.0 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.399 | 0.000 | 0 | 109389 | 50.0 | 47.1 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.635 | 0.000 | 98 | 392754 | 50.0 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.517 | 4.516 | 0.000 | 0 | 15073 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 363888 | 50.0 | 48.5 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 330143 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 89 | 114586 | 50.0 | 49.3 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 185215 | 50.0 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

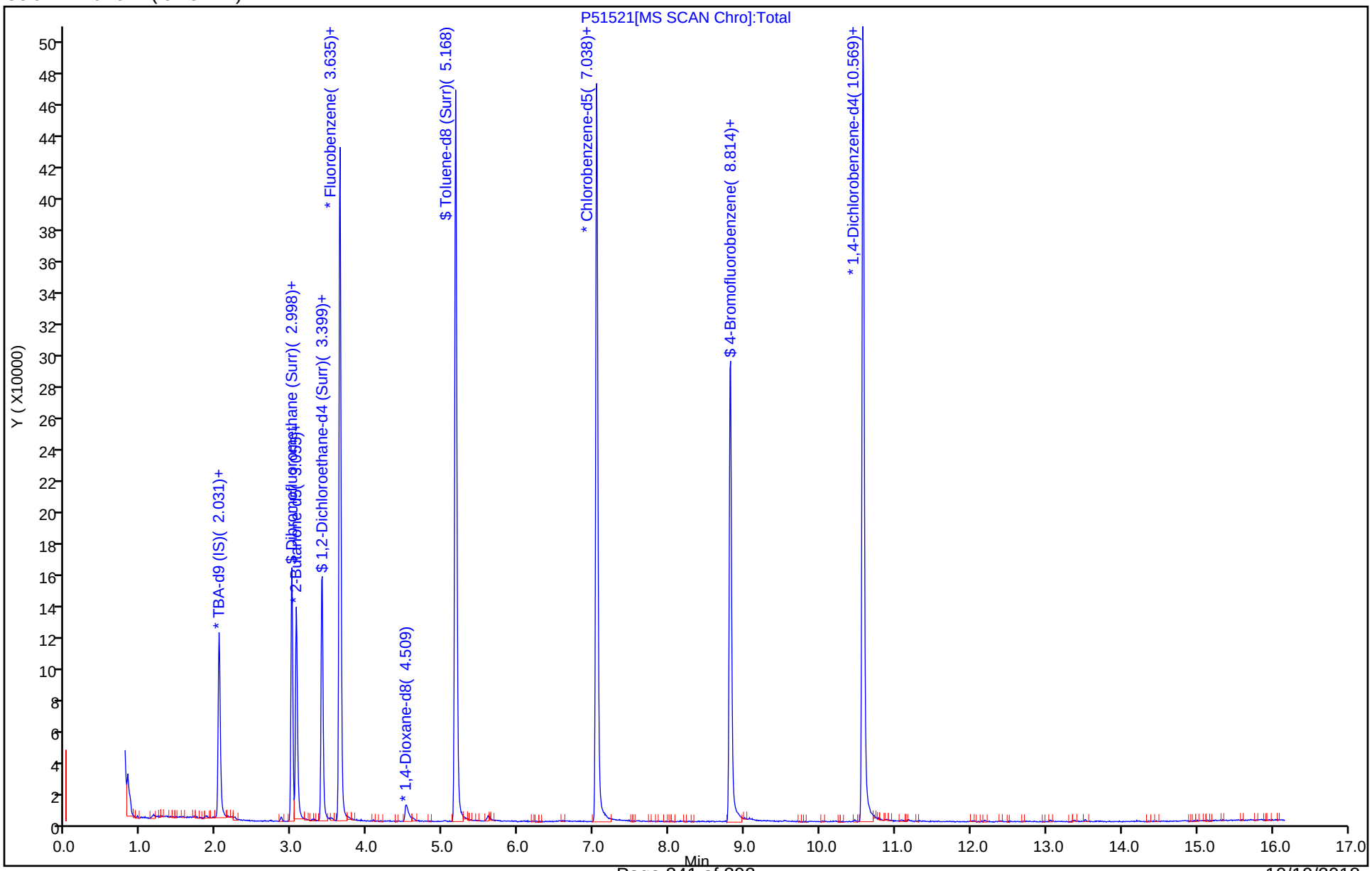
Report Date: 08-Oct-2018 18:50:35 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51521.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 07-Oct-2018 21:43:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | MB | | | Worklist Smp#: | 7 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 6 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



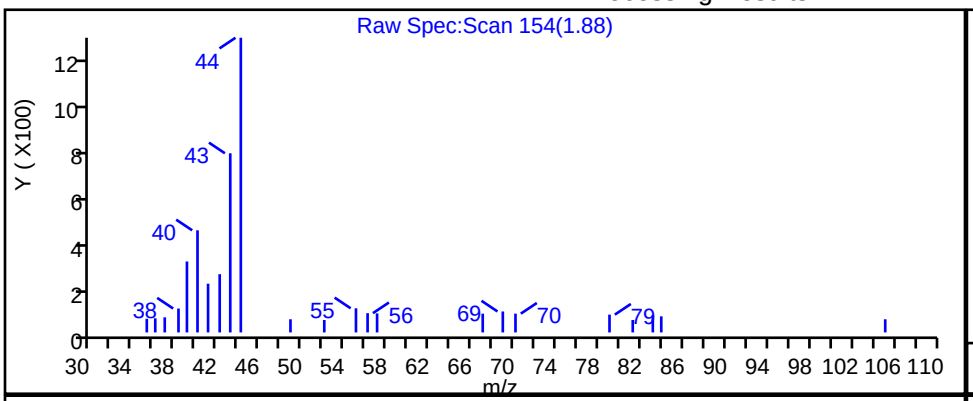
User Disabled Compound Report

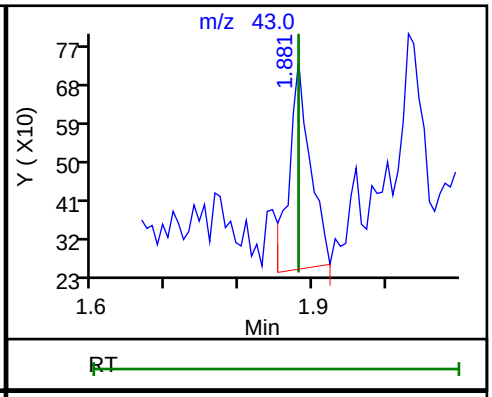
TestAmerica Edison

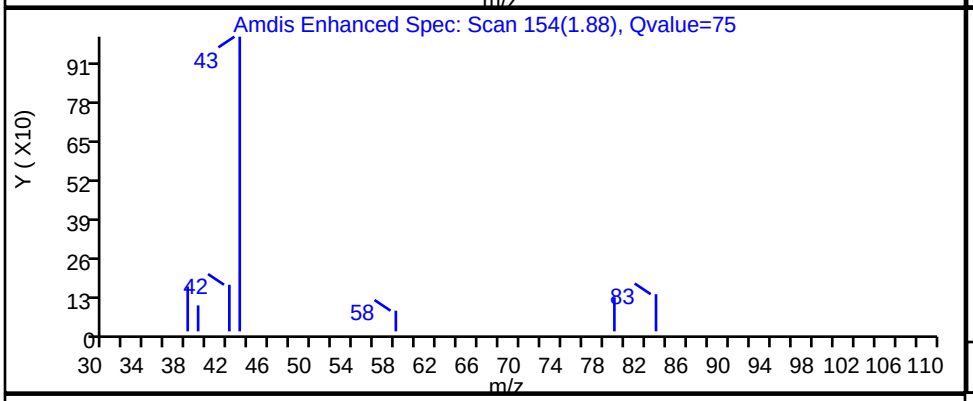
Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51521.D
Injection Date: 07-Oct-2018 21:43:30 Instrument ID: CVOAMS13
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

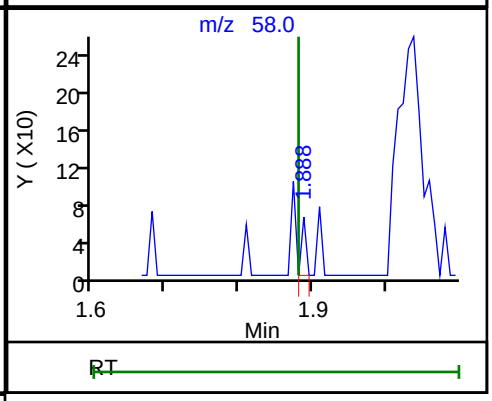
## 24 Acetone, CAS: 67-64-1

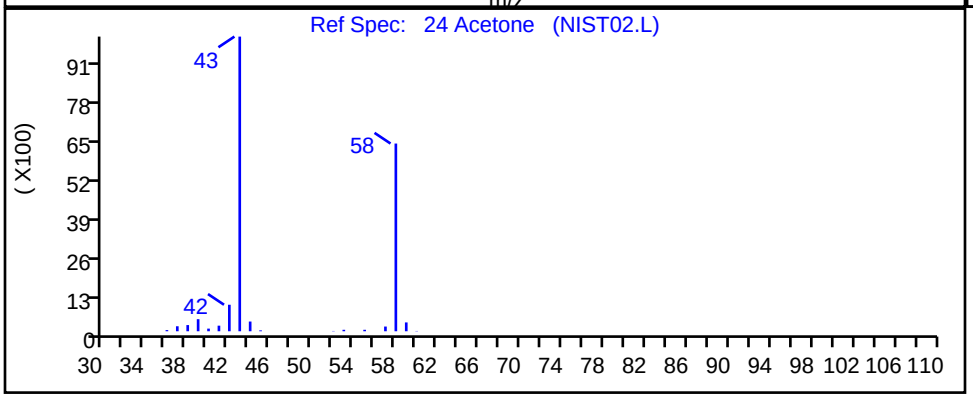
Processing Results




| RT | Mass | Response | Amount |
|---|---|---|---|
| 1.88 | 43.00 | 974 | 1.915047 |
| 1.89 | 58.00 | 27 | |

Reviewer: desais, 08-Oct-2018 09:44:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-558499/7

Matrix: Water  Lab File ID: P51579.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 22:48

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.: 558499  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.24 | U | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 | U | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 | U | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 0.26 | U | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 0.12 | U | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 0.43 | U | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 0.35 | U | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 28 | U | 50 | 28 |
| 78-93-3 | 2-Butanone | 1.9 | U | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 2.9 | U | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2.7 | U | 5.0 | 2.7 |
| 67-64-1 | Acetone | 5.0 | U | 5.0 | 5.0 |
| 71-43-2 | Benzene | 0.43 | U | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 0.34 | U | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 0.54 | U | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 1.0 | U | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 0.16 | U | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 0.21 | U | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 0.38 | U | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 0.32 | U | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 0.33 | U | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 0.14 | U | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.22 | U | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.46 | U | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 0.28 | U | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 0.30 | U | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 0.32 | U | 1.0 | 0.32 |
| 100-42-5 | Styrene | 0.42 | U | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 1.0 | 0.25 |
| 108-88-3 | Toluene | 0.38 | U | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.24 | U | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 0.49 | U | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 0.31 | U | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 0.17 | U | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 0.65 | U | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-558499/7

Matrix: Water  Lab File ID: P51579.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 22:48

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.: 558499  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 96 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 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.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-558499/7

Matrix: Water  Lab File ID: P51579.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 22:48

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.: 558499  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\CVOAMS13\20181008-79950.b\P51579.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Oct-2018 22:48:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0079950-007
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 07:59:34 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: colladox Date: 08-Oct-2018 22:33:45

| 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 | 2.031 | 2.031 | 0.000 | 0 | 138115 | 1000.0 | 1000.0 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.991 | 0.007 | 96 | 83446 | 50.0 | 48.1 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 149551 | 250.0 | 250.0 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.392 | 0.007 | 0 | 103916 | 50.0 | 46.6 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.636 | -0.001 | 99 | 376413 | 50.0 | 50.0 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 15747 | 1000.0 | 1000.0 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 347758 | 50.0 | 47.8 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 320023 | 50.0 | 50.0 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 91 | 107773 | 50.0 | 47.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 182709 | 50.0 | 50.0 | |

## Reagents:

8260ISNEW_00123 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00182 Amount Added: 1.00 Units: uL Run Reagent

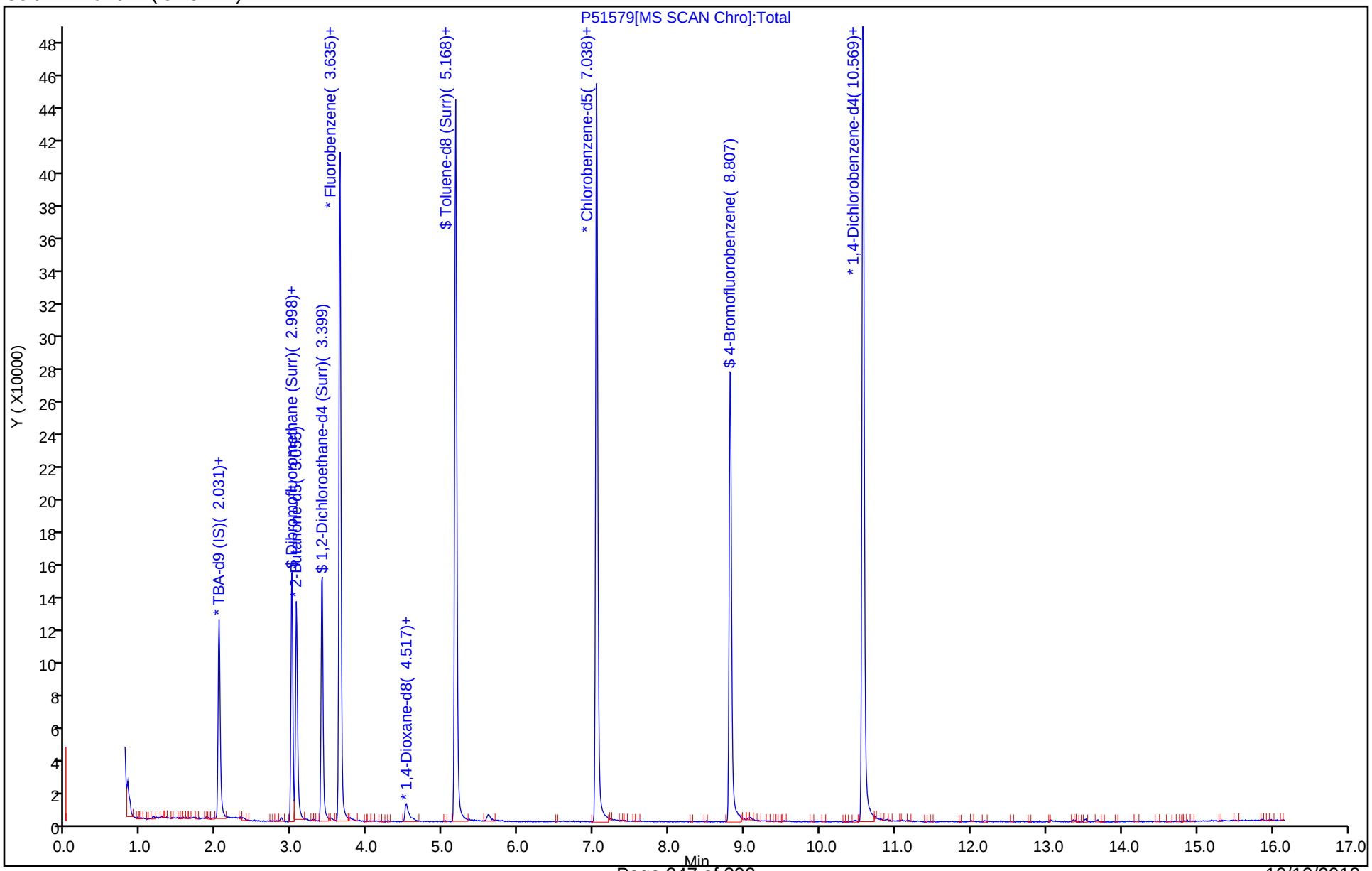
Report Date: 09-Oct-2018 08:02:45 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51579.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 22:48:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | MB | | | Worklist Smp#: | 7 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 6 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-558208/3

Matrix: Water | Lab File ID: P51517.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2018 20:01

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 19.1 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.5 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 18.7 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 18.8 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 19.9 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 18.6 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 18.7 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 426 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 98.8 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 103 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 97.4 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 102 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 18.9 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 17.8 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 15.2 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 16.9 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 17.4 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 18.7 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 19.2 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 20.1 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 19.3 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 17.2 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 18.9 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.8 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 17.0 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 19.0 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.5 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 20.1 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 19.9 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 19.3 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.1 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20.1 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 19.1 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 18.6 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 38.9 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-558208/3

Matrix: Water  Lab File ID: P51517.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/07/2018 20:01

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 100 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 98 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51517.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Oct-2018 20:01:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0079900-003
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:50:46 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:35:56

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 89 | 18144 | 20.0 | 19.3 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 51530 | 20.0 | 20.5 | |
| 3 Chloromethane | 50 | 0.971 | 0.971 | 0.000 | 99 | 42671 | 20.0 | 17.2 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 43796 | 20.0 | 19.8 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 98 | 48962 | 20.0 | 18.6 | |
| 6 Bromomethane | 94 | 1.150 | 1.150 | 0.000 | 98 | 38265 | 20.0 | 16.9 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 99 | 39375 | 20.0 | 20.1 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 96 | 18671 | 40.0 | 50.1 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 100 | 87083 | 20.0 | 25.6 | |
| 10 Dichlorofluoromethane | 67 | 1.315 | 1.307 | 0.008 | 98 | 96263 | 20.0 | 20.3 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 97 | 62611 | 20.0 | 19.4 | |
| 12 Ethyl ether | 59 | 1.436 | 1.436 | 0.000 | 96 | 38269 | 20.0 | 18.2 | |
| 13 Ethanol | 46 | 1.515 | 1.508 | 0.007 | 99 | 5016 | 800.0 | 510.0 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 98 | 44385 | 20.0 | 19.9 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 86 | 59162 | 20.0 | 19.3 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 137766 | 20.0 | 17.4 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.565 | 1.558 | 0.007 | 96 | 45802 | 20.0 | 23.0 | |
| 18 Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 99 | 54268 | 20.0 | 15.2 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 114815 | 20.0 | 20.5 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 95 | 9814 | 40.0 | 51.4 | |
| 21 3-Chloro-1-propene | 76 | 1.787 | 1.787 | 0.000 | 88 | 28685 | 20.0 | 18.8 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 97 | 25112 | 200.0 | 201.7 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 92 | 50666 | 20.0 | 17.5 | |
| 24 Acetone | 43 | 1.881 | 1.873 | 0.008 | 85 | 58207 | 100.0 | 102.3 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 49525 | 20.0 | 19.1 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 57719 | 40.0 | 41.6 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 94 | 13656 | 20.0 | 26.7 | |
| 28 Methyl tert-butyl ether | 73 | 2.010 | 2.009 | 0.001 | 90 | 148020 | 20.0 | 19.7 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 174165 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 99 | 43715 | 200.0 | 200.4 | |
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 99 | 43490 | 200.0 | 167.8 | |

| 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 | 2.246 | 2.246 | 0.000 | 95 | 154825 | 20.0 | 18.0 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.296 | 0.000 | 94 | 44826 | 20.0 | 19.8 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 90516 | 20.0 | 18.8 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 92 | 151625 | 200.0 | 211.8 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 89 | 150957 | 20.0 | 18.5 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 209163 | 40.0 | 44.8 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.668 | 0.001 | 98 | 54178 | 20.0 | 18.9 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 80699 | 20.0 | 21.6 | |
| 40 Cyclohexane | 56 | 2.797 | 2.797 | 0.000 | 91 | 81705 | 20.0 | 21.9 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.804 | 0.001 | 82 | 26146 | 20.0 | 19.9 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 87570 | 20.0 | 19.3 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 97 | 56599 | 20.0 | 18.7 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 10839 | 40.0 | 39.4 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 97 | 37929 | 20.0 | 18.6 | |
| 46 Tetrahydrofuran | 42 | 2.977 | 2.976 | 0.001 | 91 | 32139 | 40.0 | 38.2 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.991 | 2.991 | 0.000 | 96 | 93052 | 50.0 | 49.2 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 96 | 74606 | 20.0 | 19.1 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 187553 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.098 | 3.091 | 0.007 | 100 | 27548 | 100.0 | 98.8 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 95 | 69748 | 20.0 | 18.9 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 151831 | 20.0 | 23.1 | |
| 53 n-Heptane | 57 | 3.285 | 3.284 | 0.001 | 89 | 38761 | 20.0 | 24.8 | |
| 54 Benzene | 78 | 3.292 | 3.284 | 0.008 | 93 | 204603 | 20.0 | 18.9 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 95 | 56402 | 200.0 | 183.5 | |
| 56 Methacrylonitrile | 67 | 3.328 | 3.327 | 0.001 | 91 | 188974 | 200.0 | 202.6 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.392 | 0.007 | 0 | 119684 | 50.0 | 49.2 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 146789 | 20.0 | 19.6 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 97 | 71593 | 20.0 | 18.6 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.528 | 0.000 | 98 | 38705 | 500.0 | 449.4 | |
| 61 t-Amyl alcohol | 59 | 3.593 | 3.592 | 0.001 | 98 | 32243 | 200.0 | 201.2 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.635 | 0.001 | 98 | 410721 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 98 | 86166 | 20.0 | 19.2 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 96 | 90082 | 20.0 | 22.5 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 51930 | 20.0 | 19.1 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.030 | 4.029 | 0.000 | 93 | 128657 | 20.0 | 19.4 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 96 | 31355 | 20.0 | 19.5 | |
| 68 n-Butanol | 56 | 4.166 | 4.165 | 0.001 | 89 | 25316 | 500.0 | 500.4 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 86 | 50440 | 20.0 | 18.7 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 98 | 56734 | 20.0 | 20.4 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 63614 | 20.0 | 17.8 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.517 | 4.509 | 0.008 | 0 | 18066 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 87 | 26459 | 40.0 | 43.1 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 93 | 10089 | 400.0 | 425.6 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 58676 | 20.0 | 20.2 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.939 | 4.939 | 0.000 | 96 | 31488 | 20.0 | 20.5 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.968 | 4.975 | -0.007 | 97 | 79819 | 20.0 | 18.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 384200 | 50.0 | 48.4 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 93 | 229676 | 20.0 | 19.3 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.254 | -0.007 | 99 | 175735 | 400.0 | 699.6 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 98 | 25856 | 40.0 | 38.1 | |
| 82 Tetrachloroethene | 166 | 5.648 | 5.655 | -0.007 | 99 | 54999 | 20.0 | 19.9 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 5.691 | 5.691 | 0.000 | 97 | 208176 | 100.0 | 97.4 | |

| 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 | 5.727 | 5.727 | 0.000 | 94 | 73966 | 20.0 | 20.1 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 36876 | 20.0 | 18.7 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.985 | 0.000 | 88 | 60071 | 20.0 | 20.0 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.099 | 0.001 | 98 | 40868 | 20.0 | 17.0 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 94 | 75190 | 20.0 | 19.7 | |
| 89 Ethylene Dibromide | 107 | 6.350 | 6.343 | 0.007 | 98 | 44826 | 20.0 | 20.9 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 64394 | 20.0 | 19.6 | |
| 91 2-Hexanone | 43 | 6.759 | 6.758 | 0.001 | 96 | 146565 | 100.0 | 103.4 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 349695 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 96 | 142966 | 20.0 | 19.2 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 79145 | 20.0 | 19.0 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 94 | 44839 | 20.0 | 18.3 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 98515 | 20.0 | 19.5 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 94727 | 20.0 | 19.4 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 93 | 22807 | 20.0 | 15.2 | |
| 99 Styrene | 104 | 8.034 | 8.034 | 0.000 | 95 | 161801 | 20.0 | 20.1 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 96 | 35241 | 20.0 | 19.9 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 251268 | 20.0 | 19.7 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.779 | 8.778 | 0.001 | 91 | 80293 | 20.0 | 18.8 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.807 | 8.814 | -0.007 | 89 | 123188 | 50.0 | 50.0 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 95 | 63726 | 20.0 | 19.6 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.072 | -0.007 | 99 | 304278 | 20.0 | 19.8 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.216 | 9.215 | 0.001 | 97 | 52515 | 20.0 | 20.5 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 207718 | 20.0 | 19.1 | |
| 108 4-Ethyltoluene | 105 | 9.259 | 9.258 | 0.001 | 99 | 257988 | 20.0 | 19.4 | |
| 109 1,2,3-Trichloropropane | 110 | 9.352 | 9.352 | 0.000 | 96 | 16437 | 20.0 | 19.4 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 219428 | 20.0 | 18.9 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.481 | 9.480 | 0.001 | 87 | 16700 | 20.0 | 20.2 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 99 | 189475 | 20.0 | 19.5 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 94 | 181456 | 20.0 | 19.4 | |
| 115 Butyl Methacrylate | 87 | 10.018 | 10.011 | 0.008 | 55 | 72573 | 20.0 | 18.3 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 96 | 227793 | 20.0 | 19.2 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 278420 | 20.0 | 19.5 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.433 | 0.007 | 97 | 122968 | 20.0 | 19.5 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 98 | 241434 | 20.0 | 19.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 201678 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 95 | 128908 | 20.0 | 19.2 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 237483 | 20.0 | 19.7 | |
| 122 2,3-Dihydroindene | 117 | 10.877 | 10.870 | 0.007 | 93 | 231450 | 20.0 | 19.4 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 97 | 23483 | 20.0 | 22.5 | |
| 124 p-Diethylbenzene | 119 | 11.064 | 11.063 | 0.001 | 93 | 129829 | 20.0 | 20.3 | |
| 125 n-Butylbenzene | 91 | 11.150 | 11.149 | 0.001 | 98 | 226355 | 20.0 | 20.3 | |
| 126 1,2-Dichlorobenzene | 146 | 11.250 | 11.257 | -0.007 | 96 | 119579 | 20.0 | 20.1 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 225966 | 20.0 | 19.8 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.310 | 0.007 | 91 | 9195 | 20.0 | 17.7 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 94071 | 20.0 | 20.3 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 94 | 83074 | 20.0 | 19.8 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 96 | 36389 | 20.0 | 19.6 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 172368 | 20.0 | 20.6 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 95 | 71881 | 20.0 | 20.2 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.1 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 38.9 | |

| 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 | 38.9 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 96.1 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00087 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00280 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 08-Oct-2018 18:50:54 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51517.D

Injection Date: 07-Oct-2018 20:01:30 Instrument ID: CVOAMS13 Operator ID:

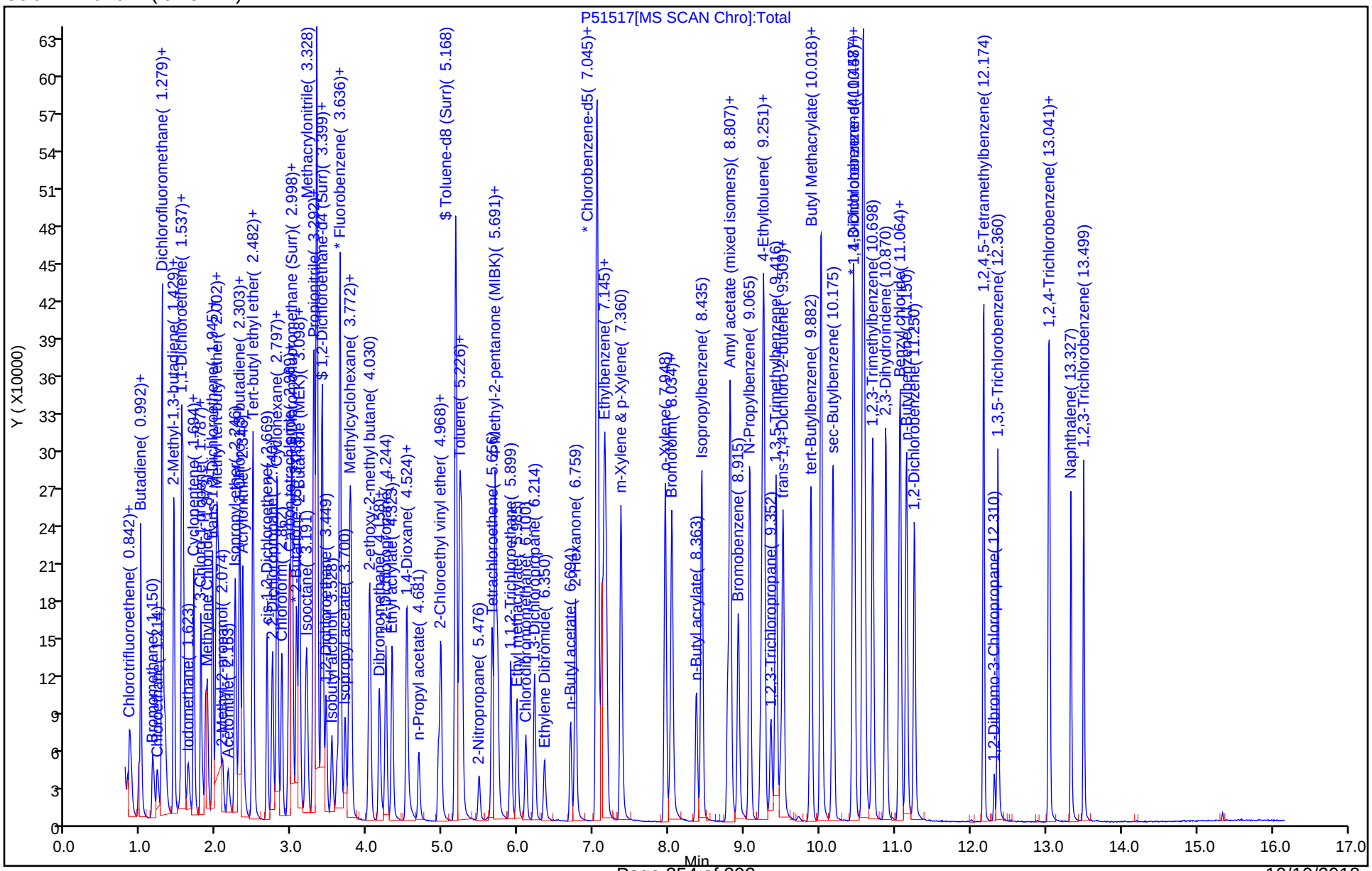
Lims ID: LCS Worklist Smp#: 3

Client ID:

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

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-558499/3

Matrix: Water | Lab File ID: P51575.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 21:07

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.: 558499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 19.8 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.8 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 18.1 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 18.1 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 19.8 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 18.1 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 18.2 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 401 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 105 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 100 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 98.3 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 103 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 19.2 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 17.5 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 12.7 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 20.8 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 16.3 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 17.9 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 19.4 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 20.5 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 19.4 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 16.1 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 19.3 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.8 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 15.5 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 19.6 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.3 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 20.3 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 20.6 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 19.5 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.1 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 19.4 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 20.0 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 18.7 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 39.6 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-558499/3

Matrix: Water  Lab File ID: P51575.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 21:07

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.: 558499  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 96 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 101 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51575.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Oct-2018 21:07:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0079950-003
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 08:03:10 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desais Date: 09-Oct-2018 08:00:18

| | Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 89 | 18017 | 20.0 | 20.2 | |
| 2 | Dichlorodifluoromethane | 85 | 0.849 | 0.856 | -0.007 | 99 | 51162 | 20.0 | 21.3 | |
| 3 | Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 99 | 38114 | 20.0 | 16.1 | |
| 5 | Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 42365 | 20.0 | 20.1 | |
| 4 | Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 70 | 46862 | 20.0 | 18.7 | |
| 6 | Bromomethane | 94 | 1.150 | 1.150 | 0.000 | 98 | 38196 | 20.0 | 20.8 | |
| 7 | Chloroethane | 64 | 1.207 | 1.214 | -0.007 | 100 | 38094 | 20.0 | 20.5 | |
| 9 | Pentane | 72 | 1.279 | 1.272 | 0.007 | 95 | 16827 | 40.0 | 61.2 | |
| 8 | Trichlorofluoromethane | 101 | 1.272 | 1.272 | 0.000 | 99 | 83869 | 20.0 | 25.9 | |
| 10 | Dichlorofluoromethane | 67 | 1.307 | 1.308 | -0.001 | 99 | 87354 | 20.0 | 19.4 | |
| 11 | 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 98 | 60128 | 20.0 | 19.6 | |
| 12 | Ethyl ether | 59 | 1.436 | 1.437 | 0.000 | 95 | 34674 | 20.0 | 17.3 | |
| 13 | Ethanol | 46 | 1.508 | 1.508 | 0.000 | 97 | 3909 | 800.0 | 538.1 | |
| 15 | 1,2-Dichloro-1,1,2-trifluo | 67 | 1.529 | 1.530 | -0.001 | 86 | 56489 | 20.0 | 19.4 | |
| 14 | 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 99 | 42174 | 20.0 | 19.8 | |
| 16 | Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 123125 | 20.0 | 16.3 | |
| 17 | 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.558 | 0.000 | 97 | 45076 | 20.0 | 23.8 | |
| 18 | Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 98 | 48271 | 20.0 | 14.2 | |
| 19 | Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 109719 | 20.0 | 20.5 | |
| 20 | Acrolein | 56 | 1.716 | 1.716 | 0.000 | 97 | 9815 | 40.0 | 69.2 | |
| 21 | 3-Chloro-1-propene | 76 | 1.787 | 1.787 | 0.000 | 87 | 26556 | 20.0 | 18.3 | |
| 22 | Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 97 | 19515 | 200.0 | 212.3 | |
| 23 | Methylene Chloride | 84 | 1.852 | 1.852 | 0.000 | 91 | 47762 | 20.0 | 17.3 | |
| 24 | Acetone | 43 | 1.873 | 1.873 | 0.000 | 86 | 47201 | 100.0 | 102.7 | |
| 25 | trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 47195 | 20.0 | 19.1 | |
| 26 | Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 49176 | 40.0 | 37.2 | |
| 27 | Hexane | 86 | 1.995 | 1.995 | 0.000 | 93 | 12899 | 20.0 | 26.5 | |
| 28 | Methyl tert-butyl ether | 73 | 2.009 | 2.010 | -0.001 | 87 | 132520 | 20.0 | 18.5 | |
| * 29 | TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 128628 | 1000.0 | 1000.0 | |
| 30 | 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 98 | 32930 | 200.0 | 204.5 | |
| 31 | Acetonitrile | 41 | 2.153 | 2.146 | 0.007 | 98 | 35880 | 200.0 | 187.5 | |

| 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 | 2.246 | 2.246 | 0.000 | 94 | 134140 | 20.0 | 16.4 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.296 | 0.000 | 93 | 41952 | 20.0 | 19.5 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 82977 | 20.0 | 18.1 | |
| 35 Acrylonitrile | 53 | 2.339 | 2.339 | 0.000 | 94 | 129587 | 200.0 | 190.1 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 88 | 141013 | 20.0 | 18.2 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 183683 | 40.0 | 41.3 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.668 | 2.669 | -0.001 | 97 | 52618 | 20.0 | 19.3 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 77991 | 20.0 | 21.9 | |
| 40 Cyclohexane | 56 | 2.797 | 2.797 | 0.000 | 90 | 76805 | 20.0 | 21.6 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.805 | -0.001 | 81 | 24377 | 20.0 | 19.5 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 98 | 84068 | 20.0 | 19.4 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 96 | 51493 | 20.0 | 17.9 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 9244 | 40.0 | 41.6 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 89 | 32958 | 20.0 | 17.0 | |
| 46 Tetrahydrofuran | 42 | 2.976 | 2.977 | -0.001 | 93 | 26657 | 40.0 | 39.2 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.991 | 2.991 | 0.000 | 96 | 87131 | 50.0 | 48.3 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 98 | 73496 | 20.0 | 19.8 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 151508 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.091 | 3.091 | 0.000 | 100 | 23647 | 100.0 | 105.0 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 95 | 66875 | 20.0 | 19.0 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 97 | 146272 | 20.0 | 23.3 | |
| 53 n-Heptane | 57 | 3.284 | 3.285 | -0.001 | 92 | 36221 | 20.0 | 24.3 | |
| 54 Benzene | 78 | 3.292 | 3.285 | 0.007 | 94 | 198336 | 20.0 | 19.2 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 98 | 47697 | 200.0 | 210.1 | |
| 56 Methacrylonitrile | 67 | 3.327 | 3.328 | -0.001 | 92 | 159144 | 200.0 | 179.1 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.392 | 0.000 | 0 | 111048 | 50.0 | 48.0 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 130218 | 20.0 | 18.3 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 66172 | 20.0 | 18.1 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.521 | 0.007 | 98 | 28145 | 500.0 | 442.4 | |
| 61 t-Amyl alcohol | 59 | 3.592 | 3.593 | -0.001 | 96 | 23411 | 200.0 | 197.8 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.636 | -0.001 | 99 | 391313 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 98 | 70479 | 20.0 | 16.5 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 95 | 87243 | 20.0 | 22.9 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 98 | 51890 | 20.0 | 20.0 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.029 | 4.022 | 0.007 | 93 | 118984 | 20.0 | 18.8 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 96 | 29934 | 20.0 | 19.6 | |
| 68 n-Butanol | 56 | 4.158 | 4.166 | -0.008 | 91 | 18678 | 500.0 | 499.9 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 84 | 46814 | 20.0 | 18.2 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 98 | 47364 | 20.0 | 17.9 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 59625 | 20.0 | 17.5 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 15525 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 86 | 22573 | 40.0 | 38.6 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 95 | 8169 | 400.0 | 401.0 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 99 | 47620 | 20.0 | 17.2 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.939 | 4.939 | 0.000 | 95 | 27875 | 20.0 | 19.1 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.968 | 4.968 | 0.000 | 97 | 76455 | 20.0 | 18.8 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 364053 | 50.0 | 47.9 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 92 | 222203 | 20.0 | 19.5 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.247 | 0.000 | 99 | 144345 | 400.0 | 711.5 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 99 | 20385 | 40.0 | 31.5 | |
| 82 Tetrachloroethene | 166 | 5.648 | 5.648 | 0.000 | 98 | 54442 | 20.0 | 20.6 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 5.691 | 5.691 | 0.000 | 97 | 169814 | 100.0 | 98.3 | |

| 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 | 5.727 | 5.727 | 0.000 | 97 | 68284 | 20.0 | 19.4 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 34179 | 20.0 | 18.1 | |
| 86 Ethyl methacrylate | 69 | 5.978 | 5.985 | -0.007 | 87 | 52388 | 20.0 | 18.3 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.100 | 0.000 | 97 | 35557 | 20.0 | 15.5 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 93 | 70466 | 20.0 | 19.3 | |
| 89 Ethylene Dibromide | 107 | 6.343 | 6.350 | -0.007 | 99 | 40774 | 20.0 | 19.9 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 52099 | 20.0 | 16.6 | |
| 91 2-Hexanone | 43 | 6.759 | 6.759 | -0.001 | 95 | 114491 | 100.0 | 100.0 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 334516 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 94 | 138489 | 20.0 | 19.4 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 78026 | 20.0 | 19.6 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 92 | 42842 | 20.0 | 18.3 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 97063 | 20.0 | 20.0 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 93 | 91350 | 20.0 | 19.6 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 94 | 18342 | 20.0 | 12.7 | |
| 99 Styrene | 104 | 8.034 | 8.034 | 0.000 | 95 | 156558 | 20.0 | 20.3 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 97 | 30566 | 20.0 | 18.0 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 245837 | 20.0 | 20.2 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.778 | 8.779 | -0.001 | 91 | 69737 | 20.0 | 17.2 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.807 | 8.807 | 0.000 | 90 | 118429 | 50.0 | 50.3 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 94 | 61655 | 20.0 | 19.9 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.065 | 0.000 | 99 | 295096 | 20.0 | 20.2 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.215 | 9.216 | -0.001 | 97 | 45890 | 20.0 | 18.8 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 201938 | 20.0 | 19.6 | |
| 108 4-Ethyltoluene | 105 | 9.258 | 9.259 | -0.001 | 98 | 254135 | 20.0 | 20.1 | |
| 109 1,2,3-Trichloropropane | 110 | 9.352 | 9.352 | 0.000 | 96 | 13877 | 20.0 | 17.2 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 213158 | 20.0 | 19.3 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.480 | 9.481 | -0.001 | 84 | 14108 | 20.0 | 17.9 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 99 | 182639 | 20.0 | 19.8 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 94 | 177790 | 20.0 | 20.0 | |
| 115 Butyl Methacrylate | 87 | 10.011 | 10.018 | -0.007 | 56 | 67978 | 20.0 | 18.0 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 96 | 221272 | 20.0 | 19.6 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 272068 | 20.0 | 20.0 | |
| 117 1,3-Dichlorobenzene | 146 | 10.433 | 10.440 | -0.007 | 95 | 119689 | 20.0 | 20.0 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 236683 | 20.0 | 20.3 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 95 | 191757 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 95 | 126878 | 20.0 | 19.9 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 229756 | 20.0 | 20.0 | |
| 122 2,3-Dihydroindene | 117 | 10.870 | 10.870 | 0.000 | 94 | 223910 | 20.0 | 19.8 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 97 | 19766 | 20.0 | 20.0 | |
| 124 p-Diethylbenzene | 119 | 11.063 | 11.064 | -0.001 | 93 | 124257 | 20.0 | 20.4 | |
| 125 n-Butylbenzene | 91 | 11.149 | 11.150 | -0.001 | 98 | 220052 | 20.0 | 20.7 | |
| 126 1,2-Dichlorobenzene | 146 | 11.250 | 11.250 | 0.000 | 96 | 114691 | 20.0 | 20.3 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 221407 | 20.0 | 20.4 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.317 | 0.000 | 88 | 6742 | 20.0 | 13.6 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 90929 | 20.0 | 20.6 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 93 | 79819 | 20.0 | 20.0 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 94 | 35673 | 20.0 | 20.2 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 147573 | 20.0 | 18.5 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 95 | 66537 | 20.0 | 19.6 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.4 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 38.3 | |

| 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 | 39.6 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 97.9 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00087 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00280 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

Report Date: 09-Oct-2018 08:03:21 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51575.D

Injection Date: 08-Oct-2018 21:07:30 Instrument ID: CVOAMS13 Operator ID:

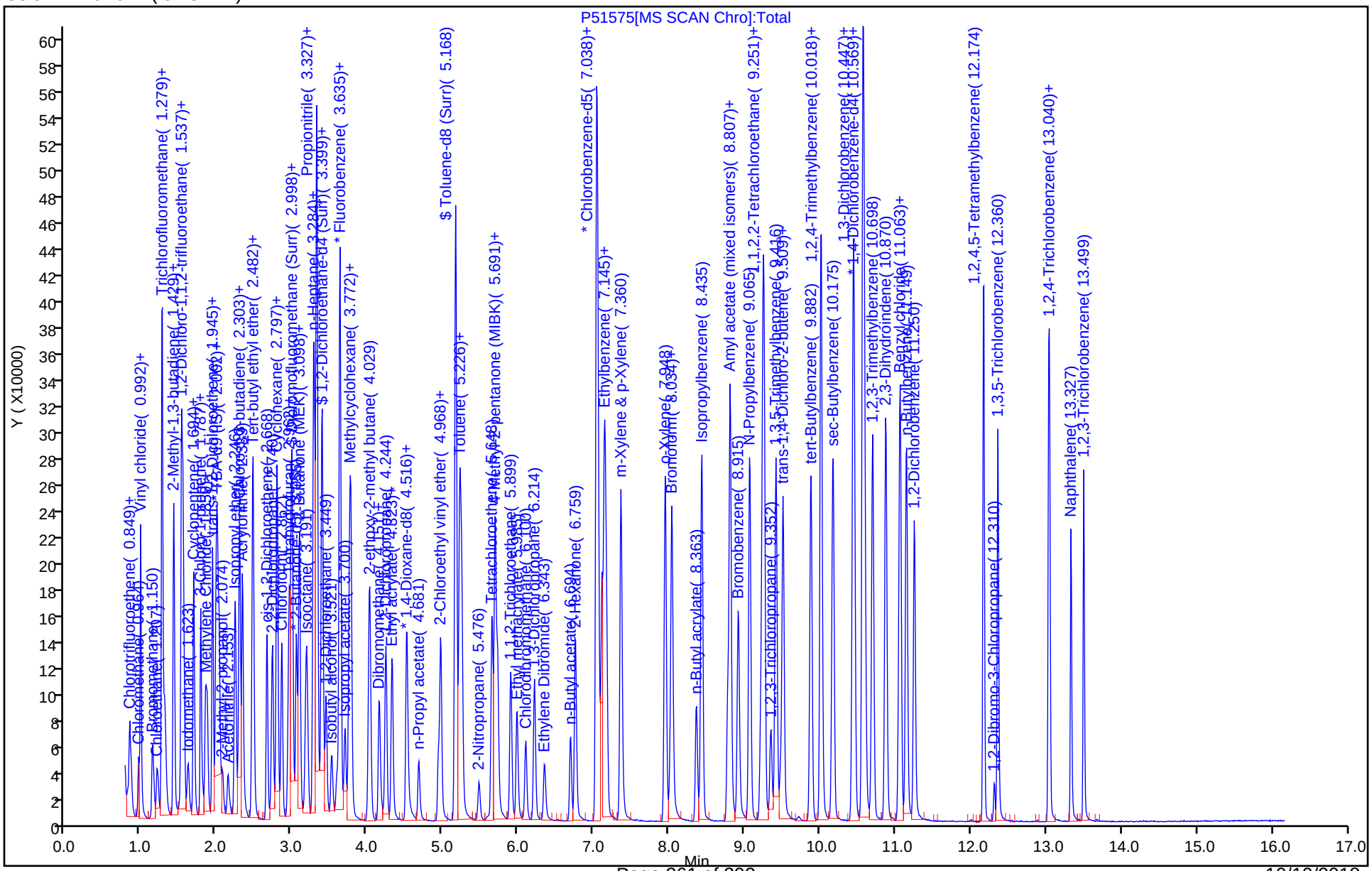
Lims ID: LCS Worklist Smp#: 3

Client ID:

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

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-558208/4

Matrix: Water | Lab File ID: P51518.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2018 20:27

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.: 558208 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 19.3 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.5 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 18.6 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 18.6 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 19.2 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 18.4 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 18.8 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 447 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 96.4 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 101 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 97.5 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 96.6 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 19.1 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 18.2 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 15.4 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 16.5 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 17.1 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 18.3 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 19.4 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 19.2 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 19.1 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 17.2 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 18.8 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.3 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 17.0 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 19.3 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.1 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 20.1 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 20.0 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 19.6 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 18.8 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20.0 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 19.4 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 18.0 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 39.3 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCSD 460-558208/4

Matrix: Water  Lab File ID: P51518.D

Analysis Method: 8260C  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 10/07/2018 20:27

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.: 558208  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 96 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 101 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 98 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51518.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 07-Oct-2018 20:27:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0079900-004
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Oct-2018 18:50:46 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desais Date: 08-Oct-2018 10:37:32

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 89 | 18925 | 20.0 | 20.2 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 50863 | 20.0 | 20.2 | |
| 3 Chloromethane | 50 | 0.964 | 0.971 | -0.007 | 99 | 42703 | 20.0 | 17.2 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 42631 | 20.0 | 19.3 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 72 | 47385 | 20.0 | 18.0 | |
| 6 Bromomethane | 94 | 1.150 | 1.150 | 0.000 | 98 | 37880 | 20.0 | 16.5 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 100 | 37585 | 20.0 | 19.2 | |
| 9 Pentane | 72 | 1.279 | 1.279 | 0.000 | 96 | 17754 | 40.0 | 47.1 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.279 | 0.000 | 100 | 79777 | 20.0 | 23.4 | |
| 10 Dichlorofluoromethane | 67 | 1.308 | 1.307 | 0.001 | 98 | 91656 | 20.0 | 19.3 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 98 | 60910 | 20.0 | 18.9 | |
| 12 Ethyl ether | 59 | 1.437 | 1.436 | 0.000 | 96 | 38443 | 20.0 | 18.3 | |
| 13 Ethanol | 46 | 1.515 | 1.508 | 0.007 | 100 | 5798 | 800.0 | 583.3 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 99 | 42926 | 20.0 | 19.2 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.537 | 0.000 | 84 | 56736 | 20.0 | 18.5 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 135330 | 20.0 | 17.1 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.565 | 1.558 | 0.007 | 97 | 44750 | 20.0 | 22.5 | |
| 18 Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 99 | 56647 | 20.0 | 15.8 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 111816 | 20.0 | 19.9 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 94 | 9844 | 40.0 | 51.1 | |
| 21 3-Chloro-1-propene | 76 | 1.787 | 1.787 | 0.000 | 88 | 28222 | 20.0 | 18.5 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 97 | 26009 | 200.0 | 206.8 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.859 | 0.000 | 92 | 49577 | 20.0 | 17.1 | |
| 24 Acetone | 43 | 1.881 | 1.873 | 0.008 | 85 | 55646 | 100.0 | 96.6 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 48593 | 20.0 | 18.8 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 55258 | 40.0 | 39.7 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 94 | 12228 | 20.0 | 23.9 | |
| 28 Methyl tert-butyl ether | 73 | 2.010 | 2.009 | 0.001 | 90 | 146406 | 20.0 | 19.5 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 175964 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.074 | 2.074 | 0.000 | 98 | 43099 | 200.0 | 195.5 | |
| 31 Acetonitrile | 41 | 2.153 | 2.153 | 0.000 | 98 | 42170 | 200.0 | 161.1 | |

| 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 | 2.246 | 2.246 | 0.000 | 94 | 154108 | 20.0 | 17.9 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.303 | 2.296 | 0.007 | 94 | 44301 | 20.0 | 19.6 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 89609 | 20.0 | 18.6 | |
| 35 Acrylonitrile | 53 | 2.346 | 2.346 | 0.000 | 95 | 142432 | 200.0 | 198.7 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 88 | 150188 | 20.0 | 18.4 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 202329 | 40.0 | 43.3 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.669 | 2.668 | 0.001 | 98 | 53973 | 20.0 | 18.8 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 79561 | 20.0 | 21.2 | |
| 40 Cyclohexane | 56 | 2.805 | 2.797 | 0.008 | 90 | 79436 | 20.0 | 21.3 | |
| 41 Chlorobromomethane | 128 | 2.805 | 2.804 | 0.001 | 86 | 25992 | 20.0 | 19.7 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 87074 | 20.0 | 19.1 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 97 | 55446 | 20.0 | 18.3 | |
| 44 Ethyl acetate | 70 | 2.969 | 2.962 | 0.007 | 99 | 10684 | 40.0 | 38.4 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 87 | 38045 | 20.0 | 18.6 | |
| 46 Tetrahydrofuran | 42 | 2.977 | 2.976 | 0.001 | 93 | 32233 | 40.0 | 37.9 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.998 | 2.991 | 0.007 | 96 | 93237 | 50.0 | 49.2 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 96 | 75565 | 20.0 | 19.3 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 189540 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.098 | 3.091 | 0.007 | 99 | 27180 | 100.0 | 96.4 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 94 | 69542 | 20.0 | 18.8 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 97 | 149874 | 20.0 | 22.7 | |
| 53 n-Heptane | 57 | 3.285 | 3.284 | 0.001 | 87 | 37494 | 20.0 | 23.9 | |
| 54 Benzene | 78 | 3.292 | 3.284 | 0.008 | 95 | 205053 | 20.0 | 19.1 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 95 | 56118 | 200.0 | 180.7 | |
| 56 Methacrylonitrile | 67 | 3.328 | 3.327 | 0.001 | 92 | 187342 | 200.0 | 200.6 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.399 | 3.392 | 0.007 | 0 | 117381 | 50.0 | 48.2 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 145631 | 20.0 | 19.4 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 70750 | 20.0 | 18.4 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.528 | 0.000 | 98 | 38135 | 500.0 | 438.2 | |
| 61 t-Amyl alcohol | 59 | 3.600 | 3.592 | 0.008 | 98 | 32868 | 200.0 | 203.0 | |
| * 62 Fluorobenzene | 96 | 3.636 | 3.635 | 0.001 | 99 | 411285 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 83701 | 20.0 | 18.6 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 96 | 89250 | 20.0 | 22.3 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 52911 | 20.0 | 19.4 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.030 | 4.029 | 0.001 | 93 | 127585 | 20.0 | 19.2 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 96 | 31016 | 20.0 | 19.3 | |
| 68 n-Butanol | 56 | 4.166 | 4.165 | 0.001 | 88 | 25996 | 500.0 | 508.6 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 85 | 50635 | 20.0 | 18.8 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 98 | 55979 | 20.0 | 20.1 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 99 | 65204 | 20.0 | 18.2 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 17630 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 86 | 27095 | 40.0 | 44.1 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 92 | 10332 | 400.0 | 446.6 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 59217 | 20.0 | 20.3 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.946 | 4.939 | 0.007 | 95 | 30692 | 20.0 | 20.0 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.975 | 4.975 | 0.000 | 97 | 81230 | 20.0 | 19.3 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 386482 | 50.0 | 49.0 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 92 | 231293 | 20.0 | 19.6 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.254 | -0.007 | 99 | 173870 | 400.0 | 684.9 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 99 | 24893 | 40.0 | 36.6 | |
| 82 Tetrachloroethene | 166 | 5.656 | 5.655 | 0.001 | 98 | 54825 | 20.0 | 20.0 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 5.691 | 5.691 | 0.000 | 98 | 210790 | 100.0 | 97.5 | |

| 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 | 5.727 | 5.727 | 0.000 | 94 | 72984 | 20.0 | 20.0 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 93 | 36348 | 20.0 | 18.6 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.985 | 0.000 | 88 | 60052 | 20.0 | 19.9 | |
| 87 Chlorodibromomethane | 129 | 6.100 | 6.099 | 0.001 | 97 | 40565 | 20.0 | 17.0 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 94 | 75115 | 20.0 | 19.9 | |
| 89 Ethylene Dibromide | 107 | 6.343 | 6.343 | 0.000 | 98 | 45326 | 20.0 | 21.3 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 64796 | 20.0 | 19.9 | |
| 91 2-Hexanone | 43 | 6.759 | 6.758 | 0.001 | 97 | 145079 | 100.0 | 101.3 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 88 | 347022 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 95 | 143788 | 20.0 | 19.4 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 79884 | 20.0 | 19.3 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 93 | 45394 | 20.0 | 18.6 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 98161 | 20.0 | 19.5 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 95688 | 20.0 | 19.8 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 94 | 23021 | 20.0 | 15.4 | |
| 99 Styrene | 104 | 8.034 | 8.034 | 0.000 | 95 | 160330 | 20.0 | 20.1 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 96 | 36098 | 20.0 | 20.5 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 251674 | 20.0 | 19.9 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.779 | 8.778 | 0.001 | 91 | 82422 | 20.0 | 19.3 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.807 | 8.814 | -0.007 | 90 | 123381 | 50.0 | 50.5 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 95 | 63613 | 20.0 | 19.6 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.072 | -0.007 | 99 | 300555 | 20.0 | 19.5 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.216 | 9.215 | 0.001 | 97 | 52493 | 20.0 | 20.5 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 207464 | 20.0 | 19.1 | |
| 108 4-Ethyltoluene | 105 | 9.259 | 9.258 | 0.001 | 98 | 261246 | 20.0 | 19.7 | |
| 109 1,2,3-Trichloropropane | 110 | 9.352 | 9.352 | 0.000 | 96 | 15783 | 20.0 | 18.7 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 219831 | 20.0 | 18.9 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.481 | 9.480 | 0.001 | 88 | 17498 | 20.0 | 21.1 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 98 | 190674 | 20.0 | 19.7 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 93 | 180052 | 20.0 | 19.3 | |
| 115 Butyl Methacrylate | 87 | 10.018 | 10.011 | 0.008 | 56 | 73657 | 20.0 | 18.6 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.018 | 10.018 | 0.000 | 96 | 227744 | 20.0 | 19.2 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 98 | 275090 | 20.0 | 19.3 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.433 | 0.007 | 95 | 125137 | 20.0 | 19.9 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 241892 | 20.0 | 19.7 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 95 | 201486 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 94 | 130850 | 20.0 | 19.5 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 234653 | 20.0 | 19.5 | |
| 122 2,3-Dihydroindene | 117 | 10.877 | 10.870 | 0.007 | 94 | 234004 | 20.0 | 19.7 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 97 | 23429 | 20.0 | 22.5 | |
| 124 p-Diethylbenzene | 119 | 11.064 | 11.063 | 0.001 | 93 | 129285 | 20.0 | 20.2 | |
| 125 n-Butylbenzene | 91 | 11.150 | 11.149 | 0.001 | 98 | 226229 | 20.0 | 20.3 | |
| 126 1,2-Dichlorobenzene | 146 | 11.257 | 11.257 | 0.000 | 96 | 119752 | 20.0 | 20.2 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 226560 | 20.0 | 19.9 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.310 | 0.007 | 90 | 9098 | 20.0 | 17.5 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 92883 | 20.0 | 20.0 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 93 | 84943 | 20.0 | 20.3 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 94 | 36010 | 20.0 | 19.4 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 172729 | 20.0 | 20.7 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 94 | 72192 | 20.0 | 20.3 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 37.6 | |
| S 135 1,3-Dichloropropene, 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 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 39.3 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 97.4 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| 8260MIX1COMB_00087 | Amount Added: | 20.00 | Units: uL | |
| GASES Li_00280 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

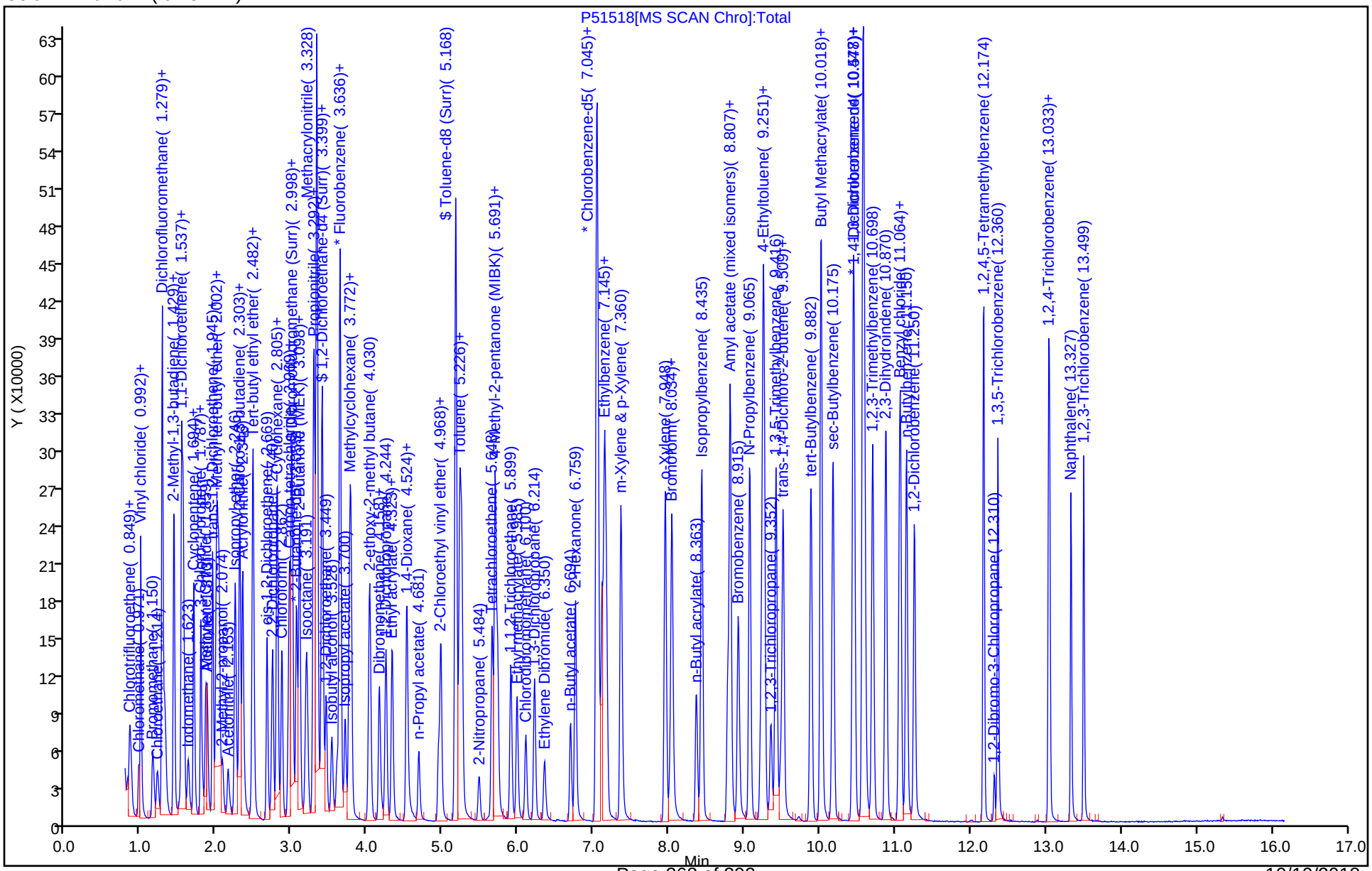
Report Date: 08-Oct-2018 18:51:00 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181007-79900.b\P51518.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 07-Oct-2018 20:27:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | LCSD | | | Worklist Smp#: | 4 |
| Client ID: | | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 3 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-166215-C-7 MS

Matrix: Water | Lab File ID: P51581.D

Analysis Method: 8260C | Date Collected: 10/03/2018 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 23:55

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.: 558499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 19.3 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.4 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 17.8 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 17.6 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 19.5 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 17.5 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 18.1 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 392 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 98.5 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 98.9 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 98.4 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 97.3 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 18.5 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 16.9 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 12.7 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 17.1 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 15.8 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 18.1 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 19.6 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 19.2 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 18.9 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 17.5 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 19.0 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 17.7 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 15.4 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 19.3 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.1 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 19.9 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 20.2 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 19.1 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 18.9 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 18.9 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 19.4 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 17.7 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 38.6 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: 460-166215-C-7 MS

Matrix: Water  Lab File ID: P51581.D

Analysis Method: 8260C  Date Collected: 10/03/2018 11:10

Sample wt/vol: 5(mL)  Date Analyzed: 10/08/2018 23:55

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.: 558499  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 102 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 99 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51581.D
Lims ID: 460-166215-C-7 MS
Client ID: DGC-11D
Sample Type: MS
Inject. Date: 08-Oct-2018 23:55:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-166215-C-7 MS
Misc. Info.: 460-0079950-009
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 07:59:34 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desais Date: 09-Oct-2018 07:38:29

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 89 | 15293 | 20.0 | 17.6 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 47768 | 20.0 | 20.4 | |
| 3 Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 98 | 40281 | 20.0 | 17.5 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 97 | 37875 | 20.0 | 18.4 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 71 | 43101 | 20.0 | 17.7 | |
| 6 Bromomethane | 94 | 1.150 | 1.150 | 0.000 | 99 | 31197 | 20.0 | 17.1 | |
| 7 Chloroethane | 64 | 1.207 | 1.214 | -0.007 | 100 | 34907 | 20.0 | 19.2 | |
| 9 Pentane | 72 | 1.279 | 1.272 | 0.007 | 94 | 15606 | 40.0 | 53.1 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.272 | 0.007 | 96 | 72207 | 20.0 | 22.8 | |
| 10 Dichlorofluoromethane | 67 | 1.307 | 1.308 | -0.001 | 98 | 84452 | 20.0 | 19.2 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 99 | 56185 | 20.0 | 18.8 | |
| 12 Ethyl ether | 59 | 1.436 | 1.437 | 0.000 | 91 | 33052 | 20.0 | 16.9 | |
| 13 Ethanol | 46 | 1.508 | 1.508 | 0.000 | 88 | 3977 | 800.0 | 512.1 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.529 | 1.530 | -0.001 | 86 | 53034 | 20.0 | 18.6 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 99 | 40455 | 20.0 | 19.5 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 116455 | 20.0 | 15.8 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.558 | 0.000 | 97 | 42639 | 20.0 | 23.1 | |
| 18 Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 99 | 41914 | 20.0 | 12.6 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 103672 | 20.0 | 19.9 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 95 | 7751 | 40.0 | 51.4 | |
| 21 3-Chloro-1-propene | 76 | 1.787 | 1.787 | 0.000 | 87 | 25630 | 20.0 | 18.1 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 96 | 23187 | 200.0 | 236.0 | |
| 23 Methylene Chloride | 84 | 1.852 | 1.852 | 0.000 | 92 | 46037 | 20.0 | 17.1 | |
| 24 Acetone | 43 | 1.880 | 1.873 | 0.007 | 86 | 44666 | 100.0 | 97.3 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 95 | 45544 | 20.0 | 18.9 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 47316 | 40.0 | 36.7 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 92 | 12005 | 20.0 | 25.2 | |
| 28 Methyl tert-butyl ether | 73 | 2.009 | 2.010 | -0.001 | 87 | 127477 | 20.0 | 18.3 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 137517 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 98 | 33393 | 200.0 | 193.8 | |
| 31 Acetonitrile | 41 | 2.153 | 2.146 | 0.007 | 97 | 34746 | 200.0 | 169.8 | |

| 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 | 2.246 | 2.246 | 0.000 | 94 | 130916 | 20.0 | 16.4 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.296 | 0.000 | 94 | 38768 | 20.0 | 18.5 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 79032 | 20.0 | 17.6 | |
| 35 Acrylonitrile | 53 | 2.339 | 2.339 | 0.000 | 91 | 123750 | 200.0 | 186.1 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 89 | 134868 | 20.0 | 17.8 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 177933 | 40.0 | 41.0 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.668 | 2.669 | -0.001 | 98 | 50662 | 20.0 | 19.0 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 73486 | 20.0 | 21.1 | |
| 40 Cyclohexane | 56 | 2.797 | 2.797 | 0.000 | 91 | 74667 | 20.0 | 21.6 | |
| 41 Chlorobromomethane | 128 | 2.804 | 2.805 | -0.001 | 81 | 23229 | 20.0 | 19.0 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 79926 | 20.0 | 18.9 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 96 | 50799 | 20.0 | 18.1 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 8781 | 40.0 | 39.6 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 98 | 31262 | 20.0 | 16.5 | |
| 46 Tetrahydrofuran | 42 | 2.976 | 2.977 | -0.001 | 94 | 27182 | 40.0 | 40.1 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.991 | 2.991 | 0.000 | 96 | 86676 | 50.0 | 49.3 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 97 | 70032 | 20.0 | 19.3 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 151037 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.098 | 3.091 | 0.007 | 100 | 22123 | 100.0 | 98.5 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 95 | 65482 | 20.0 | 19.1 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 140602 | 20.0 | 23.0 | |
| 53 n-Heptane | 57 | 3.284 | 3.285 | -0.001 | 88 | 35564 | 20.0 | 24.5 | |
| 54 Benzene | 78 | 3.292 | 3.285 | 0.007 | 96 | 186636 | 20.0 | 18.5 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 94 | 45701 | 200.0 | 188.3 | |
| 56 Methacrylonitrile | 67 | 3.327 | 3.328 | -0.001 | 92 | 156494 | 200.0 | 180.6 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.392 | 0.000 | 0 | 110792 | 50.0 | 49.1 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 128754 | 20.0 | 18.5 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 62351 | 20.0 | 17.5 | |
| 60 Isobutyl alcohol | 43 | 3.528 | 3.521 | 0.007 | 99 | 28741 | 500.0 | 422.6 | |
| 61 t-Amyl alcohol | 59 | 3.592 | 3.593 | -0.001 | 97 | 23454 | 200.0 | 185.2 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.636 | -0.001 | 99 | 381631 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 68653 | 20.0 | 16.4 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 95 | 82946 | 20.0 | 22.3 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 48916 | 20.0 | 19.4 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.022 | 4.022 | 0.000 | 94 | 113953 | 20.0 | 18.5 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 97 | 27796 | 20.0 | 18.6 | |
| 68 n-Butanol | 56 | 4.165 | 4.166 | -0.001 | 91 | 18554 | 500.0 | 464.5 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 86 | 45368 | 20.0 | 18.1 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 95 | 46417 | 20.0 | 18.0 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 56140 | 20.0 | 16.9 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.509 | 4.509 | 0.000 | 0 | 15909 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.524 | 4.524 | 0.000 | 87 | 22442 | 40.0 | 39.3 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 90 | 8191 | 400.0 | 392.3 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 47498 | 20.0 | 17.6 | |
| 76 2-Chloroethyl vinyl ether | 63 | 4.953 | 4.939 | 0.014 | 93 | 1714 | 20.0 | 1.20 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.975 | 4.968 | 0.007 | 96 | 69903 | 20.0 | 17.7 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 355304 | 50.0 | 48.1 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 93 | 211543 | 20.0 | 19.1 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.247 | 0.000 | 99 | 137963 | 400.0 | 681.9 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 99 | 20110 | 40.0 | 31.9 | |
| 82 Tetrachloroethene | 166 | 5.648 | 5.648 | 0.000 | 98 | 52000 | 20.0 | 20.2 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 5.691 | 5.691 | 0.000 | 97 | 169479 | 100.0 | 98.4 | |

| 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 | 5.727 | 5.727 | 0.000 | 98 | 64653 | 20.0 | 18.9 | |
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 32586 | 20.0 | 17.8 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.985 | 0.000 | 88 | 50973 | 20.0 | 18.2 | |
| 87 Chlorodibromomethane | 129 | 6.099 | 6.100 | -0.001 | 98 | 34497 | 20.0 | 15.4 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 93 | 67436 | 20.0 | 19.0 | |
| 89 Ethylene Dibromide | 107 | 6.343 | 6.350 | -0.007 | 100 | 39480 | 20.0 | 19.8 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 98 | 51775 | 20.0 | 16.9 | |
| 91 2-Hexanone | 43 | 6.758 | 6.759 | -0.001 | 97 | 112905 | 100.0 | 98.9 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 325557 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 94 | 136387 | 20.0 | 19.6 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 74765 | 20.0 | 19.3 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 92 | 40795 | 20.0 | 17.9 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 90869 | 20.0 | 19.3 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 87779 | 20.0 | 19.3 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 95 | 17849 | 20.0 | 12.7 | |
| 99 Styrene | 104 | 8.033 | 8.034 | -0.001 | 95 | 148926 | 20.0 | 19.9 | |
| 100 n-Butyl acrylate | 73 | 8.356 | 8.363 | -0.007 | 96 | 28576 | 20.0 | 17.3 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 234795 | 20.0 | 19.8 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.778 | 8.779 | -0.001 | 91 | 67584 | 20.0 | 16.8 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 90 | 117025 | 50.0 | 51.0 | |
| 104 Bromobenzene | 156 | 8.915 | 8.915 | 0.000 | 94 | 58999 | 20.0 | 19.3 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.065 | 0.000 | 99 | 282003 | 20.0 | 19.5 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.215 | 9.216 | -0.001 | 97 | 44287 | 20.0 | 18.4 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 192560 | 20.0 | 18.9 | |
| 108 4-Ethyltoluene | 105 | 9.258 | 9.259 | -0.001 | 98 | 240240 | 20.0 | 19.2 | |
| 109 1,2,3-Trichloropropane | 110 | 9.344 | 9.352 | -0.008 | 95 | 13838 | 20.0 | 17.4 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 201639 | 20.0 | 18.4 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.480 | 9.481 | -0.001 | 85 | 14163 | 20.0 | 18.2 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 99 | 174937 | 20.0 | 19.2 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 94 | 168690 | 20.0 | 19.2 | |
| 115 Butyl Methacrylate | 87 | 10.010 | 10.018 | -0.008 | 54 | 65416 | 20.0 | 17.6 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.010 | 10.018 | -0.008 | 96 | 211093 | 20.0 | 18.9 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 258557 | 20.0 | 19.3 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.440 | 0.000 | 95 | 113171 | 20.0 | 19.1 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 225935 | 20.0 | 19.6 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 189575 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 94 | 118172 | 20.0 | 18.7 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 215867 | 20.0 | 19.0 | |
| 122 2,3-Dihydroindene | 117 | 10.870 | 10.870 | 0.000 | 94 | 212464 | 20.0 | 19.0 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 97 | 18820 | 20.0 | 19.2 | |
| 124 p-Diethylbenzene | 119 | 11.063 | 11.064 | -0.001 | 93 | 120101 | 20.0 | 19.9 | |
| 125 n-Butylbenzene | 91 | 11.149 | 11.150 | -0.001 | 98 | 211431 | 20.0 | 20.1 | |
| 126 1,2-Dichlorobenzene | 146 | 11.250 | 11.250 | 0.000 | 95 | 108744 | 20.0 | 19.5 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 206743 | 20.0 | 19.3 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.317 | 0.000 | 91 | 7010 | 20.0 | 14.3 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 85117 | 20.0 | 19.5 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 93 | 74617 | 20.0 | 19.0 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 94 | 32996 | 20.0 | 18.9 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 136472 | 20.0 | 17.3 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 96 | 60317 | 20.0 | 18.0 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.0 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 36.6 | |

| 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 | 38.6 | |
| S 137 Total BTEX | 1 | | | | 0 | | 100.0 | 95.6 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00280 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00087 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

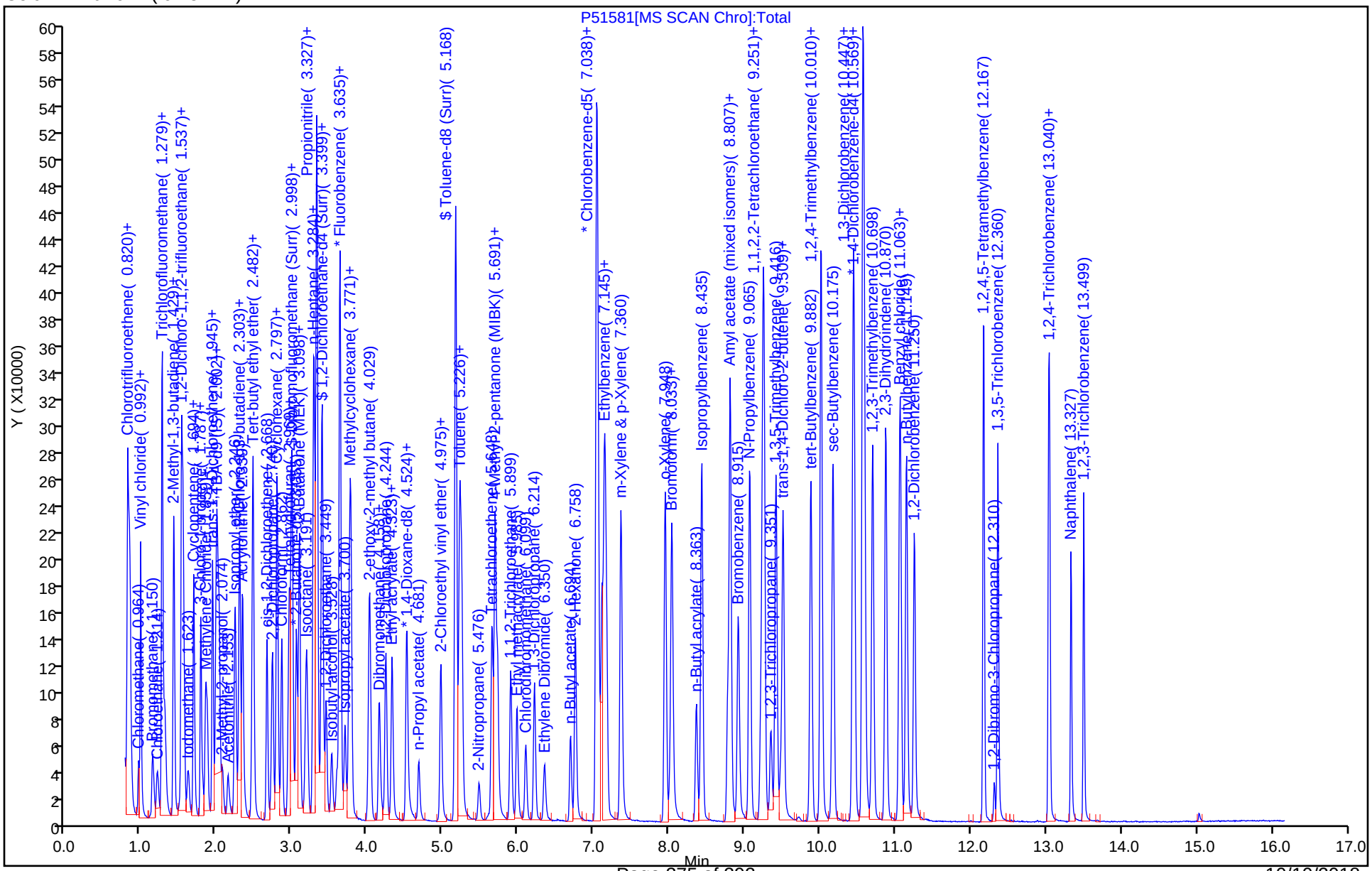
Report Date: 09-Oct-2018 08:02:58 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51581.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 08-Oct-2018 23:55:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-166215-C-7 MS | | | Worklist Smp#: | 9 |
| Client ID: | DGC-11D | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 8 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-165722-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-166215-C-7 MSD

Matrix: Water | Lab File ID: P51582.D

Analysis Method: 8260C | Date Collected: 10/03/2018 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 00:20

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.: 558499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 19.7 | | 1.0 | 0.24 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.9 | | 1.0 | 0.37 |
| 79-00-5 | 1,1,2-Trichloroethane | 18.1 | | 1.0 | 0.43 |
| 75-34-3 | 1,1-Dichloroethane | 17.6 | | 1.0 | 0.26 |
| 75-35-4 | 1,1-Dichloroethene | 19.7 | | 1.0 | 0.12 |
| 107-06-2 | 1,2-Dichloroethane | 18.2 | | 1.0 | 0.43 |
| 78-87-5 | 1,2-Dichloropropane | 18.6 | | 1.0 | 0.35 |
| 123-91-1 | 1,4-Dioxane | 411 | | 50 | 28 |
| 78-93-3 | 2-Butanone | 99.9 | | 5.0 | 1.9 |
| 591-78-6 | 2-Hexanone | 102 | | 5.0 | 2.9 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 97.5 | | 5.0 | 2.7 |
| 67-64-1 | Acetone | 96.9 | | 5.0 | 5.0 |
| 71-43-2 | Benzene | 18.7 | | 1.0 | 0.43 |
| 75-27-4 | Bromodichloromethane | 17.5 | | 1.0 | 0.34 |
| 75-25-2 | Bromoform | 13.5 | | 1.0 | 0.54 |
| 74-83-9 | Bromomethane | 18.6 | | 1.0 | 1.0 |
| 75-15-0 | Carbon disulfide | 16.4 | | 1.0 | 0.16 |
| 56-23-5 | Carbon tetrachloride | 18.6 | | 1.0 | 0.21 |
| 108-90-7 | Chlorobenzene | 19.5 | | 1.0 | 0.38 |
| 75-00-3 | Chloroethane | 20.5 | | 1.0 | 0.32 |
| 67-66-3 | Chloroform | 19.6 | | 1.0 | 0.33 |
| 74-87-3 | Chloromethane | 15.7 | | 1.0 | 0.14 |
| 156-59-2 | cis-1,2-Dichloroethene | 19.4 | | 1.0 | 0.22 |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.3 | | 1.0 | 0.46 |
| 124-48-1 | Dibromochloromethane | 15.7 | | 1.0 | 0.28 |
| 100-41-4 | Ethylbenzene | 19.1 | | 1.0 | 0.30 |
| 75-09-2 | Methylene Chloride | 17.8 | | 1.0 | 0.32 |
| 100-42-5 | Styrene | 19.7 | | 1.0 | 0.42 |
| 127-18-4 | Tetrachloroethene | 20.5 | | 1.0 | 0.25 |
| 108-88-3 | Toluene | 19.1 | | 1.0 | 0.38 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.4 | | 1.0 | 0.24 |
| 10061-02-6 | trans-1,3-Dichloropropene | 18.9 | | 1.0 | 0.49 |
| 79-01-6 | Trichloroethene | 20.1 | | 1.0 | 0.31 |
| 75-01-4 | Vinyl chloride | 18.6 | | 1.0 | 0.17 |
| 1330-20-7 | Xylenes, Total | 39.1 | | 2.0 | 0.65 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Client Sample ID:  Lab Sample ID: 460-166215-C-7 MSD

Matrix: Water  Lab File ID: P51582.D

Analysis Method: 8260C  Date Collected: 10/03/2018 11:10

Sample wt/vol: 5(mL)  Date Analyzed: 10/09/2018 00:20

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.: 558499  Units: ug/L

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 100 | | 74-132 |
| 460-00-4 | Bromofluorobenzene | 100 | | 77-124 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 100 | | 72-131 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 80-120 |

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51582.D
Lims ID: 460-166215-C-7 MSD
Client ID: DGC-11D
Sample Type: MSD
Inject. Date: 09-Oct-2018 00:20:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-166215-C-7 MSD
Misc. Info.: 460-0079950-010
Operator ID: Instrument ID: CVOAMS13

Method: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 09-Oct-2018 07:59:34 Calib Date: 05-Oct-2018 21:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS13\20181005-79797.b\P51410.D

Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desais Date: 09-Oct-2018 07:39:06

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 1 Chlorotrifluoroethene | 116 | 0.842 | 0.842 | 0.000 | 90 | 15893 | 20.0 | 18.1 | |
| 2 Dichlorodifluoromethane | 85 | 0.856 | 0.856 | 0.000 | 99 | 50632 | 20.0 | 21.4 | |
| 3 Chloromethane | 50 | 0.964 | 0.964 | 0.000 | 51 | 36405 | 20.0 | 15.7 | |
| 5 Butadiene | 54 | 0.992 | 0.992 | 0.000 | 96 | 41491 | 20.0 | 20.0 | |
| 4 Vinyl chloride | 62 | 0.992 | 0.992 | 0.000 | 72 | 45814 | 20.0 | 18.6 | |
| 6 Bromomethane | 94 | 1.150 | 1.150 | 0.000 | 98 | 35459 | 20.0 | 18.6 | |
| 7 Chloroethane | 64 | 1.214 | 1.214 | 0.000 | 100 | 37500 | 20.0 | 20.5 | |
| 9 Pentane | 72 | 1.279 | 1.272 | 0.007 | 96 | 17706 | 40.0 | 58.7 | |
| 8 Trichlorofluoromethane | 101 | 1.279 | 1.272 | 0.007 | 100 | 83182 | 20.0 | 26.0 | |
| 10 Dichlorofluoromethane | 67 | 1.307 | 1.308 | -0.001 | 98 | 91424 | 20.0 | 20.6 | |
| 11 2-Methyl-1,3-butadiene | 67 | 1.429 | 1.429 | 0.000 | 99 | 58365 | 20.0 | 19.3 | |
| 12 Ethyl ether | 59 | 1.436 | 1.437 | 0.000 | 94 | 34084 | 20.0 | 17.3 | |
| 13 Ethanol | 46 | 1.515 | 1.508 | 0.007 | 96 | 4159 | 800.0 | 521.8 | |
| 15 1,2-Dichloro-1,1,2-trifluo | 67 | 1.537 | 1.530 | 0.007 | 86 | 55328 | 20.0 | 19.3 | |
| 14 1,1-Dichloroethene | 96 | 1.537 | 1.537 | 0.000 | 99 | 41241 | 20.0 | 19.7 | |
| 16 Carbon disulfide | 76 | 1.551 | 1.551 | 0.000 | 100 | 121581 | 20.0 | 16.4 | |
| 17 1,1,2-Trichloro-1,2,2-trif | 101 | 1.558 | 1.558 | 0.000 | 97 | 43641 | 20.0 | 23.4 | |
| 18 Iodomethane | 142 | 1.623 | 1.623 | 0.000 | 98 | 49346 | 20.0 | 14.7 | |
| 19 Cyclopentene | 67 | 1.694 | 1.694 | 0.000 | 96 | 104000 | 20.0 | 19.7 | |
| 20 Acrolein | 56 | 1.716 | 1.716 | 0.000 | 93 | 9413 | 40.0 | 60.7 | |
| 21 3-Chloro-1-propene | 76 | 1.787 | 1.787 | 0.000 | 87 | 26529 | 20.0 | 18.5 | |
| 22 Isopropyl alcohol | 45 | 1.816 | 1.816 | 0.000 | 97 | 23863 | 200.0 | 236.6 | |
| 23 Methylene Chloride | 84 | 1.859 | 1.852 | 0.007 | 91 | 48379 | 20.0 | 17.8 | |
| 24 Acetone | 43 | 1.873 | 1.873 | 0.000 | 86 | 46263 | 100.0 | 96.9 | |
| 25 trans-1,2-Dichloroethene | 96 | 1.945 | 1.945 | 0.000 | 96 | 47119 | 20.0 | 19.4 | |
| 26 Methyl acetate | 43 | 1.952 | 1.952 | 0.000 | 99 | 48420 | 40.0 | 37.1 | |
| 27 Hexane | 86 | 1.995 | 1.995 | 0.000 | 93 | 12591 | 20.0 | 26.2 | |
| 28 Methyl tert-butyl ether | 73 | 2.009 | 2.010 | -0.001 | 90 | 132811 | 20.0 | 18.9 | |
| * 29 TBA-d9 (IS) | 65 | 2.031 | 2.031 | 0.000 | 0 | 141132 | 1000.0 | 1000.0 | |
| 30 2-Methyl-2-propanol | 59 | 2.081 | 2.074 | 0.007 | 99 | 33445 | 200.0 | 189.1 | |
| 31 Acetonitrile | 41 | 2.145 | 2.146 | -0.001 | 98 | 36810 | 200.0 | 175.3 | |

| 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 | 2.246 | 2.246 | 0.000 | 94 | 141568 | 20.0 | 17.6 | |
| 33 2-Chloro-1,3-butadiene | 88 | 2.296 | 2.296 | 0.000 | 94 | 39337 | 20.0 | 18.5 | |
| 34 1,1-Dichloroethane | 63 | 2.310 | 2.310 | 0.000 | 99 | 79621 | 20.0 | 17.6 | |
| 35 Acrylonitrile | 53 | 2.339 | 2.339 | 0.000 | 94 | 131868 | 200.0 | 196.4 | |
| 36 Tert-butyl ethyl ether | 59 | 2.475 | 2.475 | 0.000 | 89 | 139950 | 20.0 | 18.3 | |
| 37 Vinyl acetate | 43 | 2.482 | 2.482 | 0.000 | 99 | 185100 | 40.0 | 42.3 | |
| 38 cis-1,2-Dichloroethene | 96 | 2.668 | 2.669 | -0.001 | 98 | 52136 | 20.0 | 19.4 | |
| 39 2,2-Dichloropropane | 77 | 2.740 | 2.740 | 0.000 | 97 | 76660 | 20.0 | 21.8 | |
| 40 Cyclohexane | 56 | 2.804 | 2.797 | 0.007 | 91 | 77091 | 20.0 | 22.0 | |
| 41 Chlorobromomethane | 128 | 2.804 | 2.805 | -0.001 | 83 | 24967 | 20.0 | 20.2 | |
| 42 Chloroform | 83 | 2.862 | 2.862 | 0.000 | 97 | 83657 | 20.0 | 19.6 | |
| 43 Carbon tetrachloride | 117 | 2.955 | 2.955 | 0.000 | 96 | 52712 | 20.0 | 18.6 | |
| 44 Ethyl acetate | 70 | 2.962 | 2.962 | 0.000 | 99 | 9345 | 40.0 | 40.5 | |
| 45 Methyl acrylate | 55 | 2.969 | 2.969 | 0.000 | 88 | 32653 | 20.0 | 17.1 | |
| 46 Tetrahydrofuran | 42 | 2.976 | 2.977 | -0.001 | 94 | 27629 | 40.0 | 39.2 | |
| $ 47 Dibromofluoromethane (Surr | 113 | 2.991 | 2.991 | 0.000 | 96 | 88588 | 50.0 | 49.9 | |
| 48 1,1,1-Trichloroethane | 97 | 3.005 | 3.005 | 0.000 | 97 | 72154 | 20.0 | 19.7 | |
| * 49 2-Butanone-d5 | 46 | 3.055 | 3.055 | 0.000 | 0 | 157156 | 250.0 | 250.0 | |
| 50 2-Butanone (MEK) | 72 | 3.091 | 3.091 | 0.000 | 99 | 23335 | 100.0 | 99.9 | |
| 51 1,1-Dichloropropene | 75 | 3.098 | 3.098 | 0.000 | 94 | 66106 | 20.0 | 19.1 | |
| 52 Isooctane | 57 | 3.191 | 3.191 | 0.000 | 98 | 146281 | 20.0 | 23.7 | |
| 53 n-Heptane | 57 | 3.284 | 3.285 | -0.001 | 88 | 36262 | 20.0 | 24.7 | |
| 54 Benzene | 78 | 3.292 | 3.285 | 0.007 | 96 | 192014 | 20.0 | 18.7 | |
| 55 Propionitrile | 54 | 3.306 | 3.306 | 0.000 | 99 | 48047 | 200.0 | 192.9 | |
| 56 Methacrylonitrile | 67 | 3.327 | 3.328 | -0.001 | 92 | 163902 | 200.0 | 187.3 | |
| $ 57 1,2-Dichloroethane-d4 (Sur | 65 | 3.392 | 3.392 | 0.000 | 0 | 113666 | 50.0 | 49.8 | |
| 58 Tert-amyl methyl ether | 73 | 3.399 | 3.399 | 0.000 | 98 | 133172 | 20.0 | 19.0 | |
| 59 1,2-Dichloroethane | 62 | 3.449 | 3.449 | 0.000 | 98 | 65630 | 20.0 | 18.2 | |
| 60 Isobutyl alcohol | 43 | 3.521 | 3.521 | 0.000 | 98 | 30934 | 500.0 | 443.2 | |
| 61 t-Amyl alcohol | 59 | 3.592 | 3.593 | -0.001 | 97 | 25105 | 200.0 | 193.2 | |
| * 62 Fluorobenzene | 96 | 3.635 | 3.636 | -0.001 | 99 | 385412 | 50.0 | 50.0 | |
| 63 Isopropyl acetate | 43 | 3.700 | 3.700 | 0.000 | 99 | 73377 | 20.0 | 17.4 | |
| 64 Methylcyclohexane | 83 | 3.764 | 3.764 | 0.000 | 95 | 85492 | 20.0 | 22.8 | |
| 65 Trichloroethene | 130 | 3.779 | 3.779 | 0.000 | 97 | 51413 | 20.0 | 20.1 | |
| 66 2-ethoxy-2-methyl butane | 59 | 4.029 | 4.022 | 0.007 | 93 | 117901 | 20.0 | 18.9 | |
| 67 Dibromomethane | 93 | 4.151 | 4.151 | 0.000 | 95 | 29929 | 20.0 | 19.9 | |
| 68 n-Butanol | 56 | 4.165 | 4.166 | -0.001 | 87 | 20143 | 500.0 | 491.3 | |
| 69 1,2-Dichloropropane | 63 | 4.244 | 4.244 | 0.000 | 85 | 46998 | 20.0 | 18.6 | |
| 71 Ethyl acrylate | 55 | 4.323 | 4.323 | 0.000 | 97 | 48501 | 20.0 | 18.6 | |
| 70 Dichlorobromomethane | 83 | 4.323 | 4.323 | 0.000 | 98 | 58475 | 20.0 | 17.5 | |
| * 72 1,4-Dioxane-d8 | 96 | 4.516 | 4.509 | 0.007 | 0 | 15570 | 1000.0 | 1000.0 | |
| 73 Methyl methacrylate | 100 | 4.516 | 4.524 | -0.008 | 87 | 23637 | 40.0 | 41.0 | |
| 74 1,4-Dioxane | 88 | 4.538 | 4.538 | 0.000 | 62 | 8400 | 400.0 | 411.1 | |
| 75 n-Propyl acetate | 43 | 4.681 | 4.681 | 0.000 | 98 | 50017 | 20.0 | 18.3 | |
| 77 cis-1,3-Dichloropropene | 75 | 4.975 | 4.968 | 0.007 | 96 | 73564 | 20.0 | 18.3 | |
| $ 78 Toluene-d8 (Surr) | 98 | 5.168 | 5.168 | 0.000 | 99 | 362783 | 50.0 | 48.1 | |
| 79 Toluene | 91 | 5.226 | 5.226 | 0.000 | 93 | 215906 | 20.0 | 19.1 | |
| 80 Epichlorohydrin | 57 | 5.247 | 5.247 | 0.000 | 99 | 142575 | 400.0 | 677.3 | |
| 81 2-Nitropropane | 41 | 5.476 | 5.476 | 0.000 | 100 | 20716 | 40.0 | 32.5 | |
| 82 Tetrachloroethene | 166 | 5.648 | 5.648 | 0.000 | 98 | 53944 | 20.0 | 20.5 | |
| 83 4-Methyl-2-pentanone (MIBK | 43 | 5.691 | 5.691 | 0.000 | 97 | 174606 | 100.0 | 97.5 | |
| 84 trans-1,3-Dichloropropene | 75 | 5.727 | 5.727 | 0.000 | 97 | 65998 | 20.0 | 18.9 | |

| Compound | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| 85 1,1,2-Trichloroethane | 83 | 5.899 | 5.899 | 0.000 | 94 | 33902 | 20.0 | 18.1 | |
| 86 Ethyl methacrylate | 69 | 5.985 | 5.985 | 0.000 | 88 | 52736 | 20.0 | 18.7 | |
| 87 Chlorodibromomethane | 129 | 6.099 | 6.100 | -0.001 | 98 | 35809 | 20.0 | 15.7 | |
| 88 1,3-Dichloropropane | 76 | 6.214 | 6.214 | 0.000 | 94 | 69609 | 20.0 | 19.2 | |
| 89 Ethylene Dibromide | 107 | 6.350 | 6.350 | 0.000 | 99 | 40690 | 20.0 | 20.0 | |
| 90 n-Butyl acetate | 43 | 6.694 | 6.694 | 0.000 | 97 | 53749 | 20.0 | 17.2 | |
| 91 2-Hexanone | 43 | 6.758 | 6.759 | -0.001 | 96 | 120584 | 100.0 | 101.6 | |
| * 92 Chlorobenzene-d5 | 117 | 7.038 | 7.038 | 0.000 | 87 | 332234 | 50.0 | 50.0 | |
| 93 Chlorobenzene | 112 | 7.059 | 7.059 | 0.000 | 94 | 138147 | 20.0 | 19.5 | |
| 94 Ethylbenzene | 106 | 7.145 | 7.145 | 0.000 | 99 | 75645 | 20.0 | 19.1 | |
| 95 1,1,1,2-Tetrachloroethane | 131 | 7.167 | 7.167 | 0.000 | 91 | 42633 | 20.0 | 18.3 | |
| 96 m-Xylene & p-Xylene | 106 | 7.360 | 7.360 | 0.000 | 0 | 93880 | 20.0 | 19.5 | |
| 97 o-Xylene | 106 | 7.948 | 7.948 | 0.000 | 94 | 90803 | 20.0 | 19.6 | |
| 98 Bromoform | 173 | 8.012 | 8.012 | 0.000 | 94 | 19235 | 20.0 | 13.5 | |
| 99 Styrene | 104 | 8.033 | 8.034 | -0.001 | 94 | 151033 | 20.0 | 19.7 | |
| 100 n-Butyl acrylate | 73 | 8.363 | 8.363 | 0.000 | 97 | 29648 | 20.0 | 17.6 | |
| 101 Isopropylbenzene | 105 | 8.435 | 8.435 | 0.000 | 96 | 239013 | 20.0 | 19.7 | |
| 102 Amyl acetate (mixed isomer | 43 | 8.778 | 8.779 | -0.001 | 91 | 70094 | 20.0 | 17.2 | |
| $ 103 4-Bromofluorobenzene | 174 | 8.814 | 8.807 | 0.007 | 90 | 116784 | 50.0 | 49.9 | |
| 104 Bromobenzene | 156 | 8.922 | 8.915 | 0.007 | 96 | 60874 | 20.0 | 19.7 | |
| 105 N-Propylbenzene | 91 | 9.065 | 9.065 | 0.000 | 99 | 288323 | 20.0 | 19.7 | |
| 106 1,1,2,2-Tetrachloroethane | 83 | 9.215 | 9.216 | -0.001 | 97 | 46083 | 20.0 | 18.9 | |
| 107 2-Chlorotoluene | 91 | 9.244 | 9.244 | 0.000 | 97 | 196455 | 20.0 | 19.0 | |
| 108 4-Ethyltoluene | 105 | 9.258 | 9.259 | -0.001 | 98 | 247141 | 20.0 | 19.6 | |
| 109 1,2,3-Trichloropropane | 110 | 9.351 | 9.352 | -0.001 | 96 | 14286 | 20.0 | 17.8 | |
| 110 1,3,5-Trimethylbenzene | 105 | 9.416 | 9.416 | 0.000 | 93 | 208196 | 20.0 | 18.8 | |
| 111 trans-1,4-Dichloro-2-buten | 53 | 9.480 | 9.481 | -0.001 | 86 | 14124 | 20.0 | 17.9 | |
| 112 4-Chlorotoluene | 91 | 9.509 | 9.509 | 0.000 | 98 | 180702 | 20.0 | 19.6 | |
| 113 tert-Butylbenzene | 119 | 9.882 | 9.882 | 0.000 | 94 | 174692 | 20.0 | 19.7 | |
| 115 Butyl Methacrylate | 87 | 10.018 | 10.018 | 0.000 | 56 | 67574 | 20.0 | 17.9 | |
| 114 1,2,4-Trimethylbenzene | 105 | 10.010 | 10.018 | -0.008 | 96 | 218242 | 20.0 | 19.3 | |
| 116 sec-Butylbenzene | 105 | 10.175 | 10.175 | 0.000 | 99 | 266791 | 20.0 | 19.7 | |
| 117 1,3-Dichlorobenzene | 146 | 10.440 | 10.440 | 0.000 | 95 | 117479 | 20.0 | 19.6 | |
| 118 4-Isopropyltoluene | 119 | 10.455 | 10.455 | 0.000 | 97 | 230803 | 20.0 | 19.8 | |
| * 119 1,4-Dichlorobenzene-d4 | 152 | 10.569 | 10.569 | 0.000 | 96 | 191741 | 50.0 | 50.0 | |
| 120 1,4-Dichlorobenzene | 146 | 10.591 | 10.591 | 0.000 | 95 | 123726 | 20.0 | 19.4 | |
| 121 1,2,3-Trimethylbenzene | 105 | 10.698 | 10.698 | 0.000 | 99 | 224543 | 20.0 | 19.6 | |
| 122 2,3-Dihydroindene | 117 | 10.870 | 10.870 | 0.000 | 94 | 219863 | 20.0 | 19.4 | |
| 123 Benzyl chloride | 126 | 11.049 | 11.049 | 0.000 | 97 | 20149 | 20.0 | 20.3 | |
| 124 p-Diethylbenzene | 119 | 11.063 | 11.064 | -0.001 | 93 | 125315 | 20.0 | 20.6 | |
| 125 n-Butylbenzene | 91 | 11.149 | 11.150 | -0.001 | 98 | 216816 | 20.0 | 20.4 | |
| 126 1,2-Dichlorobenzene | 146 | 11.250 | 11.250 | 0.000 | 96 | 114754 | 20.0 | 20.3 | |
| 127 1,2,4,5-Tetramethylbenzene | 119 | 12.174 | 12.174 | 0.000 | 97 | 213248 | 20.0 | 19.6 | |
| 128 1,2-Dibromo-3-Chloropropan | 157 | 12.317 | 12.317 | 0.000 | 90 | 7181 | 20.0 | 14.5 | |
| 129 1,3,5-Trichlorobenzene | 180 | 12.360 | 12.360 | 0.000 | 97 | 89709 | 20.0 | 20.3 | |
| 130 1,2,4-Trichlorobenzene | 180 | 13.033 | 13.033 | 0.000 | 93 | 78423 | 20.0 | 19.7 | |
| 131 Hexachlorobutadiene | 225 | 13.048 | 13.048 | 0.000 | 96 | 34726 | 20.0 | 19.7 | |
| 132 Naphthalene | 128 | 13.327 | 13.327 | 0.000 | 99 | 148378 | 20.0 | 18.6 | |
| 133 1,2,3-Trichlorobenzene | 180 | 13.499 | 13.499 | 0.000 | 96 | 66247 | 20.0 | 19.6 | |
| S 134 1,2-Dichloroethene, Total | 100 | | | | 0 | | 40.0 | 38.8 | |
| S 135 1,3-Dichloropropene, Total | 100 | | | | 0 | | 40.0 | 37.2 | |
| S 136 Xylenes, Total | 100 | | | | 0 | | 40.0 | 39.1 | |

| 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 | 96.0 | |

## Reagents:

| | | | | |
|---|---|---|---|---|
| GASES Li_00280 | Amount Added: | 20.00 | Units: uL | |
| 8260MIX1COMB_00087 | Amount Added: | 20.00 | Units: uL | |
| ACROLEIN W_00081 | Amount Added: | 4.00 | Units: uL | |
| 8260ISNEW_00123 | Amount Added: | 1.00 | Units: uL | Run Reagent |
| 8260SURR250_00182 | Amount Added: | 1.00 | Units: uL | Run Reagent |

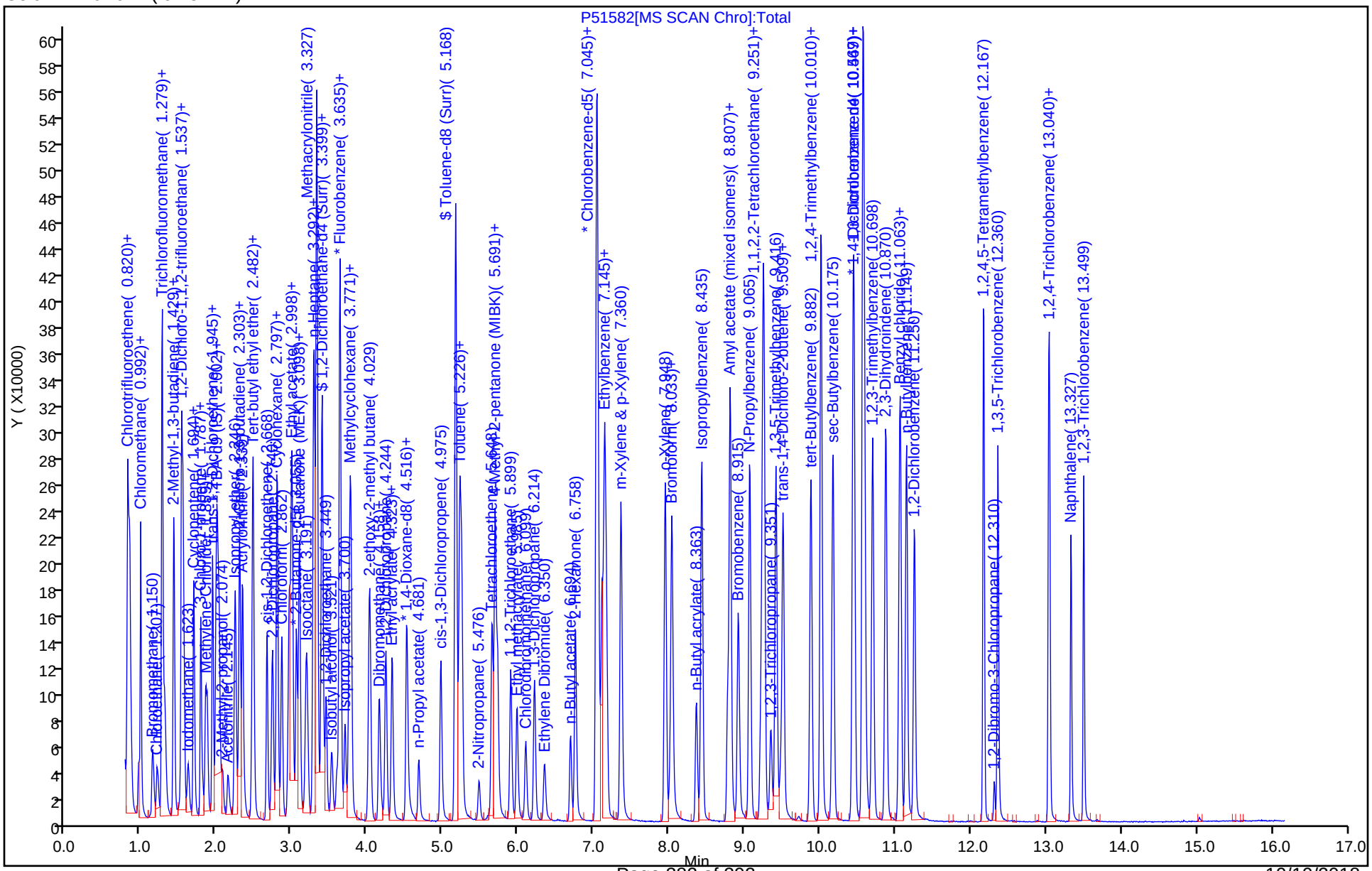
Report Date: 09-Oct-2018 08:03:02 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS13\20181008-79950.b\P51582.D

| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 09-Oct-2018 00:20:30 | Instrument ID: | CVOAMS13 | Operator ID: | |
| Lims ID: | 460-166215-C-7 MSD | | | Worklist Smp#: | 10 |
| Client ID: | DGC-11D | | | | |
| Purge Vol: | 5.000 mL | Dil. Factor: | 1.0000 | ALS Bottle#: | 9 |
| Method: | 8260W_13 | Limit Group: | VOA - 8260C Water and Solid | | |

Column: Rtx-624 ( 0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 10/05/2018 17:26

Analysis Batch Number: 557743 End Date: 10/06/2018 04:31

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-557743/1 | | 10/05/2018 17:26 | 1 | P51402.D | Rtx-624 0.25(mm) |
| STD8 460-557743/2 IC | | 10/05/2018 18:07 | 1 | P51403.D | Rtx-624 0.25(mm) |
| STD05 460-557743/3 IC | | 10/05/2018 18:34 | 1 | P51404.D | Rtx-624 0.25(mm) |
| STD1 460-557743/4 IC | | 10/05/2018 19:00 | 1 | P51405.D | Rtx-624 0.25(mm) |
| STD5 460-557743/5 IC | | 10/05/2018 19:26 | 1 | P51406.D | Rtx-624 0.25(mm) |
| STD20 460-557743/6 ICIS | | 10/05/2018 19:53 | 1 | P51407.D | Rtx-624 0.25(mm) |
| STD50 460-557743/7 IC | | 10/05/2018 20:19 | 1 | P51408.D | Rtx-624 0.25(mm) |
| STD200 460-557743/8 IC | | 10/05/2018 20:45 | 1 | P51409.D | Rtx-624 0.25(mm) |
| STD500 460-557743/9 IC | | 10/05/2018 21:11 | 1 | P51410.D | Rtx-624 0.25(mm) |
| ICV 460-557743/14 | | 10/05/2018 23:23 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/05/2018 23:49 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 00:16 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 01:34 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 01:59 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 02:24 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 02:50 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 03:15 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 03:40 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 04:05 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/06/2018 04:31 | 1 | | Rtx-624 0.25(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-165722-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 10/07/2018 19:10

Analysis Batch Number: 558208 End Date: 10/08/2018 06:52

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-558208/1 | | 10/07/2018 19:10 | 1 | P51515.D | Rtx-624 0.25(mm) |
| CCVIS 460-558208/2 | | 10/07/2018 19:36 | 1 | P51516.D | Rtx-624 0.25(mm) |
| LCS 460-558208/3 | | 10/07/2018 20:01 | 1 | P51517.D | Rtx-624 0.25(mm) |
| LCSD 460-558208/4 | | 10/07/2018 20:27 | 1 | P51518.D | Rtx-624 0.25(mm) |
| MB 460-558208/7 | | 10/07/2018 21:43 | 1 | P51521.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/07/2018 22:14 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/07/2018 22:39 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/07/2018 23:04 | 20 | | Rtx-624 0.25(mm) |
| 460-165722-1 | | 10/07/2018 23:55 | 1 | P51526.D | Rtx-624 0.25(mm) |
| 460-165722-5 | | 10/08/2018 00:20 | 1 | P51527.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 00:45 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 01:10 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 01:36 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 02:01 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 02:26 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 02:51 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 03:17 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 03:42 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 04:20 | 1 | | Rtx-624 0.25(mm) |
| 460-165722-2 | | 10/08/2018 04:45 | 1 | P51537.D | Rtx-624 0.25(mm) |
| 460-165722-3 | | 10/08/2018 05:11 | 1 | P51538.D | Rtx-624 0.25(mm) |
| 460-165722-4 | | 10/08/2018 05:36 | 1 | P51539.D | Rtx-624 0.25(mm) |
| 460-165722-8 | | 10/08/2018 06:01 | 1 | P51540.D | Rtx-624 0.25(mm) |
| 460-165722-7 | | 10/08/2018 06:26 | 1 | P51541.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 06:52 | 5 | | Rtx-624 0.25(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Instrument ID: CVOAMS13  Start Date: 10/08/2018 20:10

Analysis Batch Number: 558499  End Date: 10/09/2018 05:48

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 460-558499/1 | | 10/08/2018 20:10 | 1 | P51573.D | Rtx-624 0.25(mm) |
| CCVIS 460-558499/2 | | 10/08/2018 20:42 | 1 | P51574.D | Rtx-624 0.25(mm) |
| LCS 460-558499/3 | | 10/08/2018 21:07 | 1 | P51575.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/08/2018 21:32 | 1 | | Rtx-624 0.25(mm) |
| MB 460-558499/7 | | 10/08/2018 22:48 | 1 | P51579.D | Rtx-624 0.25(mm) |
| 460-165722-6 | | 10/08/2018 23:30 | 1 | P51580.D | Rtx-624 0.25(mm) |
| 460-166215-C-7 MS | | 10/08/2018 23:55 | 1 | P51581.D | Rtx-624 0.25(mm) |
| 460-166215-C-7 MSD | | 10/09/2018 00:20 | 1 | P51582.D | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 01:36 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 02:01 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 02:26 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 02:51 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 03:17 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 03:42 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 04:07 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 04:32 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 04:58 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 05:23 | 1 | | Rtx-624 0.25(mm) |
| ZZZZZ | | 10/09/2018 05:48 | 1 | | Rtx-624 0.25(mm) |

# GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Batch Number: 558208  Batch Start Date: 10/07/18 19:10  Batch Analyst: Collado, Ximena X

Batch Method: 8260C  Batch End Date:

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 8260ISNEW 00123 | 8260MIX1COMB 00087 | 8260SURR250 00182 | ACROLEIN W 00081 |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-558208/1 | | 8260C | | 5 mL | 5 mL | | | | |
| CCVIS 460-558208/2 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| LCS 460-558208/3 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| LCSD 460-558208/4 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| MB 460-558208/7 | | 8260C | | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-A-1 | TB | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-A-5 | FB | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-C-2 | MW-24 | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-A-3 | MW-71 | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-A-4 | PZ-23 | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-A-8 | MW-54 | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-A-7 | MW-36 | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | BFB 00017 | GASES Li 00280 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-558208/1 | | 8260C | | 1 uL | | | | | |
| CCVIS 460-558208/2 | | 8260C | | | 20 uL | | | | |
| LCS 460-558208/3 | | 8260C | | | 20 uL | | | | |
| LCSD 460-558208/4 | | 8260C | | | 20 uL | | | | |
| MB 460-558208/7 | | 8260C | | | | | | | |
| 460-165722-A-1 | TB | 8260C | T | | | | | | |
| 460-165722-A-5 | FB | 8260C | T | | | | | | |
| 460-165722-C-2 | MW-24 | 8260C | T | | | | | | |
| 460-165722-A-3 | MW-71 | 8260C | T | | | | | | |
| 460-165722-A-4 | PZ-23 | 8260C | T | | | | | | |
| 460-165722-A-8 | MW-54 | 8260C | T | | | | | | |
| 460-165722-A-7 | MW-36 | 8260C | T | | | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Batch Number: 558208  Batch Start Date: 10/07/18 19:10  Batch Analyst: Collado, Ximena X

Batch Method: 8260C  Batch End Date:

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison  Job No.: 460-165722-1

SDG No.:

Batch Number: 558499  Batch Start Date: 10/08/18 20:10  Batch Analyst: Collado, Ximena X

Batch Method: 8260C  Batch End Date:

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 8260ISNEW 00123 | 8260MIX1COMB 00087 | 8260SURR250 00182 | ACROLEIN W 00081 |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-558499/1 | | 8260C | | 5 mL | 5 mL | | | | |
| CCVIS 460-558499/2 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| LCS 460-558499/3 | | 8260C | | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| MB 460-558499/7 | | 8260C | | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-165722-B-6 | MW-31 | 8260C | T | 5 mL | 5 mL | 1 uL | | 1 uL | |
| 460-166215-C-7 MS | DGC-11D | 8260C | T | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |
| 460-166215-C-7 MSD | DGC-11D | 8260C | T | 5 mL | 5 mL | 1 uL | 20 uL | 1 uL | 4 uL |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | BFB 00017 | GASES Li 00280 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| BFB 460-558499/1 | | 8260C | | 1 uL | | | | | |
| CCVIS 460-558499/2 | | 8260C | | | 20 uL | | | | |
| LCS 460-558499/3 | | 8260C | | | 20 uL | | | | |
| MB 460-558499/7 | | 8260C | | | | | | | |
| 460-165722-B-6 | MW-31 | 8260C | T | | | | | | |
| 460-166215-C-7 MS | DGC-11D | 8260C | T | | 20 uL | | | | |
| 460-166215-C-7 MSD | DGC-11D | 8260C | T | | 20 uL | | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# 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 Manzanillo | Samplers Name ( Printed ) C. Basile/M. Wu | Site/Project Identification 1912-ABNM 9/2018 |
| Company ECM, Inc. | P. O. # | State (Location of site): NJ: ☐ NY: ☒ Other: |
| | | Regulatory Program: NYDEC 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)874-0949/0920 Fax | | |

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

| Sample Identification | Date | Time | Matrix | No. of Cont. | TCL VOC+15 | Sample Numbers |
|---|---|---|---|---|---|---|
| TB | 9/26/18 | — | AQ | 2 | | 1 |
| MW-24 | 9/27/18 | 0938 | GW | 3 | | 2 |
| MW-7I | | 0935 | GW | 3 | | 3 |
| PZ-23 | | 1045 | GW | 3 | | 4 |
| FB | | 1010 | AQ | 2 | | 5 |
| MW-31 | | 1140 | GW | 3 | | 6 |
| MW-36 | | 1215 | GW | 3 | | 7 |
| MW-54 | | 1330 | GW | 3 | | 8 |
| | | | | | | |
| | | | | | | |

LAB USE ONLY
Project No:
Job No: 165922

460-165722 Chain of Custody

**Preservation Used:** 1 = ICE, 2 = HCl, 3 = $H_2SO_4$, 4 = $HNO_3$, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water: 42

**Special Instructions:** *NYSDEC TCL VOC+15 w/ search for MIBK, 1,4-dioxane

Water Metals Filtered (Yes/No)? _____

| | Relinquished by | Company | Date / Time | Received by | Company |
|---|---|---|---|---|---|
| 1) | | ECM | 9/27/18 1555 | | TA |
| 2) | | | | | 9/27/18 16:55 |
| 3) | | | | | LO FG |
| 4) | | | | | |

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: 165722

Number of Coolers: 1 IR Gun # 9

### Cooler Temperatures

| | RAW | CORRECTED | | RAW | CORRECTED | | RAW | CORRECTED |
|---|---|---|---|---|---|---|---|---|
| Cooler #1: | 1.0 °C | 1.0 °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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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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: 09/29/2018

# Login Sample Receipt Checklist

Client: ECM, Inc.

Job Number: 460-165722-1

**Login Number: 165722**
**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 | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | False | Analyses listed on COC; individual samples not designated for specific analyses |
| 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 | |