

Second Quarter 2020
Groundwater Monitoring Report
Patchogue Former MGP Site
NYSDEC Site No. 1-52-182
Village of Patchogue, Suffolk County, New York

Prepared for
National Grid USA
Hicksville, New York
October 2020

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List of Abbreviations

BC	Brown and Caldwell Associates
BTEX	Benzene, toluene, ethylbenzene and isomers of xylene
CCR	Construction Completion Report
DUSR	Data Usability Summary Report
EDD	Electronic Data Deliverable
ELAP	Environmental Laboratory Approval Program
ISS	In-Situ Solidification
Lancaster	Eurofins Lancaster Laboratories Environmental
MGP	Manufactured Gas Plant
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MTBE	Methyl tertiary-butyl ether
NAPL	Non-Aqueous Phase Liquid
NYCRR	New York State Code of Rules and Regulations
NYSDEC	New York Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAHs	Polycyclic aromatic hydrocarbons
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
SIM	Selective Ion Monitoring
TOGS	Technical and Operational Guidance Series
µg/L	micrograms per liter
USEPA	United States Environmental Protection Agency

Section 1

Introduction

This Quarterly Groundwater Monitoring Report documents the implementation and summarizes the results of the groundwater monitoring activities conducted during the second quarter of 2020 at the Patchogue Former Manufactured Gas Plant (MGP) Site (hereinafter referred to as the “Site”). This monitoring event is the second to be conducted after completion of the implementation of the remedy in the fourth quarter 2019. The groundwater monitoring activities included the performance of water level measurements, non-aqueous phase liquid (NAPL) gauging and groundwater sampling activities.

The groundwater monitoring event and the preparation of this report are part of the long-term groundwater monitoring program being conducted at the Site in accordance with the “100% Remedial Design Report” (Brown and Caldwell Associates (BC), May 2019) as modified by subsequent email correspondence between National Grid and the New York State Department of Environmental Conservation (NYSDEC). Remedial construction activities were substantially completed in 2019. Restoration were completed in Summer 2020. This report has been prepared for submittal to the NYSDEC and includes the following:

- Description of the scope of the field activities, methods and procedures;
- Table summarizing the results of the water level measurements and the gauging for the presence of NAPL in the monitoring wells (Table 1);
- Table summarizing the analytical results for the groundwater samples obtained during the June 2020 monitoring event including a comparison to the applicable groundwater quality criteria (Table 2);
- Comparison of data from this monitoring period to data from historical monitoring events (Tables 3 and 4);
- Discussion of the results and findings from the groundwater monitoring data;
- A water table elevation contour map depicting the generalized direction of groundwater flow based on groundwater elevation data obtained from monitoring wells (Figure 1);
- Field Sampling Data Sheets (Appendix A);
- Laboratory Data Report (Appendix B);
- Data Validator Qualifications (Appendix C)
- Data Usability Summary Report (Appendix D);
- Electronic Data Deliverable (Appendix E); and
- Evaluation of Potential Impacts to River from Site Constituents in Groundwater (Appendix F).

1.1 Background

This report presents the results and findings associated with the June 2020 groundwater monitoring event, which is the second such event conducted following implementation of the Site remedy. Groundwater conditions prior to remedy implementation are documented and discussed in previous groundwater monitoring reports dating back to 2009 and in the “Final Remedial Investigation Report for the Patchogue Former MGP Site” (Tetra Tech EC, Inc., December 2009). Remedial construction activities, which included in-situ solidification (ISS) of MGP-related source materials and associated soils,

were performed during the period from June through December 2019. Final site restoration efforts were completed in the Summer of 2020. At the end of 2018, groundwater monitoring was suspended to allow for remedial construction activities. Several monitoring wells and piezometers were decommissioned prior to remedial construction activities to facilitate remedy implementation. These wells included MW-5, MW-6, MW-9S, MW-9D, and PZ-1A through PZ-4A. Each well/piezometer was decommissioned in accordance with NYSDEC's guidance document "CP-43: Groundwater Monitoring Well Decommissioning Policy". A description of the decommissioning activities, as well as field inspection logs and well decommissioning records, will be provided under separate cover in the Construction Completion Report (CCR).

Prior to resumption of groundwater monitoring following remedial construction activities, five monitoring well couplets (MW-10S/D through MW-14S/D) were installed in January 2020 to facilitate performance of a long-term groundwater monitoring program at the Site. These additions to the well network were installed in accordance with the "100% Remedial Design Report" (BC, May 2019) and as modified by subsequent email correspondence between National Grid and the NYSDEC. These wells are supplemental to previously-installed wells MW-1, MW-3, MW-4S/D, MW-7S/D, and MW-8S/D, which serve as site perimeter monitoring locations. The newly installed well couplets are intended to more fully characterize post-remediation groundwater quality conditions at locations positioned around the ISS mass, and at locations between the ISS mass and the Patchogue River. The screens of the monitoring wells provide coverage across the vertical extent of the ISS mass. A description of the well installation activities and monitoring well construction logs for the newly installed couplets will be provided in the CCR.

Groundwater monitoring prior to remedy implementation was conducted on a semi-annual basis; however, the sampling frequency will be temporarily increased to quarterly to evaluate the effectiveness of the remedy for Calendar Years 2020 and possibly 2021, depending on the results. The post-remediation groundwater monitoring results will be assessed after the 2020 quarterly groundwater monitoring program to determine whether a reduction in sampling locations and/or sampling frequency is warranted.

Section 2

Scope of Work

Field activities for the second quarter 2020 groundwater monitoring were conducted by BC from June 29 through July 1, 2020. The activities conducted during this monitoring event are described below. Locations of the monitoring wells and staff gauges referenced below are depicted on Figure 1.

Prior to groundwater sampling, water level measurements and NAPL gauging was performed in the monitoring wells associated with the Site. The level of the Patchogue River was measured during the June 2020 sampling event from surface water elevation control points (i.e., staff gauges SG-1 and SG-2), which were re-established in the river during the first quarter 2020 sampling event. Water level measurements and NAPL gauging were conducted using an electronic oil/water interface probe; measurements were made to the nearest 0.01 foot.

Groundwater sampling was conducted at 18 monitoring wells (previously-existing wells MW-1, MW-3, MW-4S, MW-4D, MW-7S, MW-7D, MW-8S, and MW-8D; and newly installed well couplets MW-10S/D through MW-14S/D) following the water level and NAPL gauging activities using low flow purging and sampling techniques in accordance with the United States Environmental Protection Agency (USEPA) protocol (USEPA, July 1996, Revised January 2010). Samples were submitted to Eurofins Lancaster Laboratories Environmental (Lancaster) located in Lancaster, Pennsylvania. Lancaster is certified (Certification No. 10670) through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

The groundwater samples were analyzed for: benzene, toluene, ethylbenzene and isomers of xylene (BTEX) compounds and methyl tertiary-butyl ether (MTBE) using USEPA SW-846 Method 8260B, and polycyclic aromatic hydrocarbons (PAHs) using USEPA SW-846 Method 8270D. The selective ion monitoring (SIM) component of the 8270 analysis was also performed on the samples to obtain lower detection limits for certain PAH compounds. The groundwater samples were also analyzed in the field for pH, specific conductivity, temperature, turbidity, oxidation-reduction potential, and dissolved oxygen (see Appendix A for field data sheets).

The laboratory report from Lancaster is provided in Appendix B. Laboratory analytical data were provided to BC in electronic form by Lancaster and have been incorporated into the environmental database maintained by BC for the Site.

In addition to the samples described above, quality assurance/quality control (QA/QC) samples were also collected. The QA/QC samples included: trip blanks (one per cooler containing samples for BTEX and MTBE analysis), a field duplicate, and an equipment blank. Also, extra sample volume was collected from one location to provide for matrix spike/matrix spike duplicate (MS/MSD) analysis. The trip blank sample was analyzed for BTEX and MTBE only. The other QA/QC samples were analyzed for BTEX, MTBE, and PAHs.

The groundwater analytical data packages were validated by Kelly Donahue of BC. Ms. Donahue's qualifications and experience as a data validator are included in Appendix C. A Data Usability Summary Report (DUSR) was prepared for the groundwater data packages (see Appendix D). Overall, the analytical data for the groundwater monitoring were determined to be acceptable for the intended purposes and none of the data was rejected. As noted in the DUSR, some data was qualified as follows:

- Surrogate recoveries for sample DUP-20200701 (410-6533-20) are outside of acceptance limits. There was insufficient sample to perform a re-extraction; therefore, the data have been reported. Associated sample detections are qualified as estimated, J, and non-detections are qualified as estimated with limited detection, UJ, with reason code 3L (i.e., low bias surrogate recovery).
- Several RPDs were outside control limits of 30% for analytes measured at concentrations more than 5X the detection limit in the field duplicate sample. Parent and duplicate concentrations are qualified as estimated, J, with reason code 8 (i.e., field duplicate precision outside limits).
- The method blank had a detection of naphthalene. Associated sample analytes less than five times the method blank detection are qualified as estimated with limited detection, UJ, with reason code 2 (i.e., method blank contamination). Non-detections are not qualified.

An Electronic Data Deliverable (EDD) of the validated analytical data, prepared in accordance with NYSDEC requirements, is provided in Appendix E.

Section 3

Results and Findings

3.1 Water Level Data

Table 1 provides the water level data and calculated water elevations from the June 2020 measurements. Figure 1 illustrates the elevation contours of the water table based on these data. The contours were developed using water level elevation data from the shallow monitoring wells (i.e., those with screens that straddle, or are just below, the water table), considered representative of the water table, and the staff gauges in the Patchogue River. The groundwater elevation (hydraulic head) values for the wells screened in deeper intervals are also posted for reference on Figure 1. The water table is relatively shallow and is typically positioned in the fill that overlies the native alluvial deposits and outwash deposits. The water table contours indicate that lateral groundwater flow is from the northwest to the south and southeast across the Site toward the Patchogue River.

3.2 NAPL Gauging

Table 1 presents the results of the NAPL gauging conducted in the monitoring wells associated with the Site during the June 2020 groundwater monitoring event. NAPL was not identified in any of the site monitoring wells during the June 2020 gauging activities.

3.3 Groundwater Quality Data

Table 2 provides the results of the laboratory analyses of the groundwater samples collected during the June 2020 monitoring event and a comparison of the data to the New York State Class GA groundwater quality criteria (i.e., New York State Code of Rules and Regulations (NYCRR) Part 703 groundwater standards for Class GA water (groundwater) or, for constituents with no standard, the corresponding guidance value from Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1). Comparisons of total BTEX and total PAH concentrations from this sampling event to previous sampling events are provided as Tables 3 and 4, respectively.

Groundwater samples were collected from 18 site monitoring wells listed in Table 2 in June 2020 and submitted to the laboratory for analysis. Constituent concentrations were detected above Class GA groundwater quality criteria in the June 2020 samples at locations MW-3, MW-4S, MW-11S, and MW-13S for one or more of the following tested constituents: benzene, ethylbenzene, acenaphthene, phenanthrene, and naphthalene. Each of these locations are proximal to the ISS mass. The presence in groundwater of these constituents, which are potentially indicative of MGP impacts, is an expected result of the disturbance of the subsurface during implementation of the ISS. Prior to remediation, these constituents were either not detected or detected at concentrations below Class GA groundwater quality criteria in the wells that existed prior to remedy implementation. These concentrations are anticipated to decrease with time and will be evaluated during subsequent monitoring events. As described above in Section 3.1, groundwater flow is from the northwest to the south and southeast across the Site toward the Patchogue River. The concentrations of some of the constituents that were detected and potentially mobile in the dissolved phase (benzene and ethylbenzene) were below applicable surface water quality criteria listed in the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per

6 NYCRR Part 897). Therefore, they do not have the potential to impact water quality the river. However, the concentration of four potentially mobile constituents (acenaphthene, fluorene, naphthalene, and pyrene) were detected above their respective applicable surface water quality criteria in downgradient monitoring wells proximal to the river. Although it was not anticipated that these constituent concentrations would impact to surface water quality if they discharged to the river, an analysis was conducted to assess the potential for discharge of site-related constituents in shallow groundwater to impact water quality in the Patchogue River, consistent with the analysis performed as part of the first quarter 2020 report (BC, June 2020) where it was determined that the calculated concentrations of acenaphthene, fluorene and pyrene in the river were below applicable surface water criteria. The evaluation was conducted by estimating the rate at which a mass of site-related constituents dissolved in groundwater may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). The details of this constituent mass flux analysis are presented in Appendix F; the results are summarized below.

The concentrations of acenaphthene, fluorene and pyrene in the June 2020 samples were similar (within the same order of magnitude) to those in the March 2020 samples. Since the estimated surface water concentrations of these three constituents based on the mass flux analysis using the March 2020 data (see Appendix F) were three orders of magnitude below applicable surface water criteria, an additional estimation of concentrations of these constituents in the river is not necessary, and the analysis in this report was conducted for naphthalene only. The estimated concentration of naphthalene in the Patchogue River resulting from the discharge of site groundwater to the river were calculated using conservative assumptions that bias the estimates toward higher concentrations. The mass flux evaluation indicated that the estimated concentration of naphthalene in the Patchogue River adjacent to the Site during low-flow conditions is 0.0192 micrograms per liter ($\mu\text{g/L}$) (see Appendix G), which is three orders of magnitude below the surface water standards and guidance values for this constituent. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.

MTBE was not detected at any of the 18 monitoring wells sampled during the June 2020 monitoring event. MTBE is not an MGP-related constituent but has been detected at times in the past as a result of off-site sources. High molecular weight PAH compounds were detected in samples collected from monitoring wells MW-3, MW-11S and MW-13S at low concentrations (i.e., at or slightly above the laboratory method detection limit), but above the Class GA groundwater quality criteria, during the June 2020 monitoring event. The PAH compounds that were identified in the groundwater samples from these locations at concentrations above the Class GA groundwater quality criteria include one or more of the following four compounds: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and chrysene. These PAH compounds have very low aqueous solubilities, are not readily mobile in groundwater, and are unlikely to have migrated from the on-site source area as a result of the disturbance of the source materials during ISS implementation. The criteria that were exceeded for three of these four PAHs are unpromulgated guidance values rather than 6 NYCRR Part 703 standards. The criteria for the fourth PAH, benzo(a)pyrene, is a Part 703 standard. The standard for benzo(a)pyrene is “non-detect” and the guidance value for the other four PAHs, $0.002 \mu\text{g/L}$, is approximately an order of magnitude below the method detection limit. Therefore, any detection of these compounds in groundwater will result in an exceedance. The detection of these constituents in the monitoring locations is likely related to the disturbance of fine or colloid sized particles during purging or sampling activities. These particles are derived from within the well or the soil adjacent to the well that become suspended into the water column of the well as a result of disturbance during purging and sampling activities.

Another noteworthy groundwater quality observation gleaned from the June 2020 field parameter measurements (see Appendix A) includes an apparent increase in pH levels (by approximately 1.5 std.

units) in wells MW-3 and MW-13S from the levels observed in March 2020 at these locations. Additionally, the pH level in MW-3 prior to implementation of the remedy was considerably less than observed in June (6.9 in December 2018 and 9.02 in June 2020). MW-13S was not installed until after completion of the remedy and thus, pre-remediation pH data is not available for this location. The increased pH levels are considered a potential effect from implementation of ISS in the area. Although it is anticipated that conditions will improve with time (i.e., as ISS mass continues to fully cure), pH conditions will be monitored during subsequent sampling events.

Section 4

Summary and Conclusions

Provided below is a summary of the findings and conclusions associated with the June 2020 groundwater monitoring event.

- NAPL was not identified in any of the site monitoring wells during the June 2020 gauging activities.
- Constituent concentrations above Class GA groundwater quality criteria were detected in June 2020 samples at four shallow well locations proximal to the ISS mass (MW-3, MW-4S, MW-11S, and MW-13S). The exceedances in the wells were for one or more of the following constituents: benzene, ethylbenzene, acenaphthene, phenanthrene and naphthalene. The presence of these likely MGP-related constituents is an expected result of the disturbance of the subsurface during implementation of the ISS. These concentrations are anticipated to decrease with time and will be evaluated during subsequent monitoring events.
- The concentrations of mobile, dissolved phase Site-related constituents detected in groundwater at the Site do not have the potential to impact surface water quality in the Patchogue River based on an evaluation of the mass flux of constituents in groundwater to the river.
- Low concentrations of several high molecular weight PAHs were detected in samples from several wells at concentrations slightly above Class GA groundwater quality criteria; these PAHs have very low aqueous solubilities and are not considered representative of mobile dissolved-phase impacts associated with the former MGP.

Section 5

References

Brown and Caldwell Associates, May 2019, Remedial Design Report (100% Submission), Patchogue Former MGP Site, Village of Patchogue, Suffolk County, New York, Site ID No. 1-52-182.

Brown and Caldwell Associates, December 2012, Construction Completion Report Utility Corridor Work Plan Implementation, Patchogue Former MGP Site, Village of Patchogue, Suffolk County, New York, Site ID No. 1-52-182.

NYSDEC, CP-43: Groundwater Monitoring Well Decommissioning Policy, November 2009).

Tetra Tech EC, Inc, December 2009. Final Remedial Investigation Report for the Patchogue Former MGP Site, Patchogue, Suffolk County, New York.

USEPA, July 1996; Revised January 2010. Low-Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells.

Tables



TABLE 1
WATER ELEVATIONS AND NAPL MONITORING DATA
SECOND QUARTER 2020 GROUNDWATER MONITORING EVENT
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Location ID	6/29/2020				
	Top of Casing Elevation (ft., NAVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NAVD)	Depth to NAPL (ft., BTOC)	Total Depth of Well (ft., BTOC)
MW-1	11.47	5.79	5.68	NI	15.23
MW-3	5.56	1.82	3.74	NI	10.05
MW-4S	7.97	4.88	3.09	NI	12.24
MW-4D	7.79	4.60	3.19	NI	26.67
MW-7S	8.45	4.38	4.07	NI	12.45
MW-7D	8.31	4.22	4.09	NI	28.06
MW-8S	5.01	0.71	4.30	NI	9.86
MW-8D	4.99	0.65	4.34	NI	25.10
MW-10S	5.77	1.05	4.72	NI	15.46
MW-10D	5.73	1.00	4.73	NI	25.32
MW-11S	5.02	1.04	3.98	NI	13.96
MW-11D	5.14	1.05	4.09	NI	23.71
MW-12S	4.99	1.53	3.46	NI	13.86
MW-12D	4.92	1.41	3.51	NI	23.89
MW-13S	4.98	1.49	3.49	NI	13.29
MW-13D	4.96	1.46	3.50	NI	23.92
MW-14S	4.86	0.92	3.94	NI	12.24
MW-14D	4.82	0.96	3.86	NI	22.05
SG-1	5.38	4.08	1.30	--	NA
SG-2	5.25	3.79	1.46	--	NA

Notes:

NAVD - North American Vertical Datum 1988

ft. - Feet

BGS - Below Ground Surface

BTOC - Below Top of Casing

NA - Not Applicable

NI - NAPL not Indicated by Oil/Water Interface Probe

NM - Not measured

MW - monitoring well

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
FIRST QUARTER 2020 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Class GA Groundwater Criteria			Units	Loc ID	Date	MW-1 6/29/2020	MW-10D 6/29/2020	MW-10S 6/29/2020	MW-11D 6/30/2020	MW-11S 6/30/2020	MW-12D 7/1/2020	MW-12S 7/1/2020	MW-13D 7/1/2020	MW-13S 7/1/2020	MW-14D 6/30/2020	MW-14S 6/30/2020	MW-3 7/1/2020	MW-3 (Dup) 7/1/2020
Constituent	TOGS 1.1.1 Guidance	NYS Part 703 Standard																
Volatile Organic Compounds (VOCs)																		
BTEX Compounds																		
Benzene	NE	1	µg/L			1.0 U	0.20 U	0.20 U	0.20 U	1.5	0.20 U	0.20 U	0.20 U	2.1	0.20 U	0.20 U	0.94 J	1.0
Toluene	NE	5	µg/L			1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1.0	0.38 U	0.38 U	1.3	1.3
Ethylbenzene	NE	5	µg/L			1.5 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	12	0.30 U	0.30 U	7.6	7.6
Xylenes, Total	NE	NE	µg/L			3.3 U	0.65 U	0.65 U	0.65 U	1.2 J	0.65 U	0.65 U	0.65 U	9.9	0.65 U	0.73 J	8.1	8.2
Total BTEX ^(a)	NE	NE	µg/L			ND	ND	ND	ND	2.7	ND	ND	ND	25	ND	0.73	18 J	18
Other VOCs																		
Methyl Tertiary Butyl Ether	10	NE	µg/L			2.3 U	0.5 U	0.47 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.47 U	0.5 U	0.5 U
Semi-Volatile Organic Compounds (SVOCs)																		
Polycyclic Aromatic Hydrocarbons (PAHs)																		
Acenaphthene	20	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	38	0.10 U	0.10 U	0.10 U	76	0.10 U	1.6	28 J	13 J
Acenaphthylene	NE	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.84	0.10 U	0.10 U	0.10 U	3.0	0.10 U	0.10 U	2.7	1.2 J
Anthracene	50	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	2.4	0.10 U	0.10 U	0.10 U	7.5	0.10 U	0.10 U	0.69	0.34 J
Benzo(a)anthracene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.53	0.10 U	0.10 U	0.10 U	2.5	0.10 U	0.10 U	2.2	1.2 J
Benzo(a)pyrene	NE	0	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.23 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(b)fluoranthene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.22 J	0.10 U	0.10 U	0.10 U	0.16 J	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(g,h,i)perylene	NE	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.44 J	0.10 U	0.10 U	0.10 U	1.7	0.10 U	0.10 U	1.5	0.77 J
Dibenzo(a,h)anthracene	NE	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	50	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	4.9	0.10 U	0.10 U	0.10 U	12	0.10 U	0.10 U	11 J	5.2 J
Fluorene	50	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	7.1	0.10 U	0.10 U	0.10 U	32	0.10 U	0.15 J	5.0	2.3 J
Indeno(1,2,3-cd)pyrene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Naphthalene	10	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	1.9 U	0.10 U	0.10 U	0.11 J	180	0.10 U	0.63 U	110 J	45 J
Phenanthrene	50	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	1.9	0.10 U	0.10 U	0.10 U	63	0.10 U	0.10 U	0.85	0.40 J
Pyrene	50	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	6.3	0.10 U	0.10 U	0.10 U	16	0.10 U	0.10 U	17 J	8.3 J
Total PAHs ^(b)	NE	NE	µg/L			ND	ND	ND	ND	63 J	ND	ND	0.11 J	394 J	ND	1.8 J	179 J	78 J

Notes:

BTEX - benzene, toluene, ethylbenzene and isomers of xylene.
U - The analyte was analyzed for, but was not detected above the sample reporting limit.
Value shown is representative of method detection limit for the analyzed constituent.
J - Estimated concentration. The result is below the reporting limit but above the method detection limit.
µg/L - micrograms per liter
ND - Not detected.
NE - Not established.
(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.
(b) - To calculate total PAH concentration, a value of zero is used for non-detect values.

Boxed concentrations are above New York State Class GA Groundwater Quality Criteria (Standards or Guidance values).

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
FIRST QUARTER 2020 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Class GA Groundwater Criteria				Loc ID	Date	MW-4D	MW-4S	MW-7D	MW-7S	MW-8D	MW-8S
TOGS 1.1.1	NYS Part 703										
Guidance	Standard	Units									
Constituent											
Volatile Organic Compounds (VOCs)											
BTEX Compounds											
Benzene	NE	1	µg/L			0.20 U	2.0	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	NE	5	µg/L			0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Ethylbenzene	NE	5	µg/L			0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Xylenes, Total	NE	NE	µg/L			0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Total BTEX ^(a)	NE	NE	µg/L			ND	2.0	ND	ND	ND	ND
Other VOCs											
Methyl Tertiary Butyl Ether	10	NE	µg/L			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Semi-Volatile Organic Compounds (SVOCs)											
Polycyclic Aromatic Hydrocarbons (PAHs)											
Acenaphthene	20	NE	µg/L			0.10 U	22	0.10 U	0.14 J	0.10 U	0.11 J
Acenaphthylene	NE	NE	µg/L			0.10 U	0.12 J	0.10 U	0.10 U	0.10 U	0.10 U
Anthracene	50	NE	µg/L			0.10 U	0.33 J	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)anthracene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	NE	0	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(b)fluoranthene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(g,h,i)perylene	NE	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	NE	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	50	NE	µg/L			0.10 U	1.7	0.10 U	0.10 U	0.10 U	0.10 U
Fluorene	50	NE	µg/L			0.10 U	6.1	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	0.002	NE	µg/L			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Naphthalene	10	NE	µg/L			0.10 U	1.6	0.10 U	0.10 U	0.10 U	0.10 U
Phenanthrene	50	NE	µg/L			0.10 U	1.5	0.10 U	0.10 U	0.10 U	0.10 U
Pyrene	50	NE	µg/L			0.10 U	3.4	0.10 U	0.10 U	0.10 U	0.10 U
Total PAHs ⁽ⁿ⁾	NE	NE	µg/L			ND	37 J	ND	0.14 J	ND	0.11 J

Notes:

BTEX - benzene, toluene, ethylbenzene and isomers of xylene.

U - The analyte was analyzed for, but was not detected above the sample reporting limit.

Value shown is representative of method detection limit for the analyzed constituent.

J - Estimated concentration. The result is below the reporting limit but above the method detection limit.

µg/L - micrograms per liter

ND - Not detected.

NE - Not established.

(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.

(b) - To calculate total PAH concentration, a value of zero is used for non-detect values.

Boxed concentrations are above New York State Class GA Groundwater Quality Criteria (Standards or Guidance values).

TABLE 3
SUMMARY OF HISTORICAL BTEX CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total BTEX Concentrations (µg/L) ^(a)													
	Monitoring Well													
	MW-1	MW-2S	MW-2D	MW-3	MW-4S	MW-4D	MW-5	MW-6	MW-7S	MW-7D	MW-8S	MW-8D	MW-9S	MW-9D
Mar-08	0	0	0	0	3.4	0	1016	57	NS	NS	NS	NS	NS	NS
Jul-08	NS	0	0	0	0	0	678	0	0	0	0	0	0	0
Mar-09	0	0	0	0	0	0	975	0	0	1	0	0	0	0
Sep-09	0	0	0	0	0	0	1257	1	0	0	0	0	0	0
Mar-10	0	0	0	0	0	0	637	2	0	9	0	0	0	0
Sep-10	0	0	0	0	0	0	NS	0	0	0	0	0	27	0
Jan-11	1.7	0	0	0	0	0	NS	NS	0	0	0	0	1	0
Apr-11	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Aug-11	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Nov-11	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Feb-12	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
May-12	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Nov-12	0	-- (b)	-- (a)	0	12	0	NS	NS	1	0	0	0	NS	NS
Jun-13	0	-- (b)	-- (b)	0	0.8	0	NS	NS	0.7	0	0	0	0	NS
Dec-13	0	-- (b)	-- (b)	NS	0	0	NS	NS	0.8	0	0	0	NS	NS
Jun-14	0	-- (b)	-- (b)	0	0	0	NS	NS	0.8	0	0	0	NS	NS
Dec-14	0	-- (b)	-- (b)	0	0	0	NS	NS	1.3	0	0	0	0	0
Jun-15	0	-- (b)	-- (b)	0	0	0	NS	NS	0	0	0	0	0	0
Dec-15	0	-- (b)	-- (b)	0	0	0	NS	NS	0.5	0	0	0	0	0
Jun-16	0	-- (b)	-- (b)	0	0	0	NS	NS	0	0	0	0	0	0
Dec-16	0	-- (b)	-- (b)	0	0	0	NS	NS	0	0	0	0	0	0
Jun-17	0	-- (b)	-- (b)	0	0	0	NS	NS	0	0	0	0	0	0
Dec-17	0	-- (b)	-- (b)	0	0	0	NS	NS	0	0	0	0	0	0
Jun-18	0	-- (b)	-- (b)	0	0	0	NS	0	0	0	0	0	0	0
Dec-18	0	-- (b)	-- (b)	0	0	0	NS	NS	0	0	0	0	0	0
Mar-20	0	-- (b)	-- (b)	35	4.3	0	-- (c)	-- (c)	0.4	0	0	0	-- (c)	-- (c)
Jun-00	0	-- (b)	-- (b)	18	2	0	-- (c)	-- (c)	0	0	0	0	-- (c)	-- (c)
Minimum	0	0	0	0	0	0	637	0	0	0	0	0	0	0
Maximum	1.7	0	0	35	12	0	1257	57	1.3	9	0	0	27	0
Mean	0.1	0	0	2.0	0.8	0	913	9	0.2	0.4	0	0	1	0

Notes:

BTEX - Benzene, toluene, ethylbenzene and isomers of xylene

µg/L - micrograms per liter

NS - Not sampled.

NI - Monitoring well or piezometer not installed at time of sampling.

(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.

(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (BC, December 2012).

(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

TABLE 3
SUMMARY OF HISTORICAL BTEX CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total BTEX Concentrations (µg/L) ^(a)										
	Monitoring Well/Piezometer										
	MW-10S	MW-10D	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14S	MW-14D	PZ-4A
Mar-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jan-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Aug-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
May-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Dec-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0
Dec-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Mar-20	0	0	4	0	0	0	37	0	0	0	-- ^(c)
Jun-00	0	0	2.7	0	0	0	25	0	0.73	0	-- ^(c)
Minimum	0	0	2.7	0	0	0	25	0	0	0	0
Maximum	0	0	4	0	0	0	37	0	0.73	0	0
Mean	0	0	3	0	0	0	31	0	0	0	0

Notes:

BTEX - Benzene, toluene, ethylbenzene and isomers of xylene

µg/L - micrograms per liter

NS - Not sampled.

NI - Monitoring well or piezometer not installed at time of sampling.

(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.

(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (BC, December 2012).

(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

TABLE 4
SUMMARY OF HISTORICAL PAH CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total PAH Concentrations (µg/L) ^(a)													
	Monitoring Well													
	MW-1	MW-2S	MW-2D	MW-3	MW-4S	MW-4D	MW-5	MW-6	MW-7S	MW-7D	MW-8S	MW-8D	MW-9S	MW-9D
Mar-08	0	0	0	0.76	0.6	4.3	1774	214	NS	NS	NS	NS	NS	NS
Jul-08	NS	0.7	0	0	8	0	1799	154	0	0.47	0	0	12	0
Mar-09	0	0	0	0	0	0	2730	0	0	0	0	0	0	0
Sep-09	0	0	0	0	0	0	3373	1	0	0	0	0	0	0
Mar-10	0	0	0	0	0	39	2390	17	0	0	22	0	2	0
Sep-10	0	0	0	128	0	6	NS	14	0	0	11	0	396	0
Jan-11	22	0	0	17	0	12	NS	NS	0	0	6	0	42	5
Apr-11	0	0	0	6	0	20	NS	NS	0	0	0	0	9	0
Aug-11	0	0	0.1	14	0.1	0	NS	NS	0	0	0.4	0	16	1.2
Nov-11	0	0	0.2	10	0.4	0	NS	NS	0	0	0.8	0.2	8	3.4
Feb-12	0.2	0	0	6	0.6	4	NS	NS	0.1	0	0.6	0	5	2.9
May-12	0.4	0.1	0.6	5	0	5.8	NS	NS	0.1	0.3	1	0	6	2.8
Nov-12	0.1	-- (b)	-- (b)	5.6	0.4	11.7	NS	NS	2.5	2.6	0.8	1.2	NS	NS
Jun-13	0.8	-- (b)	-- (b)	NS	0.3	3.7	NS	NS	1.3	0.4	0.4	0.6	2	NS
Dec-13	0	-- (b)	-- (b)	NS	0	2.5	NS	NS	0.8	0.4	0.3	0	NS	NS
Jun-14	0	-- (b)	-- (b)	2.2	0.9	0	NS	NS	0.8	0.3	0.2	0	NS	NS
Dec-14	0.1	-- (b)	-- (b)	1.2	0.4	0	NS	NS	3	0	0.1	0	21	0.3
Jun-15	0	-- (b)	-- (b)	1.1	0.9	0	NS	NS	0.9	0	0.3	0	10	0.3
Dec-15	0	-- (b)	-- (b)	0	0	0	NS	NS	0.9	0	0	0	3.9	0
Jun-16	0	-- (b)	-- (b)	1.9	0.8	0	NS	NS	2.5	0	0	0	5.9	0
Dec-16	0	-- (b)	-- (b)	0.02	0	0.1	NS	NS	0	0	0	0	5.5	0.07
Jun-17	0	-- (b)	-- (b)	2.0	0.5	0	NS	NS	1	0	0	0	3.2	0
Dec-17	0	-- (b)	-- (b)	0.53	0	0.031	NS	NS	0	0.11	0	0.017	6.0	0.14
Jun-18	0	-- (b)	-- (b)	3.1	1.1	0.010	NS	53	0.02	0.01	0.08	0.09	7.4	0.55
Dec-18	0.31	-- (b)	-- (b)	1.5	1.2	0.080	NS	NS	0.08	0.05	0.10	0.13	7.9	1.0
Mar-20	0	-- (b)	-- (b)	20	17	0.21	-- (c)	-- (c)	0.32	0	0.09	0	-- (c)	-- (c)
Jun-20	0	-- (b)	-- (b)	179	37	0	-- (c)	-- (c)	0.14	0	0.11	0	-- (c)	-- (c)
Min	0	0	0	0	0	0	1774	0	0	0	0	0	0	0
Max	22	0.7	0.6	179	37	39	3373	214	3	2.6	22	1.2	396	5
Mean	0.9	0.1	0.1	16	2.6	4	2413	65	0.6	0.2	1.7	0.1	27	0.9

Notes:

PAH - Polycyclic aromatic hydrocarbons

µg/L - micrograms per liter

NS - Not sampled.

NI - Monitoring Well or piezometer not installed at time of sampling.

(a) - To calculate total PAH concentration, a value of zero is used for non-detect values.

(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (Brown and Caldwell, December 2012).

(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

TABLE 4
SUMMARY OF HISTORICAL PAH CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total PAH Concentrations (µg/L) ^(a)										
	Monitoring Well/ Piezometer										
	MW-10S	MW-10D	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14S	MW-14D	PZ-4A
Mar-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jan-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Aug-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
May-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Dec-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3
Dec-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Mar-20	0.3	0.3	96	1.5	14	0	188	0.1	0.5	0.04	-- ^(c)
Jun-20	0	0	63	0	0	0	394	0.11	1.8	0	-- ^(c)
Min	0.0	0.0	63	0	0	0	188	0.1	0.5	0.00	0.3
Max	0.3	0.3	96	1.5	14	0	394	0.1	1.8	0.04	0.3
Mean	0.2	0.2	80	0.8	7	0	291	0.1	1.2	0.02	0.3

Notes:

PAH - Polycyclic aromatic hydrocarbons

µg/L - micrograms per liter

NS - Not sampled.

NI - Monitoring well or piezometer not installed at time of sampling.

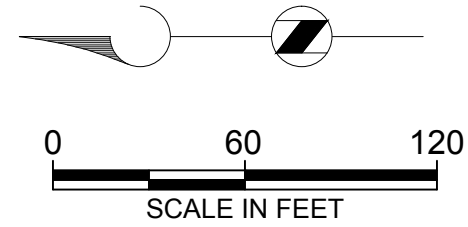
(a) - To calculate total PAH concentration, a value of zero is used for non-detect values.

(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (Brown and Caldwell, December 2012).

(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

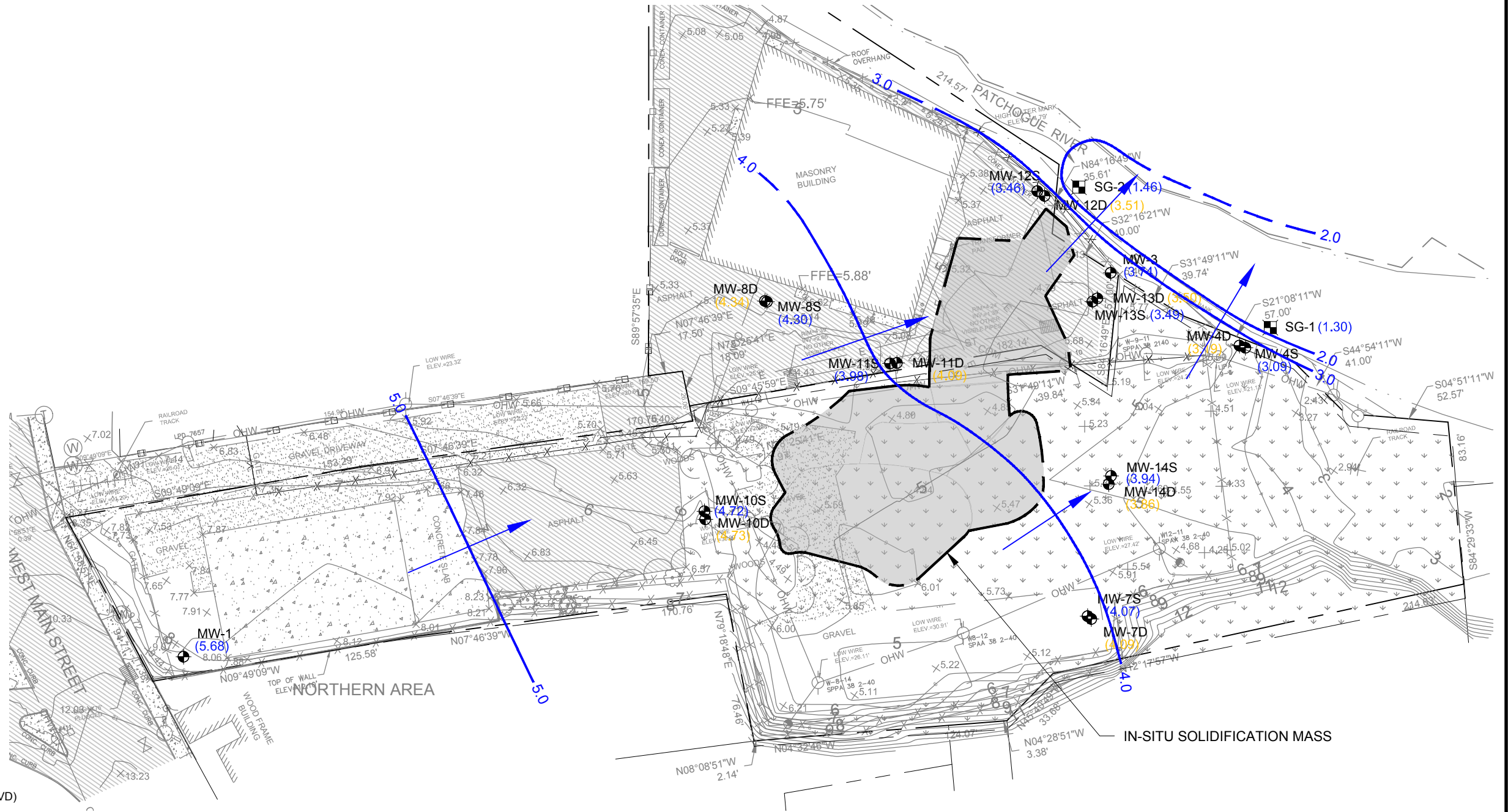
Figures





- LEGEND:
- PROPERTY LINE
 - x — FENCE
 - 10 — TOPOGRAPHIC CONTOUR
 - ⊕ — MONITORING WELL LOCATION
 - ⊞ — STAFF GAGE LOCATION
 - 4.0 — WATER TABLE CONTOUR (FT., NAVD)
DASHED WHERE INFERRED
 - (4.30) — GROUNDWATER ELEVATION (FT., NAVD) FROM
SHALLOW MONITORING WELL (SCREENED ACROSS OR
CLOSE TO WATER TABLE) OR RIVER LEVEL FROM
STAFF GAUGE (FT., NAVD).
 - (4.34) — GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP
MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE
NOT USED FOR CONTOURING.
 - ➡ — GENERALIZED DIRECTION OF GROUNDWATER FLOW

NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA
TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE
MODEL", DATED DECEMBER 17, 2008.



SCALE: 1" = 60'
153021
DATE: July 29, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP
JUNE 29, 2020

FIGURE
1

Appendix A: Field Sampling Data Sheets



Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 238-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGPProject Number: 153021Client: National GridDate: 07/01/20Personnel: RES/AFVWell ID: MW-120Purge/Sample Depth: ~19'Sample ID: MW-120-20200701

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1244	6.30	20.30	0.553	1.68	18.8	149	1.33	200 ↓	
1247	5.81	19.76	0.559	1.03	18.1	193	1.33		
1250	5.21	18.89	0.565	0.48	17.2	212	1.33		
1253	5.21	18.75	0.564	0.40	16.1	222	1.33		
1256	5.28	18.66	0.563	0.37	15.8	226	1.33		
1259	5.22	18.57	0.561	0.35	14.8	226	1.33		
1302	5.24	18.59	0.565	0.34	14.4	230	1.33		
1305	5.29	18.55	0.565	0.33	14.3	230	1.33		
1308	5.25	18.63	0.565	0.30	13.8	233	1.33		
1311	5.27	18.54	0.565	0.30	13.2	232	1.33		
1314	5.30	18.52	0.564	0.29	13.7	233	1.33		
1317	Collect MW-120-20200701								
AFV 07/01/20									

Certified Sample Information:Time of Sample: 1317Analyst Signature: AFV**Instrument Data:**Manufacturer/Model: Horiba U-52Serial No. Unit: P3Y6AXKBSerial No. Handheld: TBL330XWCalibration Date/Time: 07/01/20Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-120

Sample I.D.: MW-120-20200701 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 07/01/20 Time: 1240
Weather: Sunny Air Temp.: 80

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.32 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 200 mL/hr Elapsed Time: 30 min Volume Pumped: 26

Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV

Date: 07/01/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

**NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET**

Project Name: Patchogue former MGPProject Number: 153021Client: National GridDate: 07/11/20Personnel: RES/AFVWell ID: MW-125Purge/Sample Depth: 29.5Sample ID: MW-125-20200701

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments	
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)					
1201	6.79	22.93	0.381	2.94	242	38	1.48	175 ↓ ↓ ↓ ↓ ↓ ↓ ↓	Brown pulp-like material at beginning of purge	
1210	6.68	21.93	0.385	0.98	"1000"	40	1.49			
1213	6.69	21.63	0.386	0.79	"1000"	42	1.49			
1216	6.71	21.09	0.389	0.57	"1000"	24	1.49			
1219	6.70	21.02	0.389	0.54	"1000"	20	1.49			
1222	6.73	20.75	0.391	0.46	139	8	1.49			
1225	6.73	20.54	0.394	0.48	80.7	3	1.49			
1228	6.72	20.31	0.397	0.41	72.9	-1	1.49			
1231	6.71	20.09	0.399	0.40	65.3	-6	1.49			
1234	6.72	20.25	0.393	0.35	36.4	-14	1.49			
1237	6.71	20.18	0.394	0.34	31.6	-14	1.49			
1240	Collect MW-125-20200701									
AFV 07/01/20										

Certified Sample Information:Time of Sample: 1240Analyst Signature: AFV**Instrument Data:**Manufacturer/Model: Horiba U-52Serial No. Unit: P3Y6XKBSerial No. Handheld: TBL330XWCalibration Date/Time: 07/01/20Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-125
Sample I.D.: MW-125-20200701 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 7/1/20 Time: 1207
Weather: cloudy Air Temp.: 78

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.42 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ N/A Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 175 mL/min Elapsed Time: 30 min Volume Pumped: 1.75g
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [Signature]

Date: 7/1/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 238-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGPProject Number: 153021Client: National GridDate: 07/01/20Personnel: RES/AFVWell ID: MW-13DPurge/Sample Depth: ~20'Sample ID: MW-13D-20200701

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1031	7.46	19.80	0.431	1.13	139	-11	1.32	125 ↓	
1034	7.02	19.31	0.428	0.92	154	2	1.32		
1037	6.50	18.95	0.424	0.53	186	24	1.32		
1040	6.46	18.85	0.423	0.46	187	30	1.32		Empty Horiba
1043	6.62	18.42	0.422	0.78	183	47	1.32		
1046	6.41	17.58	0.428	0.46	159	46	1.32		
1049	6.44	17.46	0.428	0.39	150	47	1.32		
1052	6.91	17.93	0.422	0.35	138	53	1.32		
1055	6.40	17.97	0.431	0.33	121	56	1.32		
1058	6.40	17.95	0.422	0.32	119	58	1.32		
1101	6.39	17.90	0.422	0.31	97.9	62	1.32		
1104	6.40	17.90	0.422	0.30	65.5	64	1.32		
1107	6.40	17.96	0.422	0.29	57.1	65	1.32		
1110	Coll'd MW-13D-20200701								
AFV 07/01/20									

Certified Sample Information:Time of Sample: 1110Analyst Signature: AFV**Instrument Data:**Manufacturer/Model: Horiba U-52Serial No. Unit: P3464XKBSerial No. Handheld: TBL330XWCalibration Date/Time: 07/01/20Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-130
Sample I.D.: MW-130-20200701 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 07/01/20 Time: 1031
Weather: Sunny Air Temp.: 76

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 125 mL/min Elapsed Time: 30 min Volume Pumped: 1.25 g

Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV

Date: 07/01/20

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

Project Name: Patchogue former MGP	Project Number: 153021
Client: National Grid	Date: 07/01/20
Personnel: RES/AFV	Well ID: MW-135
Purge/Sample Depth: ~10	Sample ID: MW-135-20200701

Certified Sample Information:
Time of Sample: 1020
Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: 2346XKB
Calibration Date/Time: 07/01/20
Analyst Signature: HV
Serial No. Handheld: TBL 330XW

P:\^Office\^Field Lab\Field Data Sheets\Excel Files\Low Flow Well Info Sheet Revision 2-1_102014.xls

Revision 2.1: 10/20/14

**Brown AND
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Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-135

Sample I.D.: MW-135-20200701 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 07/01/20 Time: 0926
Weather: Sunny Air Temp.: 74

WELL DATA: 8"

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____

Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock

DEPTH TO : Static Water Level: 10.32 ft Bottom of Well: _____ ft

DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____

CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No

Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No

Does Weep Hole adequately drain well head? ☒ Yes ☐ No

Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No

Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No

Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250mL/min Elapsed Time: 51 min Volume Pumped: 4.5g

Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☐ Clear ☐ Turbid ☒ Color: Brown ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____

MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV

Date: 07/01/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: <u>Patchogue former MGP</u>	Project Number: <u>153021</u>
Client: <u>National Grid</u>	Date: <u>07/01/20</u>
Personnel: <u>RES/AFV</u>	Well ID: <u>MW-3</u>
Purge/Sample Depth: <u>~7'</u>	Sample ID: <u>MW-3-20200701</u>

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0845	7.06	18.48	0.507	1.42	2.0	-176	1.70	100 ↓	Strong
0848	7.52	18.42	0.507	0.82	3.9	-208	1.70		Moth-Ball-like
0851	7.71	18.25	0.507	0.79	8.7	-232	1.70		
0854	8.24	18.02	0.516	2.76	15.1	-279	1.70		Odor
0857	8.45	18.00	0.518	2.54	19.7	-298	1.71		
0900	8.78	18.14	0.525	2.27	22.4	-337	1.73		
0903	8.84	18.17	0.522	2.16	25.0	-346	1.74		
0906	8.93	18.16	0.524	1.89	23.2	-367	1.74		Grey/Brown
0909	9.01	18.15	0.525	1.70	23.7	-376	1.75		Color
0912	9.03	18.13	0.525	1.70	23.9	-382	1.75		
0915	9.02	18.12	0.525	1.90	25.8	-390	1.75		
0918	Collect MW-3-20200701								
AFV 07/01/20									

Certified Sample Information:Time of Sample: 0918Analyst Signature: AFV**Instrument Data:**Manufacturer/Model: Horiba U-52Serial No. Unit: P346AXXBSerial No. Handheld: TBL330XWCalibration Date/Time: 7/1/20Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-3

Sample I.D.: MW-3-20200701 (If different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 07/01/20 Time: 0845
Weather: Sunny Air Temp.: 74

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.66 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☐ Clear ☐ Turbid ☒ Color: Grey/Brown ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☐ No ☒ Yes Name: DUP-20200701
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: A. V. [Signature]

Date: 07/01/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP

Project Number: 153021

Client: National Grid

Date: 07/01/20

Personnel: RES/AFV

Well ID: MW-40

Purge/Sample Depth: ~22

Sample ID: MW-40-20200701

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0803	6.98	17.13	0.136	1.50	7.6	-17	4.45	300 ↓	
0806	6.32	17.32	0.129	0.60	0.4	56	4.45		
0809	6.19	17.41	0.127	0.47	4.9	84	4.45		
0812	6.16	17.47	0.128	0.42	9.4	104	4.45		
0815	6.15	17.51	0.129	0.39	10.0	115	4.45		
0818	6.10	17.54	0.134	0.37	5.5	127	4.45		
0821	6.06	17.57	0.139	0.35	3.8	140	4.45		
0824	6.03	17.59	0.143	0.33	2.9	146	4.45		
0827	6.00	17.61	0.149	0.31	0.1	148	4.45		
0830	6.00	17.62	0.150	0.31	0.0	153	4.45		
0833	6.01	17.63	0.154	0.31	0.0	156	4.45		
0836 Collect MW-40-20200701									
~~AFV~~									
~~07/01/20~~									

**Brown AND
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Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-4D
Sample I.D.: MW-4D-20200701 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 07/01/20 Time: 0803
Weather: Sunny Air Temp.: 72

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 4.42 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 300 mL/min Elapsed Time: 30min Volume Pumped: 3 gal

Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV

Date: 07/01/20

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP	Project Number: 153021
Client: National Grid	Date: 7/1/20
Personnel: RES/AFV	Well ID: MW-43
Purge/Sample Depth: ~ 9'	Sample ID: MW-43-202007 01

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0726	5.88	17.50	0.547	2.20	147	-105	4.78	250 ↓ ↓	Moderate Moth Ball-like odor
0729	6.97	16.28	0.548	1.34	92.2	-173	4.79		
0732	7.10	16.06	0.548	1.34	52.1	-186	4.80		
0735	7.13	15.92	0.543	0.97	43.5	-188	4.80		
0738	7.17	15.80	0.543	0.90	40.1	-187	4.80		
0741	7.17	15.80	0.543	0.85	42.2	-189	4.80		
0744	7.16	15.71	0.543	1.41	36.1	-186	4.80		
0747	7.20	15.69	0.547	1.14	30.2	-188	4.80		
0750	7.19	15.67	0.547	0.96	26.2	-186	4.80		
0753	7.18	15.61	0.549	0.85	21.8	-186	4.80		
0756	7.18	15.57	0.549	0.74	18.3	-185	4.80		
0759	Collect MW-4S-20200701								
AFV 07/01/20									

Certified Sample Information: 0759
Time of Sample:

Analyst Signature:

Instrument Data:

Manufacturer/Model: Horiba U-52

Serial No. Unit: P346AXKB

Serial No. Handheld:

Calibration Date/Time: 07/11/20

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-45
Sample I.D.: MW-45-20200901 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 07/01/20 Time: 0726
Weather: Sunny Air Temp.: 68

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO: Static Water Level: 4.70 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.59

Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV

Date: 07/01/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1807

**NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET**

Project Name: Patchogue former MGP

Project Number: 153021

Client: National Grid

Date: 06/30/20

Personnel: RES/AFV

Well ID: MW-140

Purge/Sample Depth: ~18'

Sample ID: MW-140-20200630

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1309	5.67	18.57	0.598	5.20	127	168	1.05	200 ↓ V	
1312	5.57	17.97	0.594	2.48	152	193	1.05		
1315	5.45	17.33	0.588	1.28	186	218	1.06		
1318	5.47	17.15	0.584	0.98	208	219	1.06		
1321	5.47	16.97	0.582	0.78	258	234	1.07		
1324	5.42	16.87	0.580	0.63	274	238	1.07		
1327	5.47	16.84	0.580	0.56	245	242	1.08		
1330	5.47	16.78	0.579	0.52	213	244	1.08		
1333	5.47	16.70	0.579	0.48	189	246	1.09		
1336	5.51	16.65	0.580	0.45	164	247	1.09		
1339	5.51	16.62	0.580	0.42	133	247	1.10		
1342	5.49	16.67	0.580	0.39	112	248	1.10		
1345	5.49	16.59	0.580	0.37	96.0	250	1.10		
1348	5.51	16.51	0.580	0.36	83.6	249	1.10		
1351	5.54	16.55	0.580	0.35	76.1	250	1.10		
1354	Collect MW-140-20200630								
AFV 06/30/20									

Certified Sample Information:

Time of Sample: 1354

Analyst Signature: *Carol E. Sade***Instrument Data:**

Manufacturer/Model: Horiba U-52

Serial No. Unit: PSY6 AXUB

Serial No. Handheld: TBL330XU

Calibration Date/Time: 6/30/20

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**Well Number: MW-140
Sample I.D.: MW-140-20200630 (if different from well no.)Project: Patchogue
Personnel: RES/AFVDate: 06/30/20 Time: 1300
Weather: Sunny Air Temp.: 80**WELL DATA:**

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.05 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____Pumping Rate: _____ Elapsed Time: _____ Volume Pumped: _____
Was well Evacuated? ☐ Yes ☐ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned**SAMPLING DATA:**METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field CleanedMetals samples field filtered? ☐ Yes ☒ No Method: _____APPEARANCE: ☐ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AVMDate: 06/30/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: <u>Patchogue former MGP</u>		Project Number: <u>153021</u>
Client: <u>National Grid</u>		Date: <u>06/30/20</u>
Personnel: <u>RES/AFV</u>		Well ID: <u>MW-145</u>
Purge/Sample Depth: <u>~9.5'</u>		Sample ID: <u>MW-145-20200630</u>

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1217	7.55	22.99	0.603	2.22	43.8	-58	1.06	200 ↓	
1220	8.14	22.88	0.603	1.62	39.2	-101	1.06		
1223	8.18	22.80	0.601	1.48	36.9	-104	1.07		
1226	8.20	22.82	0.599	1.49	34.8	-94	1.08		
1229	8.24	22.97	0.598	1.50	35.4	-91	1.08		
1232	8.23	23.01	0.597	1.49	34.1	-85	1.09		
1235	8.22	23.07	0.596	1.49	32.9	-82	1.10		
1238	8.20	23.18	0.594	1.49	31.0	-78	1.10		
1241	8.18	23.12	0.591	1.46	29.5	-78	1.10		
1244	8.18	23.10	0.590	1.48	29.2	-76	1.10		
1247	8.17	23.08	0.589	1.48	28.3	-75	1.10		
1250	Collect MW-145-20200630								
AFV 06/30/20									

Certified Sample Information:Time of Sample: 1250Analyst Signature: AFV**Instrument Data:**Manufacturer/Model: Horiba U-52Serial No. Unit: P3Y6AXLBSerial No. Handheld: TBL330XWCalibration Date/Time: 6/30/20Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**Well Number: MW-145
Sample I.D.: MW-145-20200630 (if different from well no.)Project: Patchogue
Personnel: RES/AFVDate: 06/30/20 Time: 1217
Weather: Sunny Air Temp.: 78**WELL DATA:**Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.02 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned**SAMPLING DATA:**METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 6/30/20

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

Project Name: Patchogue former MGP

Project Number: 153021

Client: National Grid

Date: 06/30/20

Personnel: RES/AFV

Well ID: MW-70

Purge/Sample Depth: ~ 22'

Sample ID: MW-7D-20200630

Certified Sample Information:

Time of Sample: 1103

Analyst Signature:

Instrument Data:

Manufacturer/Model: Horiba U-52

Serial No. Unit: D3Y6AXKB

Serial No. Handheld: 1 BL330XW

Calibration Date/Time: 06/30/20

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
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Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MU-7D
Sample I.D.: MU-7D-20200630 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 06/30/20 Time: 1025
Weather: Sunny Air Temp.: _____

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 4.24 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.5g
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 6/30/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGPProject Number: 153021Client: National GridDate: 06/30/20Personnel: RES/AFVWell ID: MW-75Purge/Sample Depth: ~10'Sample ID: MW-75-20200630

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0951	7.02	19.21	0.515	3.36	83.6	-172	4.51	250 ↓	
0954	7.07	17.65	0.546	1.55	52.1	-173	4.50		
0957	7.03	17.14	0.545	0.99	58.8	-168	4.50		
1000	7.07	17.10	0.545	0.97	61.9	-166	4.50		
1003	7.06	16.98	0.548	0.94	55.5	-164	4.50		
1006	7.07	16.90	0.549	0.96	49.6	-165	4.50		
1009	7.08	16.81	0.552	0.97	50.8	-162	4.50		
1012	7.06	16.71	0.555	0.99	41.8	-157	4.50		
1015	7.07	16.65	0.557	1.01	36.1	-157	4.50		
1018	7.03	16.66	0.558	1.04	32.1	-157	4.50		
1021	7.07	16.67	0.559	1.03	27.2	-155	4.50		
1024	Collect MW-75-20200630								
AFV 06/30/20									

Certified Sample Information:Time of Sample: 1024Analyst Signature: Paul Scordap**Instrument Data:**Manufacturer/Model: Horiba U-52Serial No. Unit: P3Y6AXKBSerial No. Handheld: TBL330XWCalibration Date/Time: 06/30/20Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-75

Sample I.D.: MW-75-20200630 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 06/30/20 Time: 0951

Weather: Sunny Air Temp.: _____

WELL DATA: 4"

Casing Diameter: _____ ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____

Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock

DEPTH TO: Static Water Level: 4.35 ft Bottom of Well: _____ ft

DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____

CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No

Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No

Does Weep Hole adequately drain well head? ☒ Yes ☐ No

Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No

Is Padlock Functional? ☒ Yes ☐ No ☐ NA

Is Inner Casing Intact? ☐ Yes ☐ No

Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.5 gal

Was well Evacuated? ☐ Yes ☒ No

Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____

MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AV

Date: 06/30/20

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP	Project Number: 153021
Client: National Grid	Date: 06/30/20
Personnel: RES/AFV	Well ID: MW-11D
Purge/Sample Depth: ~19'	Sample ID: MW-11D-20200630

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0855	6.65	17.35	0.430	2.00	224	-9	1.10	250 ↓	
0858	6.52	16.72	0.424	1.37	157	4	1.10		
0901	6.52	16.46	0.430	1.18	124	-16	1.10		
0904	6.55	16.27	0.432	1.16	109	-27	1.10		
0907	6.57	16.04	0.437	1.13	95.3	-37	1.10		
0910	6.61	15.79	0.439	1.10	84.4	-47	1.10		
0913	6.58	15.80	0.443	1.04	73.3	-46	1.10		
0916	6.58	15.77	0.445	1.04	66.2	-57	1.10		
0919	6.59	15.75	0.448	1.00	60.5	-57	1.10		
0922	6.58	15.74	0.450	0.99	55.9	-58	1.10		
0925	6.58	15.71	0.450	1.02	53.2	-60	1.10		
0928	Collect MW-11D-20200630								
ATV 06/30/20									

Analyst Signature: [Signature]

Calibration Date/Time: 06/30/20

Serial No. Handheld: BL330XW

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-11D
Sample I.D.: MW-11D-20200630 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 06/30/20 Time: 0855
Weather: Sunny Air Temp.: _____

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.08 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☐ Yes ☒ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: _____ Elapsed Time: _____ Volume Pumped: _____
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [Signature] Date: 06/30/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP

Project Number: 153021

Client: National Grid

Date: 06/30/20

Personnel: RES/AFV

Well ID: MW-115

Purge/Sample Depth: ~10'

Sample ID: MW-115-20200630

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0806	6.52	19.74	0.466	1.41	242	-123	1.04	300 ↓	
0809	6.61	19.18	0.494	0.95	288	-140	1.04		
0812	6.61	18.74	0.491	0.92	260	-141	1.04		
0815	6.60	18.58	0.489	0.91	224	-140	1.05		
0818	6.64	18.34	0.488	0.91	190	-134	1.08		
0821	6.63	18.22	0.490	0.90	172	-133	1.10		
0824	6.60	18.12	0.491	0.89	161	-133	1.10		Empty Horiba
0827	6.58	17.97	0.494	0.10	139	-112	1.10		
0830	6.57	18.07	0.499	0.91	131	-123	1.10		
0833	6.57	17.88	0.501	0.90	131	-121	1.10		
0836	6.59	17.78	0.506	0.88	118	-121	1.10		
0839	6.55	17.72	0.508	0.86	104	-122	1.10		
0842	6.55	17.65	0.510	0.86	96.8	-123	1.10		
0845	6.55	17.64	0.510	0.86	90.5	-123	1.10		
0848	6.58	17.63	0.512	0.85	84.2	-124	1.10		
0851	Collect MW-115-20200630								
~~AFV~~									
~~06/30/20~~									

Certified Sample Information: 0851

Time of Sample:

Analyst Signature: *Reshale*

Instrument Data:

Manufacturer/Model: Horiba U-52

Serial No. Unit: P3Y64XBB

Serial No. Handheld: TBL330XW

Calibration Date/Time: 6/30/20

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-115
Sample I.D.: MW-115-20200630 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 06/30/20 Time: 0900
Weather: Sunny Air Temp.: 75

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.04 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel Tubing/Rope: ☐ Teflon®
☐ PVC ☒ Polyethylene
☐ Other: _____ ☒ Polypropylene
Pumping Rate: 300 mL/min Elapsed Time: 42 min Volume Pumped: 49 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel Tubing/Rope: ☐ Teflon®
☒ Polyethylene
SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 06/30/20

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP	Project Number: 153021
Client: National Grid	Date: 6/30/20
Personnel: RES/AFV	Well ID: MW-8D
Purge/Sample Depth: ~21'	Sample ID: MW-8D-20200630

Actual Time	Certified Parameters						ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)					
0723	5.36	19.31	0.561	4.02	68.4	227	0.10	200 ↓		
0726	5.72	17.31	0.444	2.55	37.6	195	0.10			
0729	5.74	16.82	0.416	2.17	30.7	192	0.10			
0733	5.75	16.52	0.401	1.86	24.5	192	0.10			
0735	5.73	16.06	0.396	1.67	25.0	195	0.60			
0738	5.78	15.98	0.394	1.59	23.5	198	0.60			
0741	5.70	15.89	0.392	1.52	23.2	200	0.60			
0744	5.70	15.83	0.391	1.44	21.3	200	0.60			
0747	5.70	15.82	0.389	1.39	20.8	201	0.60			
0750	5.70	15.84	0.391	1.33	18.7	204	0.60			
0753	5.69	15.80	0.391	1.29	17.6	205	0.60			
0756 Collect M/L-8D-20200630										
~~AFI 06/30/20~~										

Certified Sample Information:

Time of Sample:

Analyst Signature:

Instrument Data:

Manufacturer/Model: Horiba U-52

Serial No. Unit:

Serial No. Handheld:

Calibration Date/Time: 06/30/20

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MU-8D
Sample I.D.: MU-8D-20200630 (If different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 06/30/20 Time: 0723
Weather: Sunny Air Temp.: 75

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 0.65 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____
Pumping Rate: 200 ml/min Elapsed Time: 30 min Volume Pumped: 299 l
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____
SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 6/30/20

Brown AND Caldwell2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP

Project Number: 153021

Client: National Grid

Date: 6/29/20

Personnel: RES/AFV

Well ID: MW-85

Purge/Sample Depth: ~7.5'

Sample ID: MW-85-20200629

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments	
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)					
1515	6.98	25.01	0.535	5.90	75.2	-78	0.85	200 ↓		
1518	6.81	22.08	0.535	2.08	67.3	-103	0.85			
1521	6.82	21.06	0.523	1.52	72.4	-117	0.85			
1524	6.79	20.20	0.514	1.14	69.3	-123	0.85			
1527	6.78	19.95	0.510	1.00	55.8	-125	0.85			
1530	6.78	19.86	0.505	0.91	42.7	-126	0.85			
1533	6.83	19.75	0.502	0.79	41.7	-130	0.85			
1536	6.82	19.62	0.502	0.72	33.8	-135	0.85			
1539	6.82	19.66	0.500	0.67	36.8	-138	0.85			
1542	6.85	19.76	0.501	0.65	40.3	-138	0.85			
1545	6.81	19.55	0.499	0.61	34.4	-140	0.85			
1548	Collect MW-85-					20	200	62	9	
~~AFV~~										
~~06/29/20~~										

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-85
Sample I.D.: MW-85-20200629 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 06/29/20 Time: 1512
Weather: Sunny Air Temp.: _____

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 06/29/20

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP	Project Number: 153021
Client: National Grid	Date: 6/29/20
Personnel: RES/AFV	Well ID: MH-100
Purge/Sample Depth: ~21'	Sample ID: MH-100-20200629

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1413	8.13	18.72	0.512	6.44	57.0	-84	1.04	250 ↓	
1416	7.12	17.25	0.565	1.75	91.6	31	1.04		
1419	7.11	17.05	0.560	1.51	81.5	41	1.05		
1422	7.15	16.67	0.548	1.33	65.9	53	1.05		
1425	7.16	16.51	0.539	1.25	51.6	66	1.05		
1428	7.12	16.53	0.537	1.21	42.6	70	1.05		
1431	7.11	16.53	0.530	1.21	35.2	75	1.05		
1434	7.17	16.54	0.530	1.19	28.3	78	1.05		
1437	7.14	16.59	0.525	1.20	23.5	82	1.05		
1440	7.16	16.58	0.521	1.19	16.5	86	1.05		
1443	7.16	16.58	0.520	1.20	15.2	88	1.05		
1446	Collect MW-10D-20 200629								
OFF 06/29/20									

Certified Sample Information:

Time of Sample:

Analyst Signature:

Instrument Data:

Manufacturer/Model: Horiba U-52

Serial No. Unit:

Serial No. Handheld:

Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-10D
 Sample I.D.: MW-10D-20200629 (if different from well no.)

Project: Patchogue
 Personnel: RES/AFV

Date: 06/29/20 Time: 1413
 Weather: Sunny Air Temp.: _____

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
 Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
 DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
 DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
 CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
 Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
 Does Weep Hole adequately drain well head? ☒ Yes ☐ No
 Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
 Is Padlock Functional? ☐ Yes ☐ No ☒ N/A Is Inner Casing Intact? ☐ Yes ☐ No
 Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
 MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
 Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____
 Pumping Rate: 250ml/min Elapsed Time: 30min Volume Pumped: 2.5G
 Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
 PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
 MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
 Tubing/Rope: ☒ Teflon® ☐ Polyethylene
 SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
 Metals samples field filtered? ☐ Yes ☒ No Method: _____
 APPEARANCE: ☐ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
 FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
 MS/MSD: ☐ No ☒ Yes Name: MW-10D-20200629 (MS/MSD)

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [Signature] Date: 06/29/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP

Project Number: 153021

Client: National Grid

Date: 6/29/20

Personnel: RES/AFV

Well ID: MW-105

Purge/Sample Depth: ~125'

Sample ID: MW-105-20200629

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1332	7.06	24.15	0.470	4.32	245	-96	1.05	225 ↓	
1335	7.00	21.16	0.498	2.02	263	-118	1.05		
1338	6.98	20.28	0.507	1.91	231	-118	1.05		
1341	6.95	19.16	0.515	1.82	203	-118	1.05		
1344	6.90	17.04	0.532	1.91	150	-113	1.05		
1347	6.93	17.04	0.532	1.89	144	-112	1.05		
1350	6.91	16.75	0.531	1.90	122	-111	1.05		
1353	6.91	16.77	0.511	2.92	115	-99	1.05		Empty Horiba
1356	6.89	16.44	0.529	2.06	103	-106	1.05		
1359	6.89	16.37	0.532	2.02	96.6	-108	1.05		
1402	6.90	16.37	0.530	1.97	88.6	-110	1.05		
1405	6.91	16.36	0.530	1.85	76.7	-111	1.05		
1408	Collect MW-105-20200629								
AFV 6/29/20									

Certified Sample Information:

Time of Sample: 1408

Analyst Signature: *Cordell Scodale*

Instrument Data:

Manufacturer/Model: Horiba U-52

Serial No. Unit: P3N6AXKB

Serial No. Handheld: TBL330XW

Calibration Date/Time: 6/29/20

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-105
Sample I.D.: MW-105-20200629 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 06/29/20 Time: 1:33
Weather: Sunny Air Temp.: _____

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.05 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____
Pumping Rate: 225 ml/min Elapsed Time: 33 min Volume Pumped: 2.25 g
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____
SAMPLING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☒ Field Cleaned AFV
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: MW-105-20200629 AFV

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 06/29/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue former MGP	Project Number: 153021
Client: National Grid	Date: 6/29/20
Personnel: RES/AFV	Well ID: MW-1
Purge/Sample Depth: ~13	Sample ID: MW-1-2020629

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1129	6.31	24.33	0.869	4.54	14.4	0	3.92	200 ↓	
1132	6.88	23.10	1.16	2.63	15.5	-63	3.92		
1135	6.90	20.56	1.38	1.75	13.8	-101	5.92		
1138	6.97	19.30	1.42	1.41	15.7	-158	5.92		
1141	6.99	18.75	1.46	1.26	14.8	-219	5.92		
1144	7.03	18.07	1.50	1.10	12.9	-258	5.92		
1147	7.03	17.88	1.50	0.98	11.7	-266	5.92		
1150	7.05	17.82	1.49	0.89	10.6	-267	5.92		
1153	7.06	17.80	1.47	0.85	10.0	-267	5.93		
1156	7.07	17.84	1.46	0.80	9.2	-266	5.95		
1159	7.09	17.92	1.44	0.75	9.0	-266	5.95		
1202 Collect MW-1-20200629									
AFV OG 6/29/20									

Certified Sample Information:

Time of Sample: 1202

Analyst Signature: AFV

Instrument Data:

Manufacturer/Model: Horiba U-52

Serial No. Unit: P3764XKB

Serial No. Handheld: TBL330XW

Calibration Date/Time: 6/29/20

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-1
Sample I.D.: MW-1 - 20200629 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 6/29/20 Time: 1122
Weather: Sunny Air Temp.: _____

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 20 gal

Was well Evacuated? ☐ Yes ☐ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☐ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

SAMPLING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☐ Field Cleaned

Metals samples field filtered? ☐ Yes ☐ No Method: _____

APPEARANCE: ☐ Clear ☐ Turbid ☒ Color: Yellow ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____

MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Radul Scardale Date: 6/29/20

Appendix B: Laboratory Reports



ANALYTICAL REPORT

Job Number: 410-6533-1

Job Description: Patchogue, NY

For:

Brown and Caldwell
500 North Franklin Turnpike
Suite 306
Ramsey, NJ 07446

Attention: Mr. James L Marolda



Approved for release.
Barbara A Weyandt
Project Manager
8/2/2020 10:07 AM

Barbara A Weyandt, Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(717)556-7264
barbaraweyandt@eurofinsus.com
08/02/2020

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Job Number: 410-6533-1

Job Description: Patchogue, NY

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Job Narrative
410-6533-1

Comments

No additional comments.

Receipt

The samples were received on 7/2/2020 10:31 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.6° C, 3.0° C and 3.8° C.

Receipt Exceptions

The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-1-20200629 (410-6533-1).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-10S-20200629 (410-6533-2).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-10D-20200629 (410-6533-3).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-10D-20200629 (410-6533-3[MSJ]).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-10D-20200629 (410-6533-3[MSD]).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-8S-20200629 (410-6533-4).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-8D-20200630 (410-6533-5).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-11S-20200630 (410-6533-6).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-11D-20200630 (410-6533-7).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-7S-20200630 (410-6533-8).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-7D-20200630 (410-6533-9).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-14S-20200630 (410-6533-10).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 FB-20200630 (410-6533-11).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-14D-20200630 (410-6533-12).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-4S-20200701 (410-6533-13).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-4D-20200701 (410-6533-14).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-3-20200701 (410-6533-15).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-13S-20200701 (410-6533-16).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-13D-20200701 (410-6533-17).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-12S-20200701 (410-6533-18).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 MW-12D-20200701 (410-6533-19).
The container count received was 2 while the COC lists 5. Missing VOC vials received on 07/03/20 DUP-20200701 (410-6533-20).

GC/MS VOA

Method 8260C: Reanalysis of the following sample undiluted was performed outside of the analytical holding time (2 hours 24 minutes past hold): MW-1-20200629 (410-6533-1). The initial analysis was performed at a 5x dilution within holding time. Both sets of data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: Naphthalene was detected above the reporting limit (RL) in the method blank associated with preparation batch 410-19318 and analytical batch 410-20766 as well as in the following samples: MW-11S-20200630 (410-6533-6) and MW-14S-20200630 (410-6533-10). All affected samples were re-extracted and re-analyzed outside of holding time. The first set of data has been reported.

Method 8270D: Surrogate recoveries for the following sample are outside of acceptance limits: DUP-20200701 (410-6533-20). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-6533-1	MW-1-20200629	Ground Water	06/29/20 12:02	07/02/20 10:31	
410-6533-2	MW-10S-20200629	Ground Water	06/29/20 14:08	07/02/20 10:31	
410-6533-3	MW-10D-20200629	Ground Water	06/29/20 14:46	07/02/20 10:31	
410-6533-4	MW-8S-20200629	Ground Water	06/29/20 15:48	07/02/20 10:31	
410-6533-5	MW-8D-20200630	Ground Water	06/30/20 07:56	07/02/20 10:31	
410-6533-6	MW-11S-20200630	Ground Water	06/30/20 08:51	07/02/20 10:31	
410-6533-7	MW-11D-20200630	Ground Water	06/30/20 09:28	07/02/20 10:31	
410-6533-8	MW-7S-20200630	Ground Water	06/30/20 10:24	07/02/20 10:31	
410-6533-9	MW-7D-20200630	Ground Water	06/30/20 11:03	07/02/20 10:31	
410-6533-10	MW-14S-20200630	Ground Water	06/30/20 12:50	07/02/20 10:31	
410-6533-11	FB-20200630	Water	06/30/20 13:05	07/02/20 10:31	
410-6533-12	MW-14D-20200630	Ground Water	06/30/20 13:54	07/02/20 10:31	
410-6533-13	MW-4S-20200701	Ground Water	07/01/20 07:59	07/02/20 10:31	
410-6533-14	MW-4D-20200701	Ground Water	07/01/20 08:36	07/02/20 10:31	
410-6533-15	MW-3-20200701	Ground Water	07/01/20 09:18	07/02/20 10:31	
410-6533-16	MW-13S-20200701	Ground Water	07/01/20 10:20	07/02/20 10:31	
410-6533-17	MW-13D-20200701	Ground Water	07/01/20 11:10	07/02/20 10:31	
410-6533-18	MW-12S-20200701	Ground Water	07/01/20 12:40	07/02/20 10:31	
410-6533-19	MW-12D-20200701	Ground Water	07/01/20 13:17	07/02/20 10:31	
410-6533-20	DUP-20200701	Ground Water	07/01/20 00:00	07/02/20 10:31	
410-6533-21	TB-20200630	Water	06/30/20 00:00	07/02/20 10:31	

Detection Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-1-20200629

Lab Sample ID: 410-6533-1

No Detections.

Client Sample ID: MW-10S-20200629

Lab Sample ID: 410-6533-2

No Detections.

Client Sample ID: MW-10D-20200629

Lab Sample ID: 410-6533-3

No Detections.

Client Sample ID: MW-8S-20200629

Lab Sample ID: 410-6533-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.11	J	0.52	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-8D-20200630

Lab Sample ID: 410-6533-5

No Detections.

Client Sample ID: MW-11S-20200630

Lab Sample ID: 410-6533-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		1.0	0.20	ug/L	1		8260C	Total/NA
Xylenes, Total	1.2	J	2.0	0.65	ug/L	1		8260C	Total/NA
Acenaphthene	38		0.51	0.10	ug/L	1		8270D	Total/NA
Acenaphthylene	0.84		0.51	0.10	ug/L	1		8270D	Total/NA
Anthracene	2.4		0.51	0.10	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	0.53		0.51	0.10	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	0.23	J	0.51	0.10	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.22	J	0.51	0.10	ug/L	1		8270D	Total/NA
Chrysene	0.44	J	0.51	0.10	ug/L	1		8270D	Total/NA
Fluoranthene	4.9		0.51	0.10	ug/L	1		8270D	Total/NA
Fluorene	7.1		0.51	0.10	ug/L	1		8270D	Total/NA
Naphthalene	1.9	B	0.51	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	1.9		0.51	0.10	ug/L	1		8270D	Total/NA
Pyrene	6.3		0.51	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-11D-20200630

Lab Sample ID: 410-6533-7

No Detections.

Client Sample ID: MW-7S-20200630

Lab Sample ID: 410-6533-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.14	J	0.50	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-7D-20200630

Lab Sample ID: 410-6533-9

No Detections.

Client Sample ID: MW-14S-20200630

Lab Sample ID: 410-6533-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.73	J	2.0	0.65	ug/L	1		8260C	Total/NA
Acenaphthene	1.6		0.51	0.10	ug/L	1		8270D	Total/NA
Fluorene	0.15	J	0.51	0.10	ug/L	1		8270D	Total/NA
Naphthalene	0.63	B	0.51	0.10	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: FB-20200630

Lab Sample ID: 410-6533-11

No Detections.

Client Sample ID: MW-14D-20200630

Lab Sample ID: 410-6533-12

No Detections.

Client Sample ID: MW-4S-20200701

Lab Sample ID: 410-6533-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	2.0		1.0	0.20	ug/L	1			8260C	Total/NA
Acenaphthene	22		0.51	0.10	ug/L	1			8270D	Total/NA
Acenaphthylene	0.12	J	0.51	0.10	ug/L	1			8270D	Total/NA
Anthracene	0.33	J	0.51	0.10	ug/L	1			8270D	Total/NA
Fluoranthene	1.7		0.51	0.10	ug/L	1			8270D	Total/NA
Fluorene	6.1		0.51	0.10	ug/L	1			8270D	Total/NA
Naphthalene	1.6		0.51	0.10	ug/L	1			8270D	Total/NA
Phenanthrene	1.5		0.51	0.10	ug/L	1			8270D	Total/NA
Pyrene	3.4		0.51	0.10	ug/L	1			8270D	Total/NA

Client Sample ID: MW-4D-20200701

Lab Sample ID: 410-6533-14

No Detections.

Client Sample ID: MW-3-20200701

Lab Sample ID: 410-6533-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.94	J	1.0	0.20	ug/L	1			8260C	Total/NA
Ethylbenzene	7.6		1.0	0.30	ug/L	1			8260C	Total/NA
Toluene	1.3		1.0	0.38	ug/L	1			8260C	Total/NA
Xylenes, Total	8.1		2.0	0.65	ug/L	1			8260C	Total/NA
Acenaphthene	28		0.51	0.10	ug/L	1			8270D	Total/NA
Acenaphthylene	2.7		0.51	0.10	ug/L	1			8270D	Total/NA
Anthracene	0.69		0.51	0.10	ug/L	1			8270D	Total/NA
Benzo[a]anthracene	2.2		0.51	0.10	ug/L	1			8270D	Total/NA
Chrysene	1.5		0.51	0.10	ug/L	1			8270D	Total/NA
Fluoranthene	11		0.51	0.10	ug/L	1			8270D	Total/NA
Fluorene	5.0		0.51	0.10	ug/L	1			8270D	Total/NA
Naphthalene	110		0.51	0.10	ug/L	1			8270D	Total/NA
Phenanthrene	0.85		0.51	0.10	ug/L	1			8270D	Total/NA
Pyrene	17		0.51	0.10	ug/L	1			8270D	Total/NA

Client Sample ID: MW-13S-20200701

Lab Sample ID: 410-6533-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	2.1		1.0	0.20	ug/L	1			8260C	Total/NA
Ethylbenzene	12		1.0	0.30	ug/L	1			8260C	Total/NA
Toluene	1.0		1.0	0.38	ug/L	1			8260C	Total/NA
Xylenes, Total	9.9		2.0	0.65	ug/L	1			8260C	Total/NA
Acenaphthene	76		0.51	0.10	ug/L	1			8270D	Total/NA
Acenaphthylene	3.0		0.51	0.10	ug/L	1			8270D	Total/NA
Anthracene	7.5		0.51	0.10	ug/L	1			8270D	Total/NA
Benzo[a]anthracene	2.5		0.51	0.10	ug/L	1			8270D	Total/NA
Benzo[b]fluoranthene	0.16	J	0.51	0.10	ug/L	1			8270D	Total/NA
Chrysene	1.7		0.51	0.10	ug/L	1			8270D	Total/NA
Fluoranthene	12		0.51	0.10	ug/L	1			8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-13S-20200701 (Continued)

Lab Sample ID: 410-6533-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	32		0.51	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	63		0.51	0.10	ug/L	1		8270D	Total/NA
Pyrene	16		0.51	0.10	ug/L	1		8270D	Total/NA
Naphthalene - DL	180		2.5	0.51	ug/L	5		8270D	Total/NA

Client Sample ID: MW-13D-20200701

Lab Sample ID: 410-6533-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.11	J	0.50	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-12S-20200701

Lab Sample ID: 410-6533-18

No Detections.

Client Sample ID: MW-12D-20200701

Lab Sample ID: 410-6533-19

No Detections.

Client Sample ID: DUP-20200701

Lab Sample ID: 410-6533-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0	0.20	ug/L	1		8260C	Total/NA
Ethylbenzene	7.6		1.0	0.30	ug/L	1		8260C	Total/NA
Toluene	1.3		1.0	0.38	ug/L	1		8260C	Total/NA
Xylenes, Total	8.2		2.0	0.65	ug/L	1		8260C	Total/NA
Acenaphthene	13		0.51	0.10	ug/L	1		8270D	Total/NA
Acenaphthylene	1.2		0.51	0.10	ug/L	1		8270D	Total/NA
Anthracene	0.34	J	0.51	0.10	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	1.2		0.51	0.10	ug/L	1		8270D	Total/NA
Chrysene	0.77		0.51	0.10	ug/L	1		8270D	Total/NA
Fluoranthene	5.2		0.51	0.10	ug/L	1		8270D	Total/NA
Fluorene	2.3		0.51	0.10	ug/L	1		8270D	Total/NA
Naphthalene	45		0.51	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	0.40	J	0.51	0.10	ug/L	1		8270D	Total/NA
Pyrene	8.3		0.51	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: TB-20200630

Lab Sample ID: 410-6533-21

No Detections.

Method Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
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:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-1-20200629

Lab Sample ID: 410-6533-1

Date Collected: 06/29/20 12:02

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	1.0	ug/L			07/11/20 04:43	5
Ethylbenzene	ND		5.0	1.5	ug/L			07/11/20 04:43	5
Methyl tertiary butyl ether	ND		5.0	2.3	ug/L			07/11/20 04:43	5
Toluene	ND		5.0	1.9	ug/L			07/11/20 04:43	5
Xylenes, Total	ND		10	3.3	ug/L			07/11/20 04:43	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75 - 123		07/11/20 04:43	5
Dibromofluoromethane (Surr)	90		77 - 124		07/11/20 04:43	5
Toluene-d8 (Surr)	100		80 - 120		07/11/20 04:43	5
4-Bromofluorobenzene	97		76 - 120		07/11/20 04:43	5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		44 - 102	07/04/20 07:23	07/09/20 04:21	1
Nitrobenzene-d5 (Surr)	64		38 - 113	07/04/20 07:23	07/09/20 04:21	1
p-Terphenyl-d14 (Surr)	95		34 - 128	07/04/20 07:23	07/09/20 04:21	1

Client Sample ID: MW-10S-20200629

Lab Sample ID: 410-6533-2

Date Collected: 06/29/20 14:08

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 15:26	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 15:26	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 15:26	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 15:26	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 123		07/10/20 15:26	1
Dibromofluoromethane (Surr)	91		77 - 124		07/10/20 15:26	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-10S-20200629

Date Collected: 06/29/20 14:08

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-2

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		07/10/20 15:26	1
4-Bromofluorobenzene	95		76 - 120		07/10/20 15:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		44 - 102	07/04/20 07:23	07/09/20 04:49	1
Nitrobenzene-d5 (Surr)	71		38 - 113	07/04/20 07:23	07/09/20 04:49	1
p-Terphenyl-d14 (Surr)	99		34 - 128	07/04/20 07:23	07/09/20 04:49	1

Client Sample ID: MW-10D-20200629

Date Collected: 06/29/20 14:46

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 13:10	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 13:10	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 13:10	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 13:10	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 123		07/10/20 13:10	1
Dibromofluoromethane (Surr)	95		77 - 124		07/10/20 13:10	1
Toluene-d8 (Surr)	99		80 - 120		07/10/20 13:10	1
4-Bromofluorobenzene	95		76 - 120		07/10/20 13:10	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Acenaphthylene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Anthracene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-10D-20200629

Lab Sample ID: 410-6533-3

Date Collected: 06/29/20 14:46

Matrix: Ground Water

Date Received: 07/02/20 10:31

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Benzo[a]pyrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Benzo[b]fluoranthene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Benzo[g,h,i]perylene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Benzo[k]fluoranthene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Chrysene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Dibenz(a,h)anthracene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Fluoranthene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Fluorene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Indeno[1,2,3-cd]pyrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Naphthalene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Phenanthrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1
Pyrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		44 - 102	07/04/20 07:23	07/09/20 05:18	1
Nitrobenzene-d5 (Surr)	64		38 - 113	07/04/20 07:23	07/09/20 05:18	1
p-Terphenyl-d14 (Surr)	95		34 - 128	07/04/20 07:23	07/09/20 05:18	1

Client Sample ID: MW-8S-20200629

Lab Sample ID: 410-6533-4

Date Collected: 06/29/20 15:48

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/11/20 00:26	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/11/20 00:26	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/11/20 00:26	1
Toluene	ND		1.0	0.38	ug/L			07/11/20 00:26	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/11/20 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		75 - 123		07/11/20 00:26	1
Dibromofluoromethane (Surr)	95		77 - 124		07/11/20 00:26	1
Toluene-d8 (Surr)	102		80 - 120		07/11/20 00:26	1
4-Bromofluorobenzene	101		76 - 120		07/11/20 00:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.11	J	0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Acenaphthylene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Anthracene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Benzo[a]anthracene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Benzo[a]pyrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Benzo[b]fluoranthene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Benzo[g,h,i]perylene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Benzo[k]fluoranthene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Chrysene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Dibenz(a,h)anthracene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Fluoranthene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Fluorene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-8S-20200629

Lab Sample ID: 410-6533-4

Date Collected: 06/29/20 15:48

Matrix: Ground Water

Date Received: 07/02/20 10:31

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Naphthalene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Phenanthrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1
Pyrene	ND		0.52	0.10	ug/L		07/04/20 07:23	07/09/20 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		44 - 102	07/04/20 07:23	07/09/20 06:43	1
Nitrobenzene-d5 (Surr)	64		38 - 113	07/04/20 07:23	07/09/20 06:43	1
p-Terphenyl-d14 (Surr)	92		34 - 128	07/04/20 07:23	07/09/20 06:43	1

Client Sample ID: MW-8D-20200630

Lab Sample ID: 410-6533-5

Date Collected: 06/30/20 07:56

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 16:11	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 16:11	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 16:11	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 16:11	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		07/10/20 16:11	1
Dibromofluoromethane (Surr)	95		77 - 124		07/10/20 16:11	1
Toluene-d8 (Surr)	103		80 - 120		07/10/20 16:11	1
4-Bromofluorobenzene	98		76 - 120		07/10/20 16:11	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 07:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	55		44 - 102	07/04/20 07:23	07/09/20 07:11	1
Nitrobenzene-d5 (Surr)	56		38 - 113	07/04/20 07:23	07/09/20 07:11	1
p-Terphenyl-d14 (Surr)	91		34 - 128	07/04/20 07:23	07/09/20 07:11	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-11S-20200630

Lab Sample ID: 410-6533-6

Date Collected: 06/30/20 08:51

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.5		1.0	0.20	ug/L			07/10/20 16:34	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 16:34	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 16:34	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 16:34	1
Xylenes, Total	1.2	J	2.0	0.65	ug/L			07/10/20 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 123		07/10/20 16:34	1
Dibromofluoromethane (Surr)	89		77 - 124		07/10/20 16:34	1
Toluene-d8 (Surr)	94		80 - 120		07/10/20 16:34	1
4-Bromofluorobenzene	92		76 - 120		07/10/20 16:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	38		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Acenaphthylene	0.84		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Anthracene	2.4		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Benzo[a]anthracene	0.53		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Benzo[a]pyrene	0.23	J	0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Benzo[b]fluoranthene	0.22	J	0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Chrysene	0.44	J	0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Fluoranthene	4.9		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Fluorene	7.1		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Naphthalene	1.9	B	0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Phenanthrene	1.9		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1
Pyrene	6.3		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	53		44 - 102	07/04/20 07:23	07/09/20 14:02	1
Nitrobenzene-d5 (Surr)	52		38 - 113	07/04/20 07:23	07/09/20 14:02	1
p-Terphenyl-d14 (Surr)	70		34 - 128	07/04/20 07:23	07/09/20 14:02	1

Client Sample ID: MW-11D-20200630

Lab Sample ID: 410-6533-7

Date Collected: 06/30/20 09:28

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 16:56	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 16:56	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 16:56	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 16:56	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75 - 123		07/10/20 16:56	1
Dibromofluoromethane (Surr)	93		77 - 124		07/10/20 16:56	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-11D-20200630

Date Collected: 06/30/20 09:28

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-7

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		07/10/20 16:56	1
4-Bromofluorobenzene	96		76 - 120		07/10/20 16:56	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Acenaphthylene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Anthracene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Chrysene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Fluorene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Naphthalene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Phenanthrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1
Pyrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		44 - 102	07/04/20 07:23	07/09/20 14:31	1
Nitrobenzene-d5 (Surr)	61		38 - 113	07/04/20 07:23	07/09/20 14:31	1
p-Terphenyl-d14 (Surr)	92		34 - 128	07/04/20 07:23	07/09/20 14:31	1

Client Sample ID: MW-7S-20200630

Date Collected: 06/30/20 10:24

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 17:19	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 17:19	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 17:19	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 17:19	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		75 - 123		07/10/20 17:19	1
Dibromofluoromethane (Surr)	83		77 - 124		07/10/20 17:19	1
Toluene-d8 (Surr)	87		80 - 120		07/10/20 17:19	1
4-Bromofluorobenzene	84		76 - 120		07/10/20 17:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.14	J	0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Acenaphthylene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Anthracene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-7S-20200630

Lab Sample ID: 410-6533-8

Date Collected: 06/30/20 10:24

Matrix: Ground Water

Date Received: 07/02/20 10:31

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Chrysene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Fluorene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Naphthalene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Phenanthrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1
Pyrene	ND		0.50	0.10	ug/L		07/04/20 07:23	07/09/20 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		44 - 102	07/04/20 07:23	07/09/20 15:00	1
Nitrobenzene-d5 (Surr)	64		38 - 113	07/04/20 07:23	07/09/20 15:00	1
p-Terphenyl-d14 (Surr)	91		34 - 128	07/04/20 07:23	07/09/20 15:00	1

Client Sample ID: MW-7D-20200630

Lab Sample ID: 410-6533-9

Date Collected: 06/30/20 11:03

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 17:41	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 17:41	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 17:41	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 17:41	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 123		07/10/20 17:41	1
Dibromofluoromethane (Surr)	91		77 - 124		07/10/20 17:41	1
Toluene-d8 (Surr)	97		80 - 120		07/10/20 17:41	1
4-Bromofluorobenzene	93		76 - 120		07/10/20 17:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-7D-20200630

Lab Sample ID: 410-6533-9

Date Collected: 06/30/20 11:03

Matrix: Ground Water

Date Received: 07/02/20 10:31

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		44 - 102	07/04/20 07:23	07/09/20 15:28	1
Nitrobenzene-d5 (Surr)	55		38 - 113	07/04/20 07:23	07/09/20 15:28	1
p-Terphenyl-d14 (Surr)	77		34 - 128	07/04/20 07:23	07/09/20 15:28	1

Client Sample ID: MW-14S-20200630

Lab Sample ID: 410-6533-10

Date Collected: 06/30/20 12:50

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 18:04	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 18:04	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 18:04	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 18:04	1
Xylenes, Total	0.73	J	2.0	0.65	ug/L			07/10/20 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		07/10/20 18:04	1
Dibromofluoromethane (Surr)	96		77 - 124		07/10/20 18:04	1
Toluene-d8 (Surr)	100		80 - 120		07/10/20 18:04	1
4-Bromofluorobenzene	97		76 - 120		07/10/20 18:04	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.6		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Fluorene	0.15	J	0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Naphthalene	0.63	B	0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/09/20 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		44 - 102	07/04/20 07:23	07/09/20 15:57	1
Nitrobenzene-d5 (Surr)	61		38 - 113	07/04/20 07:23	07/09/20 15:57	1
p-Terphenyl-d14 (Surr)	92		34 - 128	07/04/20 07:23	07/09/20 15:57	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: FB-20200630

Lab Sample ID: 410-6533-11

Date Collected: 06/30/20 13:05

Matrix: Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 12:47	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 12:47	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 12:47	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 12:47	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 123		07/10/20 12:47	1
Dibromofluoromethane (Surr)	92		77 - 124		07/10/20 12:47	1
Toluene-d8 (Surr)	98		80 - 120		07/10/20 12:47	1
4-Bromofluorobenzene	96		76 - 120		07/10/20 12:47	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		44 - 102	07/04/20 07:23	07/10/20 17:53	1
Nitrobenzene-d5 (Surr)	56		38 - 113	07/04/20 07:23	07/10/20 17:53	1
p-Terphenyl-d14 (Surr)	88		34 - 128	07/04/20 07:23	07/10/20 17:53	1

Client Sample ID: MW-14D-20200630

Lab Sample ID: 410-6533-12

Date Collected: 06/30/20 13:54

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 18:27	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 18:27	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 18:27	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 18:27	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 123		07/10/20 18:27	1
Dibromofluoromethane (Surr)	92		77 - 124		07/10/20 18:27	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-14D-20200630

Lab Sample ID: 410-6533-12

Date Collected: 06/30/20 13:54

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		07/10/20 18:27	1
4-Bromofluorobenzene	96		76 - 120		07/10/20 18:27	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:23	07/10/20 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		44 - 102	07/04/20 07:23	07/10/20 18:21	1
Nitrobenzene-d5 (Surr)	57		38 - 113	07/04/20 07:23	07/10/20 18:21	1
p-Terphenyl-d14 (Surr)	89		34 - 128	07/04/20 07:23	07/10/20 18:21	1

Client Sample ID: MW-4S-20200701

Lab Sample ID: 410-6533-13

Date Collected: 07/01/20 07:59

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.0		1.0	0.20	ug/L			07/10/20 18:49	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 18:49	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 18:49	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 18:49	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		75 - 123		07/10/20 18:49	1
Dibromofluoromethane (Surr)	80		77 - 124		07/10/20 18:49	1
Toluene-d8 (Surr)	81		80 - 120		07/10/20 18:49	1
4-Bromofluorobenzene	78		76 - 120		07/10/20 18:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	22		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Acenaphthylene	0.12	J	0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Anthracene	0.33	J	0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-4S-20200701

Lab Sample ID: 410-6533-13

Date Collected: 07/01/20 07:59

Matrix: Ground Water

Date Received: 07/02/20 10:31

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Fluoranthene	1.7		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Fluorene	6.1		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Naphthalene	1.6		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Phenanthrene	1.5		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1
Pyrene	3.4		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		44 - 102	07/04/20 07:28	07/06/20 15:19	1
Nitrobenzene-d5 (Surr)	67		38 - 113	07/04/20 07:28	07/06/20 15:19	1
p-Terphenyl-d14 (Surr)	79		34 - 128	07/04/20 07:28	07/06/20 15:19	1

Client Sample ID: MW-4D-20200701

Lab Sample ID: 410-6533-14

Date Collected: 07/01/20 08:36

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 19:12	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 19:12	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 19:12	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 19:12	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		07/10/20 19:12	1
Dibromofluoromethane (Surr)	94		77 - 124		07/10/20 19:12	1
Toluene-d8 (Surr)	100		80 - 120		07/10/20 19:12	1
4-Bromofluorobenzene	94		76 - 120		07/10/20 19:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-4D-20200701

Date Collected: 07/01/20 08:36

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-14

Matrix: Ground Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	66		44 - 102	07/04/20 07:28	07/06/20 15:49	1
Nitrobenzene-d5 (Surr)	64		38 - 113	07/04/20 07:28	07/06/20 15:49	1
p-Terphenyl-d14 (Surr)	88		34 - 128	07/04/20 07:28	07/06/20 15:49	1

Client Sample ID: MW-3-20200701

Date Collected: 07/01/20 09:18

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-15

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.94	J	1.0	0.20	ug/L			07/10/20 19:34	1
Ethylbenzene	7.6		1.0	0.30	ug/L			07/10/20 19:34	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 19:34	1
Toluene	1.3		1.0	0.38	ug/L			07/10/20 19:34	1
Xylenes, Total	8.1		2.0	0.65	ug/L			07/10/20 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 123		07/10/20 19:34	1
Dibromofluoromethane (Surr)	97		77 - 124		07/10/20 19:34	1
Toluene-d8 (Surr)	102		80 - 120		07/10/20 19:34	1
4-Bromofluorobenzene	99		76 - 120		07/10/20 19:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	28		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Acenaphthylene	2.7		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Anthracene	0.69		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Benzo[a]anthracene	2.2		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Chrysene	1.5		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Fluoranthene	11		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Fluorene	5.0		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Naphthalene	110		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Phenanthrene	0.85		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1
Pyrene	17		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		44 - 102	07/04/20 07:28	07/06/20 16:18	1
Nitrobenzene-d5 (Surr)	54		38 - 113	07/04/20 07:28	07/06/20 16:18	1
p-Terphenyl-d14 (Surr)	76		34 - 128	07/04/20 07:28	07/06/20 16:18	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-13S-20200701

Lab Sample ID: 410-6533-16

Date Collected: 07/01/20 10:20

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.1		1.0	0.20	ug/L			07/11/20 00:03	1
Ethylbenzene	12		1.0	0.30	ug/L			07/11/20 00:03	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/11/20 00:03	1
Toluene	1.0		1.0	0.38	ug/L			07/11/20 00:03	1
Xylenes, Total	9.9		2.0	0.65	ug/L			07/11/20 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		07/11/20 00:03	1
Dibromofluoromethane (Surr)	96		77 - 124		07/11/20 00:03	1
Toluene-d8 (Surr)	103		80 - 120		07/11/20 00:03	1
4-Bromofluorobenzene	103		76 - 120		07/11/20 00:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	76		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Acenaphthylene	3.0		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Anthracene	7.5		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Benzo[a]anthracene	2.5		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Benzo[b]fluoranthene	0.16	J	0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Chrysene	1.7		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Fluoranthene	12		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Fluorene	32		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Phenanthrene	63		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1
Pyrene	16		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		44 - 102	07/04/20 07:28	07/06/20 16:48	1
Nitrobenzene-d5 (Surr)	63		38 - 113	07/04/20 07:28	07/06/20 16:48	1
p-Terphenyl-d14 (Surr)	75		34 - 128	07/04/20 07:28	07/06/20 16:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	180		2.5	0.51	ug/L		07/04/20 07:28	07/09/20 00:34	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		44 - 102	07/04/20 07:28	07/09/20 00:34	5
Nitrobenzene-d5 (Surr)	58		38 - 113	07/04/20 07:28	07/09/20 00:34	5
p-Terphenyl-d14 (Surr)	69		34 - 128	07/04/20 07:28	07/09/20 00:34	5

Client Sample ID: MW-13D-20200701

Lab Sample ID: 410-6533-17

Date Collected: 07/01/20 11:10

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/11/20 03:13	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-13D-20200701

Lab Sample ID: 410-6533-17

Date Collected: 07/01/20 11:10

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.30	ug/L			07/11/20 03:13	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/11/20 03:13	1
Toluene	ND		1.0	0.38	ug/L			07/11/20 03:13	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/11/20 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 123		07/11/20 03:13	1
Dibromofluoromethane (Surr)	97		77 - 124		07/11/20 03:13	1
Toluene-d8 (Surr)	105		80 - 120		07/11/20 03:13	1
4-Bromofluorobenzene	101		76 - 120		07/11/20 03:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Acenaphthylene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Anthracene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Chrysene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Fluoranthene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Fluorene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Naphthalene	0.11	J	0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Phenanthrene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1
Pyrene	ND		0.50	0.10	ug/L		07/04/20 07:28	07/06/20 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	54		44 - 102	07/04/20 07:28	07/06/20 17:18	1
Nitrobenzene-d5 (Surr)	57		38 - 113	07/04/20 07:28	07/06/20 17:18	1
p-Terphenyl-d14 (Surr)	86		34 - 128	07/04/20 07:28	07/06/20 17:18	1

Client Sample ID: MW-12S-20200701

Lab Sample ID: 410-6533-18

Date Collected: 07/01/20 12:40

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/11/20 03:35	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/11/20 03:35	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/11/20 03:35	1
Toluene	ND		1.0	0.38	ug/L			07/11/20 03:35	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/11/20 03:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		75 - 123		07/11/20 03:35	1
Dibromofluoromethane (Surr)	79		77 - 124		07/11/20 03:35	1
Toluene-d8 (Surr)	83		80 - 120		07/11/20 03:35	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-12S-20200701

Lab Sample ID: 410-6533-18

Date Collected: 07/01/20 12:40

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		76 - 120		07/11/20 03:35	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		44 - 102	07/04/20 07:28	07/06/20 17:47	1
Nitrobenzene-d5 (Surr)	62		38 - 113	07/04/20 07:28	07/06/20 17:47	1
p-Terphenyl-d14 (Surr)	82		34 - 128	07/04/20 07:28	07/06/20 17:47	1

Client Sample ID: MW-12D-20200701

Lab Sample ID: 410-6533-19

Date Collected: 07/01/20 13:17

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/11/20 03:58	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/11/20 03:58	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/11/20 03:58	1
Toluene	ND		1.0	0.38	ug/L			07/11/20 03:58	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/11/20 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 123		07/11/20 03:58	1
Dibromofluoromethane (Surr)	93		77 - 124		07/11/20 03:58	1
Toluene-d8 (Surr)	100		80 - 120		07/11/20 03:58	1
4-Bromofluorobenzene	97		76 - 120		07/11/20 03:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Acenaphthylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-12D-20200701

Lab Sample ID: 410-6533-19

Date Collected: 07/01/20 13:17

Matrix: Ground Water

Date Received: 07/02/20 10:31

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Chrysene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Fluorene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Naphthalene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Phenanthrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1
Pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		44 - 102	07/04/20 07:28	07/06/20 18:16	1
Nitrobenzene-d5 (Surr)	60		38 - 113	07/04/20 07:28	07/06/20 18:16	1
p-Terphenyl-d14 (Surr)	87		34 - 128	07/04/20 07:28	07/06/20 18:16	1

Client Sample ID: DUP-20200701

Lab Sample ID: 410-6533-20

Date Collected: 07/01/20 00:00

Matrix: Ground Water

Date Received: 07/02/20 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0		1.0	0.20	ug/L			07/11/20 04:21	1
Ethylbenzene	7.6		1.0	0.30	ug/L			07/11/20 04:21	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/11/20 04:21	1
Toluene	1.3		1.0	0.38	ug/L			07/11/20 04:21	1
Xylenes, Total	8.2		2.0	0.65	ug/L			07/11/20 04:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		07/11/20 04:21	1
Dibromofluoromethane (Surr)	93		77 - 124		07/11/20 04:21	1
Toluene-d8 (Surr)	100		80 - 120		07/11/20 04:21	1
4-Bromofluorobenzene	101		76 - 120		07/11/20 04:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	13		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Acenaphthylene	1.2		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Anthracene	0.34	J	0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Benzo[a]anthracene	1.2		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Chrysene	0.77		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Fluoranthene	5.2		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Fluorene	2.3		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: DUP-20200701

Date Collected: 07/01/20 00:00

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-20

Matrix: Ground Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	45		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Phenanthrene	0.40	J	0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1
Pyrene	8.3		0.51	0.10	ug/L		07/04/20 07:28	07/06/20 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	24	X	44 - 102	07/04/20 07:28	07/06/20 23:48	1
Nitrobenzene-d5 (Surr)	21	X	38 - 113	07/04/20 07:28	07/06/20 23:48	1
p-Terphenyl-d14 (Surr)	38		34 - 128	07/04/20 07:28	07/06/20 23:48	1

Client Sample ID: TB-20200630

Date Collected: 06/30/20 00:00

Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			07/10/20 12:25	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/10/20 12:25	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/10/20 12:25	1
Toluene	ND		1.0	0.38	ug/L			07/10/20 12:25	1
Xylenes, Total	ND		2.0	0.65	ug/L			07/10/20 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		07/10/20 12:25	1
Dibromofluoromethane (Surr)	97		77 - 124		07/10/20 12:25	1
Toluene-d8 (Surr)	104		80 - 120		07/10/20 12:25	1
4-Bromofluorobenzene	100		76 - 120		07/10/20 12:25	1

Surrogate Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-123)	DBFM (77-124)	TOL (80-120)	BFB (76-120)
410-6533-1	MW-1-20200629	92	90	100	97
410-6533-2	MW-10S-20200629	90	91	96	95
410-6533-3	MW-10D-20200629	93	95	99	95
410-6533-3 MS	MW-10D-20200629	90	90	100	100
410-6533-3 MSD	MW-10D-20200629	93	93	105	102
410-6533-4	MW-8S-20200629	94	95	102	101
410-6533-5	MW-8D-20200630	95	95	103	98
410-6533-6	MW-11S-20200630	90	89	94	92
410-6533-7	MW-11D-20200630	91	93	97	96
410-6533-8	MW-7S-20200630	84	83	87	84
410-6533-9	MW-7D-20200630	90	91	97	93
410-6533-10	MW-14S-20200630	95	96	100	97
410-6533-12	MW-14D-20200630	93	92	100	96
410-6533-13	MW-4S-20200701	79	80	81	78
410-6533-14	MW-4D-20200701	95	94	100	94
410-6533-15	MW-3-20200701	96	97	102	99
410-6533-16	MW-13S-20200701	95	96	103	103
410-6533-17	MW-13D-20200701	98	97	105	101
410-6533-18	MW-12S-20200701	76	79	83	80
410-6533-19	MW-12D-20200701	93	93	100	97
410-6533-20	DUP-20200701	95	93	100	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-123)	DBFM (77-124)	TOL (80-120)	BFB (76-120)
410-6533-11	FB-20200630	90	92	98	96
410-6533-21	TB-20200630	95	97	104	100
LCS 460-707280/5	Lab Control Sample	91	92	101	100
LCS 460-707433/4	Lab Control Sample	88	91	100	98
LCS 460-708036/5	Lab Control Sample	128 X	101	117	103
LCSD 460-707433/5	Lab Control Sample Dup	90	92	101	99
LCSD 460-708036/6	Lab Control Sample Dup	112	91	102	87
MB 460-707280/10	Method Blank	78	78	85	83
MB 460-707433/9	Method Blank	93	95	100	97
MB 460-708036/10	Method Blank	112	91	102	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (44-102)	NBZ (38-113)	TPHd14 (34-128)
410-6533-1	MW-1-20200629	65	64	95
410-6533-2	MW-10S-20200629	69	71	99
410-6533-3	MW-10D-20200629	62	64	95
410-6533-3 MS	MW-10D-20200629	71	71	83
410-6533-3 MSD	MW-10D-20200629	80	78	93
410-6533-4	MW-8S-20200629	60	64	92
410-6533-5	MW-8D-20200630	55	56	91
410-6533-6	MW-11S-20200630	53	52	70
410-6533-7	MW-11D-20200630	62	61	92
410-6533-8	MW-7S-20200630	68	64	91
410-6533-9	MW-7D-20200630	61	55	77
410-6533-10	MW-14S-20200630	67	61	92
410-6533-12	MW-14D-20200630	62	57	89
410-6533-13	MW-4S-20200701	69	67	79
410-6533-14	MW-4D-20200701	66	64	88
410-6533-15	MW-3-20200701	57	54	76
410-6533-16	MW-13S-20200701	61	63	75
410-6533-16 - DL	MW-13S-20200701	60	58	69
410-6533-17	MW-13D-20200701	54	57	86
410-6533-18	MW-12S-20200701	62	62	82
410-6533-19	MW-12D-20200701	60	60	87
410-6533-20	DUP-20200701	24 X	21 X	38

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (44-102)	NBZ (38-113)	TPHd14 (34-128)
410-6533-11	FB-20200630	58	56	88
LCS 410-19318/2-A	Lab Control Sample	79	80	93
LCS 410-19320/2-A	Lab Control Sample	79	80	103
LCSD 410-19320/3-A	Lab Control Sample Dup	81	80	104
MB 410-19318/1-A	Method Blank	59	60	83
MB 410-19320/1-A	Method Blank	64	64	101

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

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

Lab Sample ID: MB 460-707280/10

Matrix: Water

Analysis Batch: 707280

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.10	ug/7			02/10/10 1L:0L	1
Ethylbenzene	ND		1.0	0.30	ug/7			02/10/10 1L:0L	1
Methyl tertiary butyl ether	ND		1.0	0.42	ug/7			02/10/10 1L:0L	1
Toluene	ND		1.0	0.39	ug/7			02/10/10 1L:0L	1
Xylenes, Total	ND		1.0	0.65	ug/7			02/10/10 1L:0L	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		95 - 123		09/10/20 12:02	1
Dibromofluoromethane (Surr)	97		99 - 124		09/10/20 12:02	1
Toluene-d7 (Surr)	75		70 - 120		09/10/20 12:02	1
4-Bromofluorobenzene	73		92 - 120		09/10/20 12:02	1

Lab Sample ID: LCS 460-707280/5

Matrix: Water

Analysis Batch: 707280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	11.5		ug/7		102	29 - 116
Ethylbenzene	10.0	19.A		ug/7		A5	29 - 110
Methyl tertiary butyl ether	10.0	1A.L		ug/7		A6	65 - 131
Toluene	10.0	1A.A		ug/7		AA	29 - 11A
Xylenes, Total	40.0	39.L		ug/7		A6	29 - 11L

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	61		95 - 123
Dibromofluoromethane (Surr)	62		99 - 124
Toluene-d7 (Surr)	101		70 - 120
4-Bromofluorobenzene	100		92 - 120

Lab Sample ID: 410-6533-3 MS

Matrix: Ground Water

Analysis Batch: 707280

Client Sample ID: MW-10D-20200629

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		10.0	1A.6		ug/7		A9	29 - 116
Ethylbenzene	ND		10.0	12.5		ug/7		99	29 - 110
Methyl tertiary butyl ether	ND		10.0	12.2		ug/7		9A	65 - 131
Toluene	ND		10.0	19.0		ug/7		A0	29 - 11A
Xylenes, Total	ND		40.0	34.0		ug/7		95	29 - 11L

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	60		95 - 123
Dibromofluoromethane (Surr)	60		99 - 124
Toluene-d7 (Surr)	100		70 - 120
4-Bromofluorobenzene	100		92 - 120

QC Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

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

Lab Sample ID: 410-6533-3 MSD

Matrix: Ground Water

Analysis Batch: 707280

Client Sample ID: MW-10D-20200629

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		L0.0	L1.0		ug/7		105	29 - 1L6	2	30
Ethylbenzene	ND		L0.0	19.L		ug/7		A1	29 - 1L0	4	30
Methyl tertiary butyl ether	ND		L0.0	1A.6		ug/7		A9	65 - 131	10	30
Toluene	ND		L0.0	19.A		ug/7		A4	29 - 11A	5	30
Xylenes, Total	ND		40.0	36.2		ug/7		AL	29 - 1LL	9	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	63		95 - 123
Dibromofluoromethane (Surr)	63		99 - 124
Toluene-d7 (Surr)	105		70 - 120
4-8romofluorobenBene	102		9z - 120

Lab Sample ID: MB 460-707433/9

Matrix: Water

Analysis Batch: 707433

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.L0	ug/7			02/10/L0 L3:13	1
Ethylbenzene	ND		1.0	0.30	ug/7			02/10/L0 L3:13	1
Methyl tertiary butyl ether	ND		1.0	0.42	ug/7			02/10/L0 L3:13	1
Toluene	ND		1.0	0.39	ug/7			02/10/L0 L3:13	1
Xylenes, Total	ND		L.0	0.65	ug/7			02/10/L0 L3:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	63		95 - 123		09/10/20 23:13	1
Dibromofluoromethane (Surr)	65		99 - 124		09/10/20 23:13	1
Toluene-d7 (Surr)	100		70 - 120		09/10/20 23:13	1
4-8romofluorobenBene	69		9z - 120		09/10/20 23:13	1

Lab Sample ID: LCS 460-707433/4

Matrix: Water

Analysis Batch: 707433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	L0.0	LL.9		ug/7		114	29 - 1L6
Ethylbenzene	L0.0	1A.2		ug/7		AA	29 - 1L0
Methyl tertiary butyl ether	L0.0	L0.9		ug/7		104	65 - 131
Toluene	L0.0	L0.5		ug/7		103	29 - 11A
Xylenes, Total	40.0	3A.6		ug/7		AA	29 - 1LL

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	77		95 - 123
Dibromofluoromethane (Surr)	61		99 - 124
Toluene-d7 (Surr)	100		70 - 120
4-8romofluorobenBene	67		9z - 120

QC Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

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

Lab Sample ID: LCSD 460-707433/5

Matrix: Water

Analysis Batch: 707433

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
Benzene	L0.0	L1.6		ug/7		109	29 - 1L6	6	30
Ethylbenzene	L0.0	1A.1		ug/7		A6	29 - 1L0	3	30
Methyl tertiary butyl ether	L0.0	1A.A		ug/7		AA	65 - 131	4	30
Toluene	L0.0	1A.9		ug/7		AA	29 - 11A	3	30
Xylenes, Total	40.0	39.0		ug/7		A5	29 - 1LL	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	60		95 - 123
Dibromofluoromethane (Surr)	62		99 - 124
Toluene-d7 (Surr)	101		70 - 120
4-8romofluorobenBene	66		9z - 120

Lab Sample ID: MB 460-708036/10

Matrix: Water

Analysis Batch: 708036

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.L0	ug/7			02/14/L0 01:36	1
Ethylbenzene	ND		1.0	0.30	ug/7			02/14/L0 01:36	1
Methyl tertiary butyl ether	ND		1.0	0.42	ug/7			02/14/L0 01:36	1
Toluene	ND		1.0	0.39	ug/7			02/14/L0 01:36	1
Xylenes, Total	ND		L.0	0.65	ug/7			02/14/L0 01:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		95 - 123		09/14/20 01:3z	1
Dibromofluoromethane (Surr)	61		99 - 124		09/14/20 01:3z	1
Toluene-d7 (Surr)	102		70 - 120		09/14/20 01:3z	1
4-8romofluorobenBene	6z		9z - 120		09/14/20 01:3z	1

Lab Sample ID: LCS 460-708036/5

Matrix: Water

Analysis Batch: 708036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	L0.0	L3.A		ug/7		1L0	29 - 1L6
Ethylbenzene	L0.0	L1.L		ug/7		106	29 - 1L0
Methyl tertiary butyl ether	L0.0	L5.6		ug/7		1L9	65 - 131
Toluene	L0.0	L3.6		ug/7		119	29 - 11A
Xylenes, Total	40.0	43.6		ug/7		10A	29 - 1LL

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	127	F	95 - 123
Dibromofluoromethane (Surr)	101		99 - 124
Toluene-d7 (Surr)	119		70 - 120
4-8romofluorobenBene	103		9z - 120

QC Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

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

Lab Sample ID: LCSD 460-708036/6

Matrix: Water

Analysis Batch: 708036

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
Benzene	L0.0	L4.4		ug/7		1LL	29 - 1L6	L	30
Ethylbenzene	L0.0	L0.9		ug/7		104	29 - 1L0	L	30
Methyl tertiary butyl ether	L0.0	L4.6		ug/7		1L3	65 - 131	4	30
Toluene	L0.0	L3.L		ug/7		116	29 - 11A	L	30
Xylenes, Total	40.0	43.A		ug/7		110	29 - 1LL	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		95 - 123
Dibromofluoromethane (Surr)	61		99 - 124
Toluene-d7 (Surr)	102		70 - 120
4-Bromofluorobenzene	79		92 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-19318/1-A

Matrix: Water

Analysis Batch: 20598

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
] cenaf hthene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
] cenaf hthylene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
] nthracene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Benzok(a)anthracene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Benzok(f) yrene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Benzok(b)fluoranthene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Benzok(g,h,i)fluorene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Benzok(j)fluoranthene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Chrysene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
fluoranthene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
fluorene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Indenok(1,2,3-cd)fluorene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Naf hthalene	0.440	J	0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Phenanthrene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1
Pyrene	ND		0.50	0.10	ug/7		02/04/L0 02:L3	02/09/L0 LL:1L	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-fluorobiphenyl (Surr)	56		44 - 102	09/04/20 09:23	09/07/20 22:12	1
Xitrobenzene-d5 (Surr)	20		37 - 113	09/04/20 09:23	09/07/20 22:12	1
y-Teryphenyl-d14 (Surr)	73		34 - 127	09/04/20 09:23	09/07/20 22:12	1

Lab Sample ID: LCS 410-19318/2-A

Matrix: Water

Analysis Batch: 20598

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
] cenaf hthene	50.1	41.4		ug/7		93	5L - 114
] cenaf hthylene	50.L	40.6		ug/7		91	56 - 1L2

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QC Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-19318/2-A

Matrix: Water

Analysis Batch: 20598

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
] nthracene	50.1	44.9		ug/7		9A	62 - 116
Benzola(anthracene	50.0	42.0		ug/7		A4	69 - 1L3
Benzola(f yrene	50.L	46.2		ug/7		A3	21 - 112
Benzola(b(duoranthene	50.1	49.2		ug/7		A2	6A - 1L1
Benzola(g,h,i(f erylene	50.1	49.4		ug/7		A2	60 - 11A
Benzola(k(duoranthene	50.1	49.0		ug/7		A6	6A - 1LL
Chrysene	50.0	43.5		ug/7		92	65 - 1L1
Dibenz(a,h)anthracene	50.L	50.6		ug/7		101	63 - 1L9
fluoranthene	50.1	46.6		ug/7		A3	63 - 1LL
fluorene	50.1	4L.A		ug/7		96	56 - 115
Indeno(1,2,3-cd(f yrene	50.L	42.L		ug/7		A4	5A - 1L3
Naphthalene	50.4	39.3		ug/7		26	51 - 10L
Phenanthrene	50.L	45.1		ug/7		A0	65 - 113
Pyrene	50.4	43.1		ug/7		96	65 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-fluorobiphenyl (Surr)	96		44 - 102
Xylenes (Surr)	70		37 - 113
1,2,4-trichlorobenzene (Surr)	63		34 - 127

Lab Sample ID: 410-6533-3 MS

Matrix: Ground Water

Analysis Batch: 20598

Client Sample ID: MW-10D-20200629

Prep Type: Total/NA

Prep Batch: 19318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
] cenaphthene	ND		5L.L	32.A		ug/7		23	5L - 114
] cenaphthylene	ND		5L.L	39.0		ug/7		23	56 - 1L2
] nthracene	ND		5L.L	4L.A		ug/7		9L	62 - 116
Benzola(anthracene	ND		5L.1	42.0		ug/7		A0	69 - 1L3
Benzola(f yrene	ND		5L.3	45.5		ug/7		92	21 - 112
Benzola(b(duoranthene	ND		5L.L	45.4		ug/7		92	6A - 1L1
Benzola(g,h,i(f erylene	ND		5L.L	43.5		ug/7		93	60 - 11A
Benzola(k(duoranthene	ND		5L.L	45.9		ug/7		99	6A - 1LL
Chrysene	ND		5L.1	43.4		ug/7		93	65 - 1L1
Dibenz(a,h)anthracene	ND		5L.3	46.9		ug/7		9A	63 - 1L9
fluoranthene	ND		5L.L	45.L		ug/7		92	63 - 1LL
fluorene	ND		5L.L	41.0		ug/7		2A	56 - 115
Indeno(1,2,3-cd(f yrene	ND		5L.3	44.4		ug/7		95	5A - 1L3
Naphthalene	ND		5L.5	34.5		ug/7		66	51 - 10L
Phenanthrene	ND		5L.3	43.1		ug/7		93	65 - 113
Pyrene	ND		5L.5	41.2		ug/7		2A	65 - 115

Surrogate	MS %Recovery	MS Qualifier	Limits
2-fluorobiphenyl (Surr)	91		44 - 102
Xylenes (Surr)	91		37 - 113
1,2,4-trichlorobenzene (Surr)	73		34 - 127

QC Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-6533-3 MSD

Matrix: Ground Water

Analysis Batch: 20598

Client Sample ID: MW-10D-20200629

Prep Type: Total/NA

Prep Batch: 19318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
] cenaf hthene	ND		5L.6	43.0		ug/7		9L	5L - 114	13	30
] cenaf hthylene	ND		5L.2	4L.9		ug/7		91	56 - 1L2	1L	30
] nthracene	ND		5L.2	42.5		ug/7		A0	62 - 116	10	30
Benzola(anthracene	ND		5L.6	5L.0		ug/7		AA	69 - 1L3	10	30
Benzola(f yrene	ND		5L.2	50.L		ug/7		A5	21 - 112	10	30
Benzola(b(duoranthene	ND		5L.2	50.0		ug/7		A5	6A - 1L1	10	30
Benzola(g,h,i(f erylene	ND		5L.6	42.3		ug/7		A0	60 - 11A	9	30
Benzola(k(duoranthene	ND		5L.6	51.1		ug/7		A2	6A - 1LL	11	30
Chrysene	ND		5L.5	42.1		ug/7		A0	65 - 1L1	9	30
Dibenz(a,h)anthracene	ND		5L.2	5L.1		ug/7		AA	63 - 1L9	11	30
fluoranthene	ND		5L.6	50.1		ug/7		A5	63 - 1LL	10	30
fluorene	ND		5L.2	46.5		ug/7		99	56 - 115	13	30
Indeno(1,2,3-cd(f yrene	ND		5L.2	49.3		ug/7		AL	5A - 1L3	9	30
Naf hthalene	ND		5L.A	39.1		ug/7		2L	51 - 10L	10	30
Phenanthrene	ND		5L.2	42.4		ug/7		A0	65 - 113	A	30
Pyrene	ND		53.0	46.3		ug/7		92	65 - 115	10	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-pluorobiyhenN (Surr)	70		44 - 102
XitrobenBene-d5 (Surr)	97		37 - 113
y-TeryhenN-d14 (Surr)	63		34 - 127

Lab Sample ID: MB 410-19320/1-A

Matrix: Water

Analysis Batch: 19473

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
] cenaf hthene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
] cenaf hthylene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
] nthracene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Benzola(anthracene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Benzola(f yrene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Benzola(b(duoranthene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Benzola(g,h,i(f erylene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Benzola(k(duoranthene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Chrysene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
fluoranthene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
fluorene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Indeno(1,2,3-cd(f yrene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Naf hthalene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Phenanthrene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1
Pyrene	ND		0.50	0.10	ug/7		02/04/L0 02:L9	02/06/L0 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-pluorobiyhenN (Surr)	z4		44 - 102	09/04/20 09:27	09/0z/20 11:55	1
XitrobenBene-d5 (Surr)	z4		37 - 113	09/04/20 09:27	09/0z/20 11:55	1
y-TeryhenN-d14 (Surr)	101		34 - 127	09/04/20 09:27	09/0z/20 11:55	1

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QC Sample Results

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 410-19320/2-A

Matrix: Water

Analysis Batch: 19473

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
] cenaf hthene	50.1	4L.2		ug/7		95	5L - 114
] cenaf hthylene	50.L	40.L		ug/7		90	56 - 1L2
] nthracene	50.1	46.6		ug/7		A3	62 - 116
Benzola(anthracene	50.0	51.9		ug/7		104	69 - 1L3
Benzola(f yrene	50.L	49.A		ug/7		A2	21 - 112
Benzola(b(duoranthene	50.1	51.L		ug/7		10L	6A - 1L1
Benzola(g,h,i(f erylene	50.1	45.L		ug/7		A0	60 - 11A
Benzola(k(duoranthene	50.1	5L.4		ug/7		105	6A - 1LL
Chrysene	50.0	4A.2		ug/7		AA	65 - 1L1
Dibenz(a,h)anthracene	50.L	45.1		ug/7		A0	63 - 1L9
fluoranthene	50.1	42.1		ug/7		A4	63 - 1LL
fluorene	50.1	46.4		ug/7		A3	56 - 115
Indeno(1,2,3-cd)fluorene	50.L	45.4		ug/7		A1	5A - 1L3
Naphthalene	50.4	32.0		ug/7		24	51 - 10L
Phenanthrene	50.L	42.9		ug/7		A5	65 - 113
Pyrene	50.4	49.0		ug/7		A5	65 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-fluorobiphenyl (Surr)	96		44 - 102
Xylenes (Surr)	70		37 - 113
1,2,4-trichlorobenzene (Surr)	103		34 - 127

Lab Sample ID: LCSD 410-19320/3-A

Matrix: Water

Analysis Batch: 19473

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19320

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
] cenaf hthene	50.1	43.3		ug/7		92	5L - 114	L	30
] cenaf hthylene	50.L	41.4		ug/7		9L	56 - 1L2	3	30
] nthracene	50.1	46.A		ug/7		A4	62 - 116	1	30
Benzola(anthracene	50.0	5L.4		ug/7		105	69 - 1L3	1	30
Benzola(f yrene	50.L	42.9		ug/7		A5	21 - 112	L	30
Benzola(b(duoranthene	50.1	50.5		ug/7		101	6A - 1L1	1	30
Benzola(g,h,i(f erylene	50.1	44.5		ug/7		9A	60 - 11A	L	30
Benzola(k(duoranthene	50.1	51.0		ug/7		10L	6A - 1LL	3	30
Chrysene	50.0	49.3		ug/7		A2	65 - 1L1	3	30
Dibenz(a,h)anthracene	50.L	44.0		ug/7		99	63 - 1L9	L	30
fluoranthene	50.1	46.6		ug/7		A3	63 - 1LL	1	30
fluorene	50.1	42.2		ug/7		A5	56 - 115	3	30
Indeno(1,2,3-cd)fluorene	50.L	43.A		ug/7		99	5A - 1L3	3	30
Naphthalene	50.4	39.4		ug/7		26	51 - 10L	4	30
Phenanthrene	50.L	42.A		ug/7		A5	65 - 113	0	30
Pyrene	50.4	49.L		ug/7		A6	65 - 115	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-fluorobiphenyl (Surr)	71		44 - 102
Xylenes (Surr)	70		37 - 113
1,2,4-trichlorobenzene (Surr)	104		34 - 127

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Definitions/Glossary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
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.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

QC Association Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

GC/MS VOA

Analysis Batch: 707280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-2	MW-10S-20200629	Total/NA	Ground Water	8260C	
410-6533-3	MW-10D-20200629	Total/NA	Ground Water	8260C	
410-6533-5	MW-8D-20200630	Total/NA	Ground Water	8260C	
410-6533-6	MW-11S-20200630	Total/NA	Ground Water	8260C	
410-6533-7	MW-11D-20200630	Total/NA	Ground Water	8260C	
410-6533-8	MW-7S-20200630	Total/NA	Ground Water	8260C	
410-6533-9	MW-7D-20200630	Total/NA	Ground Water	8260C	
410-6533-10	MW-14S-20200630	Total/NA	Ground Water	8260C	
410-6533-11	FB-20200630	Total/NA	Water	8260C	
410-6533-12	MW-14D-20200630	Total/NA	Ground Water	8260C	
410-6533-13	MW-4S-20200701	Total/NA	Ground Water	8260C	
410-6533-14	MW-4D-20200701	Total/NA	Ground Water	8260C	
410-6533-15	MW-3-20200701	Total/NA	Ground Water	8260C	
410-6533-21	TB-20200630	Total/NA	Water	8260C	
MB 460-707280/10	Method Blank	Total/NA	Water	8260C	
LCS 460-707280/5	Lab Control Sample	Total/NA	Water	8260C	
410-6533-3 MS	MW-10D-20200629	Total/NA	Ground Water	8260C	
410-6533-3 MSD	MW-10D-20200629	Total/NA	Ground Water	8260C	

Analysis Batch: 707433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-1	MW-1-20200629	Total/NA	Ground Water	8260C	
410-6533-4	MW-8S-20200629	Total/NA	Ground Water	8260C	
410-6533-16	MW-13S-20200701	Total/NA	Ground Water	8260C	
410-6533-17	MW-13D-20200701	Total/NA	Ground Water	8260C	
410-6533-18	MW-12S-20200701	Total/NA	Ground Water	8260C	
410-6533-19	MW-12D-20200701	Total/NA	Ground Water	8260C	
410-6533-20	DUP-20200701	Total/NA	Ground Water	8260C	
MB 460-707433/9	Method Blank	Total/NA	Water	8260C	
LCS 460-707433/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-707433/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 708036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-1 - RA	MW-1-20200629	Total/NA	Ground Water	8260C	
MB 460-708036/10	Method Blank	Total/NA	Water	8260C	
LCS 460-708036/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-708036/6	Lab Control Sample Dup	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 19318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-1	MW-1-20200629	Total/NA	Ground Water	3510C	
410-6533-2	MW-10S-20200629	Total/NA	Ground Water	3510C	
410-6533-3	MW-10D-20200629	Total/NA	Ground Water	3510C	
410-6533-4	MW-8S-20200629	Total/NA	Ground Water	3510C	
410-6533-5	MW-8D-20200630	Total/NA	Ground Water	3510C	
410-6533-6	MW-11S-20200630	Total/NA	Ground Water	3510C	
410-6533-7	MW-11D-20200630	Total/NA	Ground Water	3510C	
410-6533-8	MW-7S-20200630	Total/NA	Ground Water	3510C	

QC Association Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

GC/MS Semi VOA (Continued)

Prep Batch: 19318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-9	MW-7D-20200630	Total/NA	Ground Water	3510C	
410-6533-10	MW-14S-20200630	Total/NA	Ground Water	3510C	
410-6533-11	FB-20200630	Total/NA	Water	3510C	
410-6533-12	MW-14D-20200630	Total/NA	Ground Water	3510C	
MB 410-19318/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-19318/2-A	Lab Control Sample	Total/NA	Water	3510C	
410-6533-3 MS	MW-10D-20200629	Total/NA	Ground Water	3510C	
410-6533-3 MSD	MW-10D-20200629	Total/NA	Ground Water	3510C	

Prep Batch: 19320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-13	MW-4S-20200701	Total/NA	Ground Water	3510C	
410-6533-14	MW-4D-20200701	Total/NA	Ground Water	3510C	
410-6533-15	MW-3-20200701	Total/NA	Ground Water	3510C	
410-6533-16 - DL	MW-13S-20200701	Total/NA	Ground Water	3510C	
410-6533-16	MW-13S-20200701	Total/NA	Ground Water	3510C	
410-6533-17	MW-13D-20200701	Total/NA	Ground Water	3510C	
410-6533-18	MW-12S-20200701	Total/NA	Ground Water	3510C	
410-6533-19	MW-12D-20200701	Total/NA	Ground Water	3510C	
410-6533-20	DUP-20200701	Total/NA	Ground Water	3510C	
MB 410-19320/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-19320/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-19320/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 19473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-13	MW-4S-20200701	Total/NA	Ground Water	8270D	19320
410-6533-14	MW-4D-20200701	Total/NA	Ground Water	8270D	19320
410-6533-15	MW-3-20200701	Total/NA	Ground Water	8270D	19320
410-6533-16	MW-13S-20200701	Total/NA	Ground Water	8270D	19320
410-6533-17	MW-13D-20200701	Total/NA	Ground Water	8270D	19320
410-6533-18	MW-12S-20200701	Total/NA	Ground Water	8270D	19320
410-6533-19	MW-12D-20200701	Total/NA	Ground Water	8270D	19320
MB 410-19320/1-A	Method Blank	Total/NA	Water	8270D	19320
LCS 410-19320/2-A	Lab Control Sample	Total/NA	Water	8270D	19320
LCSD 410-19320/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	19320

Analysis Batch: 19744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-20	DUP-20200701	Total/NA	Ground Water	8270D	19320

Analysis Batch: 20598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-1	MW-1-20200629	Total/NA	Ground Water	8270D	19318
410-6533-2	MW-10S-20200629	Total/NA	Ground Water	8270D	19318
410-6533-3	MW-10D-20200629	Total/NA	Ground Water	8270D	19318
410-6533-4	MW-8S-20200629	Total/NA	Ground Water	8270D	19318
410-6533-5	MW-8D-20200630	Total/NA	Ground Water	8270D	19318
410-6533-16 - DL	MW-13S-20200701	Total/NA	Ground Water	8270D	19320
MB 410-19318/1-A	Method Blank	Total/NA	Water	8270D	19318
LCS 410-19318/2-A	Lab Control Sample	Total/NA	Water	8270D	19318

QC Association Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

GC/MS Semi VOA (Continued)

Analysis Batch: 20598 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-3 MS	MW-10D-20200629	Total/NA	Ground Water	8270D	19318
410-6533-3 MSD	MW-10D-20200629	Total/NA	Ground Water	8270D	19318

Analysis Batch: 20766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-6	MW-11S-20200630	Total/NA	Ground Water	8270D	19318
410-6533-7	MW-11D-20200630	Total/NA	Ground Water	8270D	19318
410-6533-8	MW-7S-20200630	Total/NA	Ground Water	8270D	19318
410-6533-9	MW-7D-20200630	Total/NA	Ground Water	8270D	19318
410-6533-10	MW-14S-20200630	Total/NA	Ground Water	8270D	19318

Analysis Batch: 21270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-6533-11	FB-20200630	Total/NA	Water	8270D	19318
410-6533-12	MW-14D-20200630	Total/NA	Ground Water	8270D	19318

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-1-20200629

Lab Sample ID: 410-6533-1

Date Collected: 06/29/20 12:02

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	708036	07/14/20 02:24	MZS	TAL EDI
Total/NA	Analysis	8260C		5	707433	07/11/20 04:43	KLB	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20598	07/09/20 04:21	W6XI	ELLE

Client Sample ID: MW-10S-20200629

Lab Sample ID: 410-6533-2

Date Collected: 06/29/20 14:08

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 15:26	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20598	07/09/20 04:49	W6XI	ELLE

Client Sample ID: MW-10D-20200629

Lab Sample ID: 410-6533-3

Date Collected: 06/29/20 14:46

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 13:10	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20598	07/09/20 05:18	W6XI	ELLE

Client Sample ID: MW-8S-20200629

Lab Sample ID: 410-6533-4

Date Collected: 06/29/20 15:48

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707433	07/11/20 00:26	KLB	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20598	07/09/20 06:43	W6XI	ELLE

Client Sample ID: MW-8D-20200630

Lab Sample ID: 410-6533-5

Date Collected: 06/30/20 07:56

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 16:11	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20598	07/09/20 07:11	W6XI	ELLE

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-11S-20200630

Lab Sample ID: 410-6533-6

Date Collected: 06/30/20 08:51

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 16:34	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20766	07/09/20 14:02	ULM3	ELLE

Client Sample ID: MW-11D-20200630

Lab Sample ID: 410-6533-7

Date Collected: 06/30/20 09:28

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 16:56	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20766	07/09/20 14:31	ULM3	ELLE

Client Sample ID: MW-7S-20200630

Lab Sample ID: 410-6533-8

Date Collected: 06/30/20 10:24

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 17:19	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20766	07/09/20 15:00	ULM3	ELLE

Client Sample ID: MW-7D-20200630

Lab Sample ID: 410-6533-9

Date Collected: 06/30/20 11:03

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 17:41	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20766	07/09/20 15:28	ULM3	ELLE

Client Sample ID: MW-14S-20200630

Lab Sample ID: 410-6533-10

Date Collected: 06/30/20 12:50

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 18:04	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	20766	07/09/20 15:57	ULM3	ELLE

Client Sample ID: FB-20200630

Lab Sample ID: 410-6533-11

Date Collected: 06/30/20 13:05

Matrix: Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 12:47	AMS	TAL EDI

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: FB-20200630

Lab Sample ID: 410-6533-11

Date Collected: 06/30/20 13:05

Matrix: Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	21270	07/10/20 17:53	W6XI	ELLE

Client Sample ID: MW-14D-20200630

Lab Sample ID: 410-6533-12

Date Collected: 06/30/20 13:54

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 18:27	AMS	TAL EDI
Total/NA	Prep	3510C			19318	07/04/20 07:23	UKQ8	ELLE
Total/NA	Analysis	8270D		1	21270	07/10/20 18:21	W6XI	ELLE

Client Sample ID: MW-4S-20200701

Lab Sample ID: 410-6533-13

Date Collected: 07/01/20 07:59

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 18:49	AMS	TAL EDI
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19473	07/06/20 15:19	WKV3	ELLE

Client Sample ID: MW-4D-20200701

Lab Sample ID: 410-6533-14

Date Collected: 07/01/20 08:36

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 19:12	AMS	TAL EDI
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19473	07/06/20 15:49	WKV3	ELLE

Client Sample ID: MW-3-20200701

Lab Sample ID: 410-6533-15

Date Collected: 07/01/20 09:18

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 19:34	AMS	TAL EDI
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19473	07/06/20 16:18	WKV3	ELLE

Client Sample ID: MW-13S-20200701

Lab Sample ID: 410-6533-16

Date Collected: 07/01/20 10:20

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707433	07/11/20 00:03	KLB	TAL EDI

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: MW-13S-20200701

Lab Sample ID: 410-6533-16

Date Collected: 07/01/20 10:20

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19473	07/06/20 16:48	WKV3	ELLE
Total/NA	Prep	3510C	DL		19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D	DL	5	20598	07/09/20 00:34	W6XI	ELLE

Client Sample ID: MW-13D-20200701

Lab Sample ID: 410-6533-17

Date Collected: 07/01/20 11:10

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707433	07/11/20 03:13	KLB	TAL EDI
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19473	07/06/20 17:18	WKV3	ELLE

Client Sample ID: MW-12S-20200701

Lab Sample ID: 410-6533-18

Date Collected: 07/01/20 12:40

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707433	07/11/20 03:35	KLB	TAL EDI
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19473	07/06/20 17:47	WKV3	ELLE

Client Sample ID: MW-12D-20200701

Lab Sample ID: 410-6533-19

Date Collected: 07/01/20 13:17

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707433	07/11/20 03:58	KLB	TAL EDI
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19473	07/06/20 18:16	WKV3	ELLE

Client Sample ID: DUP-20200701

Lab Sample ID: 410-6533-20

Date Collected: 07/01/20 00:00

Matrix: Ground Water

Date Received: 07/02/20 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707433	07/11/20 04:21	KLB	TAL EDI
Total/NA	Prep	3510C			19320	07/04/20 07:28	UKQ8	ELLE
Total/NA	Analysis	8270D		1	19744	07/06/20 23:48	W6XI	ELLE

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Client Sample ID: TB-20200630
Date Collected: 06/30/20 00:00
Date Received: 07/02/20 10:31

Lab Sample ID: 410-6533-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	707280	07/10/20 12:25	AMS	TAL EDI

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300
TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-20
Alaska	State	PA00009	06-30-21
Alaska (UST)	State	17-027	01-31-21
Arizona	State	AZ0780	03-12-21
Arkansas DEQ	State	19-053-0	08-08-20
California	State	2792	01-31-21
Colorado	State	PA00009	06-30-21
Connecticut	State	PH-0746	12-26-20
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	10-31-20
Delaware (DW)	State	N/A	10-31-20
Florida	NELAP	E87997	06-30-21
Hawaii	State	N/A	01-31-21
Illinois	NELAP	004559	01-31-21
Kansas	NELAP	E-10151	10-31-20
Kentucky (DW)	State	KY90088	12-31-20
Kentucky (UST)	State	1.01	11-30-20
Kentucky (WW)	State	KY90088	12-31-20
Louisiana	NELAP	02055	06-30-21
Maine	State	2019012	03-12-21
Maryland	State	100	09-30-20
Massachusetts	State	M-PA009	06-30-21
Michigan	State	9930	01-31-21
Missouri	State	450	01-31-22
Montana (DW)	State	0098	12-31-20
Nebraska	State	NE-OS-32-17	01-31-20 *
Nevada	State	PA000092019-3	07-31-20
New Hampshire	NELAP	273019	01-10-21
New Jersey	NELAP	PA011	06-30-21
New York	NELAP	10670	04-01-21
North Carolina (DW)	State	42705	07-31-20
North Carolina (WW/SW)	State	521	12-31-20
North Dakota	State	R-205	01-31-20 *
Oklahoma	NELAP	R-205	02-01-21
Oregon	NELAP	PA200001-015	09-11-20
PALA	Canada	1978	05-08-21
Pennsylvania	NELAP	36-00037	01-31-21
Rhode Island	State	LAO00338	12-30-20
South Carolina	State	89002002	01-31-21
Tennessee	State	02838	01-31-21
Texas	NELAP	T104704194-20-37	08-31-20
Utah	NELAP	PA000092019-16	02-28-21
Vermont	State	VT - 36037	10-28-20
Virginia	NELAP	10561	06-14-21
Washington	State	C457	04-11-21
West Virginia (DW)	State	9906 C	12-31-20
West Virginia DEP	State	055	09-30-20
Wyoming	State	8TMS-L	01-07-21
Wyoming (UST)	A2LA	1.01	11-30-20

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

Eurofins Lancaster Laboratories Env, LLC

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-6533-1

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert No.>	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	04-01-21
Pennsylvania	NELAP	68-00522	02-28-21
Rhode Island	State	LAO00132	12-31-20
USDA	US Federal Programs	P330-18-00135	05-03-21

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 410-6533-1

SDG No.: _____

Matrix: Water

Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-1-20200629	410-6533-1	90	92	100	97
MW-1-20200629 RA	410-6533-1 RA	90	110	103	93
MW-10S-20200629	410-6533-2	91	90	96	95
MW-10D-20200629	410-6533-3	95	93	99	95
MW-8S-20200629	410-6533-4	95	94	102	101
MW-8D-20200630	410-6533-5	95	95	103	98
MW-11S-20200630	410-6533-6	89	90	94	92
MW-11D-20200630	410-6533-7	93	91	97	96
MW-7S-20200630	410-6533-8	83	84	87	84
MW-7D-20200630	410-6533-9	91	90	97	93
MW-14S-20200630	410-6533-10	96	95	100	97
FB-20200630	410-6533-11	92	90	98	96
MW-14D-20200630	410-6533-12	92	93	100	96
MW-4S-20200701	410-6533-13	80	79	81	78
MW-4D-20200701	410-6533-14	94	95	100	94
MW-3-20200701	410-6533-15	97	96	102	99
MW-13S-20200701	410-6533-16	96	95	103	103
MW-13D-20200701	410-6533-17	97	98	105	101
MW-12S-20200701	410-6533-18	79	76	83	80
MW-12D-20200701	410-6533-19	93	93	100	97
DUP-20200701	410-6533-20	93	95	100	101
TB-20200630	410-6533-21	97	95	104	100
	MB 460-707280/10	78	78	85	83
	MB 460-707433/9	95	93	100	97
	MB 460-708036/10	91	112	102	96
	LCS 460-707280/5	92	91	101	100
	LCS 460-707433/4	91	88	100	98
	LCS 460-708036/5	101	128	117	103
	LCSD 460-707433/5	92	90	101	99
	LCSD 460-708036/6	91	112	102	87
MW-10D-20200629 MS	410-6533-3 MS	90	90	100	100
MW-10D-20200629 MSD	410-6533-3 MSD	93	93	105	102

QC LIMITS

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

77-124
75-123
80-120
76-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N21609.D
Lab ID: LCS 460-707280/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	20.0	21.5	107	78-126	
Ethylbenzene	20.0	18.9	95	78-120	
Methyl tertiary butyl ether	20.0	19.2	96	65-131	
Toluene	20.0	19.9	99	78-119	
Xylenes, Total	40.0	38.2	96	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N21640.D
Lab ID: LCS 460-707433/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	20.0	22.8	114	78-126	
Ethylbenzene	20.0	19.7	99	78-120	
Methyl tertiary butyl ether	20.0	20.8	104	65-131	
Toluene	20.0	20.5	103	78-119	
Xylenes, Total	40.0	39.6	99	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A91145.D
Lab ID: LCS 460-708036/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	20.0	23.9	120	78-126	
Ethylbenzene	20.0	21.2	106	78-120	
Methyl tertiary butyl ether	20.0	25.6	128	65-131	
Toluene	20.0	23.6	118	78-119	
Xylenes, Total	40.0	43.6	109	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N21641.D
 Lab ID: LCSD 460-707433/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	20.0	21.6	108	6	30	78-126	
Ethylbenzene	20.0	19.1	96	3	30	78-120	
Methyl tertiary butyl ether	20.0	19.9	99	4	30	65-131	
Toluene	20.0	19.8	99	3	30	78-119	
Xylenes, Total	40.0	38.0	95	4	30	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A91146.D
 Lab ID: LCSD 460-708036/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	20.0	24.4	122	2	30	78-126	
Ethylbenzene	20.0	20.8	104	2	30	78-120	
Methyl tertiary butyl ether	20.0	24.6	123	4	30	65-131	
Toluene	20.0	23.2	116	2	30	78-119	
Xylenes, Total	40.0	43.9	110	1	30	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N21620.D
Lab ID: 410-6533-3 MS Client ID: MW-10D-20200629 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	20.0	ND	19.6	98	78-126	
Ethylbenzene	20.0	ND	17.5	88	78-120	
Methyl tertiary butyl ether	20.0	ND	17.7	89	65-131	
Toluene	20.0	ND	18.0	90	78-119	
Xylenes, Total	40.0	ND	34.0	85	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N21621.D
 Lab ID: 410-6533-3 MSD Client ID: MW-10D-20200629 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	20.0	21.0	105	7	30	78-126	
Ethylbenzene	20.0	18.2	91	4	30	78-120	
Methyl tertiary butyl ether	20.0	19.6	98	10	30	65-131	
Toluene	20.0	18.9	94	5	30	78-119	
Xylenes, Total	40.0	36.7	92	8	30	78-122	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab File ID: N21614.D Lab Sample ID: MB 460-707280/10
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: CVOAMS11 Date Analyzed: 07/10/2020 12:02
 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 460-707280/5	N21609.D	07/10/2020 10:09
TB-20200630	410-6533-21	N21615.D	07/10/2020 12:25
FB-20200630	410-6533-11	N21616.D	07/10/2020 12:47
MW-10D-20200629	410-6533-3	N21617.D	07/10/2020 13:10
MW-10D-20200629 MS	410-6533-3 MS	N21620.D	07/10/2020 14:18
MW-10D-20200629 MSD	410-6533-3 MSD	N21621.D	07/10/2020 14:41
MW-10S-20200629	410-6533-2	N21623.D	07/10/2020 15:26
MW-8D-20200630	410-6533-5	N21625.D	07/10/2020 16:11
MW-11S-20200630	410-6533-6	N21626.D	07/10/2020 16:34
MW-11D-20200630	410-6533-7	N21627.D	07/10/2020 16:56
MW-7S-20200630	410-6533-8	N21628.D	07/10/2020 17:19
MW-7D-20200630	410-6533-9	N21629.D	07/10/2020 17:41
MW-14S-20200630	410-6533-10	N21630.D	07/10/2020 18:04
MW-14D-20200630	410-6533-12	N21631.D	07/10/2020 18:27
MW-4S-20200701	410-6533-13	N21632.D	07/10/2020 18:49
MW-4D-20200701	410-6533-14	N21633.D	07/10/2020 19:12
MW-3-20200701	410-6533-15	N21634.D	07/10/2020 19:34

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab File ID: N21645.D Lab Sample ID: MB 460-707433/9
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: CVOAMS11 Date Analyzed: 07/10/2020 23:13
 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 460-707433/4	N21640.D	07/10/2020 21:19
	LCSD 460-707433/5	N21641.D	07/10/2020 21:42
MW-13S-20200701	410-6533-16	N21647.D	07/11/2020 00:03
MW-8S-20200629	410-6533-4	N21648.D	07/11/2020 00:26
MW-13D-20200701	410-6533-17	N21649.D	07/11/2020 03:13
MW-12S-20200701	410-6533-18	N21650.D	07/11/2020 03:35
MW-12D-20200701	410-6533-19	N21651.D	07/11/2020 03:58
DUP-20200701	410-6533-20	N21652.D	07/11/2020 04:21
MW-1-20200629	410-6533-1	N21653.D	07/11/2020 04:43

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Lab File ID: A91150.D Lab Sample ID: MB 460-708036/10
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS1 Date Analyzed: 07/14/2020 01:36
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 460-708036/5	A91145.D	07/13/2020 23:37
	LCSD 460-708036/6	A91146.D	07/14/2020 00:01
MW-1-20200629 RA	410-6533-1 RA	A91152.D	07/14/2020 02:24

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab File ID: A89501.D BFB Injection Date: 06/11/2020
 Instrument ID: CVOAMS1 BFB Injection Time: 01:12
 Analysis Batch No.: 700493

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.3
75	30.0 - 60.0 % of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.9 (1.1) 1
174	50.0 - 120.00 % of mass 95	80.2
175	5.0 - 9.0 % of mass 174	5.4 (6.7) 1
176	95.0 - 101.0 % of mass 174	77.4 (96.5) 1
177	5.0 - 9.0 % of mass 176	4.9 (6.4) 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
	STD7 460-700493/3	A89503.D	06/11/2020	2:04
	STD1 460-700493/4	A89504.D	06/11/2020	2:28
	STD5 460-700493/5	A89505.D	06/11/2020	2:52
	STD20 460-700493/6	A89506.D	06/11/2020	3:15
	STD50 460-700493/7	A89507.D	06/11/2020	3:39
	STD200 460-700493/8	A89508.D	06/11/2020	4:02
	STD500 460-700493/9	A89509.D	06/11/2020	4:26

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab File ID: A91141.D BFB Injection Date: 07/13/2020
 Instrument ID: CVOAMS1 BFB Injection Time: 21:58
 Analysis Batch No.: 708036

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.3
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	6.9
173	Less than 2.0 % of mass 174	0.2 (0.3) 1
174	50.0 - 120.00 % of mass 95	72.1
175	5.0 - 9.0 % of mass 174	4.8 (6.7) 1
176	95.0 - 101.0 % of mass 174	72.5 (100.6) 1
177	5.0 - 9.0 % of mass 176	3.9 (5.4) 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 460-708036/4	A91144.D	07/13/2020	23:13
	LCS 460-708036/5	A91145.D	07/13/2020	23:37
	LCSD 460-708036/6	A91146.D	07/14/2020	0:01
	MB 460-708036/10	A91150.D	07/14/2020	1:36
MW-1-20200629 RA	410-6533-1 RA	A91152.D	07/14/2020	2:24

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab File ID: N18999.D BFB Injection Date: 05/13/2020
 Instrument ID: CVOAMS11 BFB Injection Time: 14:11
 Analysis Batch No.: 694173

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.6
75	30.0 - 60.0 % of mass 95	54.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	64.3
175	5.0 - 9.0 % of mass 174	5.2 (8.1) 1
176	95.0 - 101.0 % of mass 174	63.2 (98.2) 1
177	5.0 - 9.0 % of mass 176	5.0 (8.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-694173/3	N19001.D	05/13/2020	14:57
	STD1 460-694173/4	N19002.D	05/13/2020	15:22
	STD5 460-694173/5	N19003.D	05/13/2020	15:45
	STD20 460-694173/6	N19004.D	05/13/2020	16:08
	STD50 460-694173/7	N19005.D	05/13/2020	16:30
	STD200 460-694173/8	N19006.D	05/13/2020	16:53
	STD500 460-694173/9	N19007.D	05/13/2020	17:15

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Lab File ID: N21605.D BFB Injection Date: 07/10/2020
Instrument ID: CVOAMS11 BFB Injection Time: 07:48
Analysis Batch No.: 707280

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	50.5
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	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	95.5
175	5.0 - 9.0 % of mass 174	7.5 (7.9) 1
176	95.0 - 101.0 % of mass 174	92.1 (96.4) 1
177	5.0 - 9.0 % of mass 176	6.6 (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 460-707280/4	N21608.D	07/10/2020	9:46
	LCS 460-707280/5	N21609.D	07/10/2020	10:09
	MB 460-707280/10	N21614.D	07/10/2020	12:02
TB-20200630	410-6533-21	N21615.D	07/10/2020	12:25
FB-20200630	410-6533-11	N21616.D	07/10/2020	12:47
MW-10D-20200629	410-6533-3	N21617.D	07/10/2020	13:10
MW-10D-20200629 MS	410-6533-3 MS	N21620.D	07/10/2020	14:18
MW-10D-20200629 MSD	410-6533-3 MSD	N21621.D	07/10/2020	14:41
MW-10S-20200629	410-6533-2	N21623.D	07/10/2020	15:26
MW-8D-20200630	410-6533-5	N21625.D	07/10/2020	16:11
MW-11S-20200630	410-6533-6	N21626.D	07/10/2020	16:34
MW-11D-20200630	410-6533-7	N21627.D	07/10/2020	16:56
MW-7S-20200630	410-6533-8	N21628.D	07/10/2020	17:19
MW-7D-20200630	410-6533-9	N21629.D	07/10/2020	17:41
MW-14S-20200630	410-6533-10	N21630.D	07/10/2020	18:04
MW-14D-20200630	410-6533-12	N21631.D	07/10/2020	18:27
MW-4S-20200701	410-6533-13	N21632.D	07/10/2020	18:49
MW-4D-20200701	410-6533-14	N21633.D	07/10/2020	19:12
MW-3-20200701	410-6533-15	N21634.D	07/10/2020	19:34

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Lab File ID: N21637.D BFB Injection Date: 07/10/2020
Instrument ID: CVOAMS11 BFB Injection Time: 20:13
Analysis Batch No.: 707433

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.5
75	30.0 - 60.0 % of mass 95	48.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	91.5
175	5.0 - 9.0 % of mass 174	8.2 (9.0) 1
176	95.0 - 101.0 % of mass 174	89.9 (98.2) 1
177	5.0 - 9.0 % of mass 176	6.3 (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 460-707433/3	N21639.D	07/10/2020	20:57
	LCS 460-707433/4	N21640.D	07/10/2020	21:19
	LCSD 460-707433/5	N21641.D	07/10/2020	21:42
	MB 460-707433/9	N21645.D	07/10/2020	23:13
MW-13S-20200701	410-6533-16	N21647.D	07/11/2020	0:03
MW-8S-20200629	410-6533-4	N21648.D	07/11/2020	0:26
MW-13D-20200701	410-6533-17	N21649.D	07/11/2020	3:13
MW-12S-20200701	410-6533-18	N21650.D	07/11/2020	3:35
MW-12D-20200701	410-6533-19	N21651.D	07/11/2020	3:58
DUP-20200701	410-6533-20	N21652.D	07/11/2020	4:21
MW-1-20200629	410-6533-1	N21653.D	07/11/2020	4:43

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 460-708036/4 Date Analyzed: 07/13/2020 23:13
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A91144.D Heated Purge: (Y/N) N
 Calibration ID: 80662

	TBA _d 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	222766	3.67	290367	4.67	444310	5.56	
UPPER LIMIT	445532	4.17	580734	5.17	888620	6.06	
LOWER LIMIT	111383	3.17	145184	4.17	222155	5.06	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-708036/5		238485	3.67	282706	4.66	418617	5.56
LCSD 460-708036/6		243484	3.67	300325	4.67	454488	5.56
MB 460-708036/10		220548	3.67	234185	4.66	377540	5.56
410-6533-1 RA	MW-1-20200629 RA	243778	3.67	277949	4.66	417757	5.56

TBA_d9 = 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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 460-708036/4 Date Analyzed: 07/13/2020 23:13
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A91144.D Heated Purge: (Y/N) N
 Calibration ID: 80662

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	25764	6.14	286930	8.01	154528	9.37	
UPPER LIMIT	51528	6.64	573860	8.51	309056	9.87	
LOWER LIMIT	12882	5.64	143465	7.51	77264	8.87	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-708036/5		25062	6.13	275587	8.01	147043	9.38
LCSD 460-708036/6		25372	6.13	290762	8.01	149519	9.38
MB 460-708036/10		24467	6.13	249922	8.01	140024	9.38
410-6533-1 RA	MW-1-20200629 RA	24984	6.13	268274	8.01	148323	9.37

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 460-707280/4 Date Analyzed: 07/10/2020 09:46
 Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): N21608.D Heated Purge: (Y/N) N
 Calibration ID: 79949

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		39481	2.94	349807	3.96	499667	5.03
UPPER LIMIT		78962	3.44	699614	4.46	999334	5.53
LOWER LIMIT		19741	2.44	174904	3.46	249834	4.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-707280/5		43184	2.94	365844	3.97	507933	5.04
MB 460-707280/10		40341	2.93	364845	3.97	483714	5.04
410-6533-21	TB-20200630	38716	2.93	341217	3.96	471048	5.03
410-6533-11	FB-20200630	38634	2.95	348192	3.97	478844	5.04
410-6533-3	MW-10D-20200629	38424	2.94	346028	3.96	458364	5.03
410-6533-3 MS	MW-10D-20200629 MS	44183	2.94	385167	3.97	484831	5.04
410-6533-3 MSD	MW-10D-20200629 MSD	49867	2.94	426923	3.96	488234	5.03
410-6533-2	MW-10S-20200629	40933	2.94	360077	3.97	472285	5.04
410-6533-5	MW-8D-20200630	40882	2.93	348512	3.96	465222	5.03
410-6533-6	MW-11S-20200630	47060	2.93	412889	3.97	464735	5.04
410-6533-7	MW-11D-20200630	38413	2.93	351513	3.97	472507	5.03
410-6533-8	MW-7S-20200630	42263	2.93	363293	3.96	447591	5.03
410-6533-9	MW-7D-20200630	41015	2.94	363582	3.96	460261	5.03
410-6533-10	MW-14S-20200630	40909	2.93	364018	3.96	461835	5.03
410-6533-12	MW-14D-20200630	43698	2.94	384932	3.97	471262	5.04
410-6533-13	MW-4S-20200701	45703	2.93	393546	3.96	467444	5.03
410-6533-14	MW-4D-20200701	40995	2.94	360789	3.96	453582	5.03
410-6533-15	MW-3-20200701	45508	2.94	385365	3.97	467818	5.04

TBAd9 = TBA-d9 (IS)
 BUT = 2-Butanone-d5
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 460-707280/4 Date Analyzed: 07/10/2020 09:46
 Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): N21608.D Heated Purge: (Y/N) N
 Calibration ID: 79949

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		28669	5.72	343216	8.43	192869	11.05
UPPER LIMIT		57338	6.22	686432	8.93	385738	11.55
LOWER LIMIT		14335	5.22	171608	7.93	96435	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-707280/5		31020	5.72	349879	8.44	192784	11.05
MB 460-707280/10		26810	5.72	326449	8.43	180009	11.05
410-6533-21	TB-20200630	25196	5.72	314543	8.43	172894	11.05
410-6533-11	FB-20200630	26225	5.72	320808	8.43	180218	11.05
410-6533-3	MW-10D-20200629	25282	5.72	309569	8.44	168926	11.05
410-6533-3 MS	MW-10D-20200629 MS	30269	5.72	336119	8.44	183619	11.05
410-6533-3 MSD	MW-10D-20200629 MSD	34244	5.72	331896	8.43	182647	11.05
410-6533-2	MW-10S-20200629	26992	5.72	318581	8.44	174426	11.05
410-6533-5	MW-8D-20200630	26769	5.72	306801	8.44	170941	11.05
410-6533-6	MW-11S-20200630	30968	5.72	314195	8.44	171139	11.05
410-6533-7	MW-11D-20200630	26155	5.72	318340	8.44	176174	11.05
410-6533-8	MW-7S-20200630	27394	5.72	296454	8.44	165880	11.05
410-6533-9	MW-7D-20200630	27116	5.72	306714	8.43	165687	11.05
410-6533-10	MW-14S-20200630	27703	5.72	307648	8.44	166655	11.05
410-6533-12	MW-14D-20200630	28758	5.72	311318	8.44	170022	11.05
410-6533-13	MW-4S-20200701	30177	5.72	308778	8.44	169699	11.05
410-6533-14	MW-4D-20200701	27136	5.72	300627	8.43	167410	11.05
410-6533-15	MW-3-20200701	29453	5.72	309502	8.43	174002	11.05

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 460-707433/3 Date Analyzed: 07/10/2020 20:57
 Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): N21639.D Heated Purge: (Y/N) N
 Calibration ID: 79949

	TBAd9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	44785	2.95	381683	3.97	484863	5.04	
UPPER LIMIT	89570	3.45	763366	4.47	969726	5.54	
LOWER LIMIT	22393	2.45	190842	3.47	242432	4.54	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-707433/4		46256	2.94	388235	3.97	494263	5.03
LCSD 460-707433/5		45193	2.95	385632	3.97	498791	5.04
MB 460-707433/9		45261	2.93	383120	3.96	478464	5.03
410-6533-16	MW-13S-20200701	43316	2.94	376882	3.97	477970	5.03
410-6533-4	MW-8S-20200629	48170	2.94	418895	3.97	508300	5.04
410-6533-17	MW-13D-20200701	44250	2.93	390547	3.96	481709	5.03
410-6533-18	MW-12S-20200701	43459	2.94	392024	3.97	480833	5.03
410-6533-19	MW-12D-20200701	41997	2.93	366052	3.96	463225	5.03
410-6533-20	DUP-20200701	48315	2.94	402358	3.97	486719	5.04
410-6533-1	MW-1-20200629	49158	2.94	415391	3.97	499322	5.04

TBAd9 = TBA-d9 (IS)
 BUT = 2-Butanone-d5
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 460-707433/3 Date Analyzed: 07/10/2020 20:57
 Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): N21639.D Heated Purge: (Y/N) N
 Calibration ID: 79949

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		30393	5.72	333657	8.43	185525	11.05
UPPER LIMIT		60786	6.22	667314	8.93	371050	11.55
LOWER LIMIT		15197	5.22	166829	7.93	92763	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-707433/4		31996	5.72	337253	8.44	190354	11.05
LCSD 460-707433/5		30863	5.72	342946	8.44	190246	11.05
MB 460-707433/9		27215	5.72	319120	8.44	174849	11.05
410-6533-16	MW-13S-20200701	27075	5.72	317087	8.43	177957	11.05
410-6533-4	MW-8S-20200629	28824	5.72	337743	8.44	184007	11.05
410-6533-17	MW-13D-20200701	30176	5.72	315128	8.43	175478	11.05
410-6533-18	MW-12S-20200701	28669	5.72	316247	8.44	174798	11.05
410-6533-19	MW-12D-20200701	26867	5.72	307471	8.43	167887	11.05
410-6533-20	DUP-20200701	30061	5.72	323455	8.44	180078	11.05
410-6533-1	MW-1-20200629	31541	5.72	329813	8.44	182737	11.05

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-1-20200629 RA Lab Sample ID: 410-6533-1 RA
 Matrix: Ground Water Lab File ID: A91152.D
 Analysis Method: 8260C Date Collected: 06/29/2020 12:02
 Sample wt/vol: 5 (mL) Date Analyzed: 07/14/2020 02:24
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 708036 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	<i>Benzene</i>	ND	H	1.0	0.20
100-41-4	<i>Ethylbenzene</i>	ND	H	1.0	0.30
1634-04-4	<i>Methyl tertiary butyl ether</i>	ND	H	1.0	0.47
108-88-3	<i>Toluene</i>	ND	H	1.0	0.38
1330-20-7	<i>Xylenes, Total</i>	ND	H	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-123
1868-53-7	Dibromofluoromethane (Surr)	90		77-124
2037-26-5	Toluene-d8 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene	93		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91152.D
 Lims ID: 410-6533-B-1
 Client ID: MW-1-20200629
 Sample Type: Client
 Inject. Date: 14-Jul-2020 02:24:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-1
 Misc. Info.: 460-0113190-012
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-Jul-2020 02:39:18 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1002

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.672	3.666	0.006	33	243778	1000.0	
* 42 2-Butanone-d5	46	4.659	4.665	-0.006	85	277949	250.0	
\$ 54 Dibromofluoromethane (Surr)	113	5.061	5.062	-0.001	96	87187	44.8	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.348	0.000	37	121906	54.9	
* 66 Fluorobenzene	96	5.561	5.562	-0.001	98	417757	50.0	
* 72 1,4-Dioxane-d8	96	6.134	6.135	-0.001	21	24984	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	98	349410	51.6	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	89	268274	50.0	
\$ 105 4-Bromofluorobenzene	174	8.719	8.720	-0.001	82	91551	46.7	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	98	148323	50.0	

Reagents:

8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91152.D

Injection Date: 14-Jul-2020 02:24:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: 410-6533-B-1

Lab Sample ID: 460-6533-1

Worklist Smp#: 12

Client ID: MW-1-20200629

Purge Vol: 5.000 mL

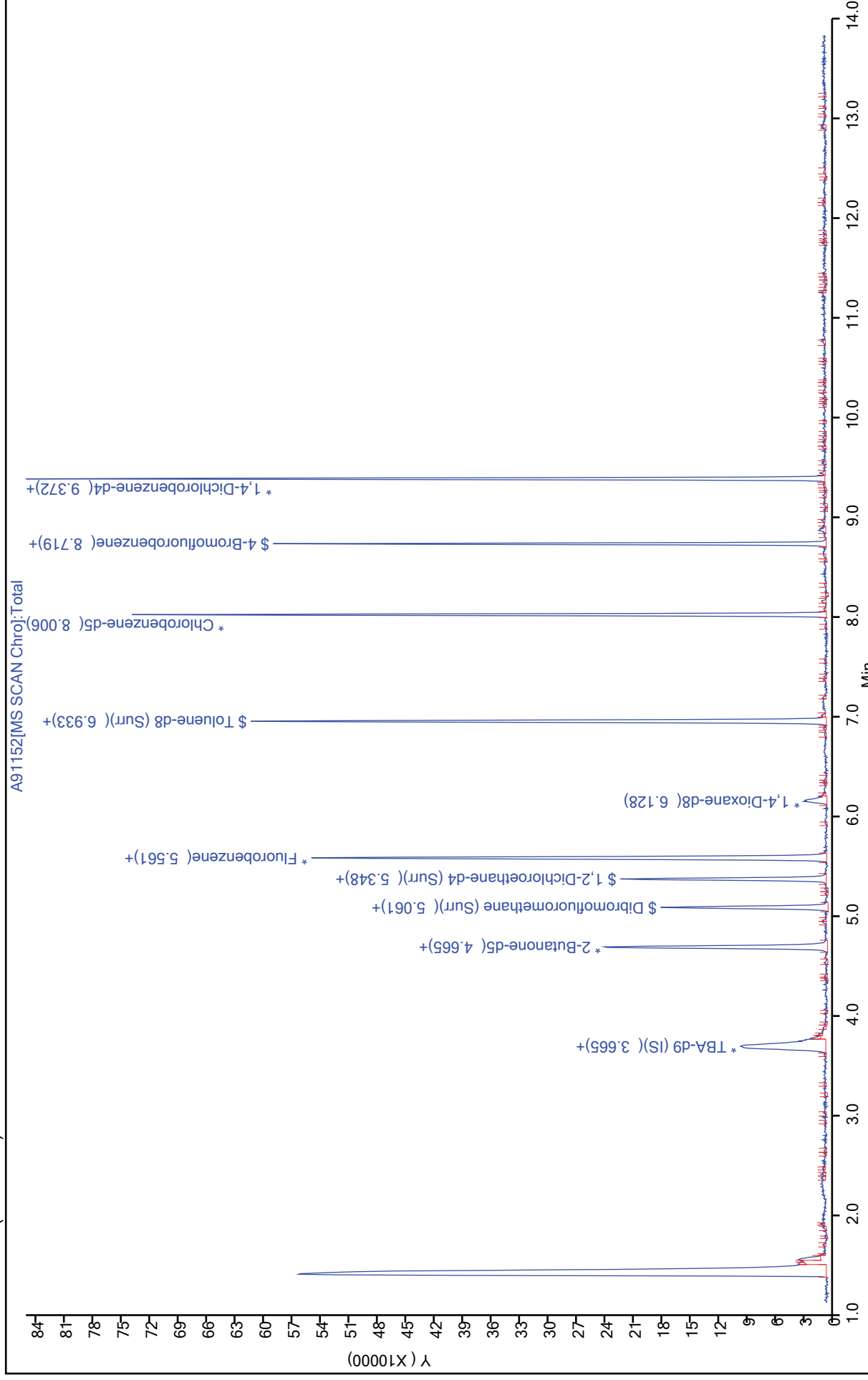
Dil. Factor: 1.0000

ALS Bottle#: 11

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: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-1-20200629 Lab Sample ID: 410-6533-1
 Matrix: Ground Water Lab File ID: N21653.D
 Analysis Method: 8260C Date Collected: 06/29/2020 12:02
 Sample wt/vol: 5 (mL) Date Analyzed: 07/11/2020 04:43
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		5.0	1.0
100-41-4	Ethylbenzene	ND		5.0	1.5
1634-04-4	Methyl tertiary butyl ether	ND		5.0	2.3
108-88-3	Toluene	ND		5.0	1.9
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		75-123
1868-53-7	Dibromofluoromethane (Surr)	90		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	97		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21653.D
 Lims ID: 410-6533-A-1
 Client ID: MW-1-20200629
 Sample Type: Client
 Inject. Date: 11-Jul-2020 04:43:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 410-6533-A-1
 Misc. Info.: 460-0113046-017
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 21:06:22 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1054

First Level Reviewer: boykink

Date: 12-Jul-2020 12:35:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.941	2.940	0.001	68	49158	1000.0	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	95	415391	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	96	102513	45.0	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	84	126294	45.8	
* 67 Fluorobenzene	96	5.040	5.033	0.007	98	499322	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	31541	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	395846	50.0	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	329813	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	91	119771	48.5	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	182737	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21653.D

Injection Date: 11-Jul-2020 04:43:30

Instrument ID: CVOAMS11

Operator ID: 17

Lims ID: 410-6533-A-1

Lab Sample ID: 460-6533-1

Worklist Smp#: 17

Client ID: MW-1-20200629

Purge Vol: 5.000 mL

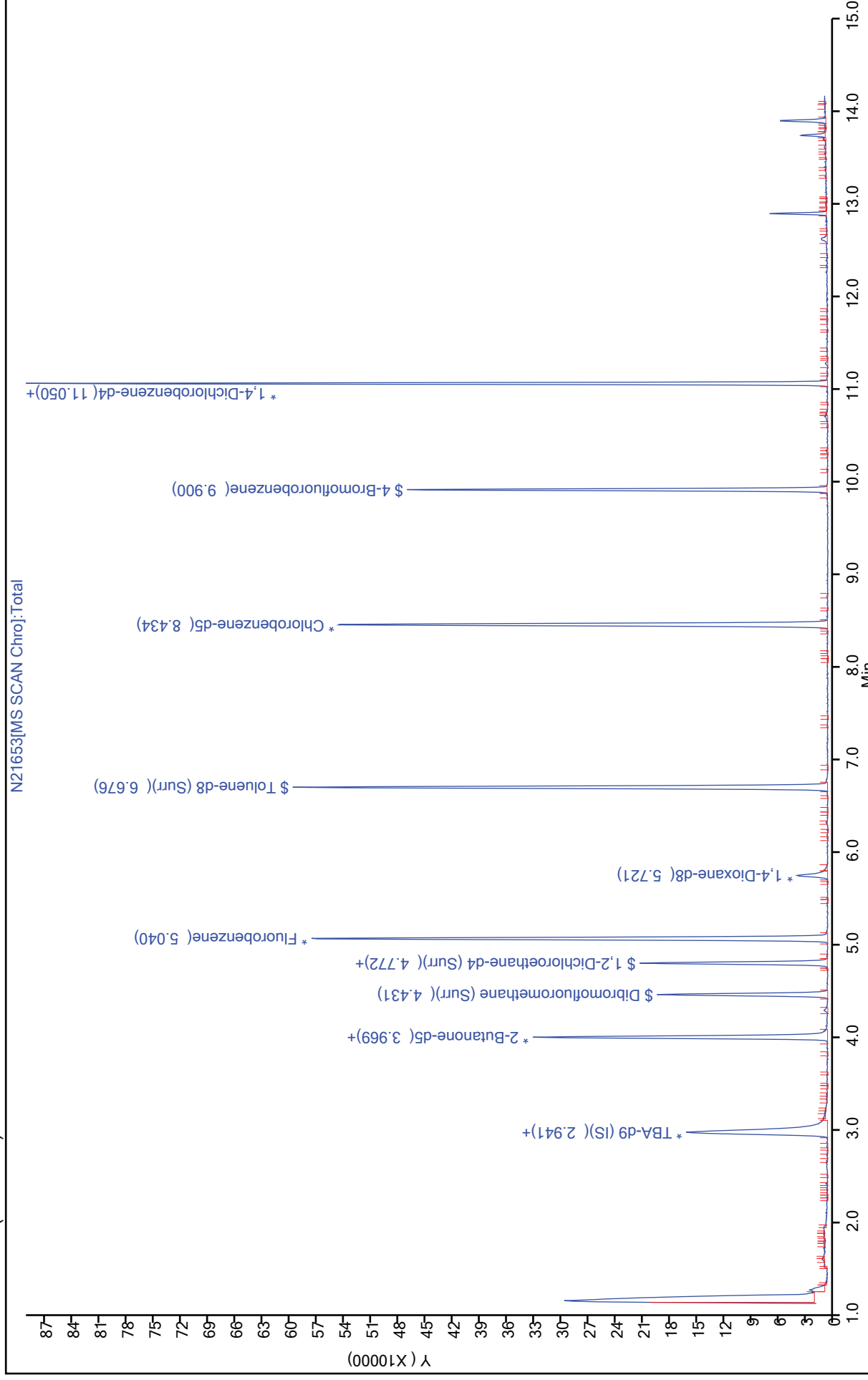
Dil. Factor: 5.0000

ALS Bottle#: 16

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-10S-20200629 Lab Sample ID: 410-6533-2
 Matrix: Ground Water Lab File ID: N21623.D
 Analysis Method: 8260C Date Collected: 06/29/2020 14:08
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 15:26
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
1868-53-7	Dibromofluoromethane (Surr)	91		77-124
2037-26-5	Toluene-d8 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene	95		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21623.D
 Lims ID: 410-6533-A-2
 Client ID: MW-10S-20200629
 Sample Type: Client
 Inject. Date: 10-Jul-2020 15:26:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-2
 Misc. Info.: 460-0113014-019
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: xuyvo

Date: 11-Jul-2020 12:24:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.935	2.941	-0.006	67	40933	1000.0	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	95	360077	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	96	97943	45.5	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	117041	44.9	
* 67 Fluorobenzene	96	5.039	5.033	0.006	99	472285	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	76	26992	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	368832	48.2	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	318581	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	113104	47.4	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	174426	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21623.D

Injection Date: 10-Jul-2020 15:26:30

Instrument ID: CVOAMS11

Operator ID: 19

Lims ID: 410-6533-A-2

Lab Sample ID: 460-6533-2

Worklist Smp#: 19

Client ID: MW-10S-20200629

Purge Vol: 5.000 mL

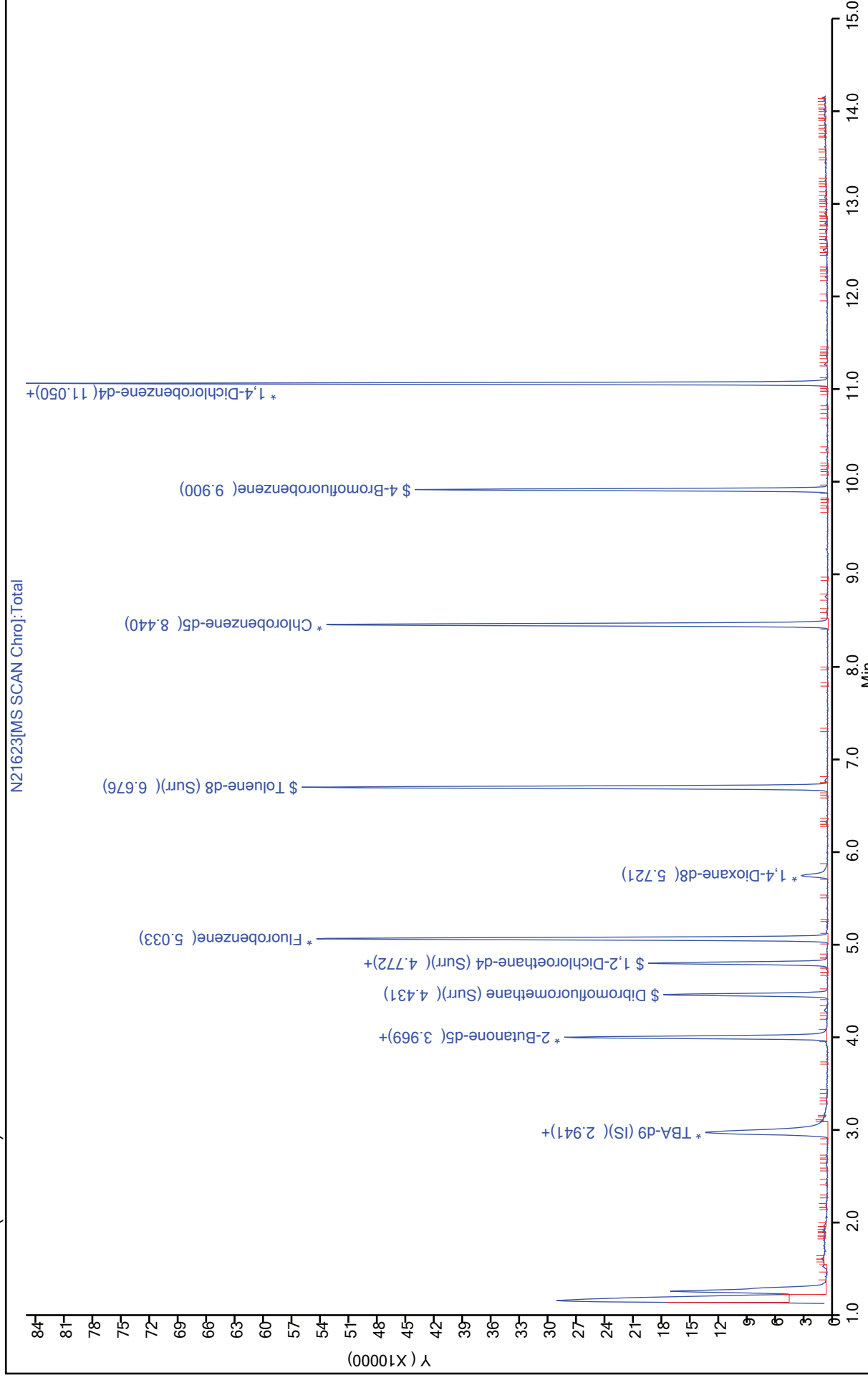
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-10D-20200629 Lab Sample ID: 410-6533-3
 Matrix: Ground Water Lab File ID: N21617.D
 Analysis Method: 8260C Date Collected: 06/29/2020 14:46
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 13:10
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
1868-53-7	Dibromofluoromethane (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene	95		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21617.D
 Lims ID: 410-6533-A-3
 Client ID: MW-10D-20200629
 Sample Type: Client
 Inject. Date: 10-Jul-2020 13:10:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-3
 Misc. Info.: 460-0113014-013
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 15:27:48 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1036

First Level Reviewer: xuyvo

Date: 10-Jul-2020 15:27:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Chlorotrifluoromethane	69	1.122	1.115	0.007	29	1872	10.1	
* 31 TBA-d9 (IS)	66	2.935	2.941	-0.006	67	38424	1000.0	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	95	346028	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	98879	47.3	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	84	117458	46.4	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	458364	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	25282	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	369001	49.7	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	309569	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	93	110495	47.7	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	168926	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21617.D

Injection Date: 10-Jul-2020 13:10:30

Instrument ID: CVOAMS11

Operator ID: 13

Lims ID: 410-6533-A-3

Lab Sample ID: 460-6533-3

Worklist Smp#: 13

Client ID: MW-10D-20200629

Purge Vol: 5.000 mL

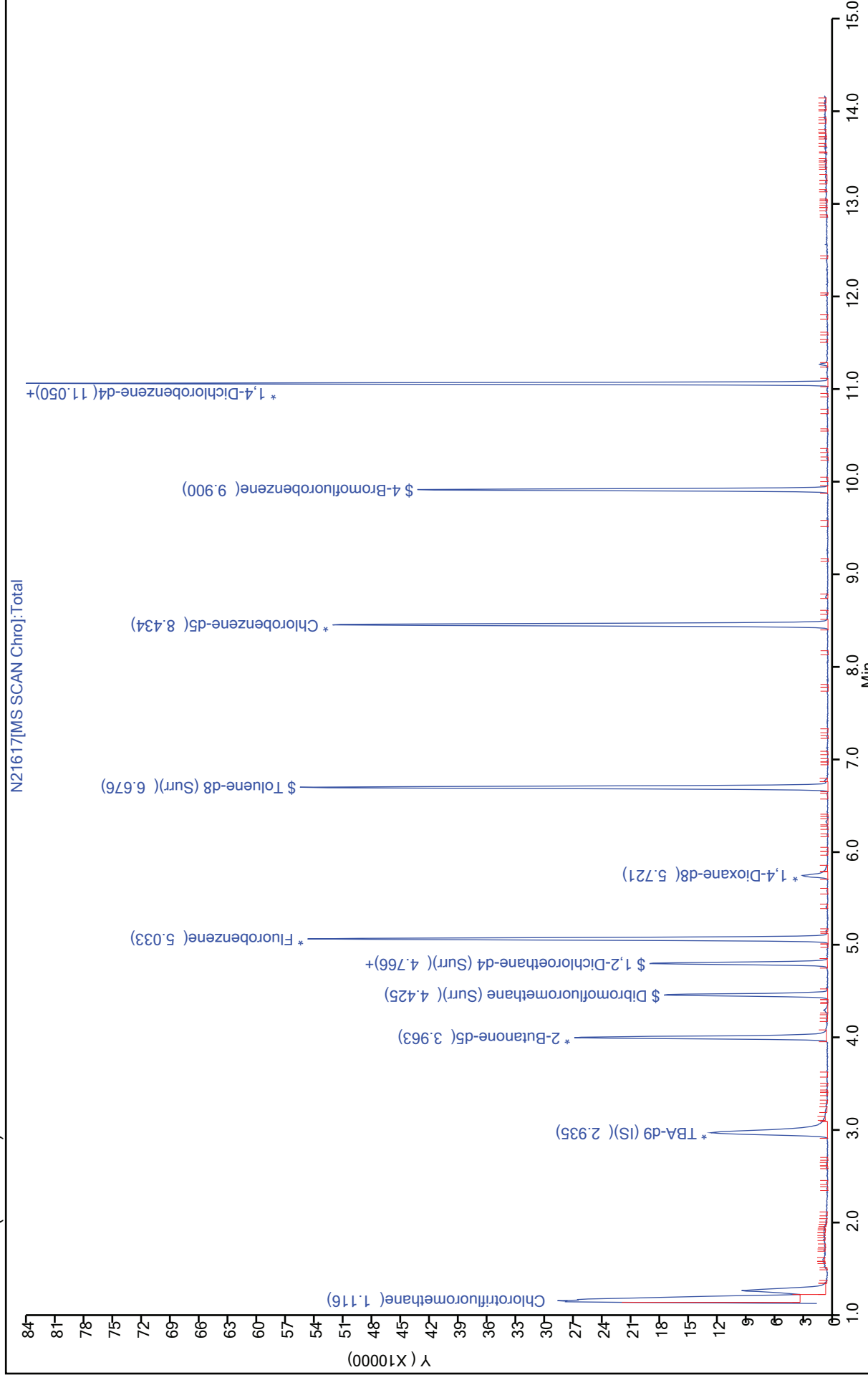
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-8S-20200629 Lab Sample ID: 410-6533-4
 Matrix: Ground Water Lab File ID: N21648.D
 Analysis Method: 8260C Date Collected: 06/29/2020 15:48
 Sample wt/vol: 5 (mL) Date Analyzed: 07/11/2020 00:26
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-123
1868-53-7	Dibromofluoromethane (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene	101		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21648.D
 Lims ID: 410-6533-B-4
 Client ID: MW-8S-20200629
 Sample Type: Client
 Inject. Date: 11-Jul-2020 00:26:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-4
 Misc. Info.: 460-0113046-012
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:21:20 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: yallabg

Date: 11-Jul-2020 00:54:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.941	2.940	0.001	68	48170	1000.0	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	95	418895	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	109800	47.4	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	132021	47.0	
* 67 Fluorobenzene	96	5.040	5.033	0.007	98	508300	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	28824	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	411857	50.8	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	337743	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	89	127533	50.4	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	184007	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21648.D

Injection Date: 11-Jul-2020 00:26:30

Instrument ID: CVOAMS11

Operator ID: 12

Lims ID: 410-6533-B-4

Lab Sample ID: 460-6533-4

Worklist Smp#: 12

Client ID: MW-8S-20200629

Purge Vol: 5.000 mL

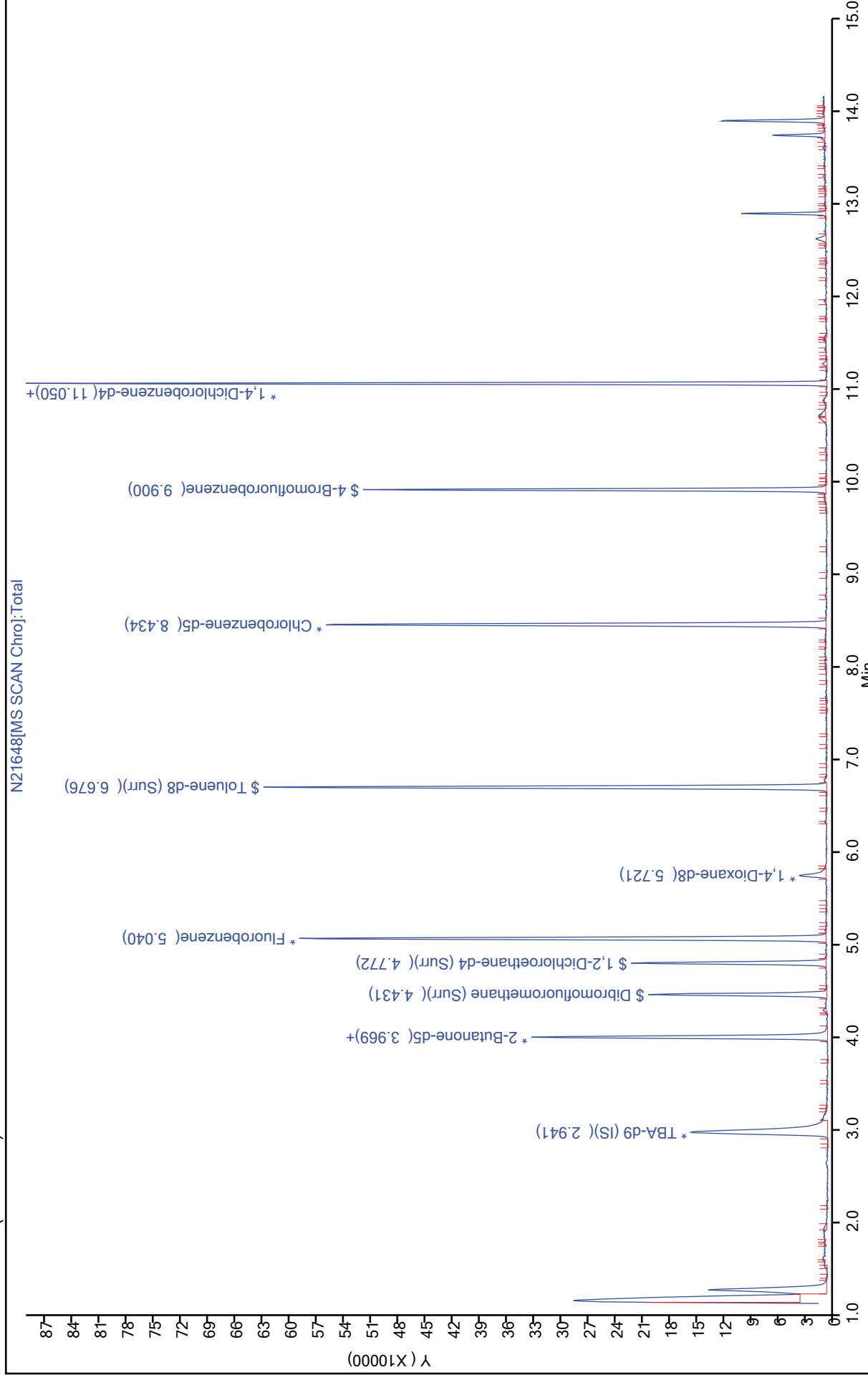
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-8D-20200630 Lab Sample ID: 410-6533-5
 Matrix: Ground Water Lab File ID: N21625.D
 Analysis Method: 8260C Date Collected: 06/30/2020 07:56
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 16:11
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
1868-53-7	Dibromofluoromethane (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene	98		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21625.D
 Lims ID: 410-6533-A-5
 Client ID: MW-8D-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 16:11:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-5
 Misc. Info.: 460-0113014-021
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1: Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: xuyvo

Date: 11-Jul-2020 12:24:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.934	2.941	-0.007	68	40882	1000.0	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	95	348512	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	100495	47.4	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	84	121866	47.4	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	465222	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	76	26769	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	378396	51.4	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	306801	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	89	112660	49.0	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	170941	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21625.D

Injection Date: 10-Jul-2020 16:11:30

Instrument ID: CVOAMS11

Operator ID: 21

Lims ID: 410-6533-A-5

Lab Sample ID: 460-6533-5

Worklist Smp#: 21

Client ID: MW-8D-20200630

Purge Vol: 5.000 mL

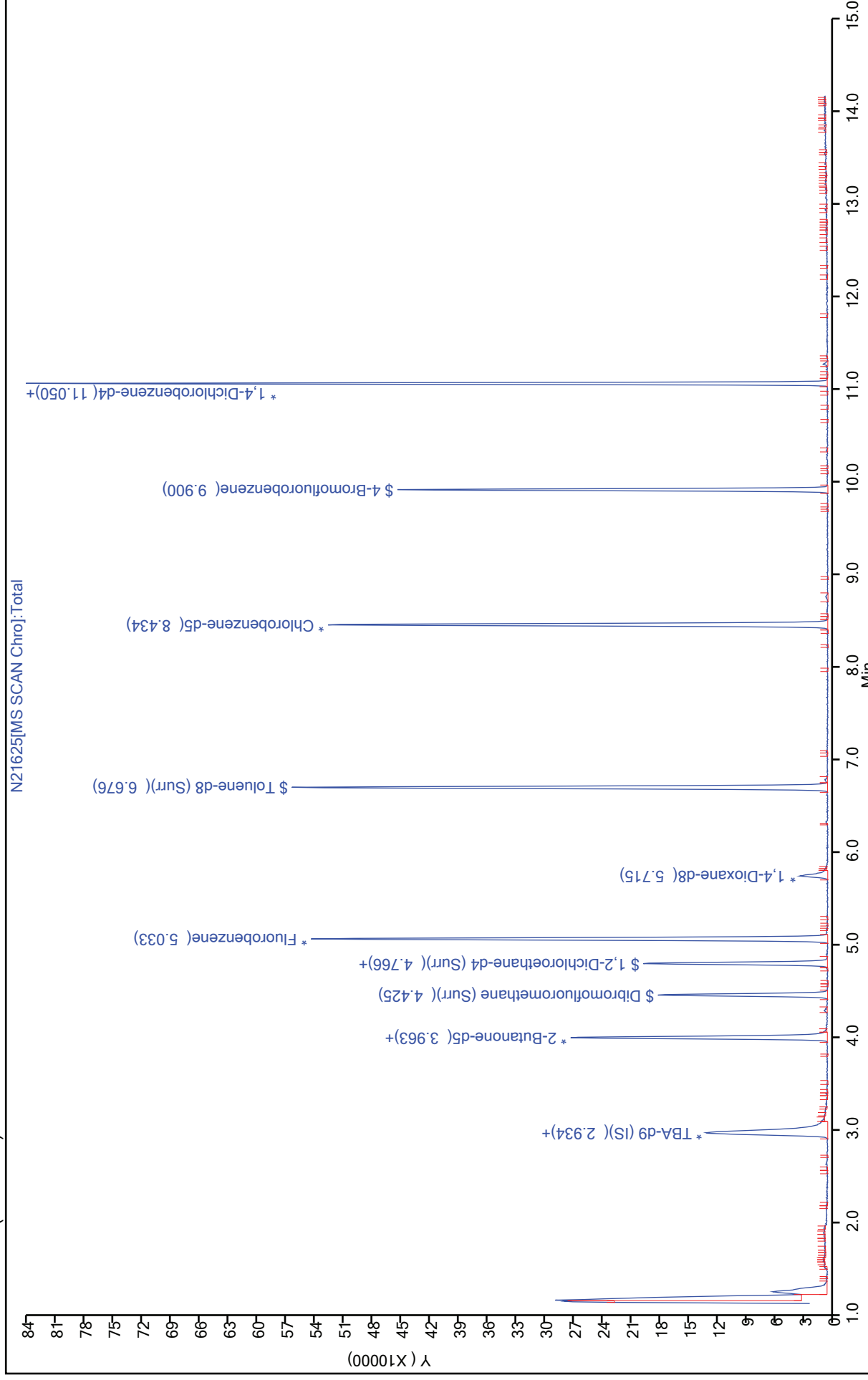
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-11S-20200630 Lab Sample ID: 410-6533-6
 Matrix: Ground Water Lab File ID: N21626.D
 Analysis Method: 8260C Date Collected: 06/30/2020 08:51
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 16:34
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.5		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	1.2	J	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
1868-53-7	Dibromofluoromethane (Surr)	89		77-124
2037-26-5	Toluene-d8 (Surr)	94		80-120
460-00-4	4-Bromofluorobenzene	92		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21626.D
 Lims ID: 410-6533-B-6
 Client ID: MW-11S-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 16:34:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-6
 Misc. Info.: 460-0113014-022
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: yallabg

Date: 10-Jul-2020 21:59:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.934	2.941	-0.007	68	47060	1000.0	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	94	412889	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	94376	44.6	
61 Benzene	78	4.753	4.754	-0.001	93	11475	1.47	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	115588	45.0	
* 67 Fluorobenzene	96	5.039	5.033	0.006	98	464735	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	75	30968	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	352794	46.8	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	314195	50.0	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	95	2482	0.7873	
100 o-Xylene	106	9.255	9.249	0.006	88	1487	0.4527	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	91	107753	45.8	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	95	171139	50.0	
S 138 Xylenes, Total	100				0		1.24	

Reagents:

8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent
 8260ISNEW_00139 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21626.D

Injection Date: 10-Jul-2020 16:34:30

Instrument ID: CVOAMS11

Operator ID: 22

Lims ID: 410-6533-B-6

Lab Sample ID: 460-6533-6

Worklist Smp#: 22

Client ID: MW-11S-20200630

Purge Vol: 5.000 mL

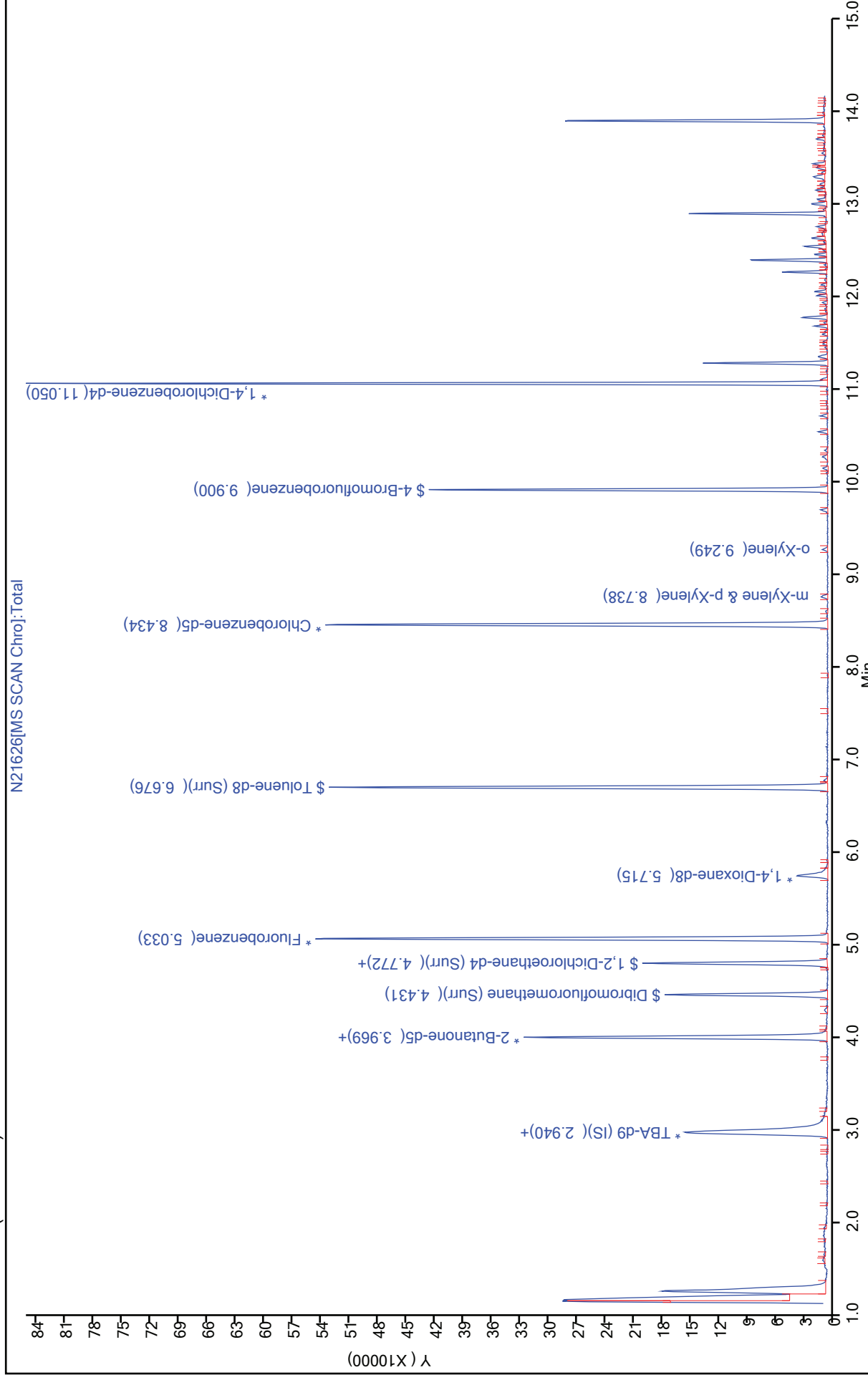
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21626.D

Injection Date: 10-Jul-2020 16:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-6

Lab Sample ID: 460-6533-6

Client ID: MW-11S-20200630

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

22

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

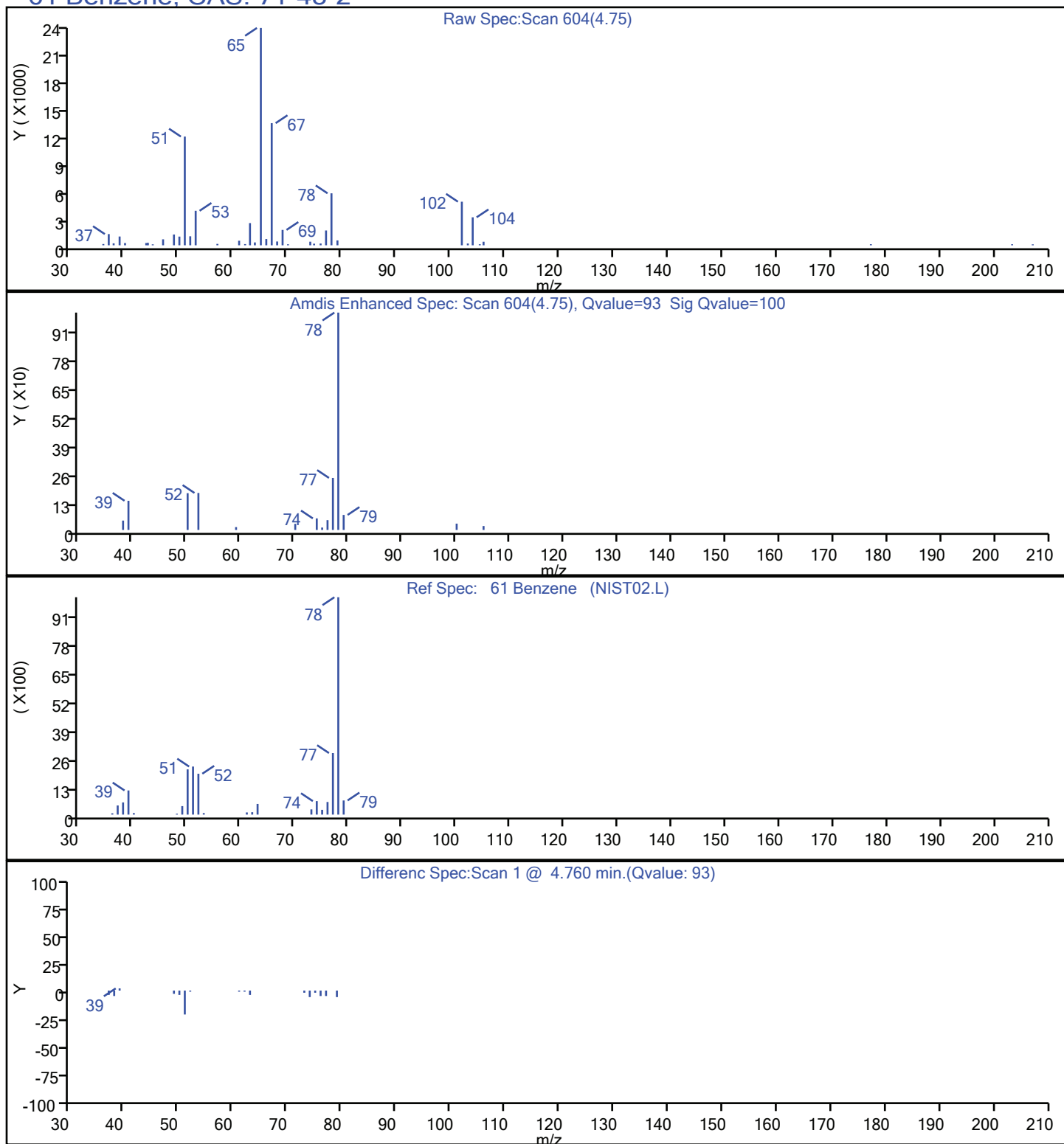
VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

61 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21626.D

Injection Date: 10-Jul-2020 16:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-6

Lab Sample ID: 460-6533-6

Client ID: MW-11S-20200630

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 22

Purge Vol: 5.000 mL

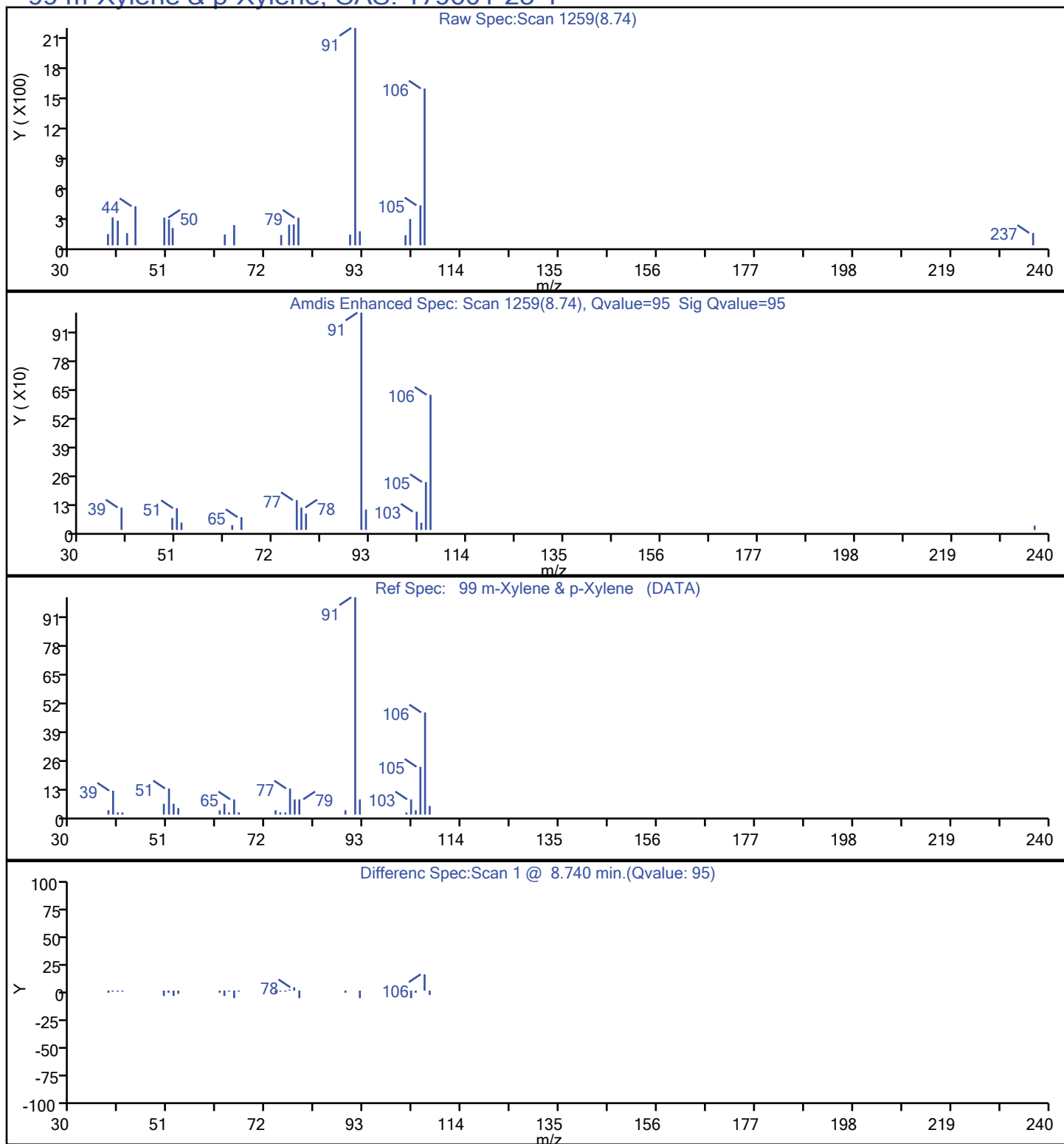
Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

99 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21626.D

Injection Date: 10-Jul-2020 16:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-6

Lab Sample ID: 460-6533-6

Client ID: MW-11S-20200630

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

22

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

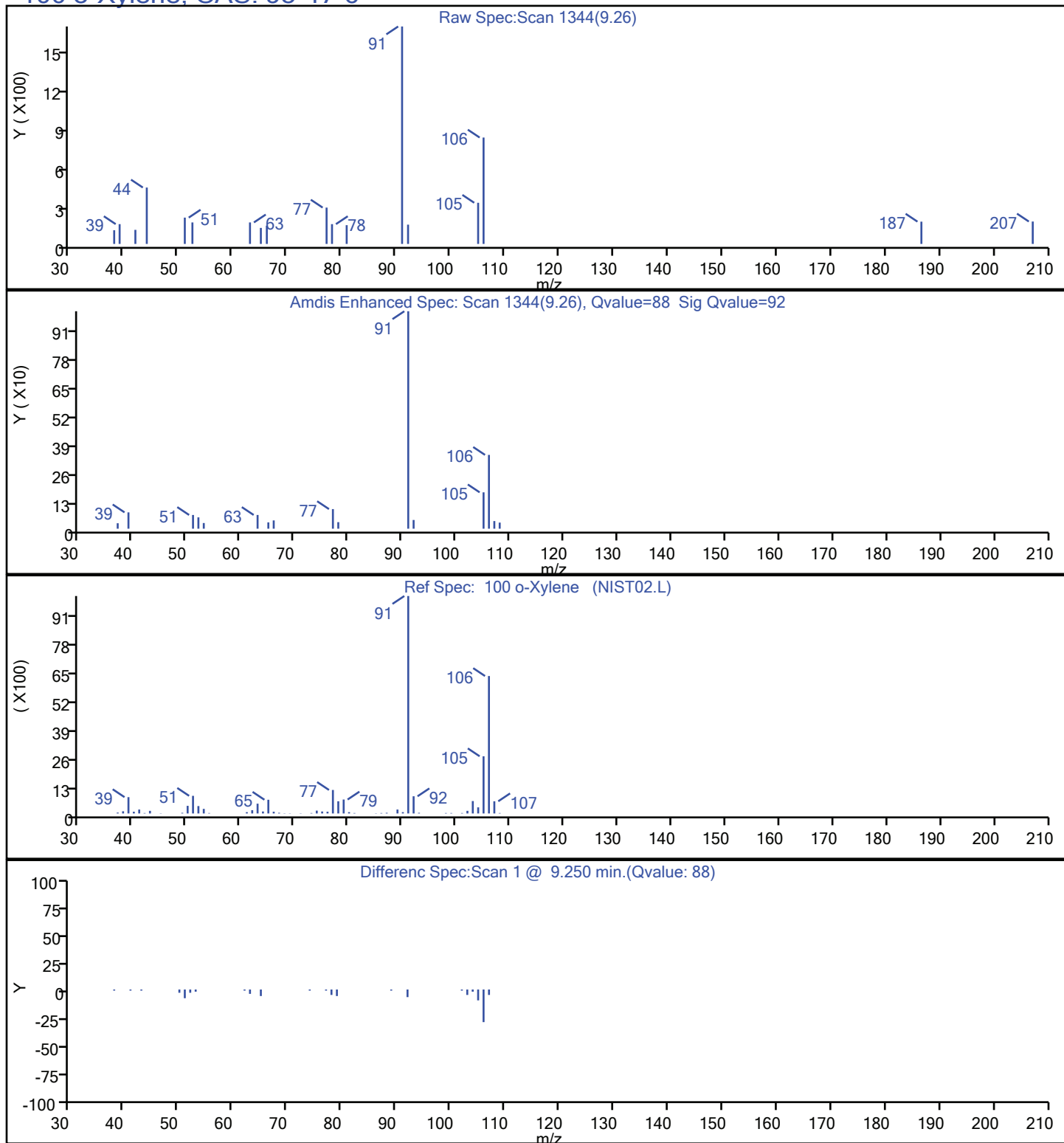
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

100 o-Xylene, CAS: 95-47-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-11D-20200630 Lab Sample ID: 410-6533-7
 Matrix: Ground Water Lab File ID: N21627.D
 Analysis Method: 8260C Date Collected: 06/30/2020 09:28
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 16:56
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-123
1868-53-7	Dibromofluoromethane (Surr)	93		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene	96		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21627.D
 Lims ID: 410-6533-B-7
 Client ID: MW-11D-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 16:56:30 ALS Bottle#: 22 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-7
 Misc. Info.: 460-0113014-023
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: xuyvo

Date: 11-Jul-2020 12:24:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.928	2.941	-0.013	67	38413	1000.0	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	94	351513	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	100204	46.5	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	118261	45.3	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	472507	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	74	26155	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	371474	48.6	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	318340	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	113898	47.8	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	176174	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21627.D

Injection Date: 10-Jul-2020 16:56:30

Instrument ID: CVOAMS11

Operator ID: 23

Lims ID: 410-6533-B-7

Lab Sample ID: 460-6533-7

Worklist Smp#: 23

Client ID: MW-11D-20200630

Purge Vol: 5.000 mL

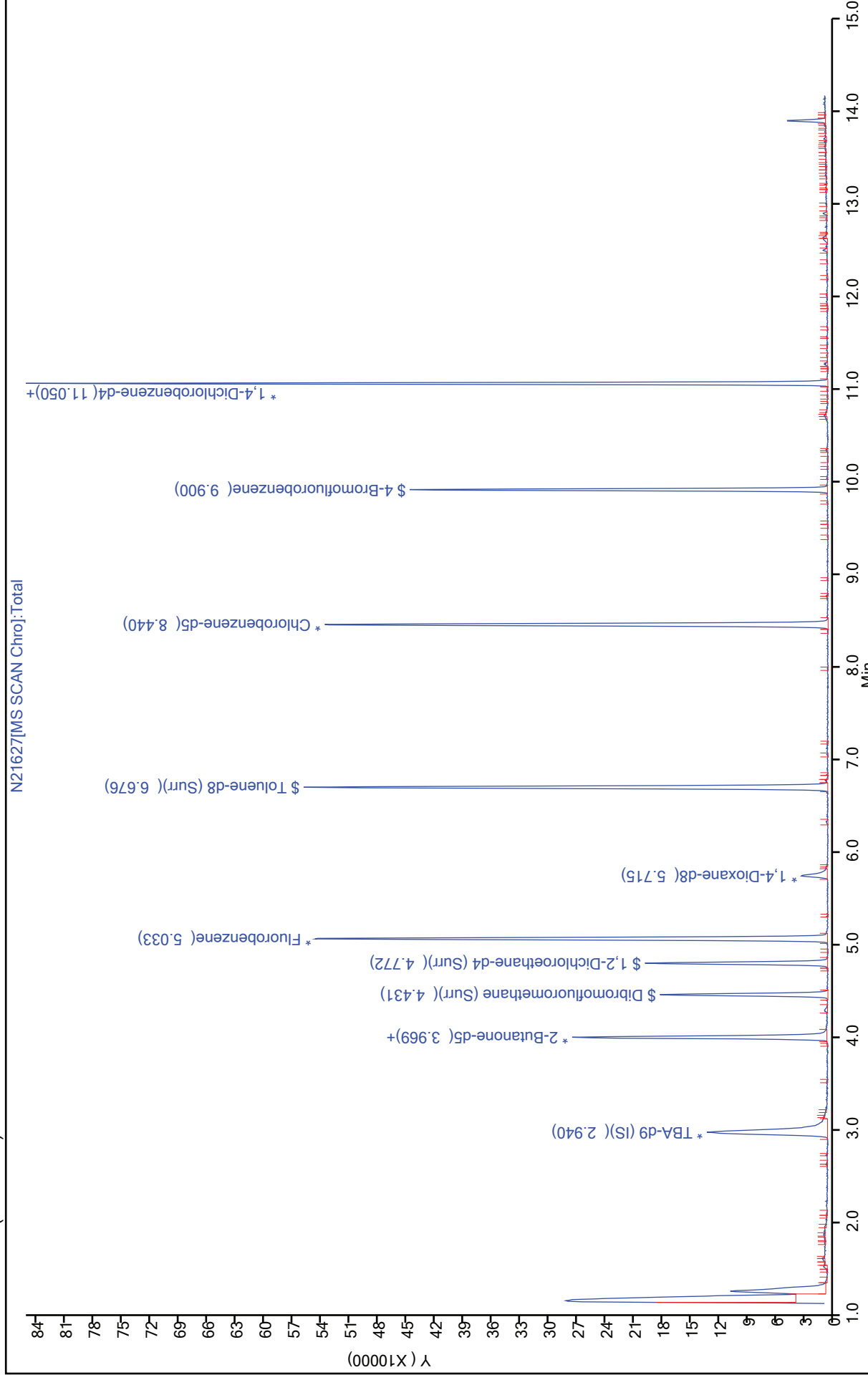
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6599-1
 SDG No.: _____
 Client Sample ID: MW-8S-20200690 Lab Sample ID: 410-6599-3
 Matrix: Ground Water Lab File ID: N21623.D
 Analysis Method: 3260C Date Collected: 06/90/2020 10:24
 Sample wt/vol: 5 (mL) Date Analyzed: 08/10/2020 18:17
 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.: 808230 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
81-49-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.90
1694-04-4	Methyl tertiary butyl ether	ND		1.0	0.48
103-33-9	Toluene	ND		1.0	0.93
1990-20-8	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
18060-08-0	1,2-Dichloroethane-d4 (Surr)	34		85-129
1363-59-8	Dibromofluoromethane (Surr)	39		88-124
2098-26-5	Toluene-d3 (Surr)	38		30-120
460-00-4	4-Bromofluorobenzene	34		86-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21628.D
 Lims ID: 410-6533-B-8
 Client ID: MW-7S-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 17:19:30 ALS Bottle#: 23 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-8
 Misc. Info.: 460-0113014-024
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1: Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: xuyvo

Date: 11-Jul-2020 12:24:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.934	2.941	-0.007	67	42263	1000.0	
* 43 2-Butanone-d5	46	3.962	3.963	-0.001	94	363293	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	96	85133	41.7	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	84	103265	41.8	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	447591	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	27394	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	310861	43.7	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	296454	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	89	93550	42.1	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	165880	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21628.D

Injection Date: 10-Jul-2020 17:19:30

Instrument ID: CVOAMS11

Operator ID: 24

Lims ID: 410-6533-B-8

Lab Sample ID: 460-6533-8

Worklist Smp#: 23

Client ID: MW-7S-20200630

Purge Vol: 5.000 mL

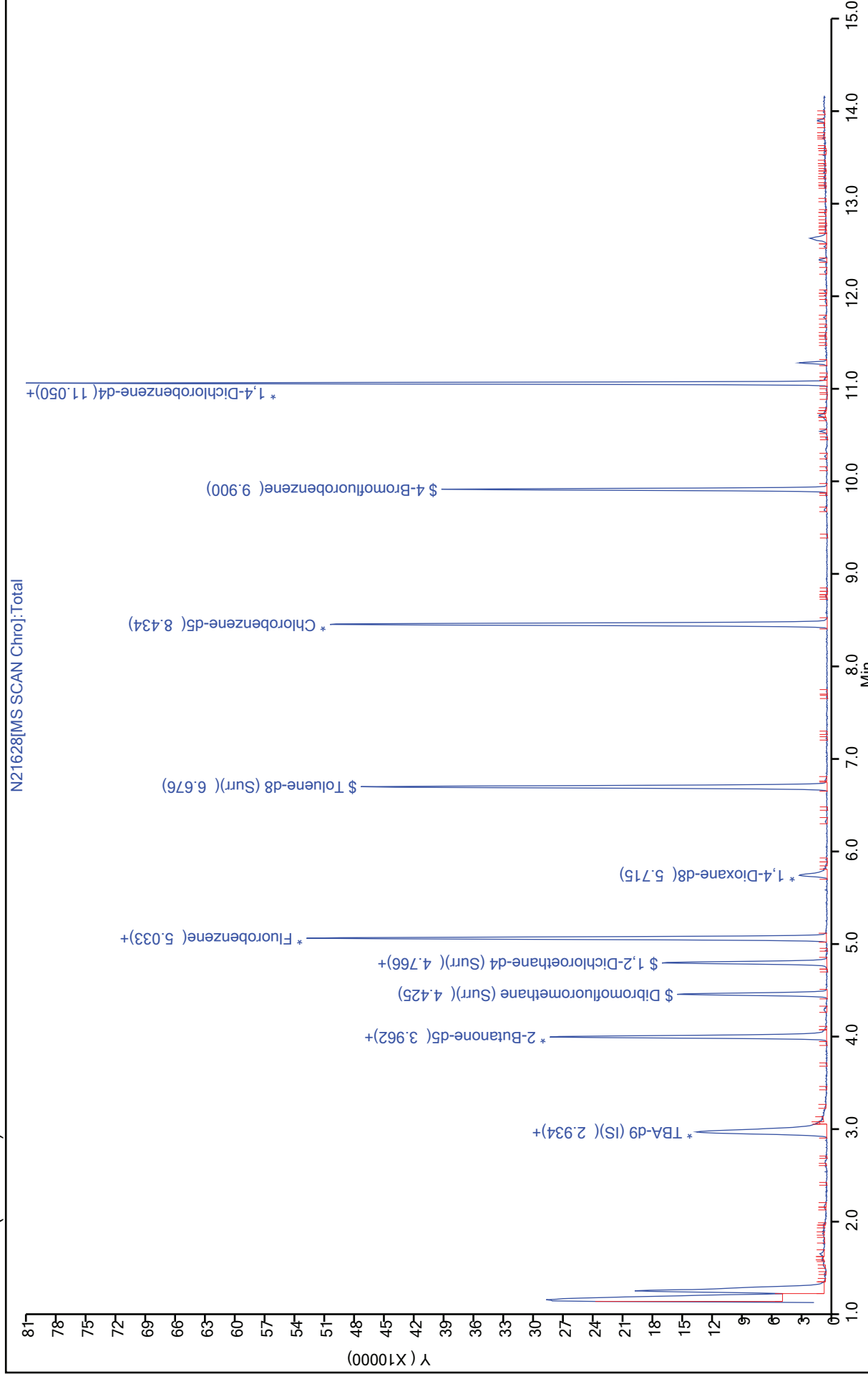
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-7D-20200630 Lab Sample ID: 410-6533-9
 Matrix: Ground Water Lab File ID: N21629.D
 Analysis Method: 8260C Date Collected: 06/30/2020 11:03
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 17:41
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
1868-53-7	Dibromofluoromethane (Surr)	91		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene	93		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21629.D
 Lims ID: 410-6533-B-9
 Client ID: MW-7D-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 17:41:30 ALS Bottle#: 24 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-9
 Misc. Info.: 460-0113014-025
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: xuyvo

Date: 11-Jul-2020 12:24:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.941	2.941	0.000	67	41015	1000.0	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	95	363582	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	95765	45.6	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	114474	45.0	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	460261	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	75	27116	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	355744	48.3	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	306714	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	106845	46.5	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	165687	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21629.D

Injection Date: 10-Jul-2020 17:41:30

Instrument ID: CVOAMS11

Operator ID: 25

Lims ID: 410-6533-B-9

Lab Sample ID: 460-6533-9

Worklist Smp#: 25

Client ID: MW-7D-20200630

Purge Vol: 5.000 mL

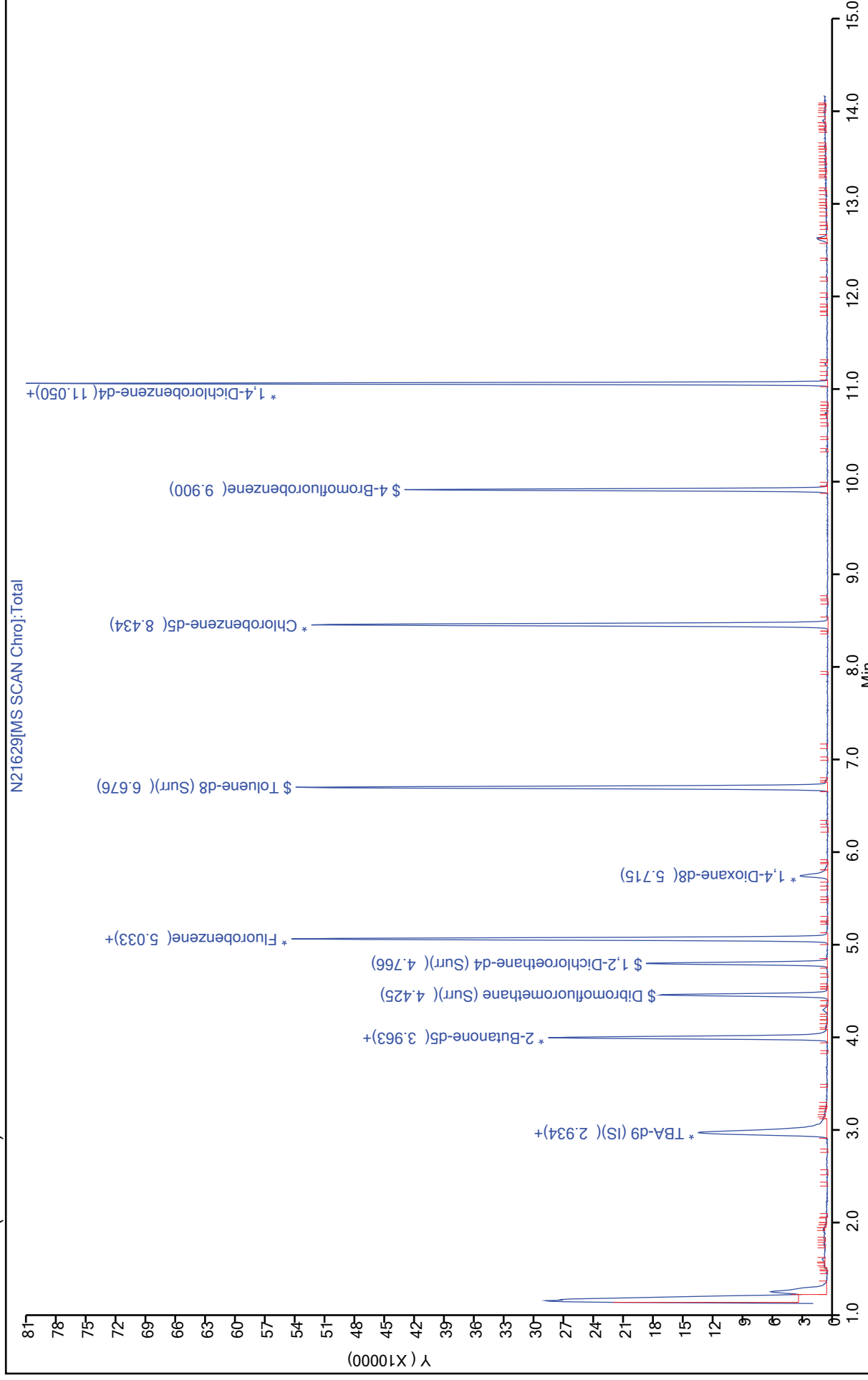
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-14S-20200630 Lab Sample ID: 410-6533-10
 Matrix: Ground Water Lab File ID: N21630.D
 Analysis Method: 8260C Date Collected: 06/30/2020 12:50
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 18:04
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	0.73	J	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
1868-53-7	Dibromofluoromethane (Surr)	96		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	97		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21630.D
 Lims ID: 410-6533-A-10
 Client ID: MW-14S-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 18:04:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-10
 Misc. Info.: 460-0113014-026
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1: Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: yallabg

Date: 10-Jul-2020 18:28:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.934	2.941	-0.007	67	40909	1000.0	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	94	364018	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	101165	48.1	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	83	121312	47.5	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	461835	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	75	27703	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	367906	49.8	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	307648	50.0	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	97	994	0.3220	
100 o-Xylene	106	9.249	9.249	0.000	95	1302	0.4048	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	111464	48.4	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	166655	50.0	
S 138 Xylenes, Total	100				0		0.7269	

Reagents:

8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent
 8260ISNEW_00139 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21630.D

Injection Date: 10-Jul-2020 18:04:30

Instrument ID: CVOAMS11

Operator ID: 26

Lims ID: 410-6533-A-10

Lab Sample ID: 460-6533-10

Worklist Smp#: 26

Client ID: MW-14S-20200630

Purge Vol: 5.000 mL

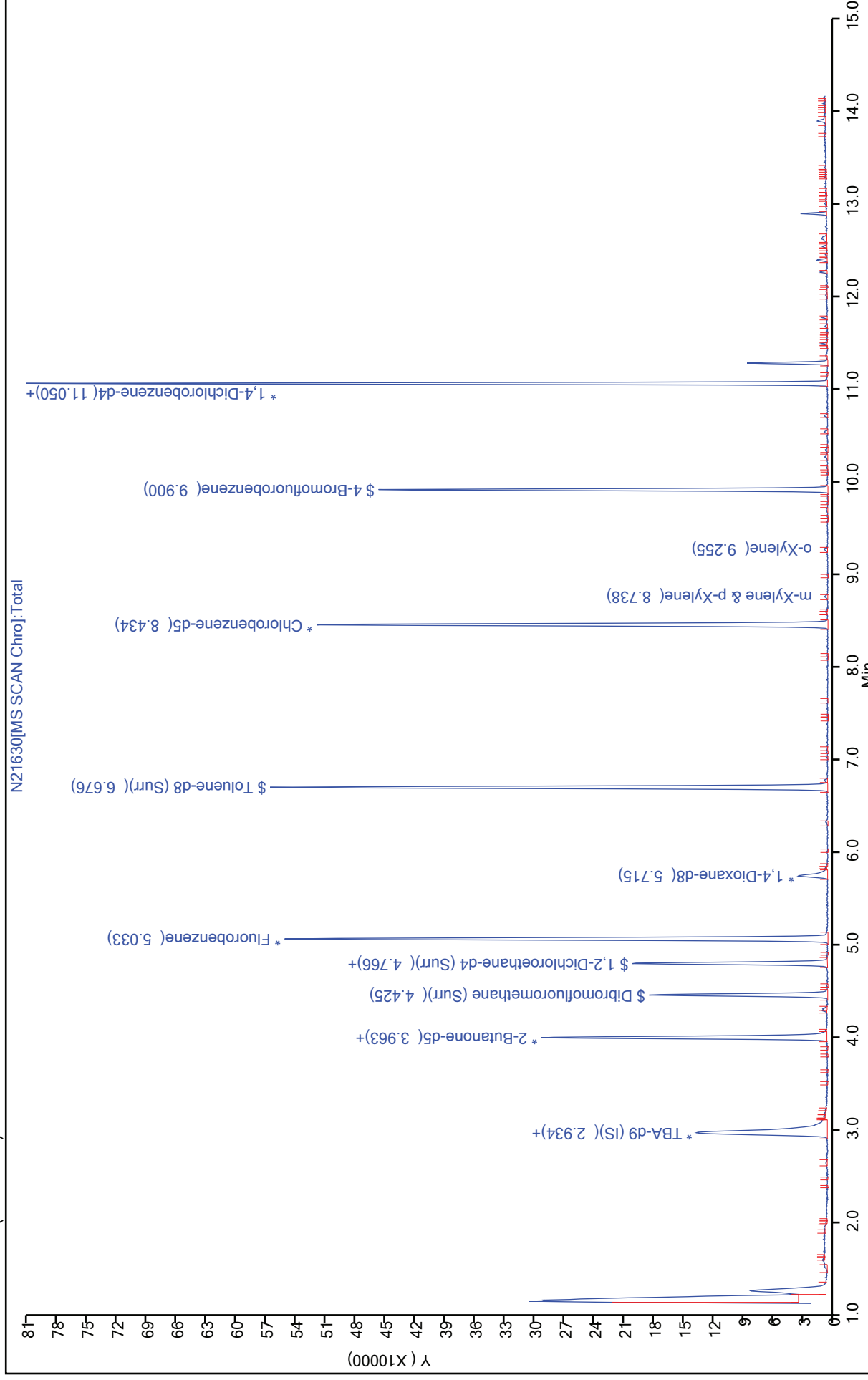
Dil. Factor: 1.0000

ALS Bottle#: 25

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21630.D

Injection Date: 10-Jul-2020 18:04:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-10

Lab Sample ID: 460-6533-10

Client ID: MW-14S-20200630

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

26

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

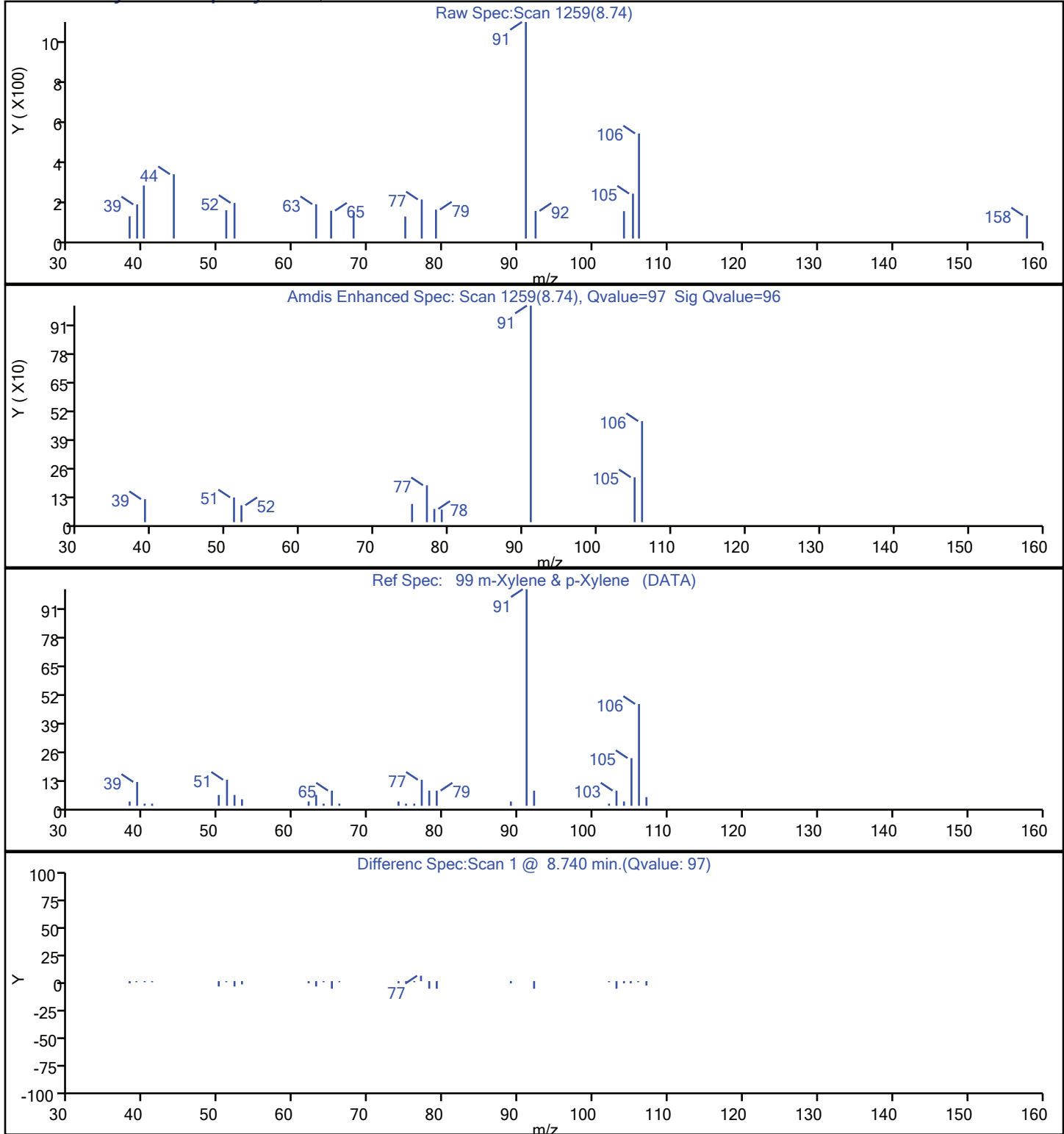
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

99 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21630.D

Injection Date: 10-Jul-2020 18:04:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-10

Lab Sample ID: 460-6533-10

Client ID: MW-14S-20200630

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

26

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

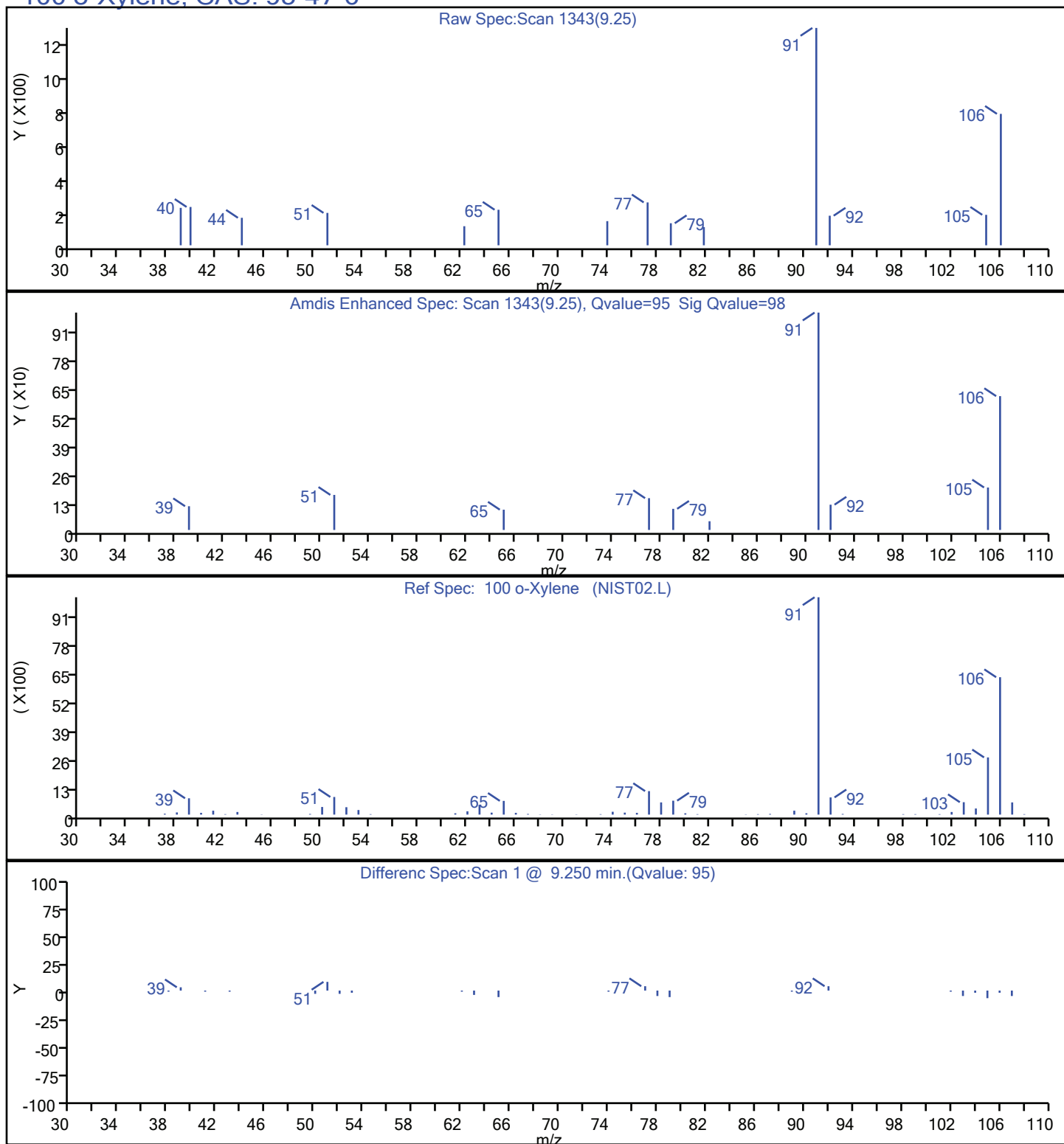
VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

100 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: FB-20200630 Lab Sample ID: 410-6533-11
 Matrix: Water Lab File ID: N21616.D
 Analysis Method: 8260C Date Collected: 06/30/2020 13:05
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 12:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
1868-53-7	Dibromofluoromethane (Surr)	92		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene	96		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21616.D
 Lims ID: 410-6533-A-11
 Client ID: FB-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 12:47:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-11
 Misc. Info.: 460-0113014-012
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 15:25:15 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1036

First Level Reviewer: xuyvo

Date: 10-Jul-2020 15:27:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.947	2.941	0.006	68	38634	1000.0	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	95	348192	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	100222	45.9	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	118632	44.8	
* 67 Fluorobenzene	96	5.040	5.033	0.007	98	478844	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	76	26225	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	379185	49.2	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	320808	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	115314	48.0	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	180218	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21616.D

Injection Date: 10-Jul-2020 12:47:30

Instrument ID: CVOAMS11

Operator ID: 12

Lims ID: 410-6533-A-11

Lab Sample ID: 460-6533-11

Worklist Smp#: 12

Client ID: FB-20200630

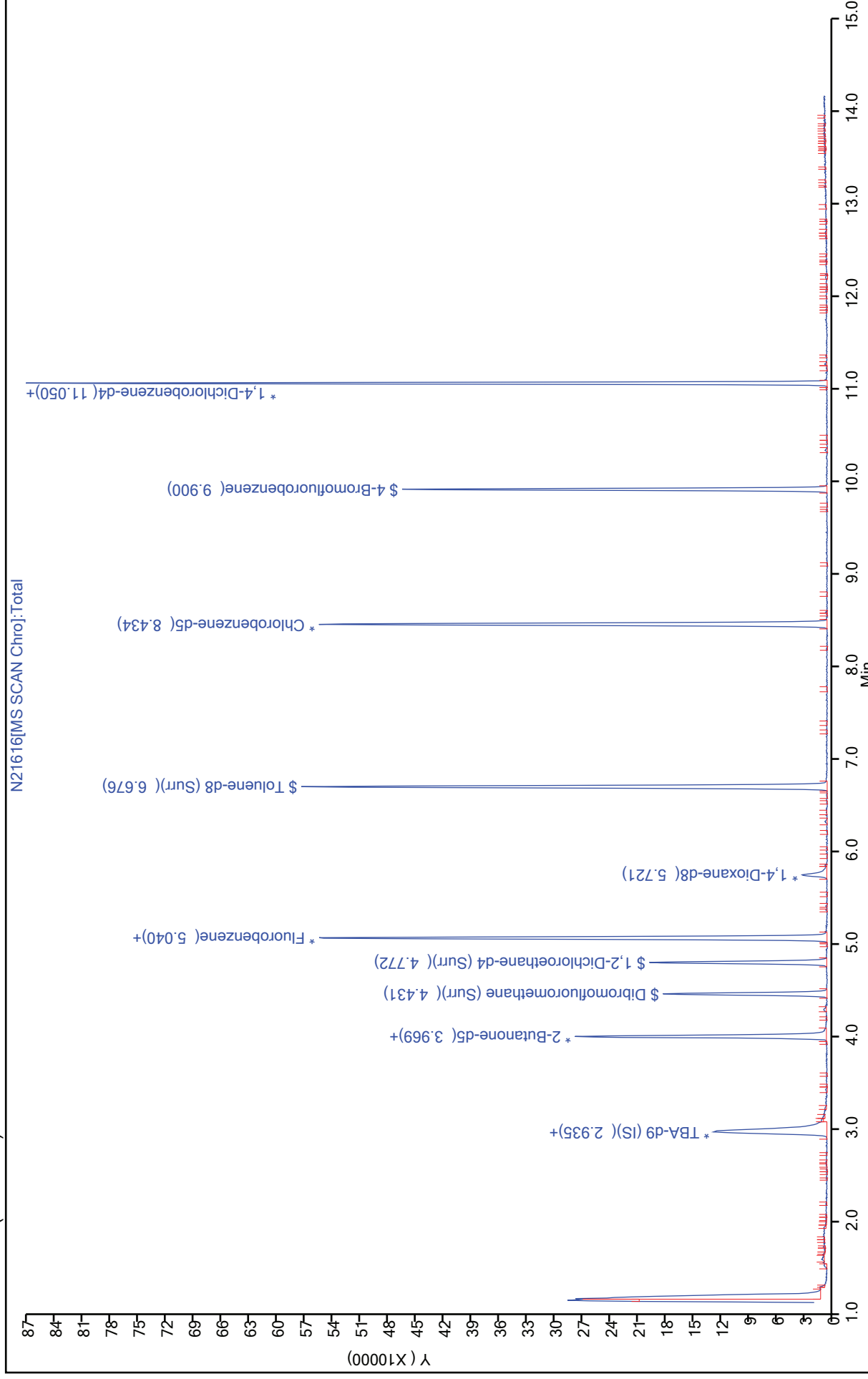
Dil. Factor: 1.0000

ALS Bottle#: 11

Purge Vol: 5.000 mL

Method: 8260W_11 VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-14D-20200630 Lab Sample ID: 410-6533-12
 Matrix: Ground Water Lab File ID: N21631.D
 Analysis Method: 8260C Date Collected: 06/30/2020 13:54
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 18:27
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
1868-53-7	Dibromofluoromethane (Surr)	92		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	96		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21631.D
 Lims ID: 410-6533-A-12
 Client ID: MW-14D-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 18:27:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-12
 Misc. Info.: 460-0113014-027
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1: Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: xuyvo

Date: 11-Jul-2020 12:25:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.941	2.941	0.000	68	43698	1000.0	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	95	384932	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	96	99198	46.2	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	120929	46.4	
* 67 Fluorobenzene	96	5.040	5.033	0.007	98	471262	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	74	28758	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	374303	50.1	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	311318	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	111852	48.0	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	170022	50.0	

Reagents:

8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21631.D

Injection Date: 10-Jul-2020 18:27:30

Instrument ID: CVOAMS11

Operator ID: 27

Lims ID: 410-6533-A-12

Lab Sample ID: 460-6533-12

Worklist Smp#: 27

Client ID: MW-14D-20200630

Purge Vol: 5.000 mL

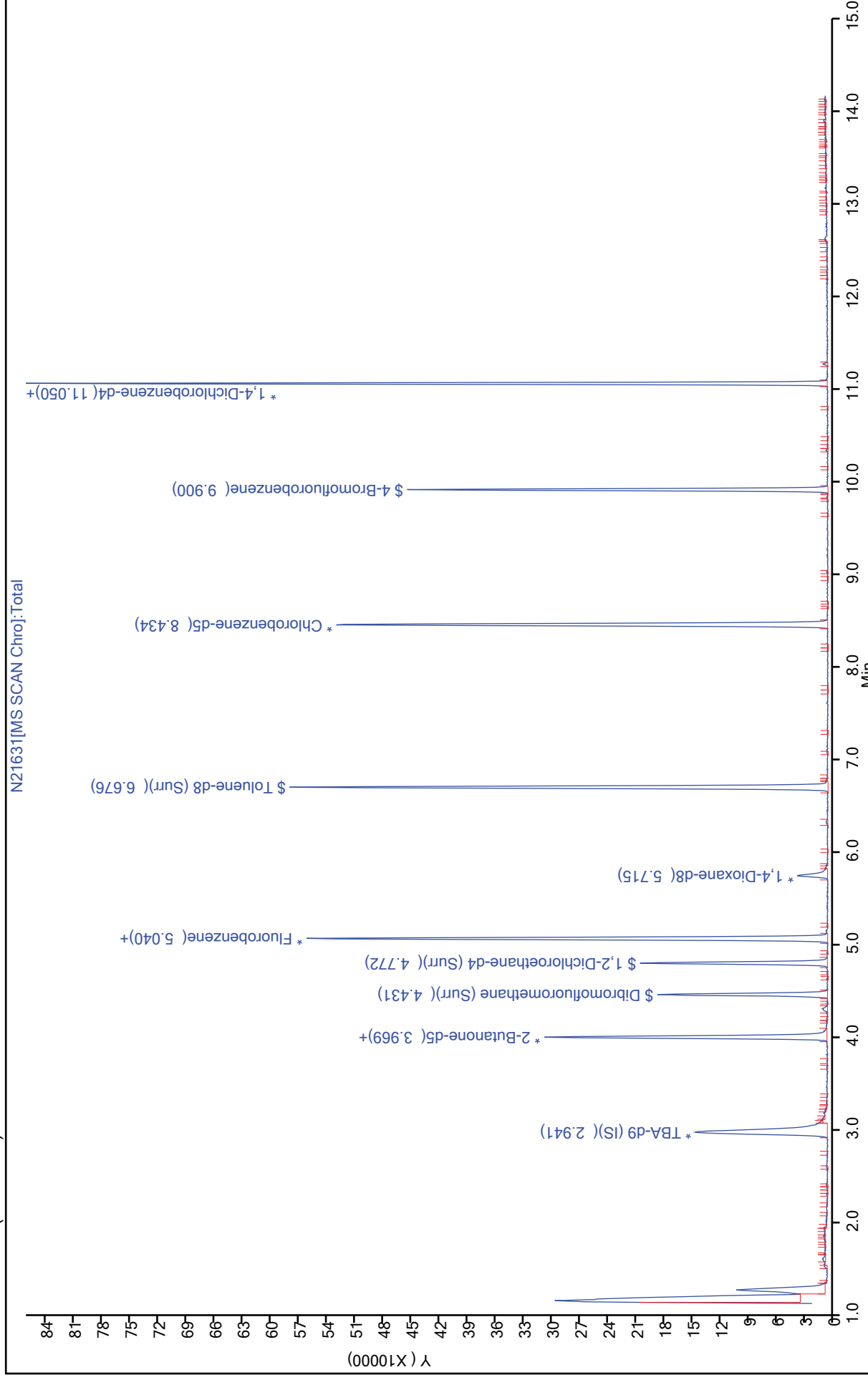
Dil. Factor: 1.0000

ALS Bottle#: 26

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-4S-20200701 Lab Sample ID: 410-6533-13
 Matrix: Ground Water Lab File ID: N21632.D
 Analysis Method: 8260C Date Collected: 07/01/2020 07:59
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 18:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.0		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		75-123
1868-53-7	Dibromofluoromethane (Surr)	80		77-124
2037-26-5	Toluene-d8 (Surr)	81		80-120
460-00-4	4-Bromofluorobenzene	78		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21632.D
 Lims ID: 410-6533-A-13
 Client ID: MW-4S-20200701
 Sample Type: Client
 Inject. Date: 10-Jul-2020 18:49:30 ALS Bottle#: 27 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-13
 Misc. Info.: 460-0113014-028
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: xuyvo

Date: 11-Jul-2020 12:25:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.934	2.941	-0.007	67	45703	1000.0	
* 43 2-Butanone-d5	46	3.963	3.963	-0.001	95	393546	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	96	85014	39.9	
61 Benzene	78	4.753	4.754	-0.001	96	15754	2.05	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	102004	39.5	
* 67 Fluorobenzene	96	5.033	5.033	0.000	99	467444	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	76	30177	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	301127	40.6	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	308778	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	89	90655	39.2	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	169699	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21632.D

Injection Date: 10-Jul-2020 18:49:30

Instrument ID: CVOAMS11

Operator ID: 28

Lims ID: 410-6533-A-13

Lab Sample ID: 460-6533-13

Worklist Smp#: 27

Client ID: MW-4S-20200701

Purge Vol: 5.000 mL

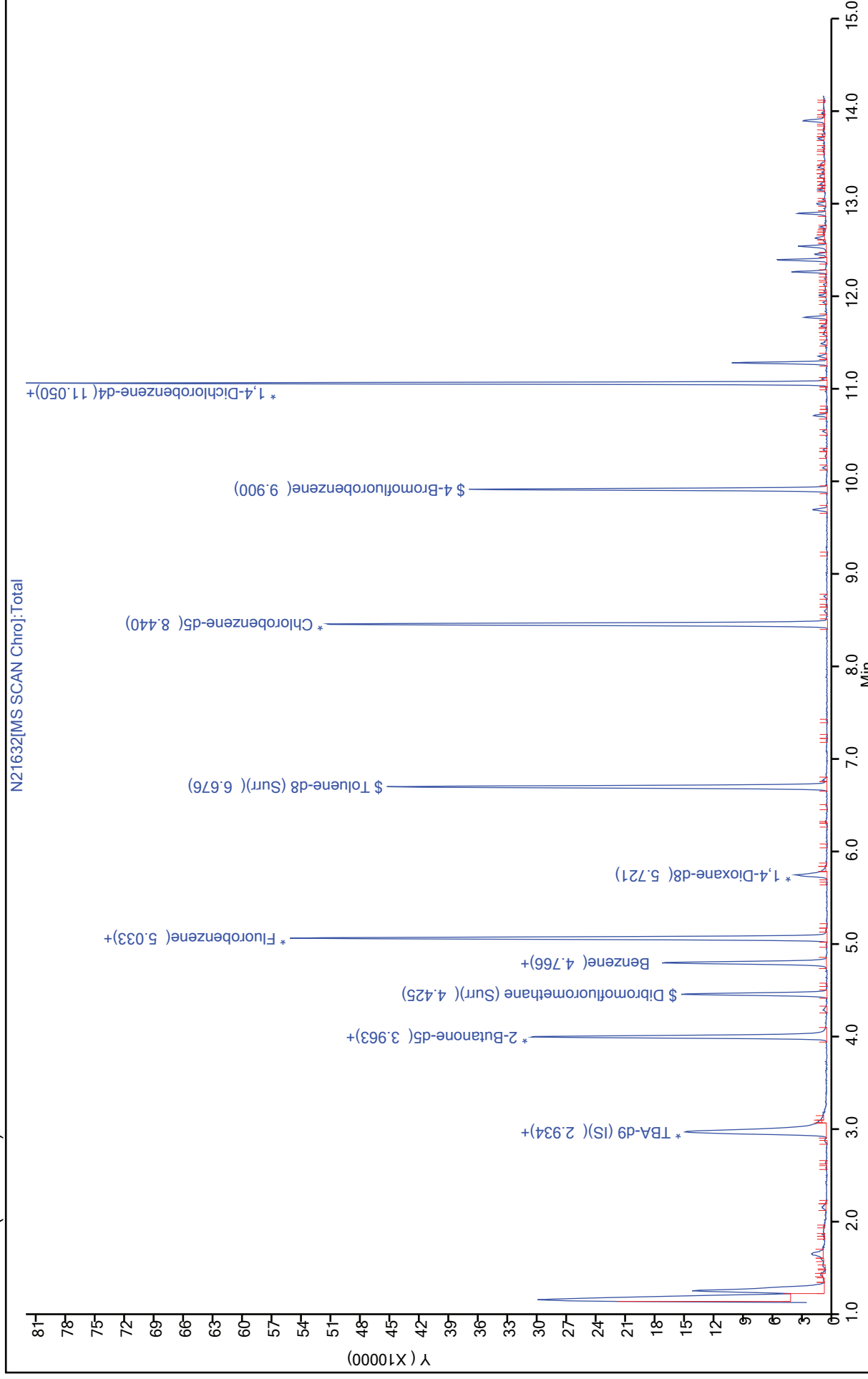
Dil. Factor: 1.0000

ALS Bottle#: 27

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21632.D

Injection Date: 10-Jul-2020 18:49:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-13

Lab Sample ID: 460-6533-13

Client ID: MW-4S-20200701

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

28

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

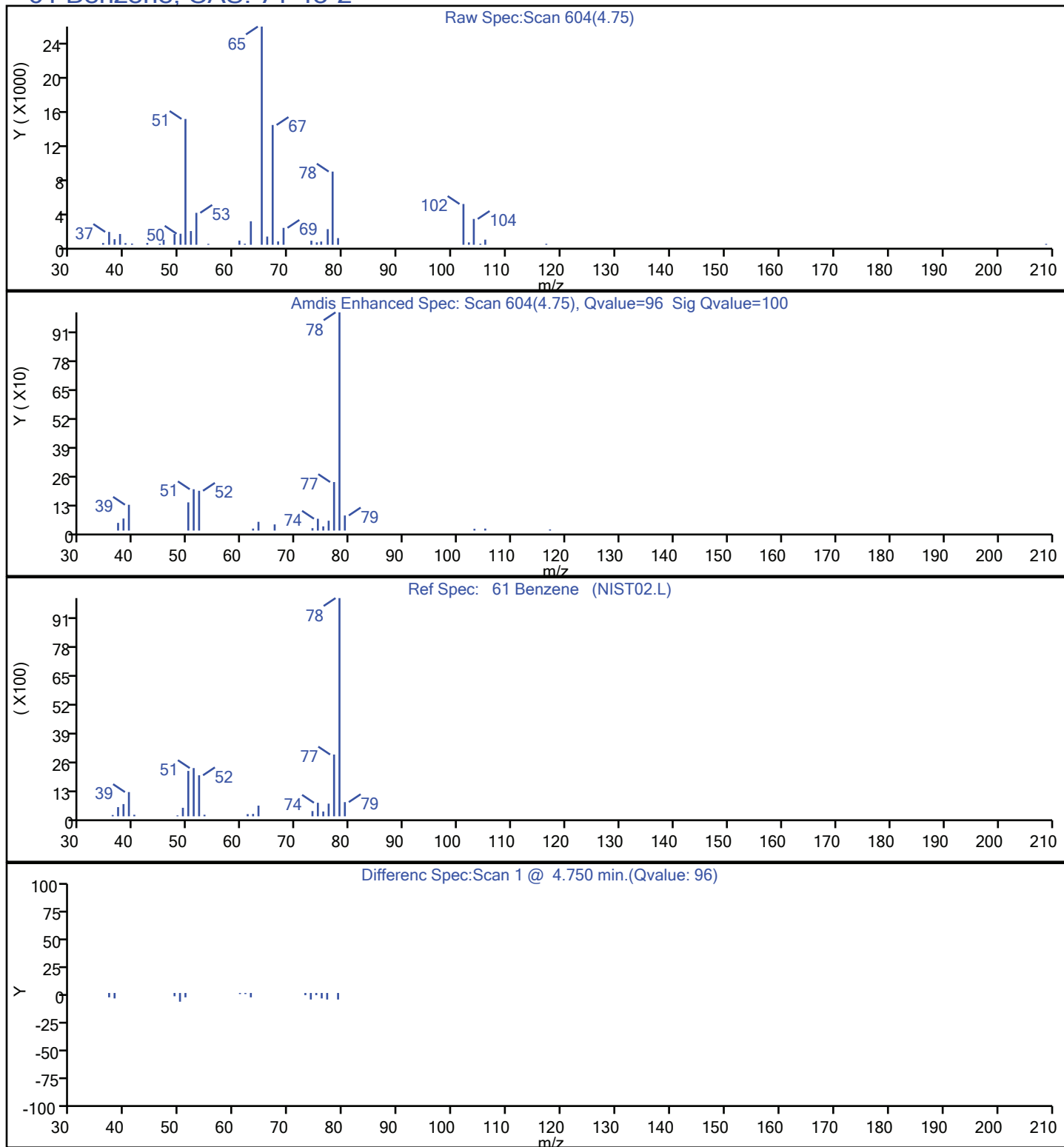
VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

61 Benzene, CAS: 71-43-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-4D-20200701 Lab Sample ID: 410-6533-14
 Matrix: Ground Water Lab File ID: N21633.D
 Analysis Method: 8260C Date Collected: 07/01/2020 08:36
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 19:12
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
1868-53-7	Dibromofluoromethane (Surr)	94		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	94		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21633.D
 Lims ID: 410-6533-A-14
 Client ID: MW-4D-20200701
 Sample Type: Client
 Inject. Date: 10-Jul-2020 19:12:30 ALS Bottle#: 28 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-14
 Misc. Info.: 460-0113014-029
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: yallabg

Date: 10-Jul-2020 19:56:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.935	2.941	-0.007	67	40995	1000.0	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	94	360789	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	97191	47.0	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	84	118795	47.4	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	453582	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	27136	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	362048	50.2	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	300627	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	106381	47.2	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	167410	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21633.D

Injection Date: 10-Jul-2020 19:12:30

Instrument ID: CVOAMS11

Operator ID: 29

Lims ID: 410-6533-A-14

Lab Sample ID: 460-6533-14

Worklist Smp#: 29

Client ID: MW-4D-20200701

Purge Vol: 5.000 mL

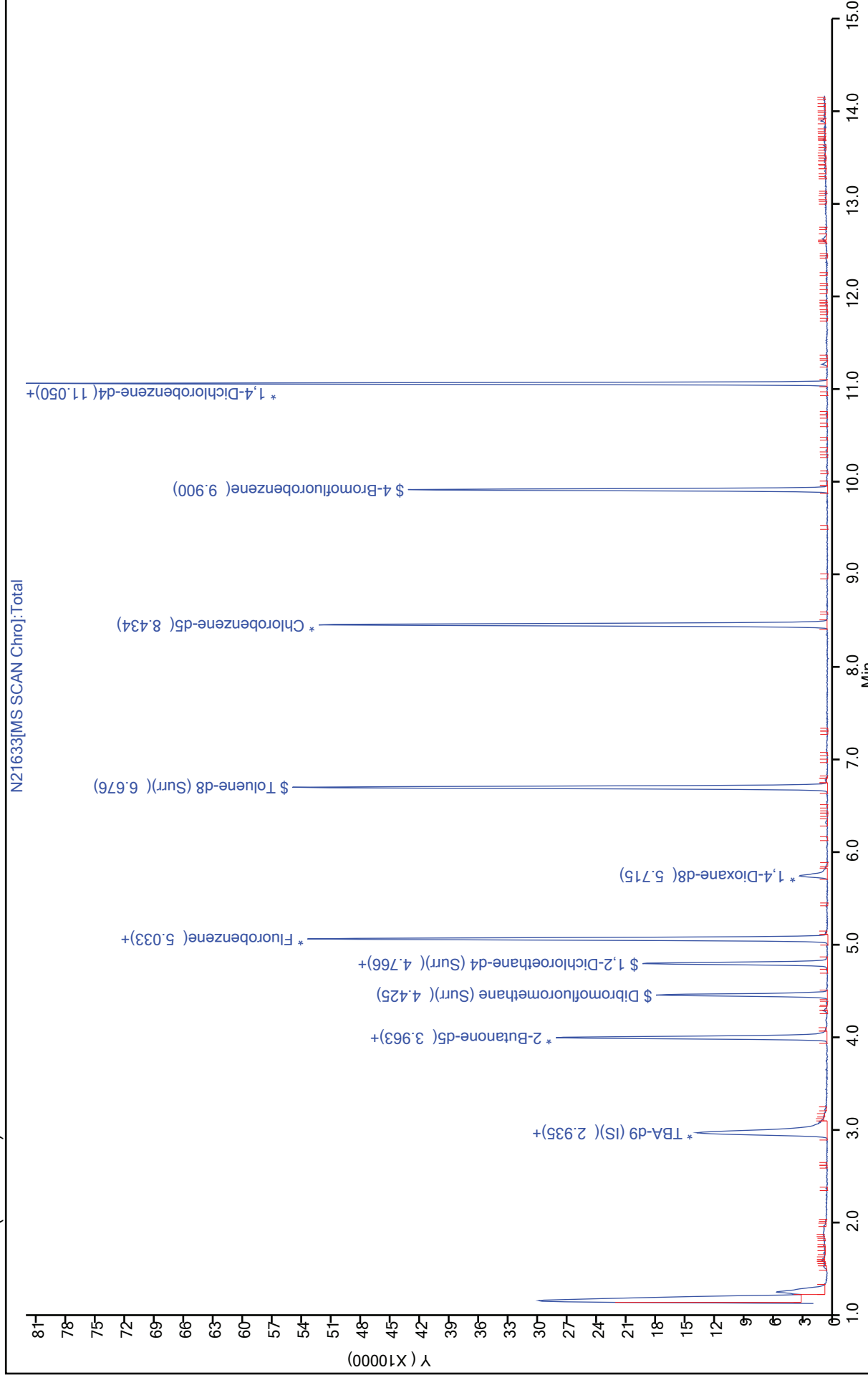
Dil. Factor: 1.0000

ALS Bottle#: 28

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-3-20200701 Lab Sample ID: 410-6533-15
 Matrix: Ground Water Lab File ID: N21634.D
 Analysis Method: 8260C Date Collected: 07/01/2020 09:18
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 19:34
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.94	J	1.0	0.20
100-41-4	Ethylbenzene	7.6		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	1.3		1.0	0.38
1330-20-7	Xylenes, Total	8.1		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-123
1868-53-7	Dibromofluoromethane (Surr)	97		77-124
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene	99		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21634.D
 Lims ID: 410-6533-B-15
 Client ID: MW-3-20200701
 Sample Type: Client
 Inject. Date: 10-Jul-2020 19:34:30 ALS Bottle#: 29 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-15
 Misc. Info.: 460-0113014-030
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 18:12:51 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1063

First Level Reviewer: yallabg

Date: 10-Jul-2020 19:56:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.940	2.941	-0.001	68	45508	1000.0	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	95	385365	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	103229	48.4	
61 Benzene	78	4.753	4.754	-0.001	92	7234	0.9391	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	84	123731	47.9	
* 67 Fluorobenzene	96	5.039	5.033	0.006	98	467818	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	29453	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	380069	51.2	
85 Toluene	91	6.755	6.749	0.006	92	10129	1.30	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	309502	50.0	
97 Ethylbenzene	106	8.580	8.580	0.000	99	19548	7.59	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	98	12701	4.09	
100 o-Xylene	106	9.255	9.249	0.006	93	13089	4.05	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	115247	49.7	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	174002	50.0	
S 138 Xylenes, Total	100				0		8.14	

Reagents:

8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent
 8260ISNEW_00139 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21634.D

Injection Date: 10-Jul-2020 19:34:30

Instrument ID: CVOAMS11

Operator ID: 30

Lims ID: 410-6533-B-15

Lab Sample ID: 460-6533-15

Worklist Smp#: 30

Client ID: MW-3-20200701

Purge Vol: 5.000 mL

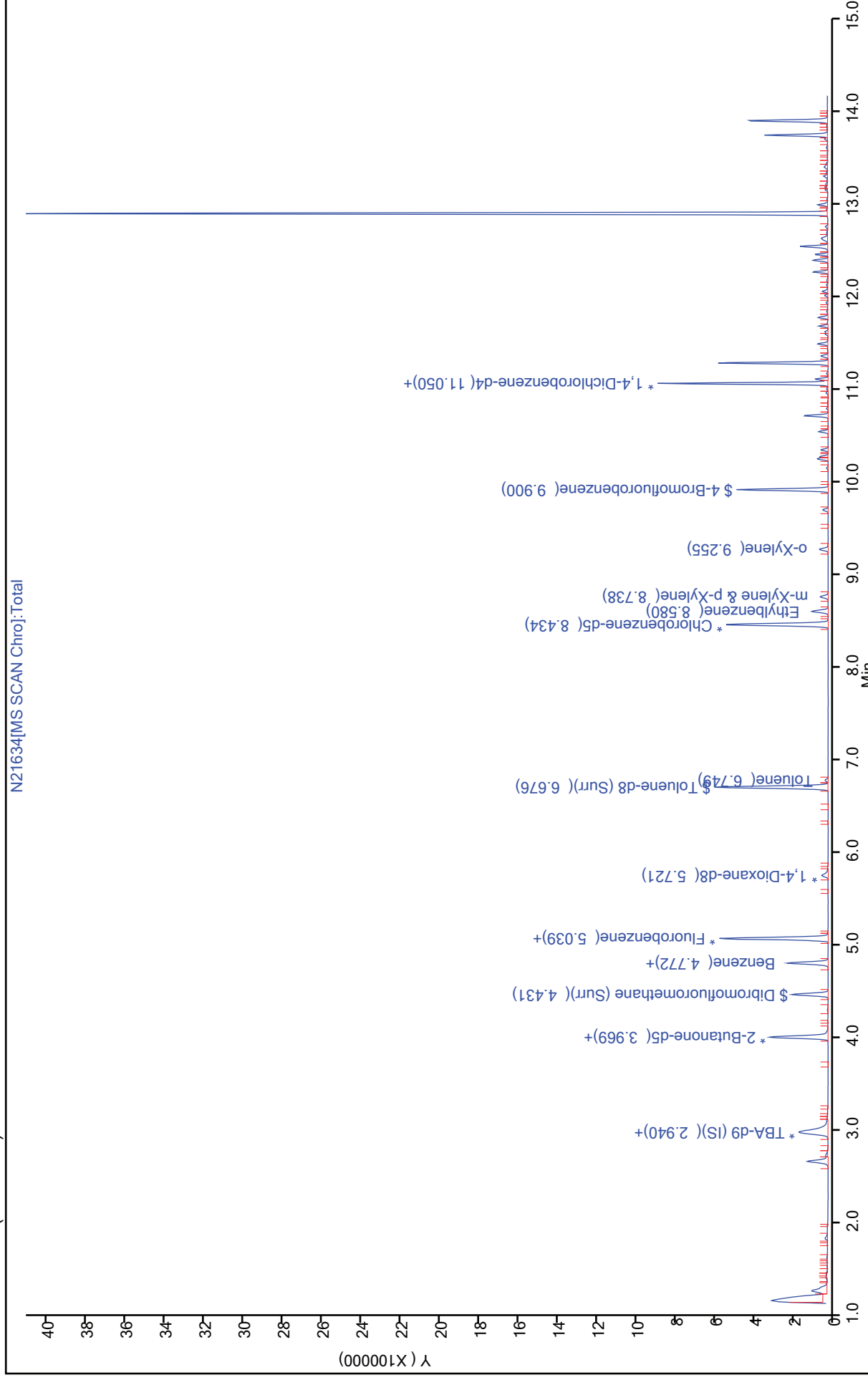
Dil. Factor: 1.0000

ALS Bottle#: 29

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21634.D

Injection Date: 10-Jul-2020 19:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-15

Lab Sample ID: 460-6533-15

Client ID: MW-3-20200701

Operator ID:

ALS Bottle#: 29 Worklist Smp#: 30

Purge Vol: 5.000 mL

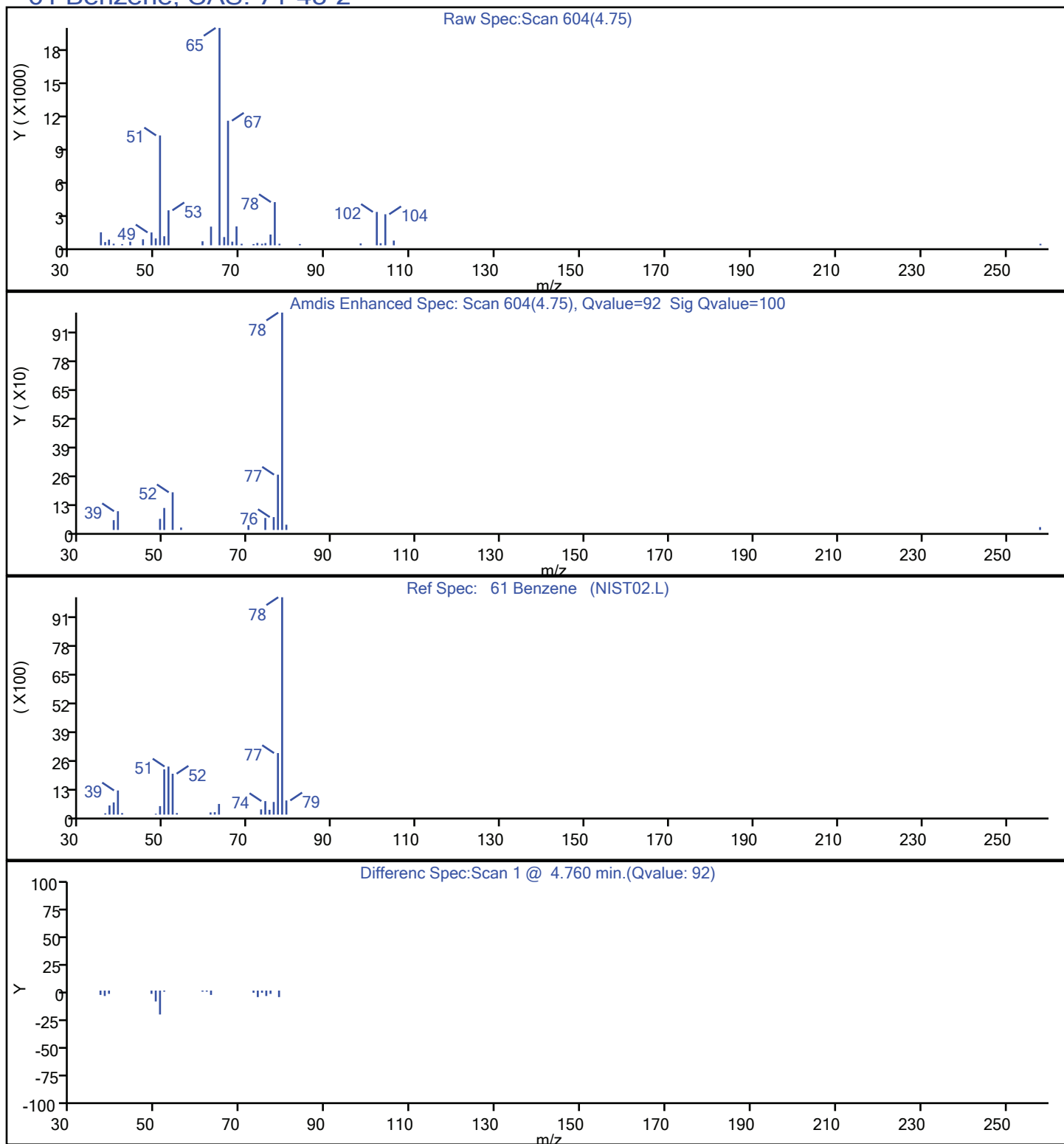
Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

61 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21634.D

Injection Date: 10-Jul-2020 19:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-15

Lab Sample ID: 460-6533-15

Client ID: MW-3-20200701

Operator ID:

ALS Bottle#:

29

Worklist Smp#:

30

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

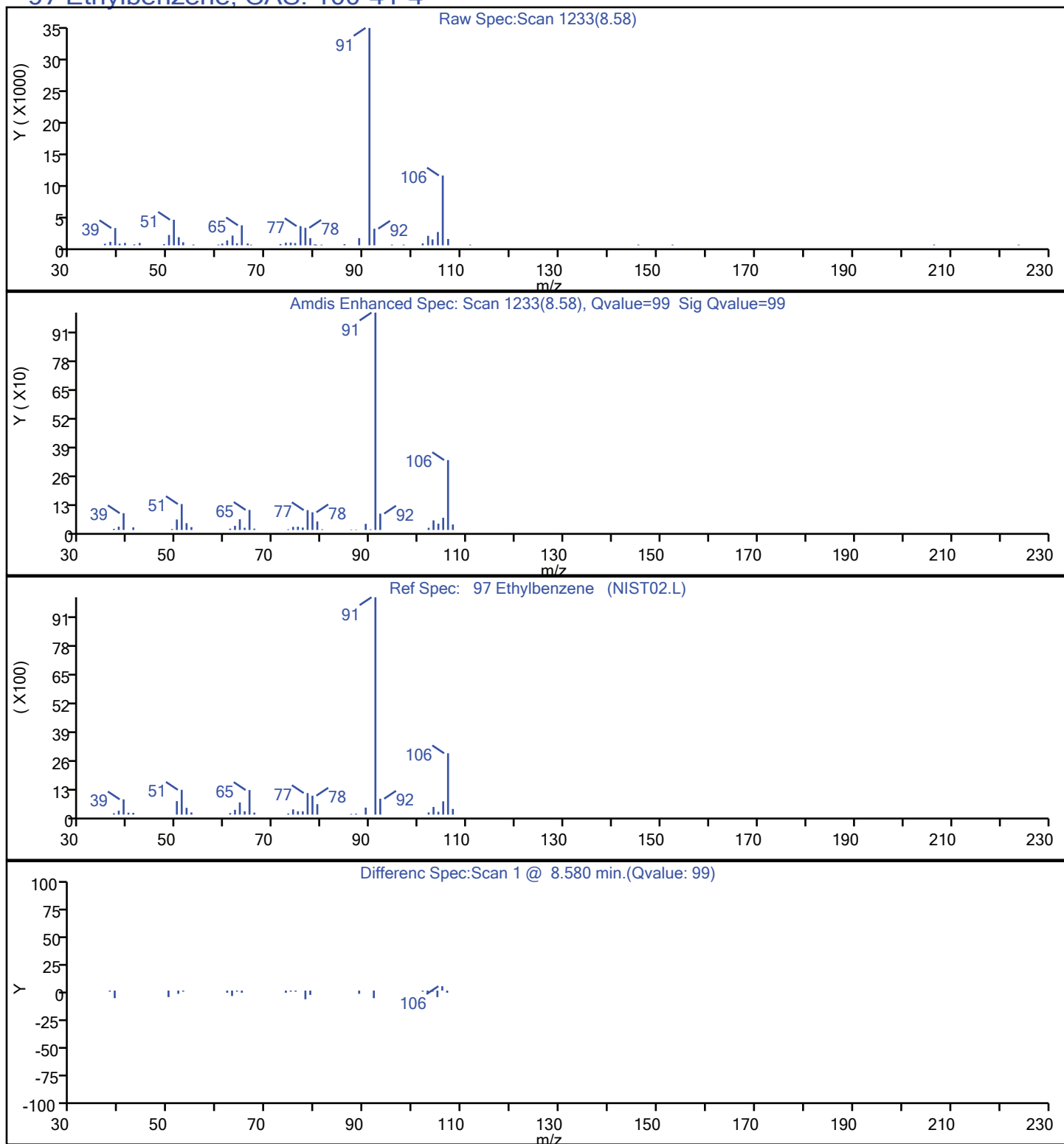
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

97 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21634.D

Injection Date: 10-Jul-2020 19:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-15

Lab Sample ID: 460-6533-15

Client ID: MW-3-20200701

Operator ID:

ALS Bottle#: 29 Worklist Smp#: 30

Purge Vol: 5.000 mL

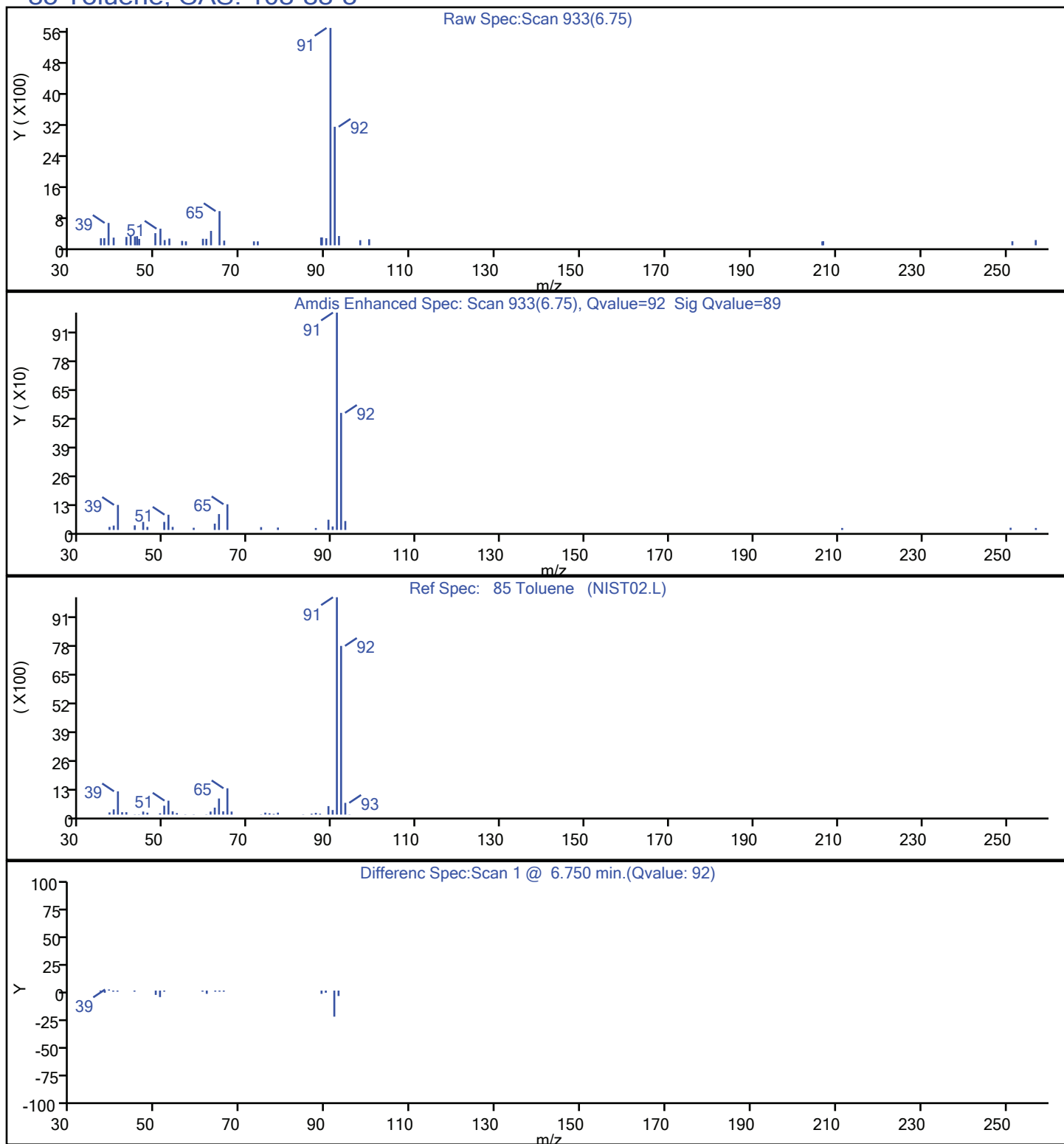
Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

85 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21634.D

Injection Date: 10-Jul-2020 19:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-15

Lab Sample ID: 460-6533-15

Client ID: MW-3-20200701

Operator ID:

ALS Bottle#:

29

Worklist Smp#: 30

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

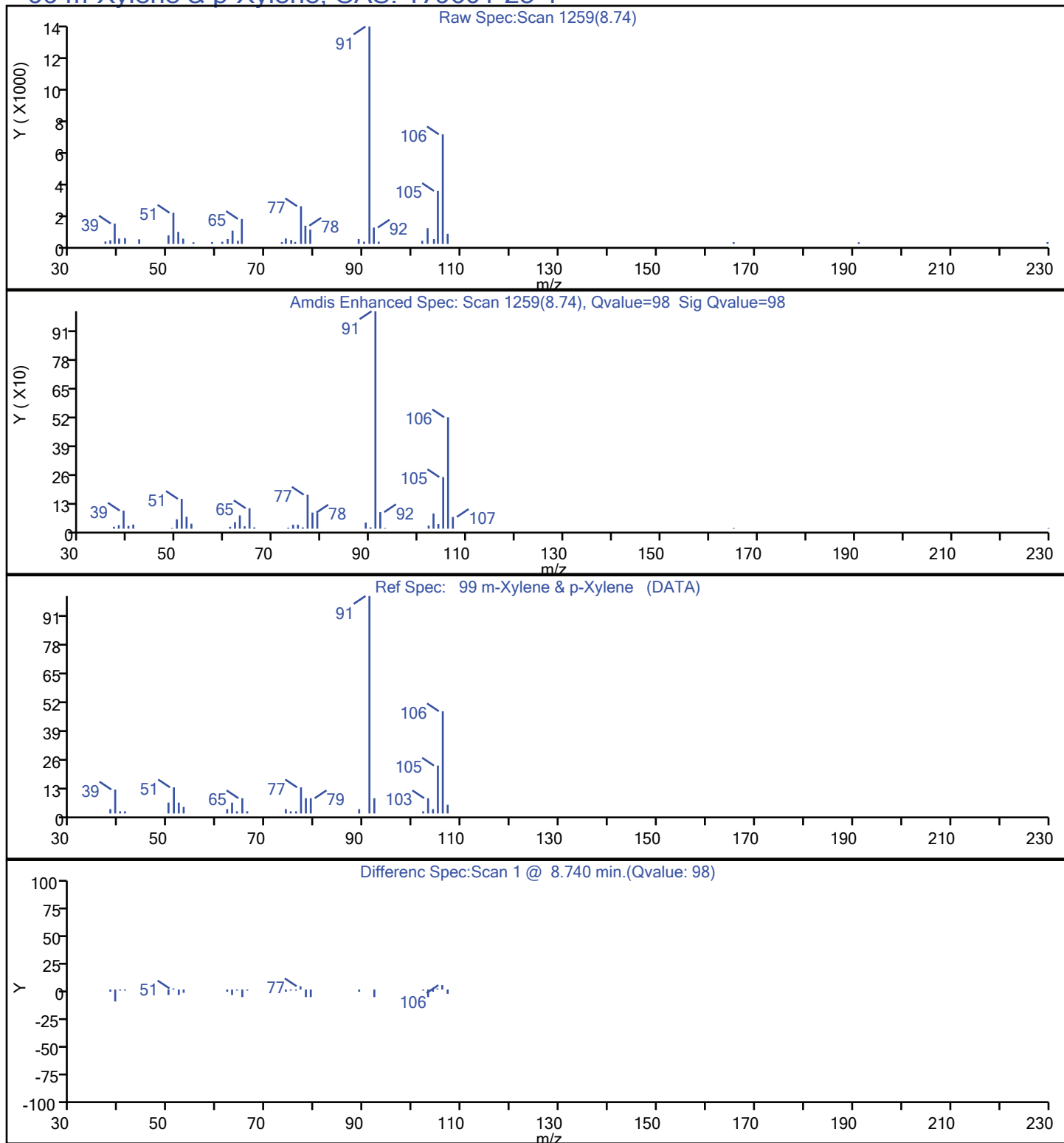
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

99 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21634.D

Injection Date: 10-Jul-2020 19:34:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-15

Lab Sample ID: 460-6533-15

Client ID: MW-3-20200701

Operator ID:

ALS Bottle#:

29

Worklist Smp#:

30

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

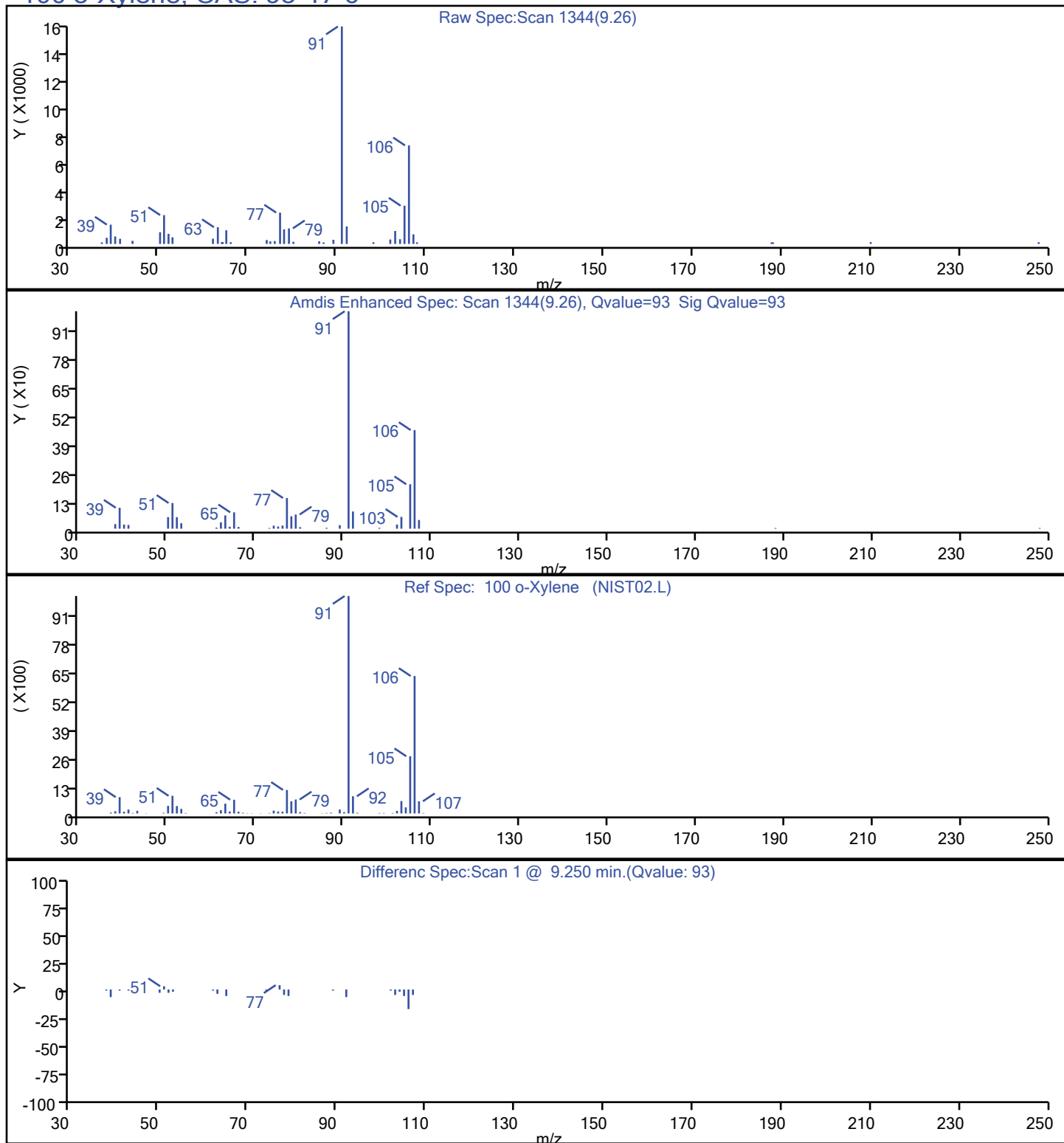
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

100 o-Xylene, CAS: 95-47-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-13S-20200701 Lab Sample ID: 410-6533-16
 Matrix: Ground Water Lab File ID: N21647.D
 Analysis Method: 8260C Date Collected: 07/01/2020 10:20
 Sample wt/vol: 5 (mL) Date Analyzed: 07/11/2020 00:03
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.1		1.0	0.20
100-41-4	Ethylbenzene	12		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	1.0		1.0	0.38
1330-20-7	Xylenes, Total	9.9		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
1868-53-7	Dibromofluoromethane (Surr)	96		77-124
2037-26-5	Toluene-d8 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene	103		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21647.D
 Lims ID: 410-6533-B-16
 Client ID: MW-13S-20200701
 Sample Type: Client
 Inject. Date: 11-Jul-2020 00:03:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-16
 Misc. Info.: 460-0113046-011
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:21:20 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1: Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: asfawa

Date: 13-Jul-2020 09:55:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.941	2.940	0.000	68	43316	1000.0	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	94	376882	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	96	104091	47.8	
61 Benzene	78	4.753	4.753	0.000	96	16445	2.08	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	84	125652	47.6	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	477970	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	76	27075	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	392522	51.6	
85 Toluene	91	6.749	6.749	0.000	93	8052	1.01	
* 95 Chlorobenzene-d5	117	8.434	8.440	-0.006	88	317087	50.0	
97 Ethylbenzene	106	8.580	8.580	0.000	98	32065	12.2	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	14091	4.43	
100 o-Xylene	106	9.255	9.255	0.000	94	18157	5.48	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	122807	51.7	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	177957	50.0	
S 138 Xylenes, Total	100				0		9.91	

Reagents:

8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent
 8260ISNEW_00139 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21647.D

Injection Date: 11-Jul-2020 00:03:30

Instrument ID: CVOAMS11

Operator ID: 11

Lims ID: 410-6533-B-16

Lab Sample ID: 460-6533-16

Worklist Smp#: 11

Client ID: MW-13S-20200701

Purge Vol: 5.000 mL

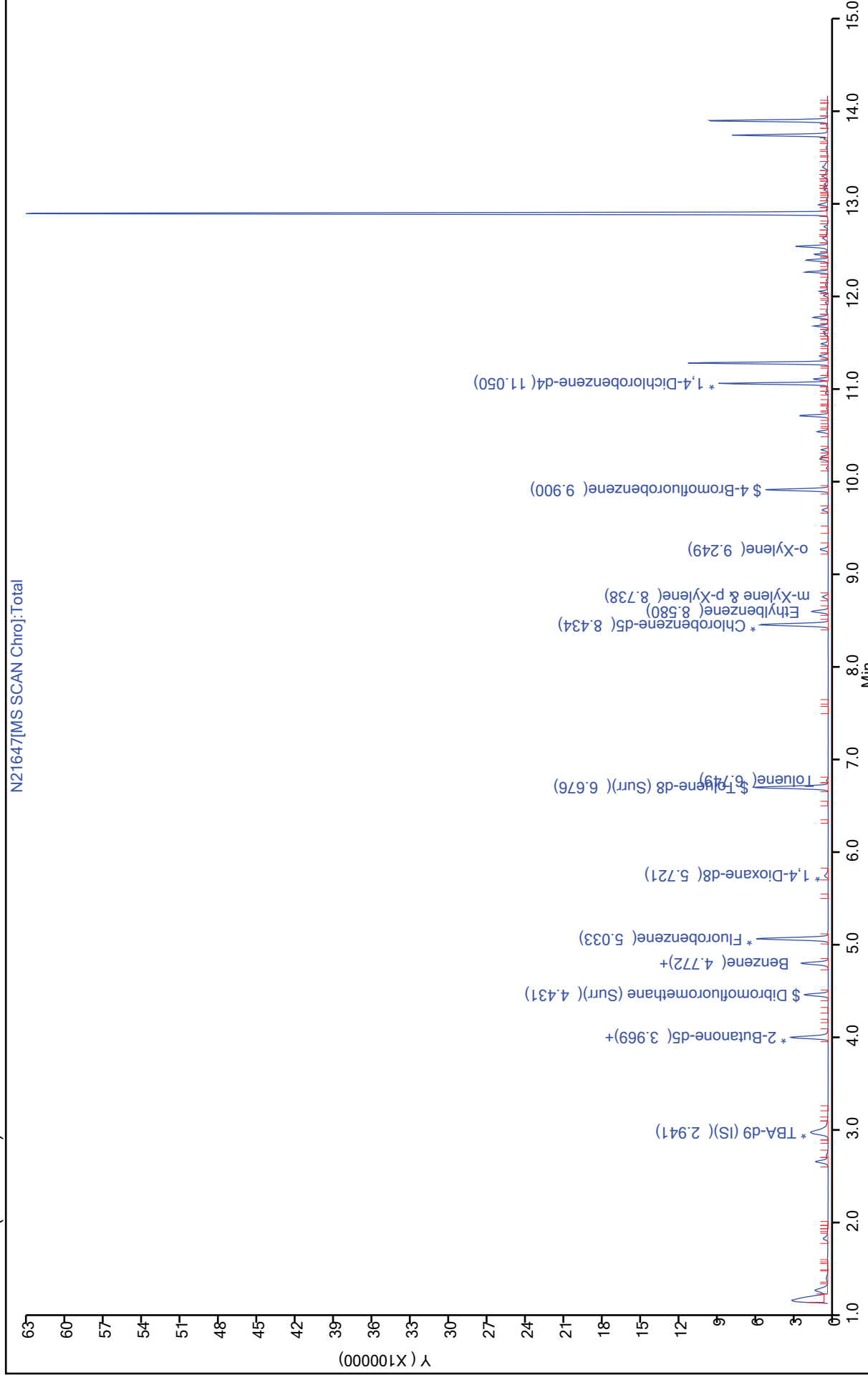
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21647.D

Injection Date: 11-Jul-2020 00:03:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-16

Lab Sample ID: 460-6533-16

Client ID: MW-13S-20200701

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

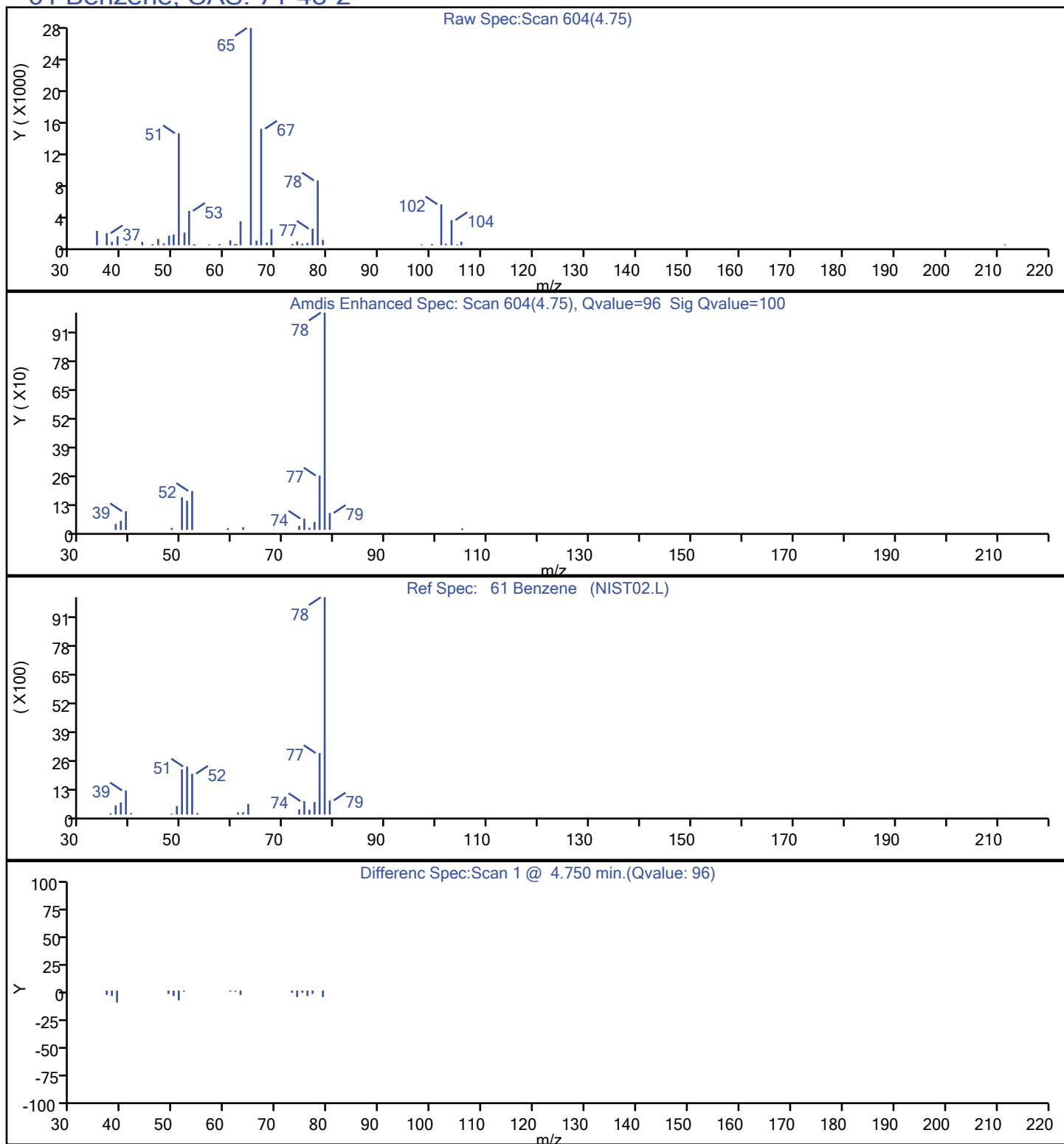
Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

61 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21647.D

Injection Date: 11-Jul-2020 00:03:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-16

Lab Sample ID: 460-6533-16

Client ID: MW-13S-20200701

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

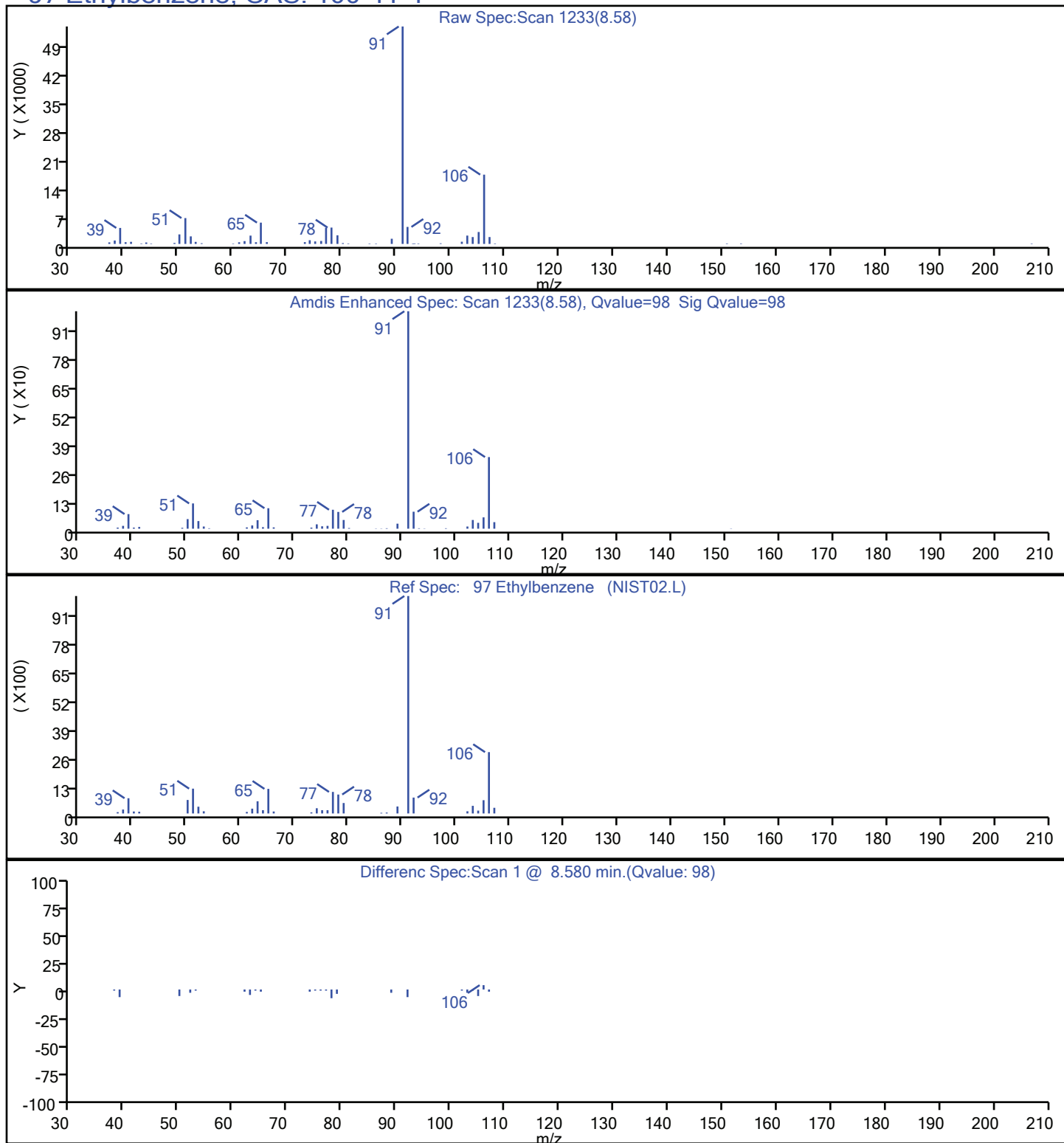
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

97 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21647.D

Injection Date: 11-Jul-2020 00:03:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-16

Lab Sample ID: 460-6533-16

Client ID: MW-13S-20200701

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

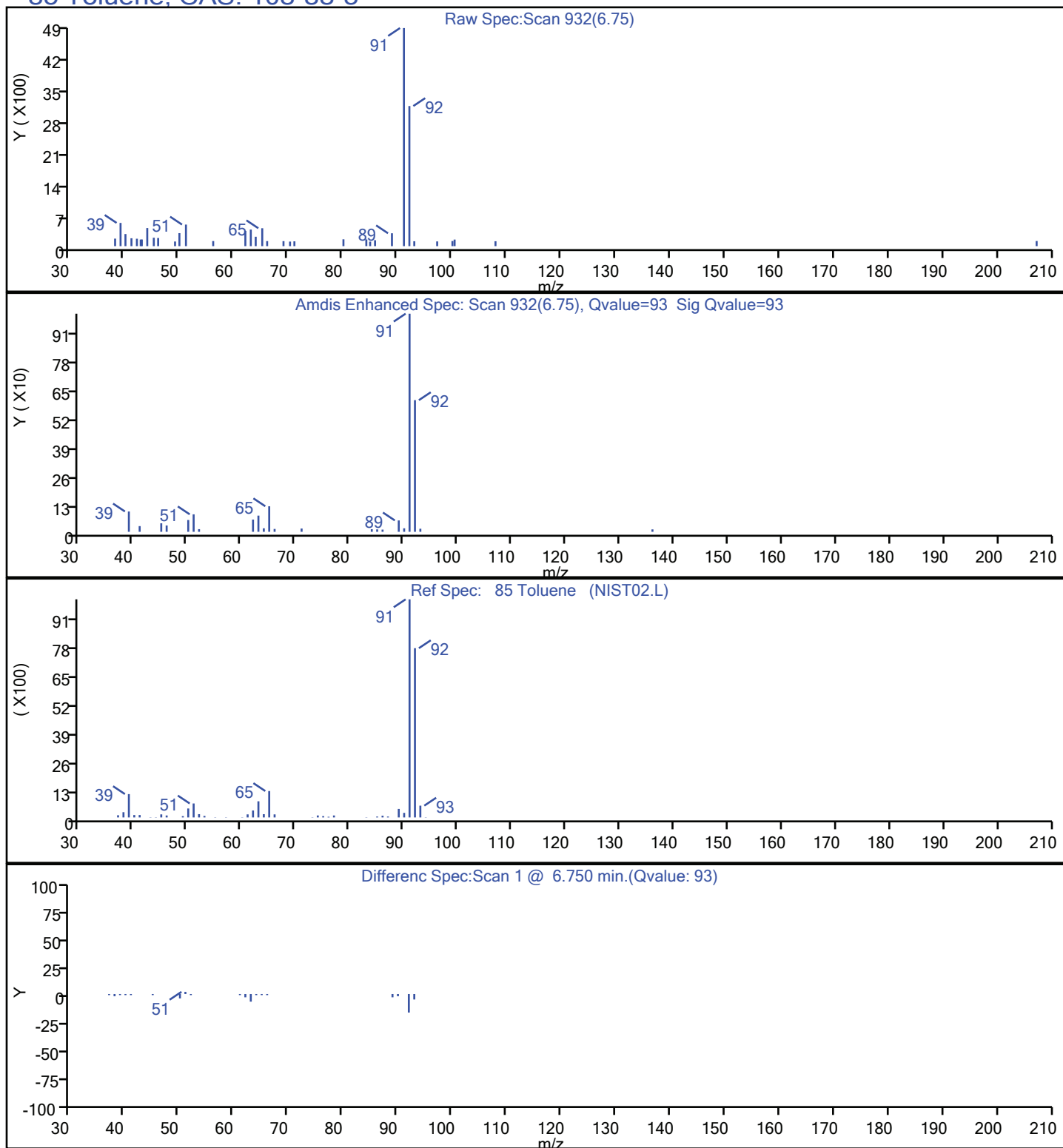
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

85 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21647.D

Injection Date: 11-Jul-2020 00:03:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-16

Lab Sample ID: 460-6533-16

Client ID: MW-13S-20200701

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

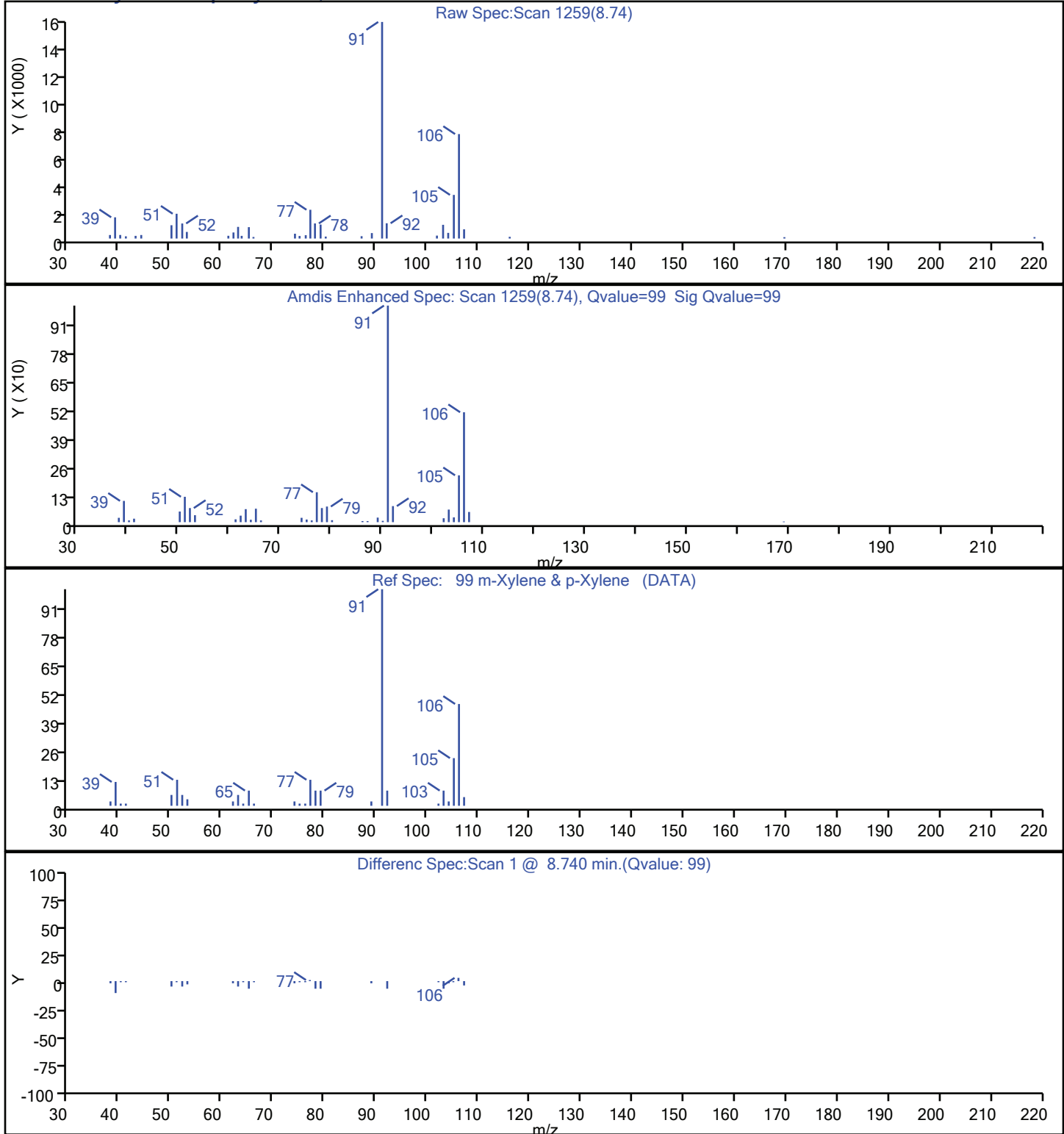
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

99 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21647.D

Injection Date: 11-Jul-2020 00:03:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-16

Lab Sample ID: 460-6533-16

Client ID: MW-13S-20200701

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL

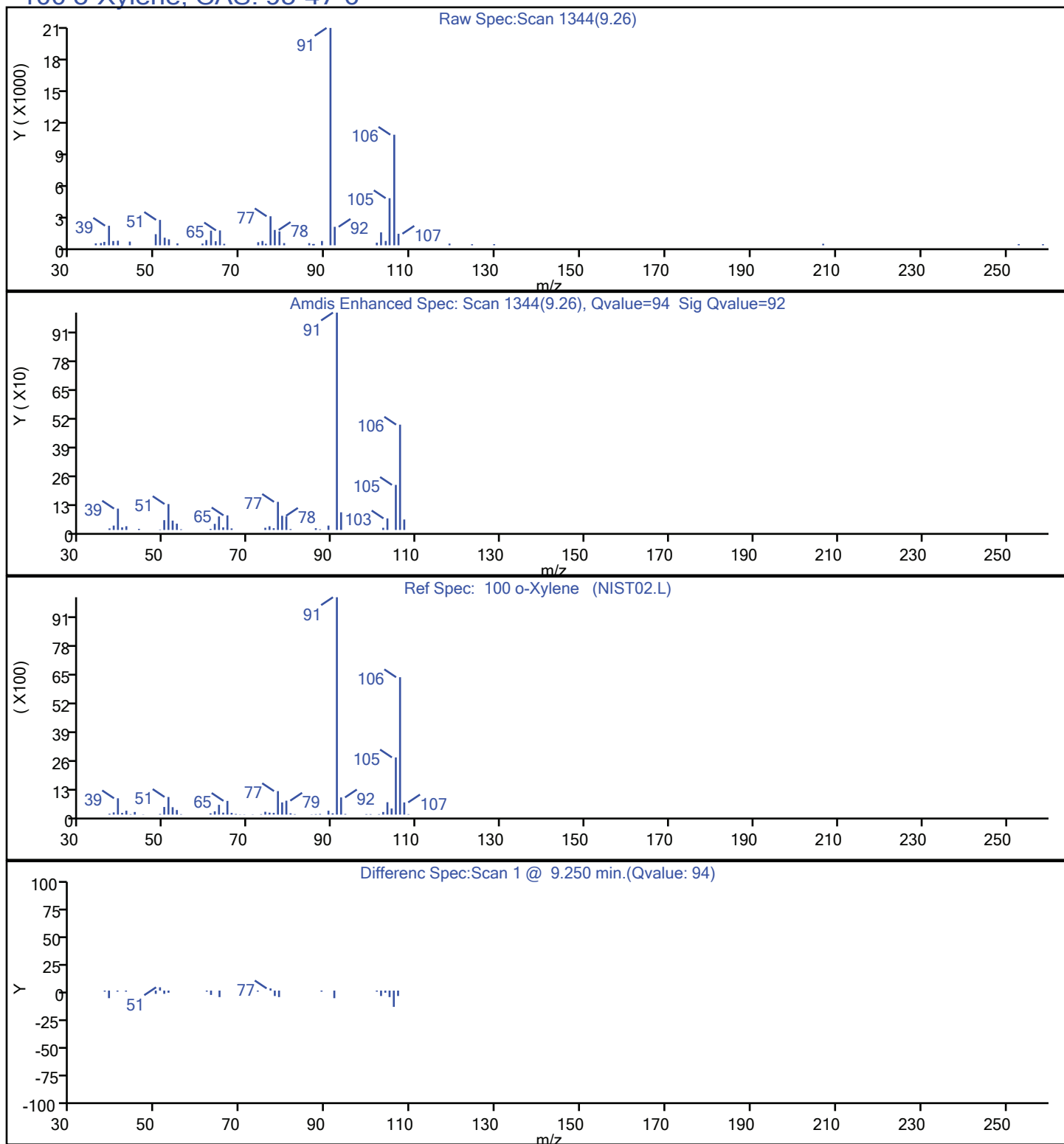
Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector MS SCAN

100 o-Xylene, CAS: 95-47-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-13D-20200701 Lab Sample ID: 410-6533-17
 Matrix: Ground Water Lab File ID: N21649.D
 Analysis Method: 8260C Date Collected: 07/01/2020 11:10
 Sample wt/vol: 5 (mL) Date Analyzed: 07/11/2020 03:13
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-123
1868-53-7	Dibromofluoromethane (Surr)	97		77-124
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene	101		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21649.D
 Lims ID: 410-6533-A-17
 Client ID: MW-13D-20200701
 Sample Type: Client
 Inject. Date: 11-Jul-2020 03:13:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-17
 Misc. Info.: 460-0113046-013
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:21:20 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: boykink

Date: 12-Jul-2020 12:34:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.928	2.940	-0.012	68	44250	1000.0	
* 43 2-Butanone-d5	46	3.963	3.969	-0.006	95	390547	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	106764	48.6	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	83	129839	48.8	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	481709	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	76	30176	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.670	6.676	-0.006	99	396153	52.4	
* 95 Chlorobenzene-d5	117	8.434	8.440	-0.006	88	315128	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	119208	50.5	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	175478	50.0	
135 Naphthalene	128	12.887	12.887	0.000	99	8695	0.99	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21649.D

Injection Date: 11-Jul-2020 03:13:30

Instrument ID: CVOAMS11

Operator ID: 13

Lims ID: 410-6533-A-17

Lab Sample ID: 460-6533-17

Worklist Smp#: 13

Client ID: MW-13D-20200701

Purge Vol: 5.000 mL

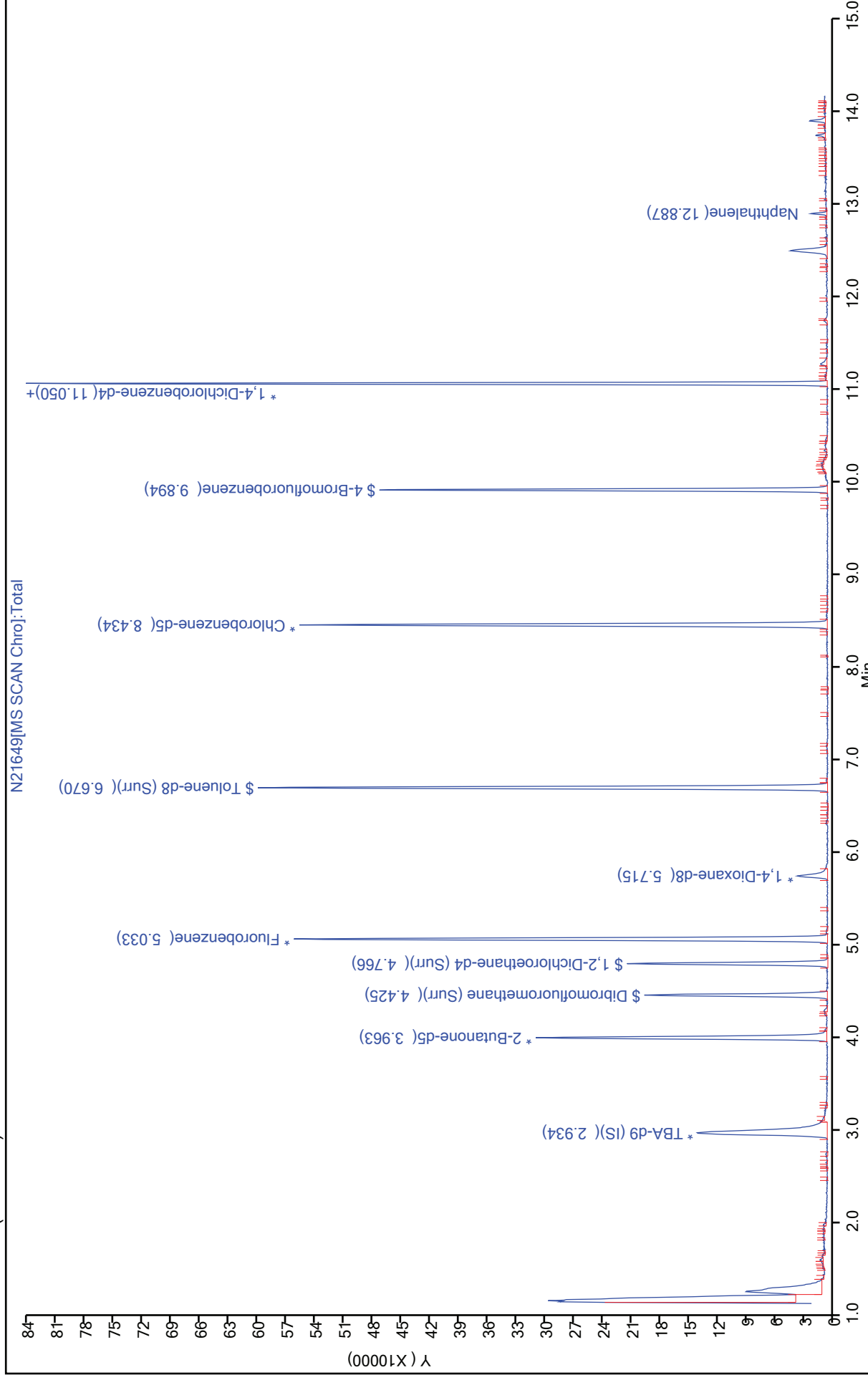
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-12S-20200701 Lab Sample ID: 410-6533-18
 Matrix: Ground Water Lab File ID: N21650.D
 Analysis Method: 8260C Date Collected: 07/01/2020 12:40
 Sample wt/vol: 5 (mL) Date Analyzed: 07/11/2020 03:35
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	76		75-123
1868-53-7	Dibromofluoromethane (Surr)	79		77-124
2037-26-5	Toluene-d8 (Surr)	83		80-120
460-00-4	4-Bromofluorobenzene	80		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21650.D
 Lims ID: 410-6533-B-18
 Client ID: MW-12S-20200701
 Sample Type: Client
 Inject. Date: 11-Jul-2020 03:35:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-18
 Misc. Info.: 460-0113046-014
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:21:20 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: boykink

Date: 12-Jul-2020 12:34:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.941	2.940	0.001	68	43459	1000.0	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	95	392024	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	86097	39.3	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	84	101409	38.2	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	480833	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	75	28669	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	314397	41.4	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	316247	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	91	95041	40.1	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	97	174798	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21650.D

Injection Date: 11-Jul-2020 03:35:30

Instrument ID: CVOAMS11

Operator ID: 14

Lims ID: 410-6533-B-18

Lab Sample ID: 460-6533-18

Worklist Smp#: 14

Client ID: MW-12S-20200701

Purge Vol: 5.000 mL

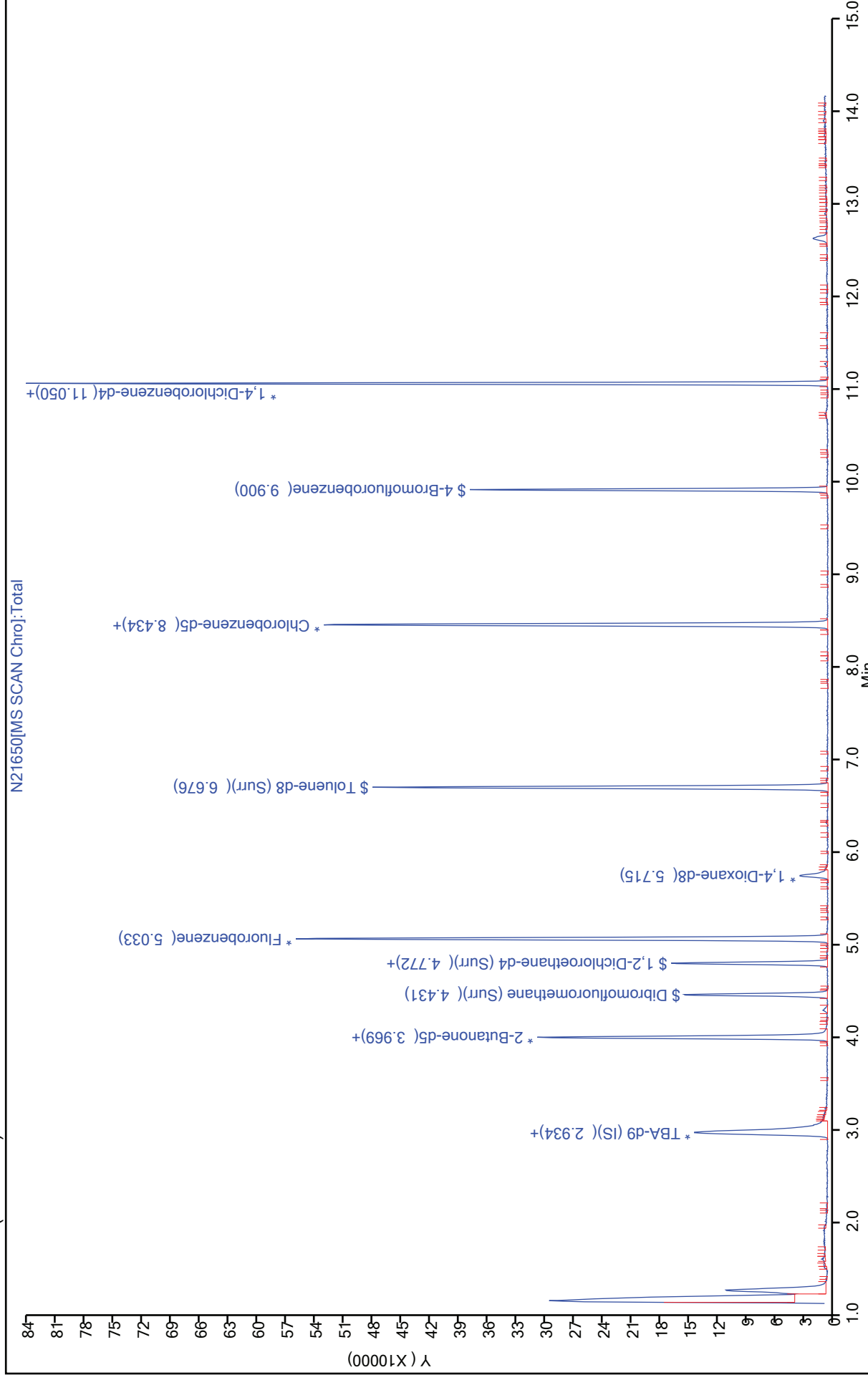
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-12D-20200701 Lab Sample ID: 410-6533-19
 Matrix: Ground Water Lab File ID: N21651.D
 Analysis Method: 8260C Date Collected: 07/01/2020 13:17
 Sample wt/vol: 5 (mL) Date Analyzed: 07/11/2020 03:58
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
1868-53-7	Dibromofluoromethane (Surr)	93		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	97		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21651.D
 Lims ID: 410-6533-A-19
 Client ID: MW-12D-20200701
 Sample Type: Client
 Inject. Date: 11-Jul-2020 03:58:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-19
 Misc. Info.: 460-0113046-015
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:21:20 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1: Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: boykink

Date: 12-Jul-2020 12:34:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.929	2.940	-0.011	68	41997	1000.0	
* 43 2-Butanone-d5	46	3.963	3.969	-0.006	95	366052	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	96	98043	46.4	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	84	119009	46.5	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	463225	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	73	26867	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	370211	50.2	
* 95 Chlorobenzene-d5	117	8.434	8.440	-0.006	88	307471	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	112063	48.7	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	167887	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21651.D

Injection Date: 11-Jul-2020 03:58:30

Instrument ID: CVOAMS11

Operator ID: 15

Lims ID: 410-6533-A-19

Lab Sample ID: 460-6533-19

Worklist Smp#: 15

Client ID: MW-12D-20200701

Purge Vol: 5.000 mL

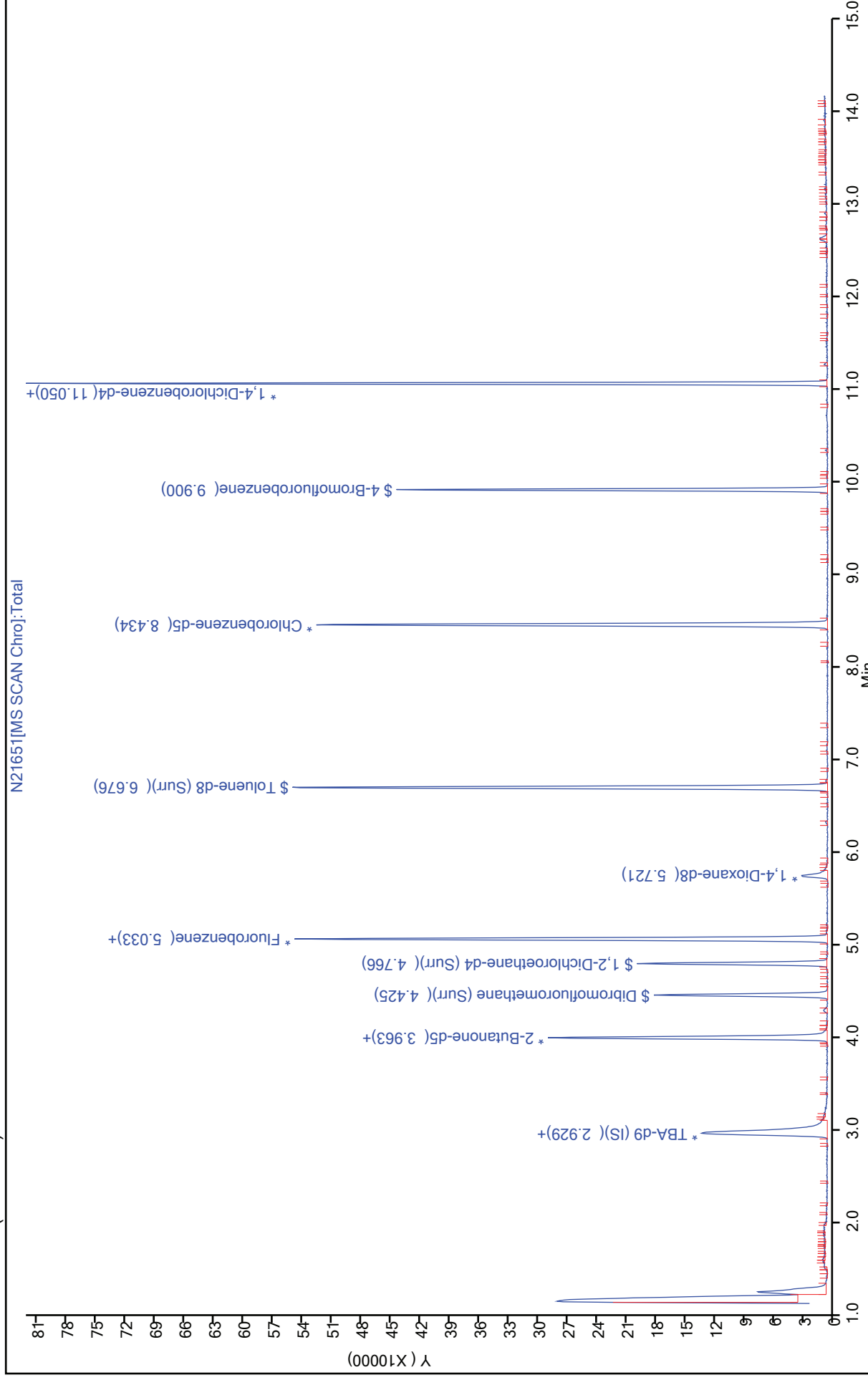
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: DUP-20200701 Lab Sample ID: 410-6533-20
 Matrix: Ground Water Lab File ID: N21652.D
 Analysis Method: 8260C Date Collected: 07/01/2020 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/11/2020 04:21
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.0		1.0	0.20
100-41-4	Ethylbenzene	7.6		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	1.3		1.0	0.38
1330-20-7	Xylenes, Total	8.2		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
1868-53-7	Dibromofluoromethane (Surr)	93		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	101		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21652.D
 Lims ID: 410-6533-A-20
 Client ID: DUP-20200701
 Sample Type: Client
 Inject. Date: 11-Jul-2020 04:21:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-20
 Misc. Info.: 460-0113046-016
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:21:20 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: boykink

Date: 12-Jul-2020 12:35:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.940	2.940	0.000	68	48315	1000.0	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	95	402358	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	103211	46.5	
61 Benzene	78	4.759	4.753	0.006	97	8284	1.03	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	74	127220	47.3	
* 67 Fluorobenzene	96	5.039	5.033	0.006	98	486719	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	30061	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	387607	49.9	
85 Toluene	91	6.755	6.749	0.006	93	10251	1.26	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	87	323455	50.0	
97 Ethylbenzene	106	8.580	8.580	0.000	99	20351	7.56	
99 m-Xylene & p-Xylene	106	8.744	8.738	0.006	98	13410	4.13	
100 o-Xylene	106	9.255	9.255	0.000	94	13737	4.06	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	122031	50.4	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	180078	50.0	
S 138 Xylenes, Total	100				0		8.19	

Reagents:

8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent
 8260ISNEW_00139 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21652.D

Injection Date: 11-Jul-2020 04:21:30

Instrument ID: CVOAMS11

Operator ID: 16

Lims ID: 410-6533-A-20

Lab Sample ID: 460-6533-20

Worklist Smp#: 16

Client ID: DUP-20200701

Purge Vol: 5.000 mL

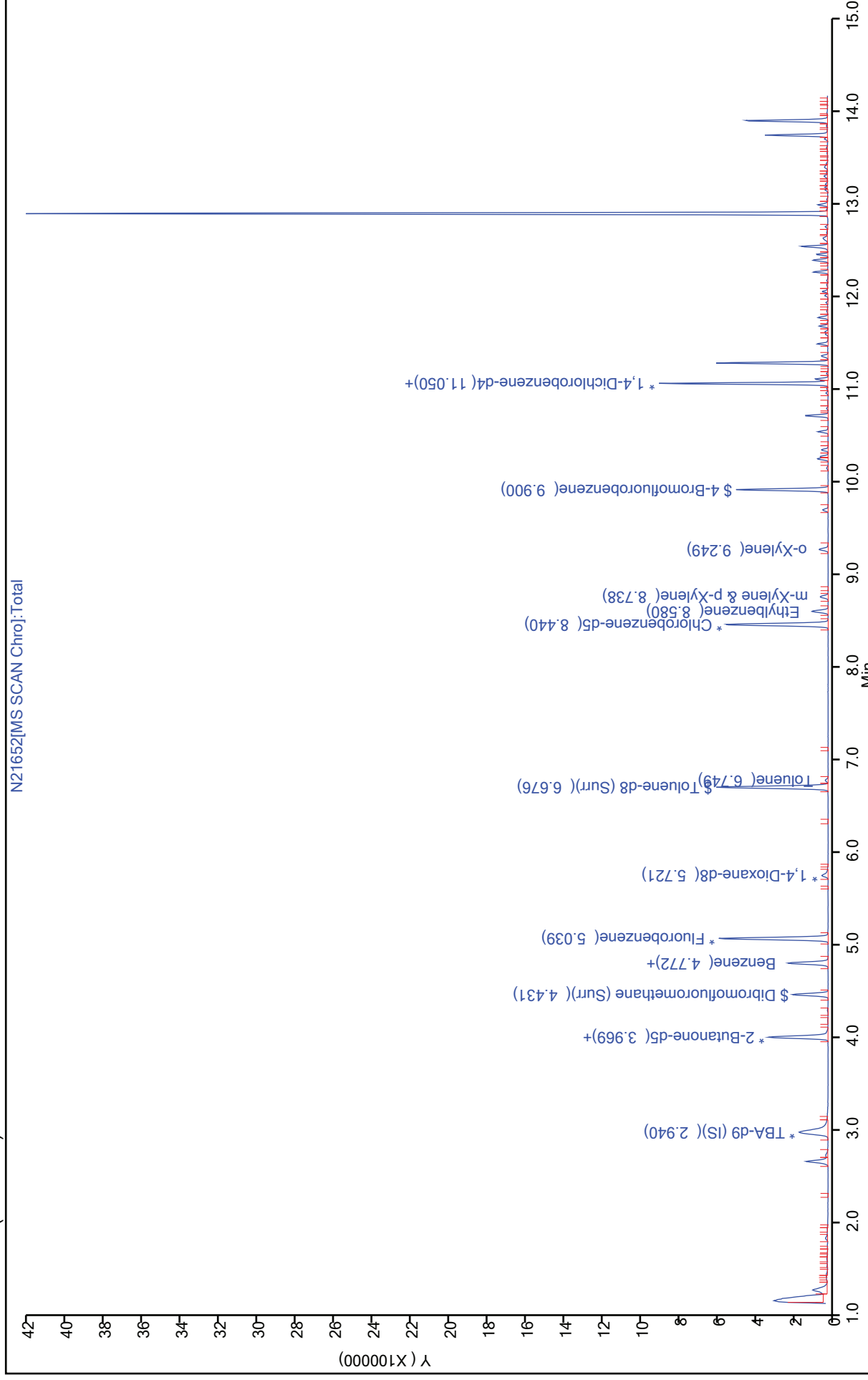
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21652.D

Injection Date: 11-Jul-2020 04:21:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-20

Lab Sample ID: 460-6533-20

Client ID: DUP-20200701

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

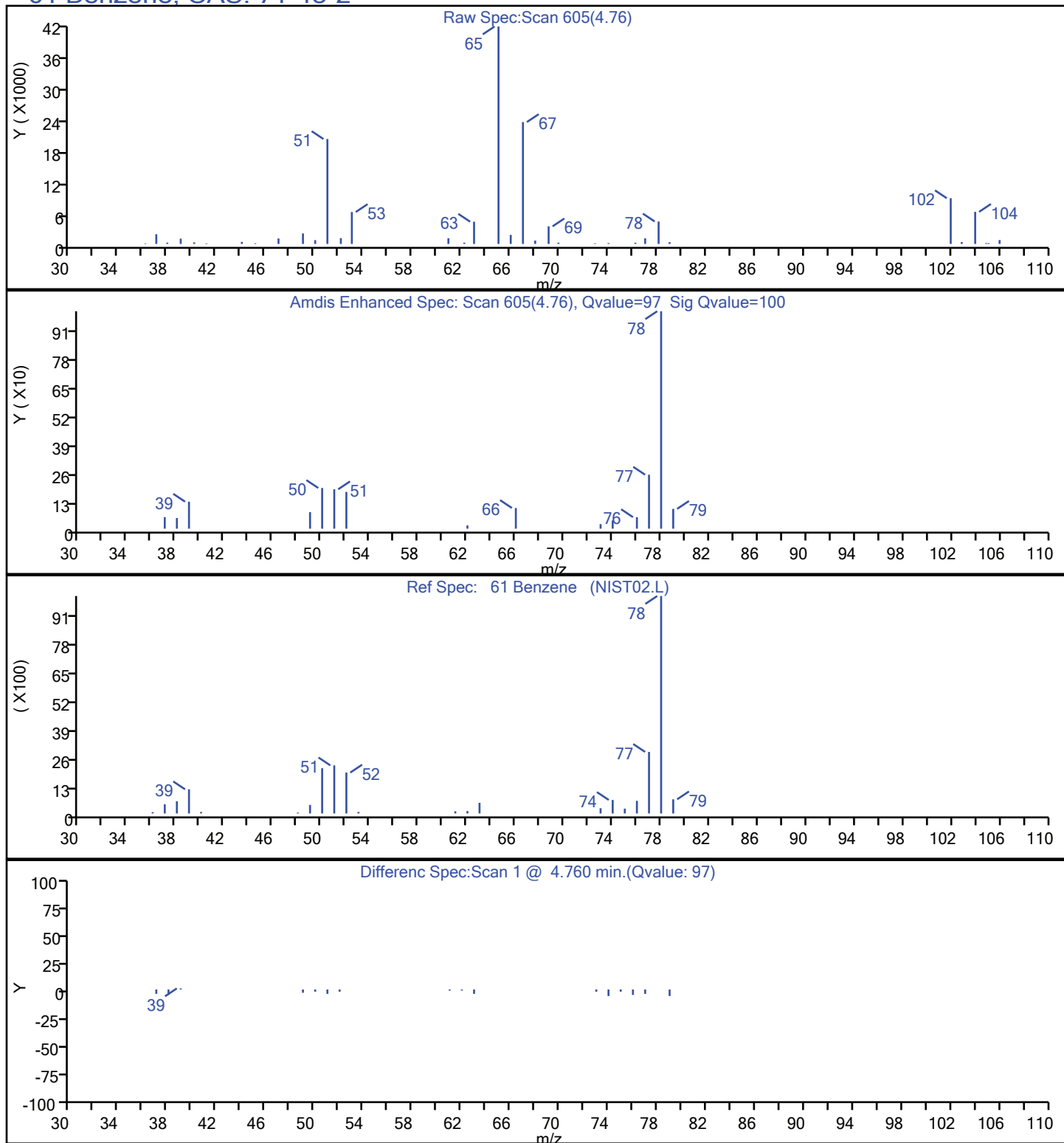
VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

61 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21652.D

Injection Date: 11-Jul-2020 04:21:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-20

Lab Sample ID: 460-6533-20

Client ID: DUP-20200701

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

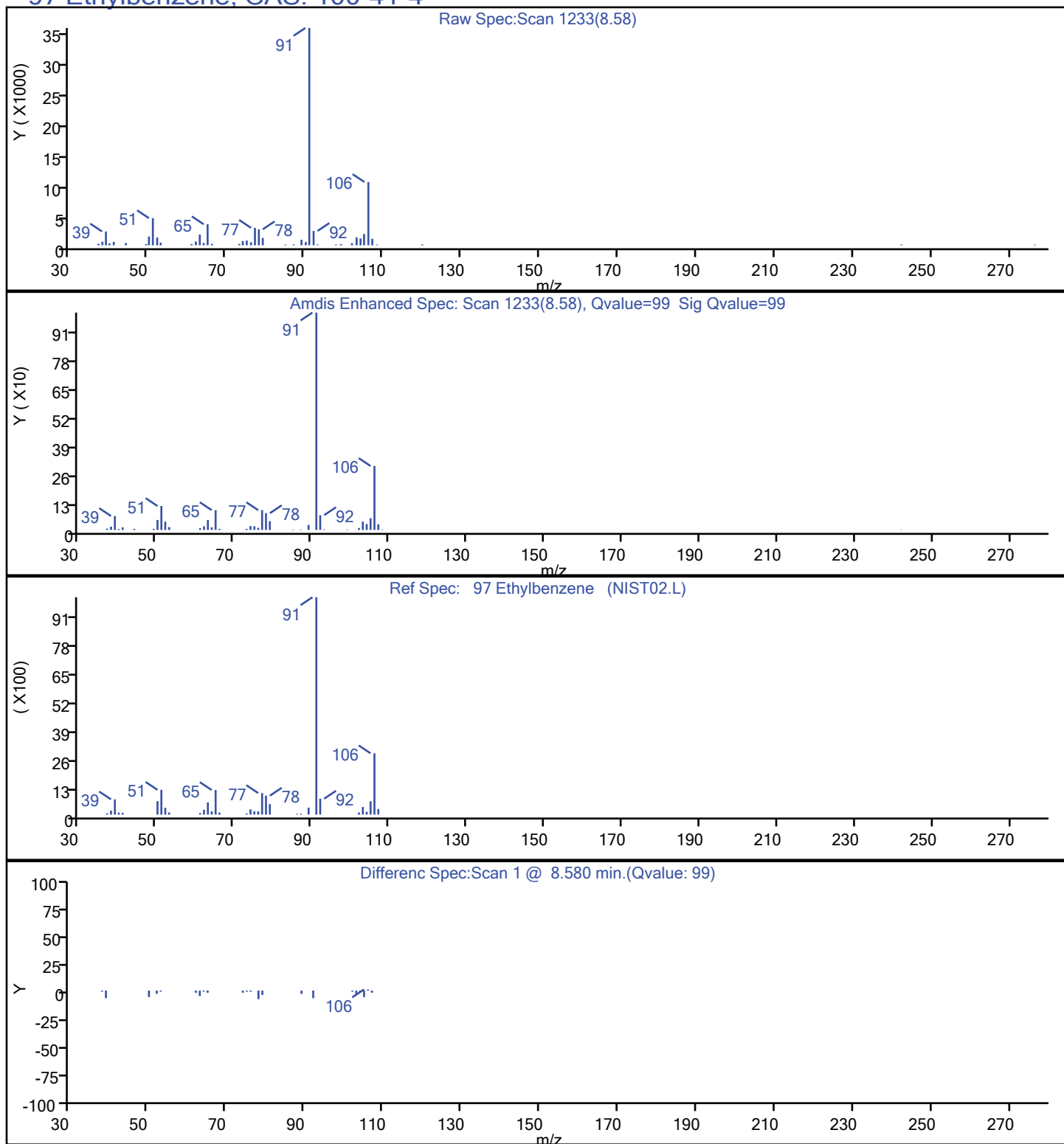
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

97 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21652.D

Injection Date: 11-Jul-2020 04:21:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-20

Lab Sample ID: 460-6533-20

Client ID: DUP-20200701

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

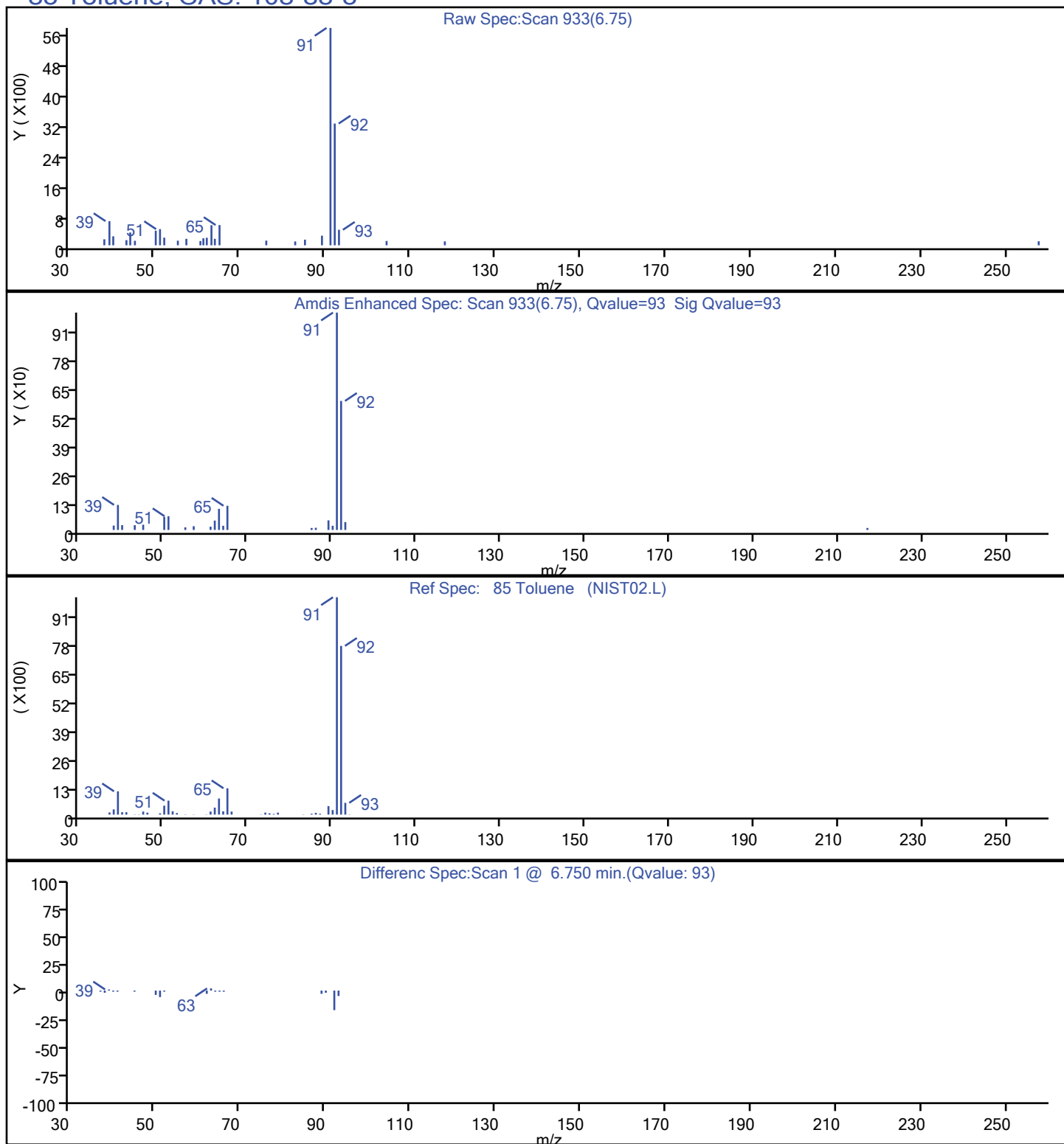
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

85 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21652.D

Injection Date: 11-Jul-2020 04:21:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-20

Lab Sample ID: 460-6533-20

Client ID: DUP-20200701

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

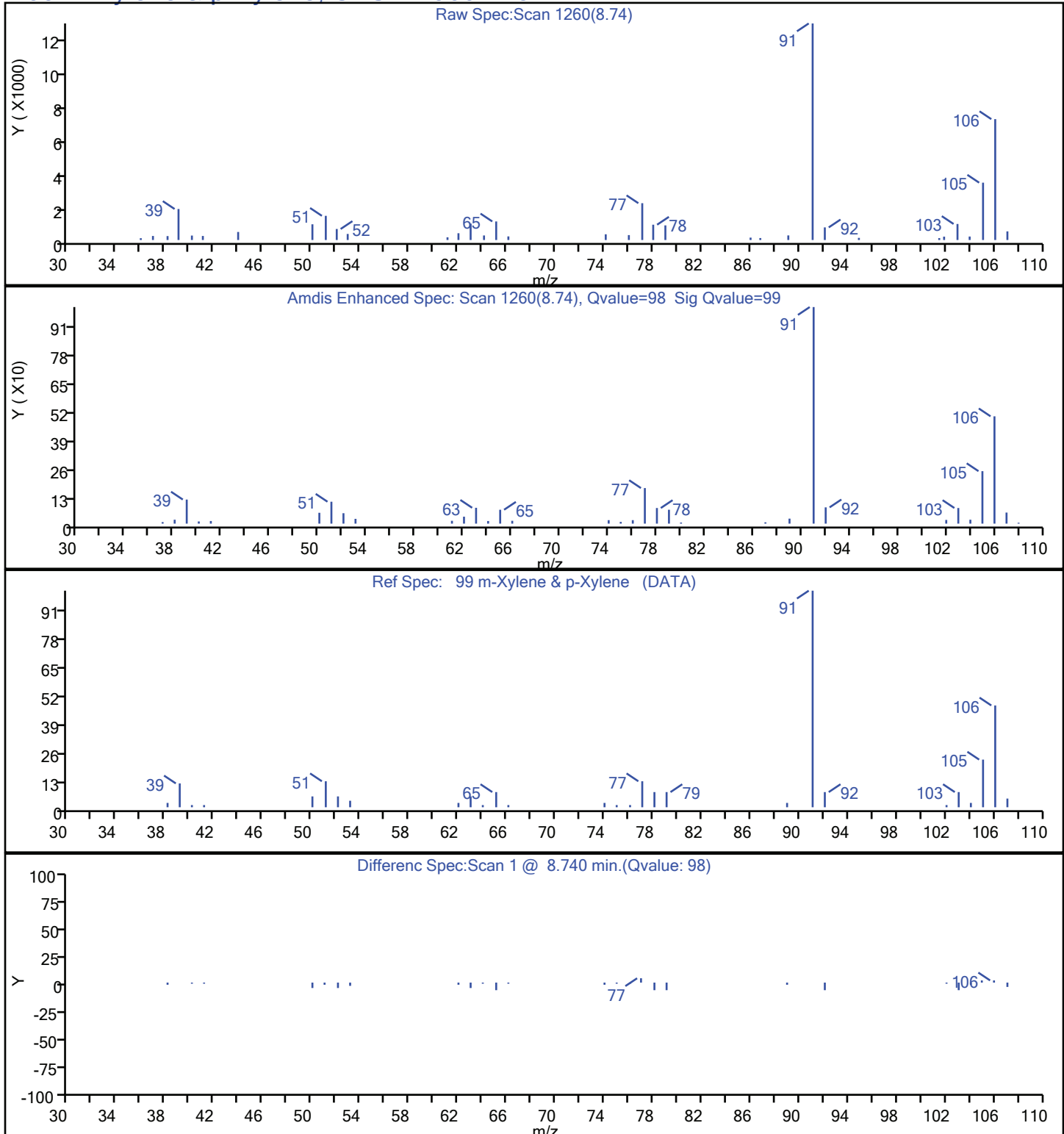
Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

99 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21652.D

Injection Date: 11-Jul-2020 04:21:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-A-20

Lab Sample ID: 460-6533-20

Client ID: DUP-20200701

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

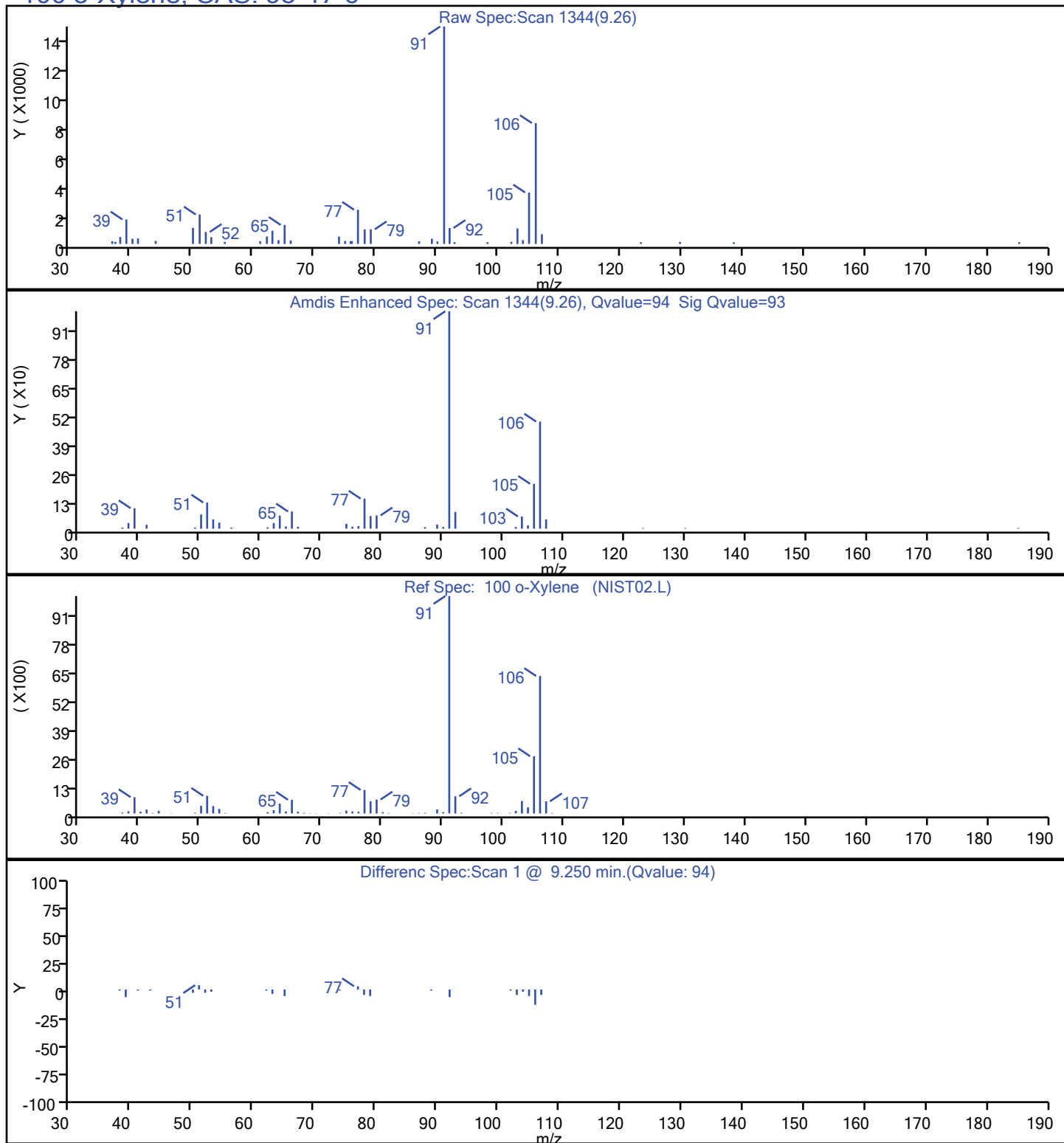
VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

100 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: TB-20200630 Lab Sample ID: 410-6533-21
 Matrix: Water Lab File ID: N21615.D
 Analysis Method: 8260C Date Collected: 06/30/2020 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 12:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
1868-53-7	Dibromofluoromethane (Surr)	97		77-124
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene	100		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21615.D
 Lims ID: 410-6533-D-21
 Client ID: TB-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 12:25:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-D-21
 Misc. Info.: 460-0113014-011
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 15:25:15 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1: Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1036

First Level Reviewer: xuyvo

Date: 10-Jul-2020 15:27:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.929	2.941	-0.012	68	38716	1000.0	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	94	341217	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	104610	48.7	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	84	123205	47.3	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	471048	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	75	25196	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	391202	51.8	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	314543	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	117947	50.1	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	172894	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21615.D

Injection Date: 10-Jul-2020 12:25:30

Instrument ID: CVOAMS11

Operator ID: 11

Lims ID: 410-6533-D-21

Lab Sample ID: 460-6533-21

Worklist Smp#: 11

Client ID: TB-20200630

Purge Vol: 5.000 mL

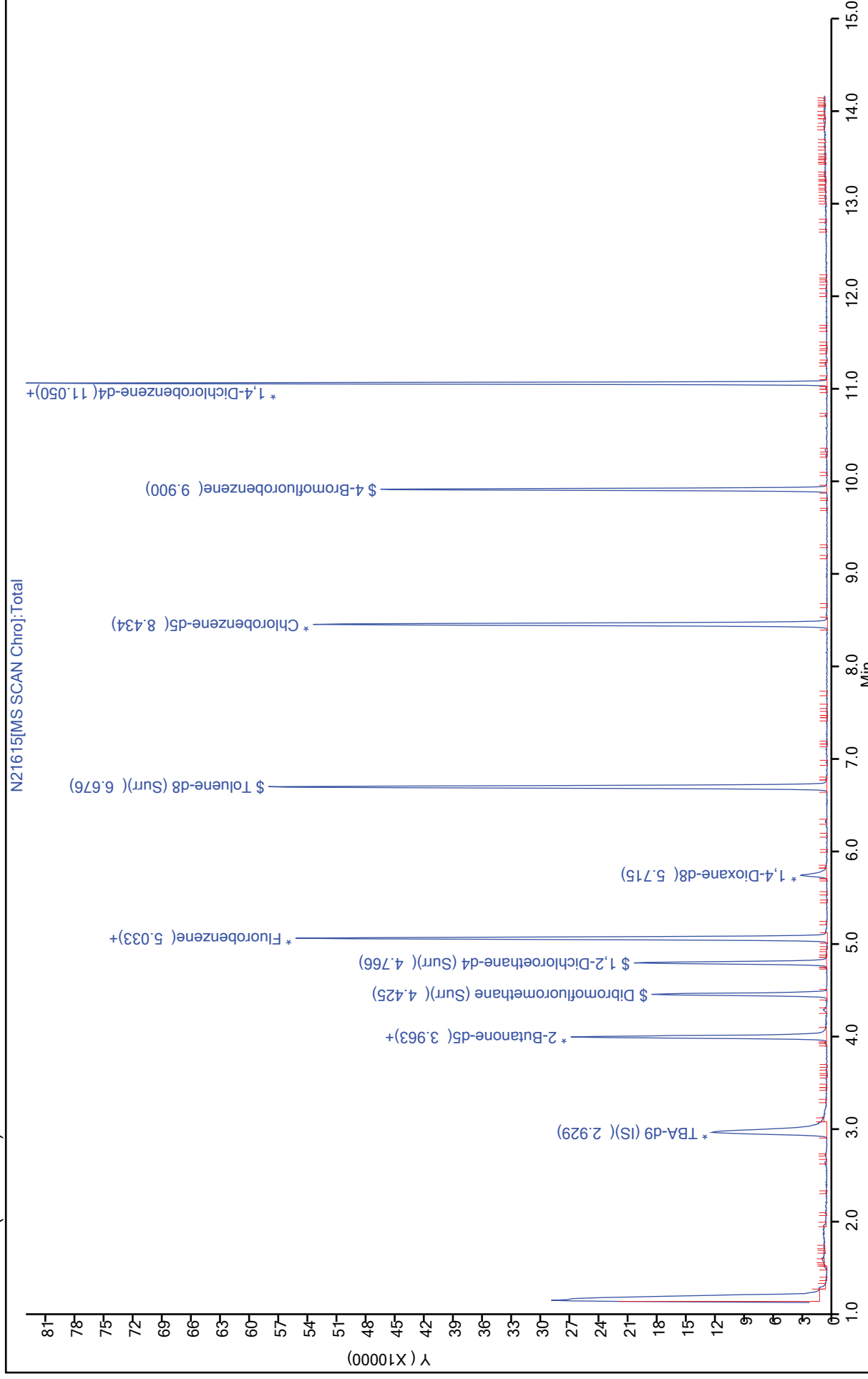
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.: Heated Purge: (Y/N) N

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Calibration ID: 80662

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-700493/3	A89503.D
Level 2	STD1 460-700493/4	A89504.D
Level 3	STD5 460-700493/5	A89505.D
Level 4	STD20 460-700493/6	A89506.D
Level 5	STD50 460-700493/7	A89507.D
Level 6	STD200 460-700493/8	A89508.D
Level 7	STD500 460-700493/9	A89509.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								
Monochloropentafluoroethane	+++++ 0.0221	+++++ 0.0250	0.0384	0.0345	0.0356	Ave			0.0311				22.9	*	20.0			
Chlorotrifluoroethene	+++++ 0.1186	0.1425 0.1175	0.1370	0.1418	0.1333	Ave			0.1318				8.5		20.0			
1,1-Difluoroethane	+++++ 0.2761	0.3714 0.2752	0.3109	0.3236	0.3216	Ave			0.3131				11.4		20.0			
Dichlorodifluoromethane	+++++ 0.4261	0.3915 0.4252	0.4566	0.4458	0.4429	Ave			0.4313			0.1000	5.3		20.0			
Chlorodifluoromethane	+++++ 0.3196	0.4334 0.3695	0.4024	0.3760	0.4134	Ave			0.3857				10.4		20.0			
Chloromethane	+++++ 0.4765	0.5719 0.4708	0.5451	0.4915	0.5282	Ave			0.5140			0.1000	7.9		20.0			
Vinyl chloride	+++++ 0.4678	0.5900 0.4668	0.4995	0.4665	0.4928	Ave			0.4972			0.1000	9.6		20.0			
Butadiene	0.4467 0.4039	0.4389 0.3909	0.3788	0.3929	0.4127	Ave			0.4093				6.2		20.0			
Bromomethane	+++++ 0.3143	0.4246 0.3089	0.3450	0.3200	0.3330	Ave			0.3410			0.1000	12.6		20.0			
Chloroethane	+++++ 0.2625	0.3184 0.2619	0.2957	0.2504	0.2766	Ave			0.2776			0.1000	9.1		20.0			
Dichlorofluoromethane	+++++ 0.5901	0.7389 0.5789	0.5912	0.5619	0.5957	Ave			0.6095				10.6		20.0			
Trichlorofluoromethane	+++++ 0.4598	0.4895 0.4673	0.4382	0.4230	0.4421	Ave			0.4533			0.1000	5.2		20.0			
Pentane	+++++ 2.1824	2.5937 2.4992	2.9135	2.0702	1.9647	Ave			2.3706				15.2		20.0			
Ethyl ether	+++++ 0.2236	0.3099 0.2303	0.2326	0.2269	0.2397	Ave			0.2438				13.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

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								
Ethanol	++++ 0.0652	0.0979 0.0671	0.0953	0.0701	0.0694	Ave		0.0775				19.2		20.0			
2-Methyl-1,3-butadiene	++++ 0.2730	0.3365 0.2774	0.2675	0.2619	0.2693	Ave		0.2809				9.9		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	++++ 0.2747	0.2665 0.2777	0.2716	0.2970	0.2747	Ave		0.2770				3.8		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	++++ 0.4366	0.5327 0.4463	0.4491	0.4628	0.4764	Ave		0.4673				7.5		20.0			
Acrolein	++++ 0.4839	0.7399 0.4956	0.8302	0.5949	0.5706	QuaF		0.5323	-0.000099					0.9960		0.9900	
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.3255	0.3093 0.3232	0.3152	0.2982	0.2944	Ave		0.3110		0.1000	4.1	20.0					
1,1-Dichloroethene	++++ 0.2990	0.2873 0.3145	0.2797	0.2778	0.3086	Ave		0.2945		0.1000	5.2	20.0					
Acetone	++++ 0.3490	0.4238 0.3110	0.2991	0.2728	0.2648	Ave		0.3201		0.0500	18.4	20.0					
Iodomethane	++++ 0.5303	0.6030 0.5285	0.5201	0.5048	0.5362	Ave		0.5371			6.3	20.0					
Isopropyl alcohol	++++ 0.7153	1.2496 0.8091	0.9190	0.8256	0.8171	QuaF		0.6774	0.0000262				1.0000		0.9900		
Carbon disulfide	++++ 1.1552	1.2405 1.1112	1.1299	1.0881	1.1875	Ave		1.1521		0.1000	4.8	20.0					
Allyl chloride	++++ 0.1945	0.2643 0.2206	0.1860	0.1843	0.2087	Ave		0.2097			14.4	20.0					
Methyl acetate	++++ 0.1934	0.2402 0.2012	0.1954	0.1853	0.2062	Ave		0.2036		0.1000	9.5	20.0					
Cyclopentene	++++ 0.7456	0.8891 0.7552	0.7423	0.7408	0.7962	Ave		0.7782			7.5	20.0					
Acetonitrile	++++ 1.2152	1.9547 ++++	1.7882	1.4278	1.4590	Ave		1.5690			19.0	20.0					
Methylene Chloride	++++ 0.3432	0.4240 0.3536	0.3354	0.3393	0.3574	Ave		0.3588		0.1000	9.2	20.0					
2-Methyl-2-propanol	++++ 0.9457	1.3037 0.9440	0.8085	0.8808	0.8814	Ave		0.9607			18.3	20.0					
Methyl tertiary butyl ether	++++ 0.6737	0.7919 0.6200	0.6398	0.6609	0.6687	Ave		0.6758		0.1000	8.9	20.0					
trans-1,2-Dichloroethene	++++ 0.2968	0.3688 0.3033	0.2926	0.2874	0.3001	Ave		0.3082		0.1000	9.8	20.0					
Acrylonitrile	0.1274 0.1089	0.1322 0.0982	0.1057	0.1072	0.1139	Ave		0.1133			10.8	20.0					

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

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										
Hexane	++++ 0.2520	0.2337 0.2441	0.2404	0.2380	0.2251	Ave		0.2389					3.8		20.0				
Isopropyl ether	++++ 0.8336	1.0699 0.7923	0.8897	0.8787	0.9363	Ave		0.9001					10.7		20.0				
1,1-Dichloroethane	++++ 0.4745	0.6140 0.4932	0.4946	0.4650	0.5027	Ave		0.5073				0.2000	10.7		20.0				
Vinyl acetate	++++ 1.7229	1.8157 2.0975	1.4751	1.3013	1.5839	Ave		1.6661					16.7		20.0				
2-Chloro-1,3-butadiene	++++ 0.2400	0.2742 0.2523	0.2403	0.2343	0.2546	Ave		0.2493					5.8		20.0				
Tert-butyl ethyl ether	++++ 0.6700	0.8564 0.6254	0.6919	0.6955	0.7369	Ave		0.7127					11.1		20.0				
2,2-Dichloropropane	++++ 0.0761	0.0826 0.0871	0.0562	0.0568	0.0663	Ave		0.0708					18.5		20.0				
cis-1,2-Dichloroethene	++++ 0.3038	0.3947 0.3174	0.3044	0.2965	0.3212	Ave		0.3230				0.1000	11.2		20.0				
Ethyl acetate	++++ 0.2382	0.3323 0.2481	0.2031	0.2073	0.2237	Ave		0.2421					19.6		20.0				
2-Butanone (MEK)	++++ 0.3157	0.3281 0.3101	0.3094	0.2906	0.2825	Ave		0.3061				0.0500	5.5		20.0				
Methyl acrylate	++++ 0.2085	0.2227 0.2119	0.1809	0.1858	0.2071	Ave		0.2028					8.0		20.0				
Propionitrile	++++ 1.4445	2.0201 1.5289	1.9567	1.6019	1.6328	Ave		1.6975					13.9		20.0				
Chlorobromomethane	++++ 0.1475	0.1859 0.1555	0.1415	0.1384	0.1490	Ave		0.1530					11.3		20.0				
Tetrahydrofuran	++++ 0.3262	0.3874 0.3311	0.3548	0.3225	0.3345	Ave		0.3428					7.2		20.0				
Methacrylonitrile	++++ 0.1089	0.1282 0.0974	0.1103	0.1110	0.1159	Ave		0.1120					9.0		20.0				
Chloroform	++++ 0.4396	0.5249 0.4535	0.4329	0.4309	0.4610	Ave		0.4571				0.2000	7.7		20.0				
Cyclohexane	++++ 0.5321	0.5446 0.5490	0.4977	0.5166	0.4955	Ave		0.5226				0.1000	4.4		20.0				
1,1,1-Trichloroethane	++++ 0.3515	0.3518 0.4092	0.2670	0.2953	0.3211	Ave		0.3327				0.1000	15.0		20.0				
Carbon tetrachloride	++++ 0.2616	0.2140 0.3162	0.1683	0.1737	0.2075	Qua2	0.0310	0.1788	0.0002949			0.1000					0.9950		0.9900
1,1-Dichloropropene	++++ 0.3470	0.4269 0.3620	0.3392	0.3391	0.3576	Ave		0.3620					9.2		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

FORM VI

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	RRF							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	CURVE TYPE		B	M1	M2								
Isobutyl alcohol	++++ 0.3018	0.2629 0.4245	0.1694	0.1528	0.2053	QuaF			0.2133	0.0000169						1.0000		0.9900
2,2,4-Trimethylpentane	++++ 0.9803	0.8628 0.8588	0.9832	0.9516	0.9083	Ave			0.9241				6.1		20.0			
Benzene	++++ 1.4227	1.8871 1.2408	1.5844	1.5415	1.5961	Ave			1.5454			0.5000	13.8		20.0			
Isopropyl acetate	++++ 0.7097	0.6695 0.7079	0.5179	0.6136	0.7072	Ave			0.6543				11.7		20.0			
tert-amyl methyl ether	++++ 0.2171	0.2372 0.2172	0.1986	0.2000	0.2242	Ave			0.2157				6.8		20.0			
1,2-Dichloroethane	++++ 0.3036	0.3615 0.3164	0.3059	0.2986	0.3266	Ave			0.3188			0.1000	7.3		20.0			
n-Heptane	++++ 0.3324	0.3695 0.3153	0.3833	0.3115	0.3266	Ave			0.3398				8.7		20.0			
n-Butanol	++++ 0.1839	0.1072 0.2578	0.1201	0.0958	0.1222	QuaF			0.1302	0.0000102						1.0000		0.9900
Trichloroethene	++++ 0.2625	0.3403 0.2764	0.2469	0.2464	0.2654	Ave			0.2730			0.2000	12.8		20.0			
Ethyl acrylate	++++ 0.3181	0.2967 0.3702	0.1997	0.2041	0.2814	QuaF			0.2799	0.0001808						1.0000		0.9900
Methylcyclohexane	++++ 0.5450	0.5312 0.4862	0.5003	0.4944	0.4802	Ave			0.5062			0.1000	5.1		20.0			
1,2-Dichloropropane	++++ 0.2629	0.3173 0.2811	0.2724	0.2500	0.2773	Ave			0.2768			0.1000	8.2		20.0			
Methyl methacrylate	++++ 0.0654	0.0536 0.0699	0.0436	0.0503	0.0607	Ave			0.0572				17.2		20.0			
n-Propyl acetate	++++ 0.3210	0.2780 0.3477	0.2059	0.2568	0.3111	Ave			0.2867				17.8		20.0			
1,4-Dioxane	++++ 0.9234	1.3151 1.0152	1.0423	1.0779	1.0549	Ave			1.0715				12.2		20.0			
Dibromomethane	++++ 0.1559	0.1923 0.1648	0.1538	0.1490	0.1571	Ave			0.1621				9.6		20.0			
Dichlorobromomethane	++++ 0.2872	0.2468 0.3258	0.2124	0.2252	0.2594	Ave			0.2595			0.2000	16.1		20.0			
2-Chloroethyl vinyl ether	++++ 0.1571	0.1652 0.1692	0.1544	0.1494	0.1602	Ave			0.1592				4.5		20.0			
2-Nitropropane	++++ 0.0233	0.0376 0.0291	0.0216	0.0209	0.0215	Qua2		0.0362	0.0193	0.0000099						0.9990		0.9900
Epichlorohydrin	0.1608 0.2258	0.2356 0.2180	0.1781	0.1879	0.2080	Ave			0.2020				13.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

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										
cis-1,3-Dichloropropene	++++ 0.5078	0.4673 0.5396	0.3789	0.3995	0.4788	Ave		0.4620				0.2000	13.4		20.0				
4-Methyl-2-pentanone (MIBK)	++++ 2.2868	2.3075 1.8062	2.2976	2.2995	2.3694	Ave		2.2278				0.0500	9.4		20.0				
Toluene	++++ 1.4151	1.9145 1.1818	1.5520	1.5314	1.5652	Ave		1.5267				0.4000	15.6		20.0				
Ethyl methacrylate	++++ 0.3200	0.1987 0.3455	0.1835	0.2176	0.2760	QuaF		0.2966	0.0000983							1.0000			0.9900
trans-1,3-Dichloropropene	++++ 0.4332	0.3194 ++++	0.2601	0.3024	0.3659	Ave		0.3362				0.1000	19.7		20.0				
1,1,2-Trichloroethane	++++ 0.2544	0.2664 0.2633	0.2608	0.2509	0.2695	Ave		0.2609				0.1000	2.7		20.0				
Tetrachloroethene	++++ 0.3426	0.4190 0.3451	0.3561	0.3354	0.3547	Ave		0.3588				0.2000	8.5		20.0				
1,3-Dichloropropane	++++ 0.5152	0.5878 0.5136	0.5298	0.5348	0.5444	Ave		0.5376					5.1		20.0				
2-Hexanone	++++ 1.5294	1.4994 1.2659	1.3924	1.4294	1.4568	Ave		1.4289				0.0500	6.5		20.0				
n-Butyl acetate	++++ 0.0881	0.0597 0.0986	0.0549	0.0644	0.0830	QuaF		0.0807	0.0000359							1.0000			0.9900
Chlorodibromomethane	++++ 0.2680	0.2283 ++++	0.1744	0.1819	0.2177	Ave		0.2141				0.1000	17.7		20.0				
Ethylene Dibromide	++++ 0.3006	0.2679 0.3082	0.2090	0.2482	0.2871	Ave		0.2702				0.1000	13.7		20.0				
Chlorobenzene	++++ 0.9041	1.1209 0.8183	0.9537	0.9198	0.9558	Ave		0.9454				0.5000	10.5		20.0				
Ethylbenzene	++++ 0.5301	0.6549 0.5312	0.5200	0.5424	0.5607	Ave		0.5566				0.1000	9.0		20.0				
1,1,1,2-Tetrachloroethane	++++ 0.3116	0.2284 0.3535	0.1833	0.2030	0.2451	Qua2	0.0107	0.2109	0.0003168							0.9900			0.9900
m-Xylene & p-Xylene	++++ 0.6452	0.7619 0.6206	0.6608	0.6625	0.6799	Ave		0.6718				0.1000	7.2		20.0				
n-Butyl acrylate	++++ 0.2409	0.1229 0.2765	0.1256	0.1508	0.2036	QuaF		0.2128	0.0001276							1.0000			0.9900
o-Xylene	++++ 0.6815	0.7359 0.6464	0.6520	0.6722	0.7154	Ave		0.6839				0.3000	5.2		20.0				
Styrene	++++ 1.0302	1.1624 0.8942	1.0591	1.0566	1.1096	Ave		1.0520				0.3000	8.6		20.0				
Amyl acetate (mixed isomers)	++++ 1.0849	0.6192 1.0882	0.5520	0.7352	1.0157	QuaF		1.0646	0.0000486							1.0000			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

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										
Bromoform	++++ 0.1572	0.1011 0.1941	0.0972	0.0972	0.1177	Qua2	-0.004	0.1030	0.0001945		0.1000						0.9950		0.9900
Isopropylbenzene	++++ 1.6122	1.9793 ++++	1.7796	1.7906	1.8477	Ave		1.8019			0.1000	7.4			20.0				
1,1,2,2-Tetrachloroethane	++++ 0.7924	0.8588 0.7892	0.6806	0.7511	0.8146	Ave		0.7811			0.3000	7.8			20.0				
Bromobenzene	++++ 0.7499	0.8580 0.7456	0.7388	0.7285	0.7572	Ave		0.7630				6.2			20.0				
N-Propylbenzene	++++ 3.4092	4.2808 ++++	3.7899	3.9483	4.1114	Ave		3.9079				8.5			20.0				
trans-1,4-Dichloro-2-butene	++++ 0.1847	0.2182 0.2072	0.1672	0.1652	0.1774	Ave		0.1866				11.6			20.0				
1,2,3-Trichloropropane	++++ 0.2277	0.2398 0.2319	0.2198	0.2240	0.2334	Ave		0.2294				3.1			20.0				
4-Ethyltoluene	++++ 2.8167	3.7415 ++++	3.2160	3.4274	3.3382	Ave		3.3079				10.2			20.0				
2-Chlorotoluene	++++ 2.8012	3.2597 2.2983	2.7359	2.8745	3.0538	Ave		2.8372				11.5			20.0				
1,3,5-Trimethylbenzene	++++ 2.6857	2.9418 ++++	2.6630	2.8562	3.0006	Ave		2.8295				5.3			20.0				
Butyl Methacrylate	++++ 0.9788	0.4489 1.0012	0.4299	0.5991	0.8439	QuaF		0.9377	0.0001288							1.0000			0.9900
4-Chlorotoluene	++++ 2.0923	2.5265 1.6863	2.2026	2.2731	2.3209	Ave		2.1836				13.0			20.0				
tert-Butylbenzene	++++ 2.3009	2.2912 1.8254	2.0435	2.1440	2.4017	Ave		2.1678				9.7			20.0				
1,2,4-Trimethylbenzene	++++ 2.6981	3.1175 ++++	2.7559	2.8619	3.0345	Ave		2.8936				6.2			20.0				
sec-Butylbenzene	++++ 3.3966	3.8698 ++++	3.3662	3.6083	3.8939	Ave		3.6270				6.9			20.0				
4-Isopropyltoluene	++++ 2.9375	3.3424 ++++	2.8622	3.0651	3.2503	Ave		3.0915				6.6			20.0				
1,3-Dichlorobenzene	++++ 1.4501	1.8479 1.3065	1.4663	1.4969	1.5266	Ave		1.5157			0.6000	11.9			20.0				
1,4-Dichlorobenzene	++++ 1.5038	1.7859 1.3462	1.5385	1.5077	1.5491	Ave		1.5385			0.5000	9.2			20.0				
1,2,3-Trimethylbenzene	++++ 2.9116	3.4299 ++++	2.9176	3.0568	3.2361	Ave		3.1104				7.1			20.0				
Benzyl chloride	++++ 0.9151	0.5614 1.0846	0.5298	0.5427	0.6649	Qua2	-0.033	0.5815	0.0010980							0.9920			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	LVL 1 LVL 6		LVL 2 LVL 7		RRF			CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
					LVL 3	LVL 4	LVL 5		B	M1	M2								
Indan	++++	3.7664	3.1241	3.2589	3.3407	Ave			3.2833					9.5		20.0			
p-Diethylbenzene	2.9265	++++																	
	++++	2.1025	1.7782	1.8459	1.9460	Ave			1.8377					10.1		20.0			
n-Butylbenzene	1.8109	1.5427																	
	++++	1.8813	1.7060	1.7836	1.8116	Ave			1.7364					7.5		20.0			
1,2-Dichlorobenzene	1.7352	1.5006																	
	++++	1.9057	1.5611	1.5534	1.5880	Ave			1.5808				0.4000	11.4		20.0			
1,2,4,5-Tetramethylbenzene	1.5218	1.3550																	
	++++	3.1021	2.7711	2.9265	3.1259	Ave			2.8234					12.7		20.0			
1,2-Dibromo-3-Chloropropane	2.8650	2.1496																	
	++++	0.0927	0.0544	0.0590	0.0804	QuaF			0.0927	0.0000607			0.0500				1.0000		0.9900
1,3,5-Trichlorobenzene	0.1068	0.1229																	
	++++	1.3221	1.2506	1.2646	1.2770	Ave			1.2467					5.4		20.0			
1,2,4-Trichlorobenzene	1.2455	1.1202																	
	++++	1.0590	0.9368	0.9364	0.9961	Ave			0.9698				0.2000	5.6		20.0			
Hexachlorobutadiene	0.9820	0.9085																	
	++++	0.4574	0.4057	0.4427	0.4723	Ave			0.4625					8.1		20.0			
Naphthalene	0.5179	0.4788																	
	++++	1.6683	1.6720	1.7811	1.9730	Ave			1.7675					6.8		20.0			
1,2,3-Trichlorobenzene	1.8272	1.6833																	
	++++	0.5891	0.6089	0.6155	0.6842	Ave			0.6290					5.4		20.0			
Dibromofluoromethane (Surr)	0.6523	0.6239																	
	0.2309	0.2290	0.2290	0.2321	0.2319	Ave			0.2328					1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2365	0.2400																	
	0.2526	0.2597	0.2589	0.2578	0.2625	Ave			0.2659					5.5		20.0			
Toluene-d8 (Surr)	0.2743	0.2953																	
	1.2569	1.2729	1.2847	1.2944	1.2943	Ave			1.2631					2.8		20.0			
4-Bromofluorobenzene	1.2446	1.1943																	
	0.3716	0.3698	0.3650	0.3714	0.3639	Ave			0.3657					1.5		20.0			
	0.3575	0.3605																	

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

FORM VI

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.: Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

Calibration Files:	
LEVEL:	LAB SAMPLE ID: LAB FILE ID:
Level 1	STD7 460-700493/3 A89503.D
Level 2	STD1 460-700493/4 A89504.D
Level 3	STD5 460-700493/5 A89505.D
Level 4	STD20 460-700493/6 A89506.D
Level 5	STD50 460-700493/7 A89507.D
Level 6	STD200 460-700493/8 A89508.D
Level 7	STD500 460-700493/9 A89509.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
Monochloropentafluoroethane	FB	Ave	++++ 55922	++++ 162812	2229	7875	20853	++++ 200	++++ 500	5.00	20.0	50.0
Chlorotrifluoroethene	FB	Ave	++++ 299542	1731 765958	7946	32395	78098	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Difluoroethane	FB	Ave	++++ 697497	4513 1794936	18025	73944	188394	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	++++ 1076270	4757 2772765	26476	101869	259424	++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	++++ 807313	5266 2409816	23330	85916	242137	++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	++++ 1203724	6949 3070036	31607	112317	309367	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	++++ 1181673	7169 3043923	28964	106595	288669	++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	1342 1020339	5333 2549161	21966	89775	241735	0.250 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	++++ 793970	5159 2014404	20001	73128	195060	++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	++++ 663137	3868 1707874	17146	57230	162014	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	++++ 1490704	8977 3775326	34279	128410	348933	++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	++++ 1161441	5947 3047119	25407	96672	258977	++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	++++ 289844	1467 833346	6822	23649	57982	++++ 400	2.00 1000	10.0	40.0	100
Ethyl ether	FB	Ave	++++ 564775	3765 1501993	13489	51855	140383	++++ 200	1.00 500	5.00	20.0	50.0
Ethanol	TBAd 9	Ave	++++ 173225	1107 447563	4465	16025	40946	++++ 8000	40.0 20000	200	800	2000

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.: Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-1,3-butadiene	FB	Ave	++++ 689609	4088 1808945	15512	59858	157746	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	++++ 693871	3238 1811171	15746	67872	160903	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	++++ 1102839	6472 2910170	26041	105752	279046	++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd 9	QuaF	++++ 32132	837 66103	3888	6796	16839	++++ 200	4.00 400	20.0	40.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 822302	3758 2107586	18276	68152	172437	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 755373	3491 2050755	16220	63491	180778	++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	++++ 473403	2691 1171920	8877	32429	83859	++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	++++ 1339624	7326 3446253	30159	115351	314054	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd 9	QuaF	++++ 474996	3534 1348963	10759	47157	120573	++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	++++ 2918227	15072 7246644	65515	248658	695544	++++ 200	1.00 500	5.00	20.0	50.0
Allyl chloride	FB	Ave	++++ 491394	3211 1438539	10786	42122	122262	++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	++++ 977126	5836 2623517	22658	84688	241535	++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	++++ 1883396	10803 4925143	43042	169287	466363	++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd 9	Ave	++++ 806965	5528 +++++	20935	81552	215289	++++ 2000	10.0 +++++	50.0	200	500
Methylene Chloride	FB	Ave	++++ 866934	5151 2305860	19449	77534	209341	++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd 9	Ave	++++ 627998	3687 1573953	9465	50307	130054	++++ 2000	10.0 5000	50.0	200	500
Methyl tertiary butyl ether	FB	Ave	++++ 1701844	9621 4042902	37095	151031	391678	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	++++ 749860	4481 1977884	16966	65667	175765	++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	3062 2750708	16059 6401636	61270	245061	667046	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	++++ 636488	2840 1592067	13940	54393	131831	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	++++ 2105823	12999 5166522	51588	200798	548434	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison

Job No.: 410-6533-1

Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020

02:04

Calibration End Date: 06/11/2020

04:26

Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethane	FB	Ave	++++ 1198660	7460 3216613	28679	106261	294433	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	TBA9	Ave	++++ 228817	1027 699418	3454	14865	46744	++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	++++ 606228	3331 1645323	13935	53533	149115	++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	++++ 1692374	10405 4078494	40120	158932	431637	++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 192162	1003 567998	3261	12973	38820	++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	++++ 767422	4796 2069917	17651	67765	188121	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Ave	++++ 129217	844 374029	2411	9856	28328	++++ 400	2.00 1000	10.0	40.0	100
2-Butanone (MEK)	BUT	Ave	++++ 428265	2083 1168491	9181	34544	89452	++++ 1000	5.00 2500	25.0	100	250
Methyl acrylate	FB	Ave	++++ 526596	2706 1382083	10488	42447	121314	++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBA9	Ave	++++ 959210	5713 2549069	22908	91495	240929	++++ 2000	10.0 5000	50.0	200	500
Chlorobromomethane	FB	Ave	++++ 372616	2259 1013992	8207	31624	87270	++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	++++ 177007	984 499054	4212	15334	42365	++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	++++ 2749966	15580 6351537	63971	253625	678974	++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	++++ 1110513	6377 2957260	25102	98467	270035	++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	++++ 1344046	6617 3579997	28855	118056	290257	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	++++ 888002	4274 2668429	15484	67488	188107	++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Qua2	++++ 660752	2600 2062151	9757	39699	121537	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	++++ 876611	5187 2360451	19668	77485	209431	++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBA9	QuaF	++++ 500967	1859 1769342	4959	21823	75750	++++ 5000	25.0 12500	125	500	1250
2,2,4-Trimethylpentane	FB	Ave	++++ 2476233	10483 5600204	57006	217447	532013	++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	++++ 2611108	15433 6075560	61640	237313	645777	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison

SDG No.:

Job No.: 410-6533-1

Analy Batch No.: 700493

Instrument ID: CVOAMS1

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04

Calibration End Date: 06/11/2020 04:26

Calibration ID: 80662

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
Isopropyl acetate	FB	Ave	++++ 1792700	8134 4616587	30028	140216	414230	++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	++++ 548308	2882 1416117	11518	45714	131319	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	++++ 767043	4392 2063558	17737	68239	191287	++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	++++ 839770	4490 2056429	22227	71189	191287	++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd 9	QuaF	++++ 305222	758 1074579	3516	13684	45096	++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	++++ 663011	4135 1802220	14314	56308	155459	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	QuaF	++++ 803544	3605 2414002	11580	46639	164841	++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	++++ 1376787	6454 3170940	29007	112975	281295	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	++++ 664134	3855 1833063	15797	57118	162444	++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	++++ 330346	1303 911451	5052	22966	71123	++++ 400	2.00 1000	10.0	40.0	100
n-Propyl acetate	FB	Ave	++++ 810937	3378 2267430	11936	58672	182194	++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dioxane	DXE	Ave	++++ 172117	2353 446594	3742	15129	39378	++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	++++ 393867	2336 1074602	8917	34052	92017	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	++++ 725592	2998 2124949	12315	51469	151963	++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 397815	2012 1106323	8972	34216	94038	++++ 200	1.00 501	5.01	20.0	50.1
2-Nitropropane	FB	Qua2	++++ 117563	914 380069	2501	9574	25228	++++ 400	2.00 1000	10.0	40.0	100
Epichlorohydrin	BUT	Ave	996 1225319	5984 3286011	21143	89369	263396	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	++++ 931955	3822 2642326	14742	61502	193706	++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	++++ 3101841	14651 6806556	68186	273378	750208	++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	++++ 2597159	15657 5786960	60380	235757	633262	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	QuaF	++++ 808462	2414 2253280	10640	49722	161658	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

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
trans-1,3-Dichloropropene	CBNZ d5	Ave	++++ 795118	2612 ++++	10117	46556	148022	++++ 200	1.00 ++++	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 466886	2179 1289184	10147	38631	109058	++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	++++ 628809	3427 1689737	13853	51642	143523	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	++++ 945585	4807 2514718	20612	82332	220257	++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	++++ 2074428	9520 4770666	41324	169935	461279	++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ Quaf d5	QuaF	++++ 161786	488 483001	2134	9919	33582	++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	++++ 491805	1867 ++++	6786	28010	88081	++++ 200	1.00 ++++	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	++++ 551762	2191 1509323	8131	38208	116167	++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	++++ 1659422	9167 4007043	37101	141597	386711	++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	++++ 972981	5356 2601234	20231	83501	226860	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Qua2	++++ 571916	1868 1731139	7132	31258	99186	++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	++++ 1184164	6231 3038758	25709	101986	275095	++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	QuaF	++++ 442158	1005 1353764	4885	23222	82388	++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	++++ 1250861	6018 3165341	25366	103490	289451	++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	++++ 1890733	9506 4378612	41201	162657	448936	++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	QuaF	++++ 1056083	2858 2966221	12096	61689	218908	++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Qua2	++++ 288449	827 950302	3780	14960	47608	++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	++++ 2958988	16187 ++++	69231	275658	747559	++++ 200	1.00 ++++	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 771295	3964 2151216	14914	63017	175565	++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	++++ 730007	3960 2032267	16189	61126	163192	++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	++++ 3318597	19758 ++++	83042	331276	886100	++++ 200	1.00 ++++	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

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
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++ 179838	1007 564743	3663	13858	38240	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	++++ 221634	1107 631973	4817	18792	50301	++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	++++ 2741857	17269 ++++	70467	287570	719459	++++ 200	1.00 ++++	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	++++ 2726717	15045 6264479	59947	241182	658178	++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 2614294	13578 ++++	58351	239649	646711	++++ 200	1.00 ++++	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	QuaF	++++ 952818	2072 2729010	9419	50268	181872	++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	++++ 2036733	11661 4596269	48263	190719	500217	++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	++++ 2239777	10575 4975439	44777	179888	517632	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 2626336	14389 ++++	60385	240129	654006	++++ 200	1.00 ++++	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	++++ 3306348	17861 ++++	73758	302755	839231	++++ 200	1.00 ++++	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 2859429	15427 ++++	62715	257179	700518	++++ 200	1.00 ++++	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1411572	8529 3561058	32129	125599	329028	++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	++++ 1463793	8243 3669191	33710	126500	333873	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	++++ 2834172	15831 ++++	63929	256475	697459	++++ 200	1.00 ++++	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Qua2	++++ 890760	2591 2956418	11608	45539	143297	++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	++++ 2848748	17384 ++++	68453	273440	720005	++++ 200	1.00 ++++	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	++++ 1762757	9704 4204905	38963	154879	419410	++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	++++ 1689076	8683 4090181	37380	149651	390448	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 1481360	8796 3693318	34205	130333	342257	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	++++ 2788875	14318 5859055	60719	245547	673719	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	QuaF	++++ 104005	428 334995	1193	4953	17333	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 700493

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trichlorobenzene	DCBd 4	Ave	++++ 1212365	6102 3053381	27403	106105	275215	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 955853	4888 2476261	20527	78567	214691	++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 504087	2111 1304941	8890	37147	101799	++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	++++ 1778639	7700 4588245	36636	149442	425236	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	++++ 634930	2719 1700630	13341	51645	147465	++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	138717 149351	139127 156513	132792	132592	135848	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	151806 173249	157779 192543	150110	147290	153784	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	521137 571078	520497 584804	499791	498167	523661	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	154084 164018	151212 176542	141984	142924	147248	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Jun-2020 02:04:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD7
 Misc. Info.: 460-0111447-003
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Jun-2020 18:45:52 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: boykink

Date: 11-Jun-2020 02:39:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 Butadiene	39	2.026	2.026	0.000	19	1342	0.2500	0.2729	Ma
* 31 TBA-d9 (IS)	65	3.659	3.659	0.000	35	279242	1000.0	1000.0	
35 Acrylonitrile	53	3.915	3.915	0.000	98	3062	2.00	2.25	
* 42 2-Butanone-d5	46	4.653	4.653	0.000	86	309742	250.0	250.0	
\$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	97	138717	50.0	49.6	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	36	151806	50.0	47.5	a
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	600879	50.0	50.0	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	22	36461	1000.0	1000.0	
80 Epichlorohydrin	57	6.701	6.701	0.000	62	996	5.00	3.98	
\$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	99	521137	50.0	49.8	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	85	414617	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	92	154084	50.0	50.8	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	95	232548	50.0	50.0	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added: 2.50	Units: uL	
8260MIX1COMB_00119	Amount Added: 0.00	Units: uL	
524freon_00023	Amount Added: 0.00	Units: uL	
ACROLEIN W_00107	Amount Added: 0.00	Units: uL	
14DIOXINTER_00116	Amount Added: 0.00	Units: uL	
ACRY/EPIH MIX_00074	Amount Added: 20.00	Units: uL	
Ethanol mix_00041	Amount Added: 0.00	Units: uL	
MIX 2 Hi_00099	Amount Added: 0.00	Units: uL	
MIX I Hi_00126	Amount Added: 0.00	Units: uL	
8FreonHi_00019	Amount Added: 0.00	Units: uL	
GAS Hi_00363	Amount Added: 0.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD7

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

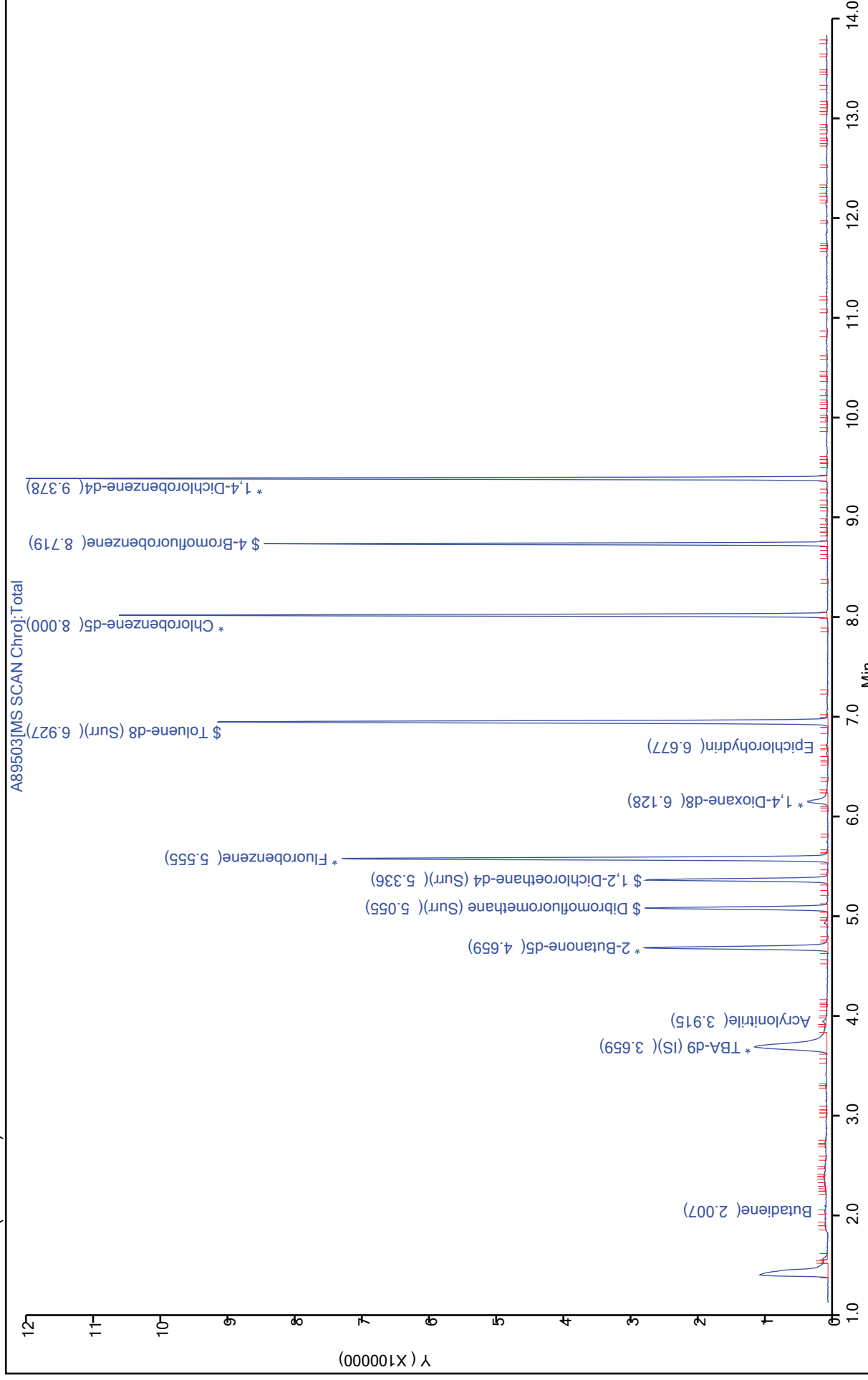
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

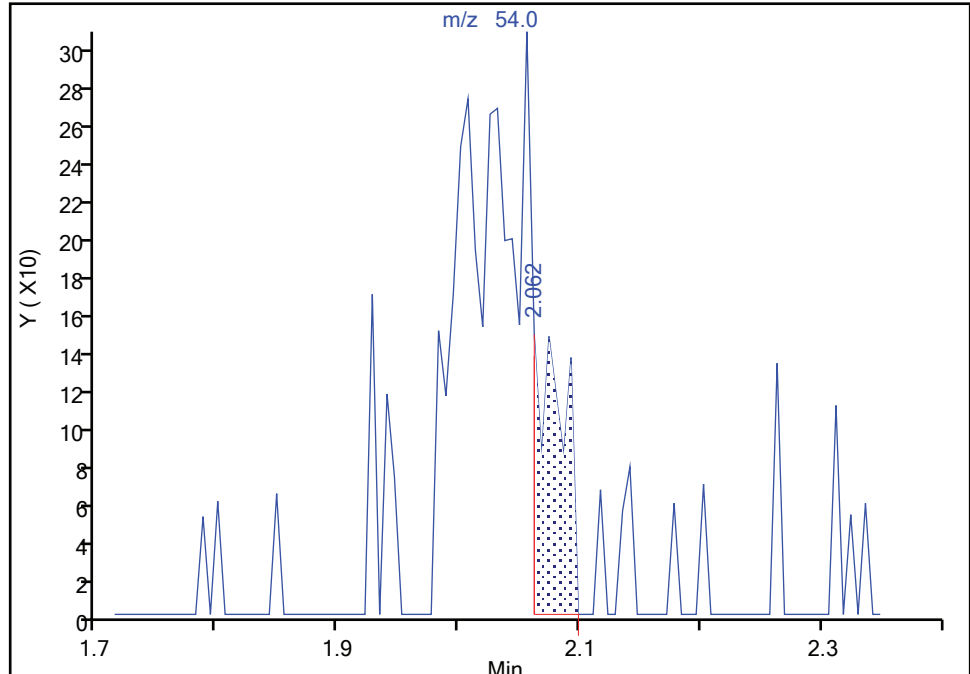
MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 2

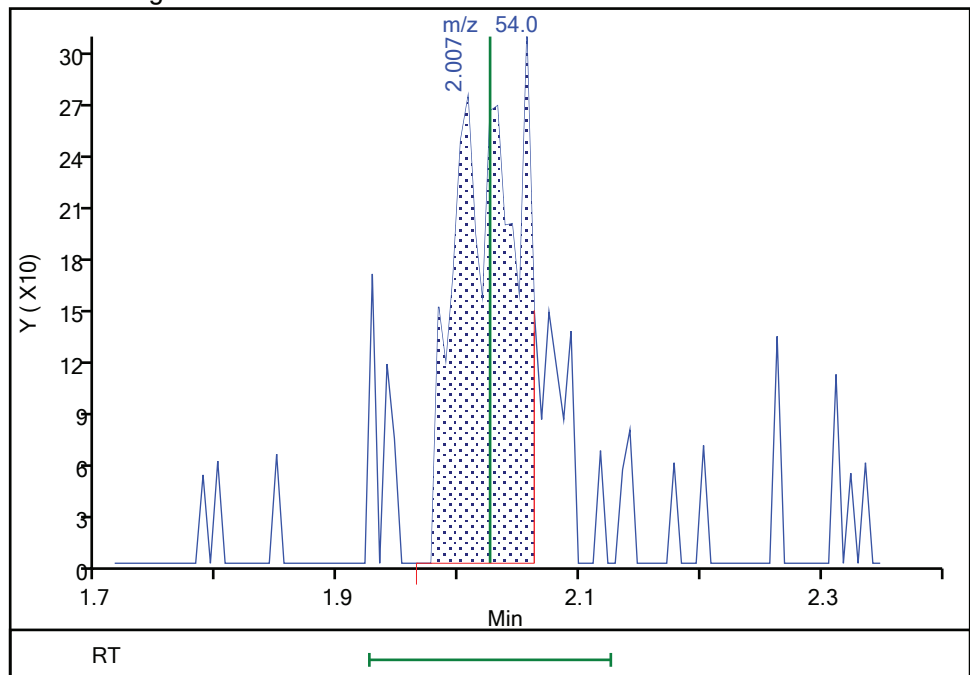
RT: 2.06
Area: 258
Amount: 0.091803
Amount Units: ug/l

Processing Integration Results



RT: 2.01
Area: 1024
Amount: 0.272856
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 11-Jun-2020 08:49:06
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

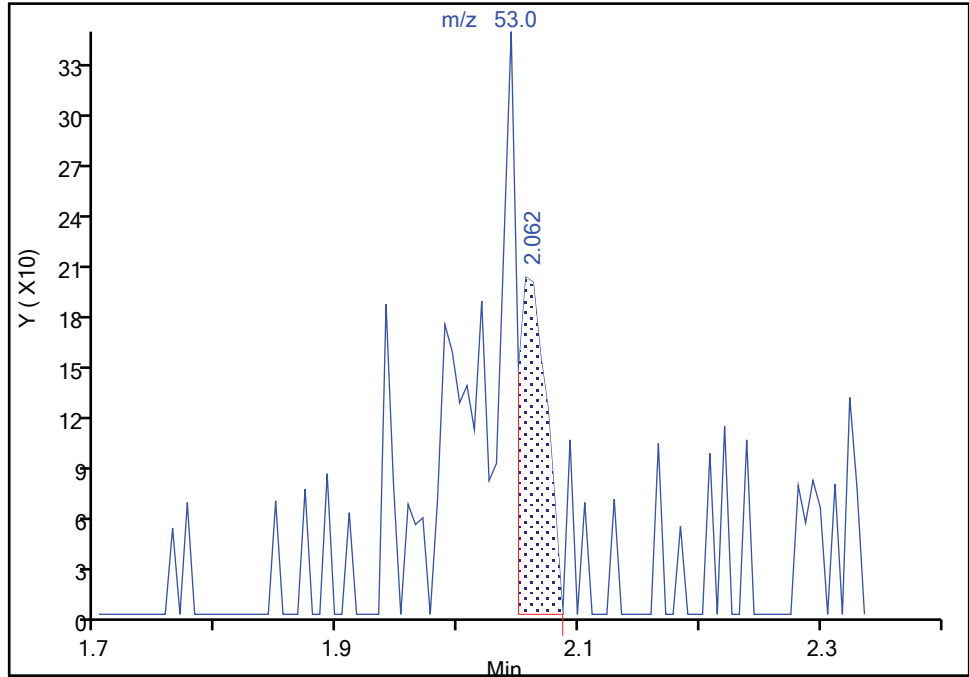
MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 3

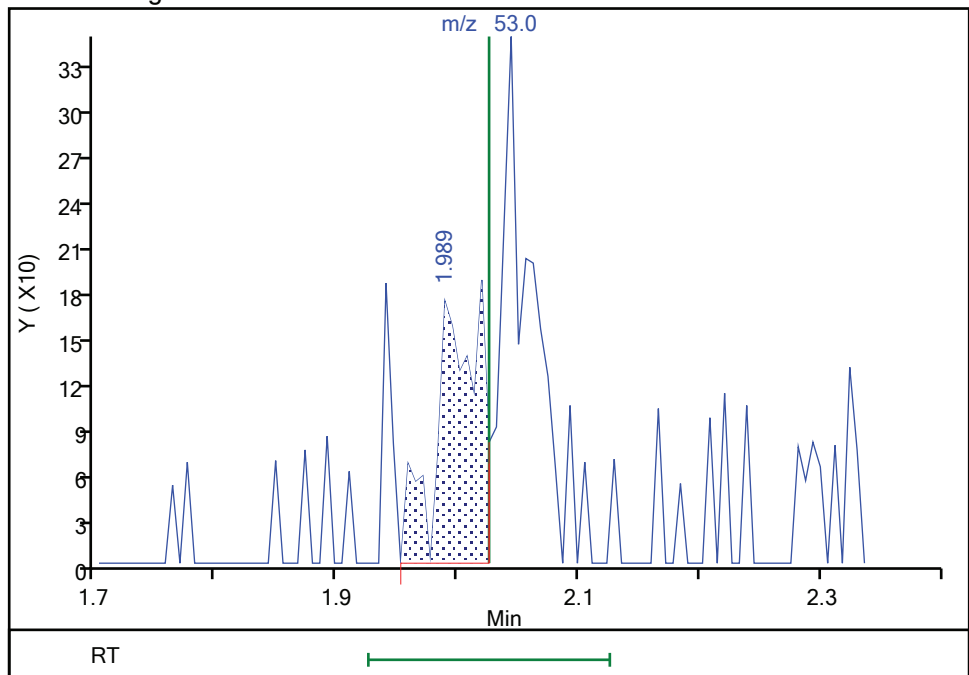
RT: 2.06
Area: 320
Amount: 0.091803
Amount Units: ug/l

Processing Integration Results



RT: 1.99
Area: 440
Amount: 0.272856
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 11-Jun-2020 08:49:06
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID
Page 176 of 1033

Eurofins TestAmerica, Edison

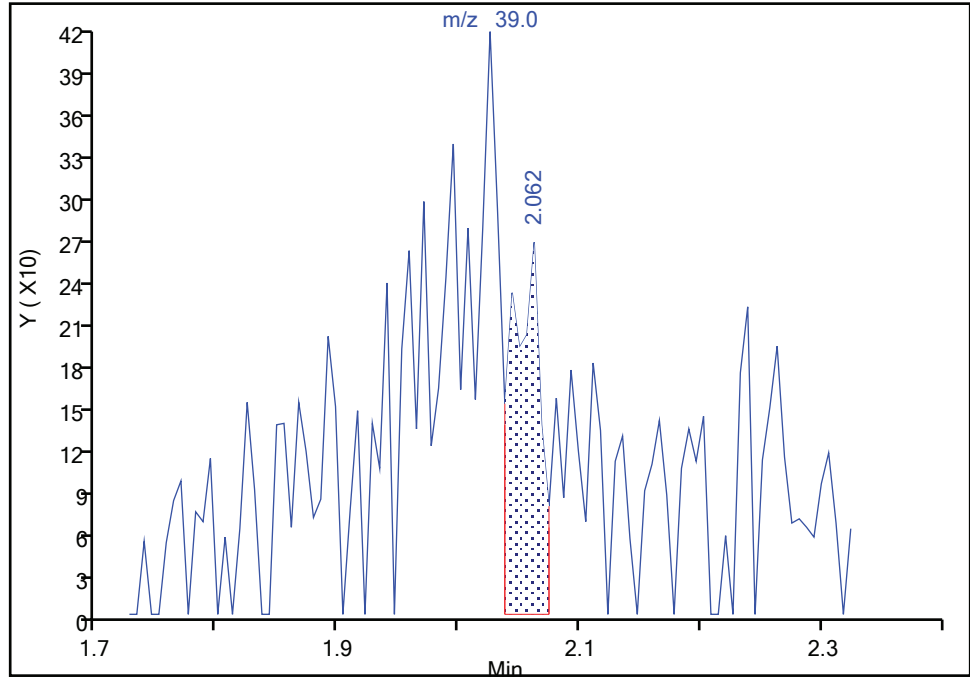
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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 1

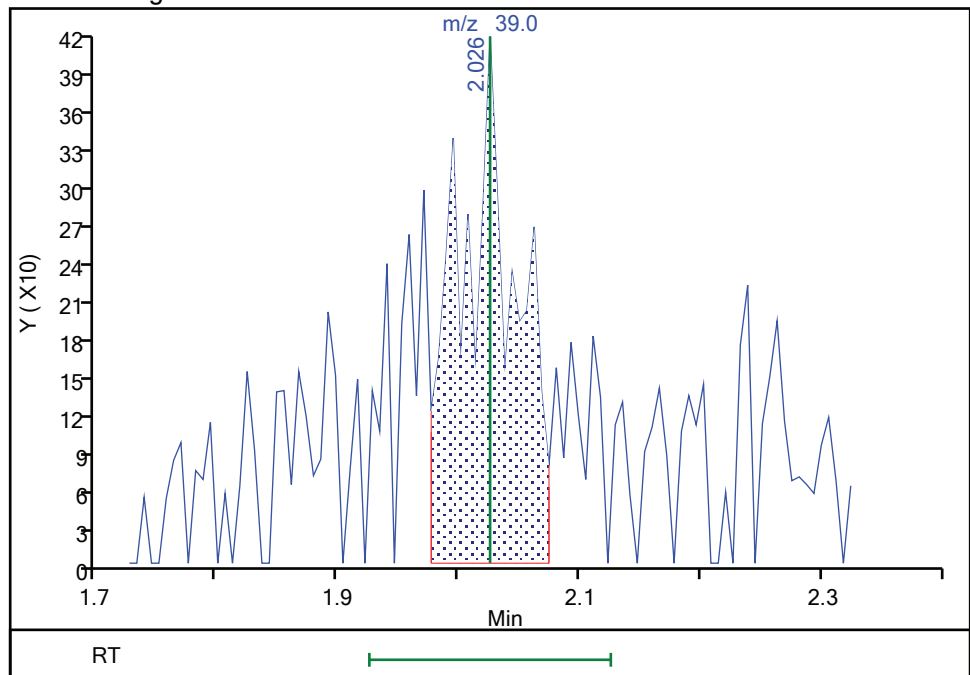
RT: 2.06
Area: 455
Amount: 0.091803
Amount Units: ug/l

Processing Integration Results



RT: 2.03
Area: 1342
Amount: 0.272856
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:18:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

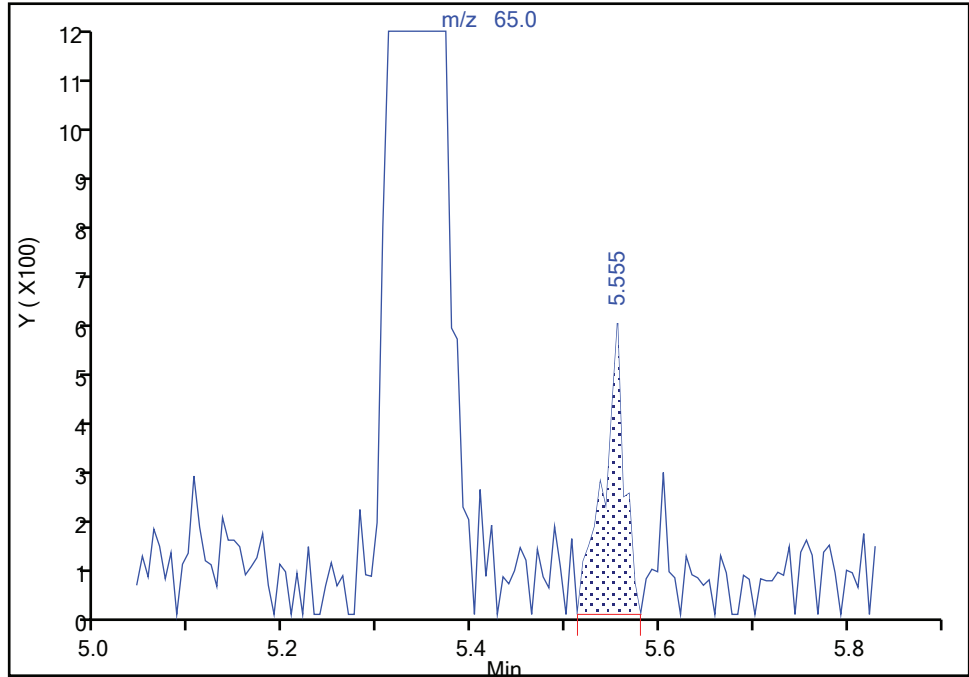
MS SCAN

\$ 61 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

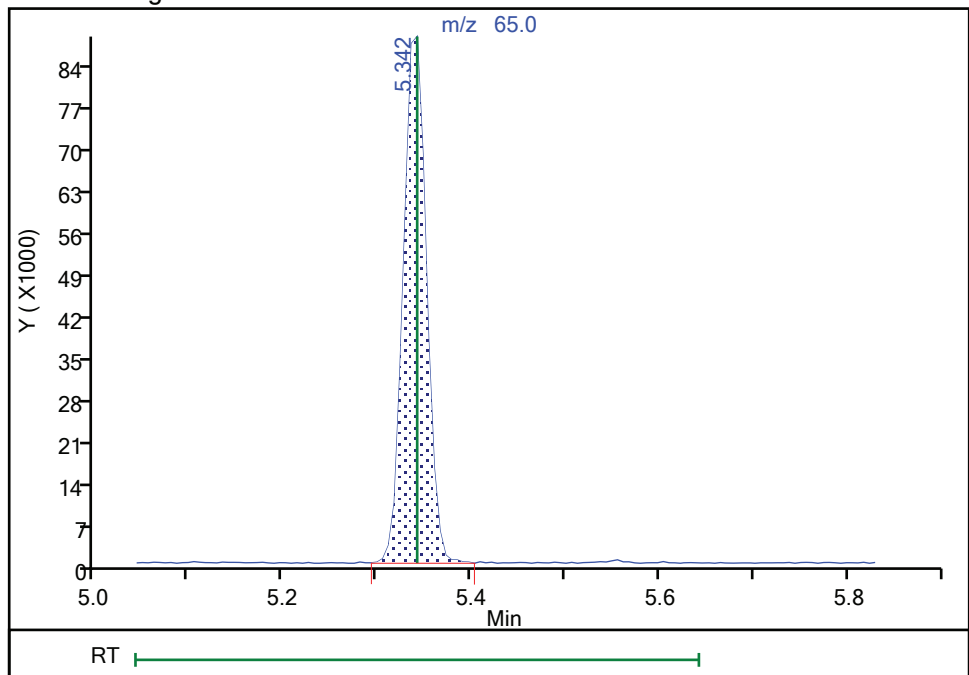
RT: 5.56
Area: 883
Amount: 0.423834
Amount Units: ug/l

Processing Integration Results



RT: 5.34
Area: 151806
Amount: 47.508926
Amount Units: ug/l

Manual Integration Results



Reviewer: boykink, 11-Jun-2020 03:21:36

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

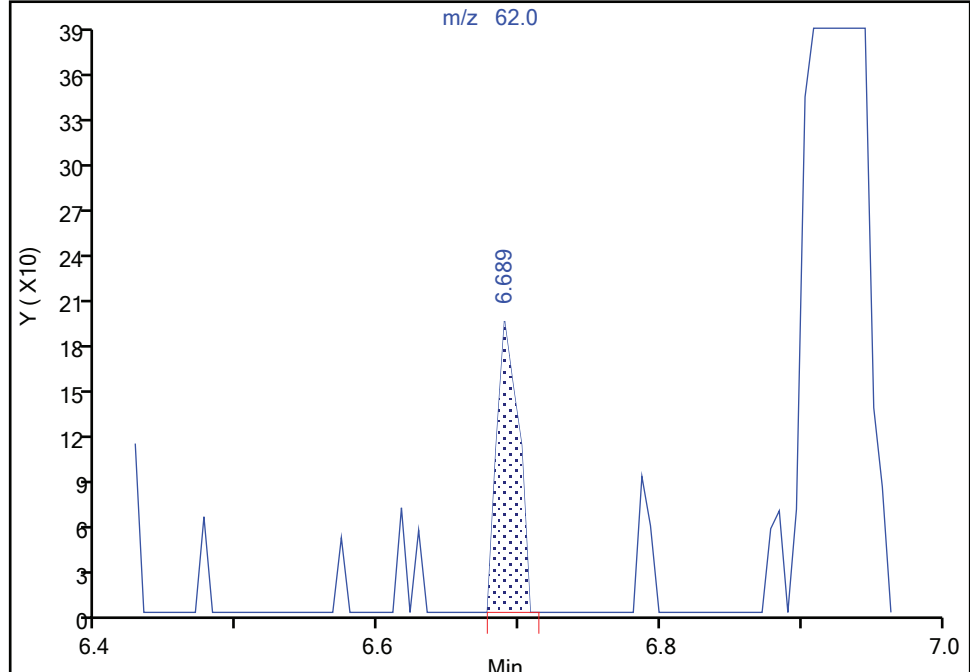
MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 2

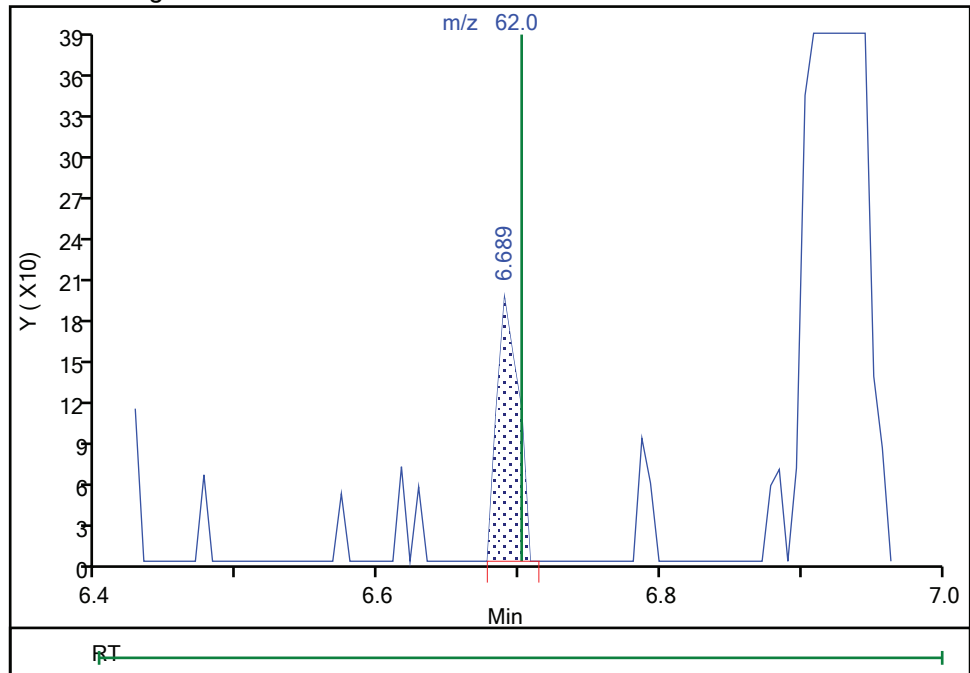
RT: 6.69
Area: 208
Amount: 3.342231
Amount Units: ug/l

Processing Integration Results



RT: 6.69
Area: 208
Amount: 3.979019
Amount Units: ug/l

Manual Integration Results



Reviewer: boykink, 11-Jun-2020 03:22:14

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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)

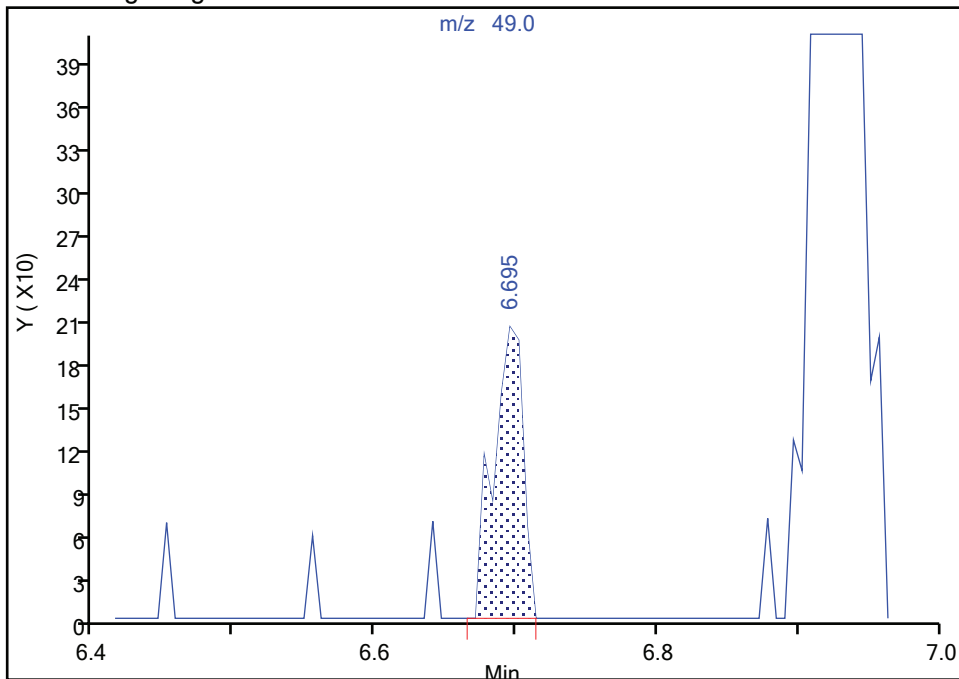
Detector: MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 3

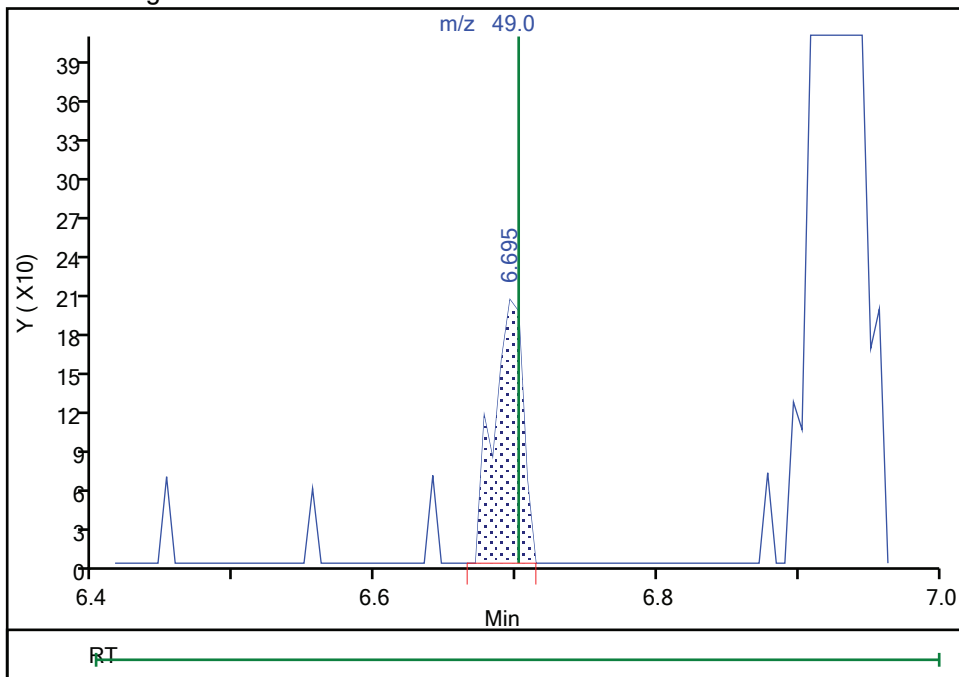
RT: 6.70
Area: 294
Amount: 3.342231
Amount Units: ug/l

Processing Integration Results



RT: 6.70
Area: 294
Amount: 3.979019
Amount Units: ug/l

Manual Integration Results



Reviewer: boykink, 11-Jun-2020 03:22:14

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

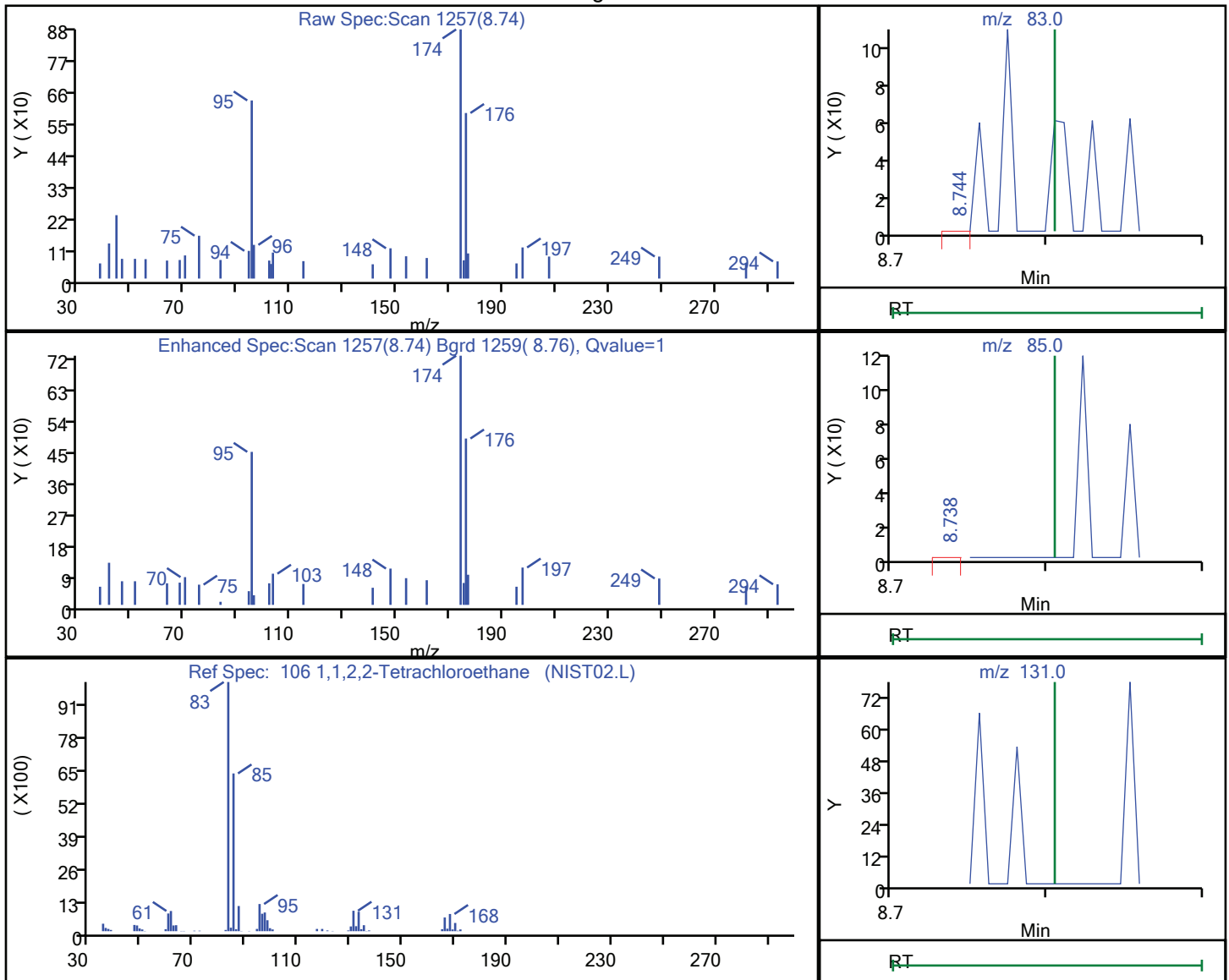
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

106 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
8.74	83.00	24	0.006704
8.74	85.00	46	
8.81	131.00	0	

Reviewer: boykink, 11-Jun-2020 03:22:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

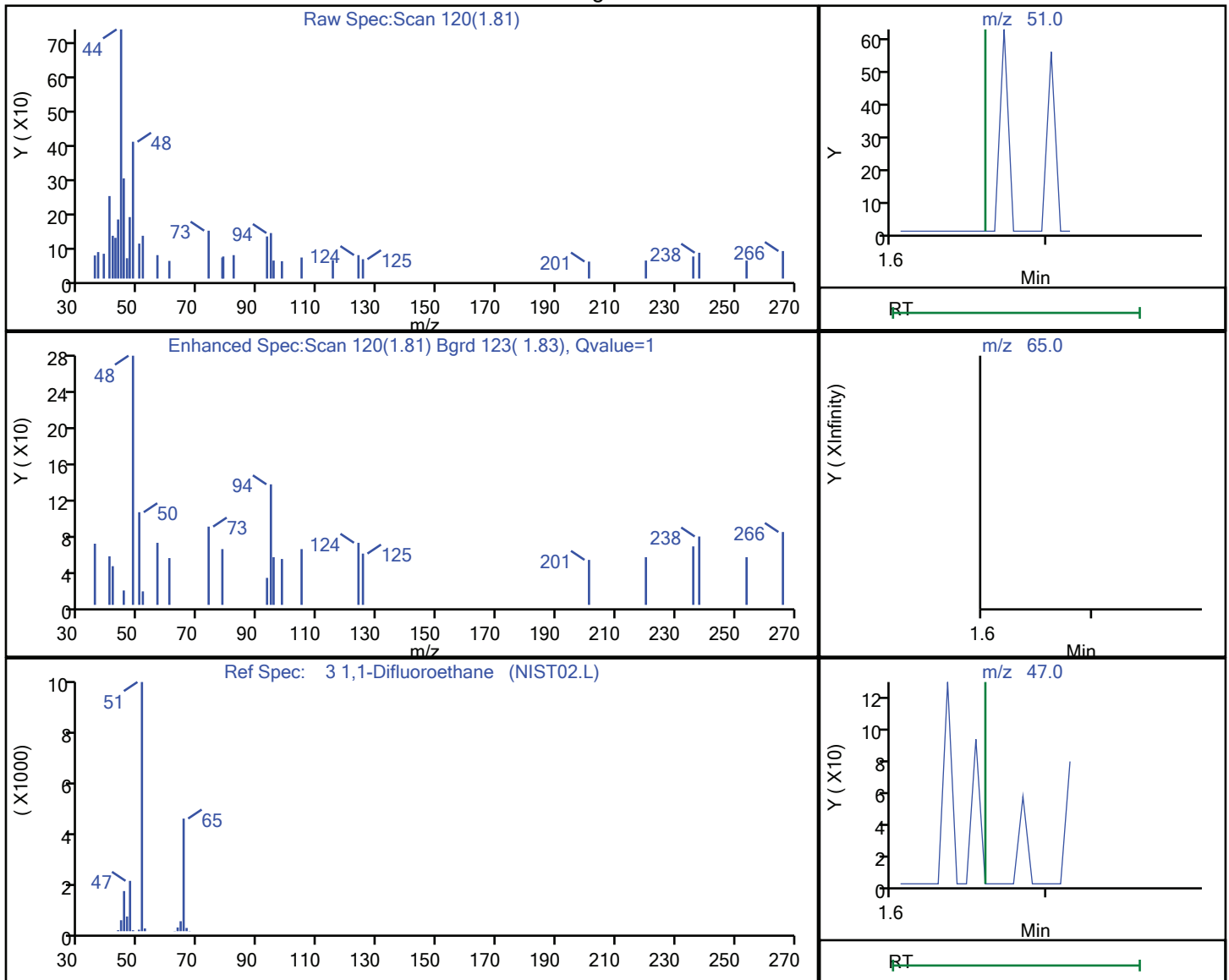
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Processing Results



RT	Mass	Response	Amount
1.81	51.00	80	0.041119
1.81	65.00	81	
1.82	47.00	216	

Reviewer: boykink, 11-Jun-2020 03:21:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

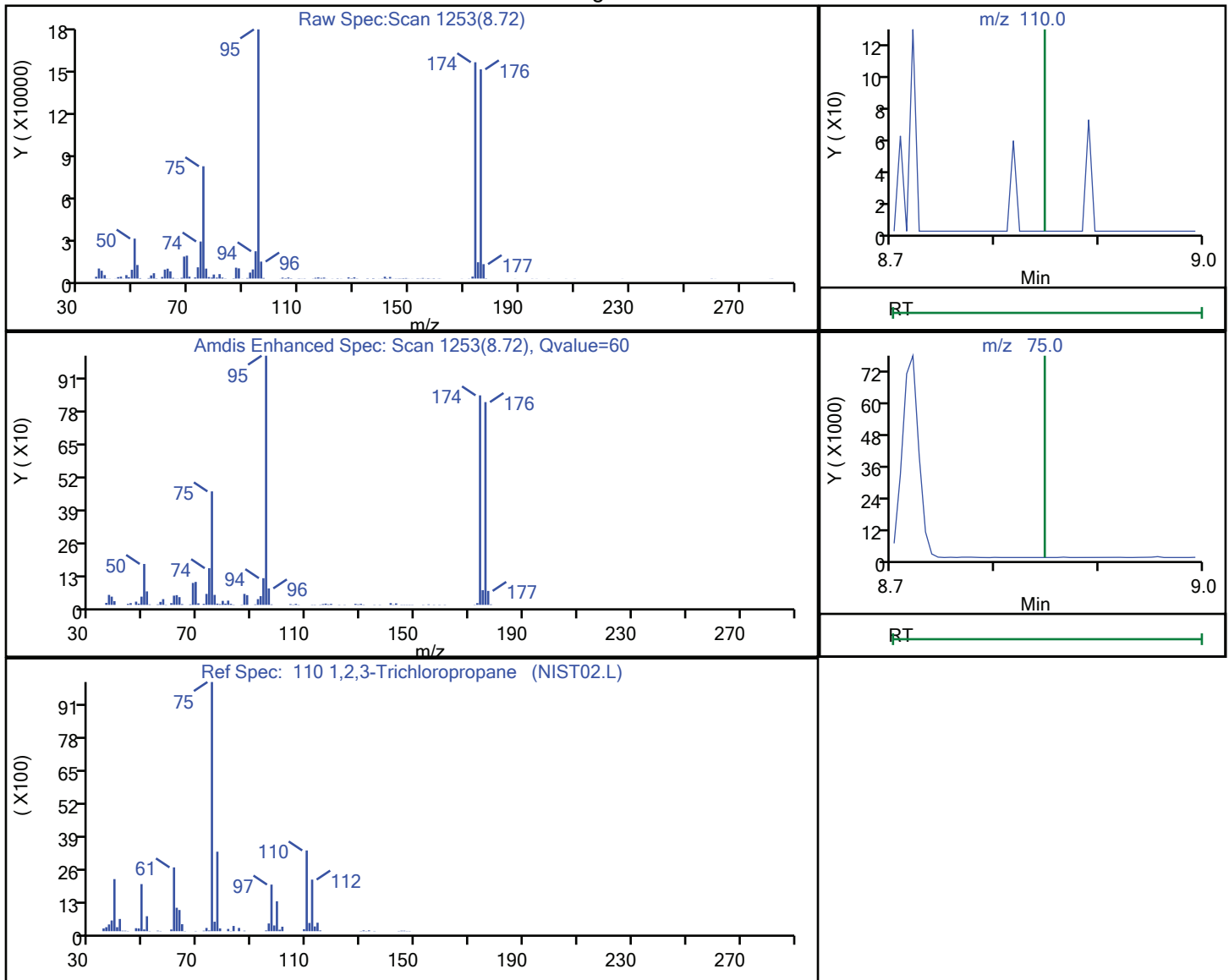
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

110 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
8.72	110.00	67	1.037796
8.72	75.00	86056	

Reviewer: boykink, 11-Jun-2020 03:22:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

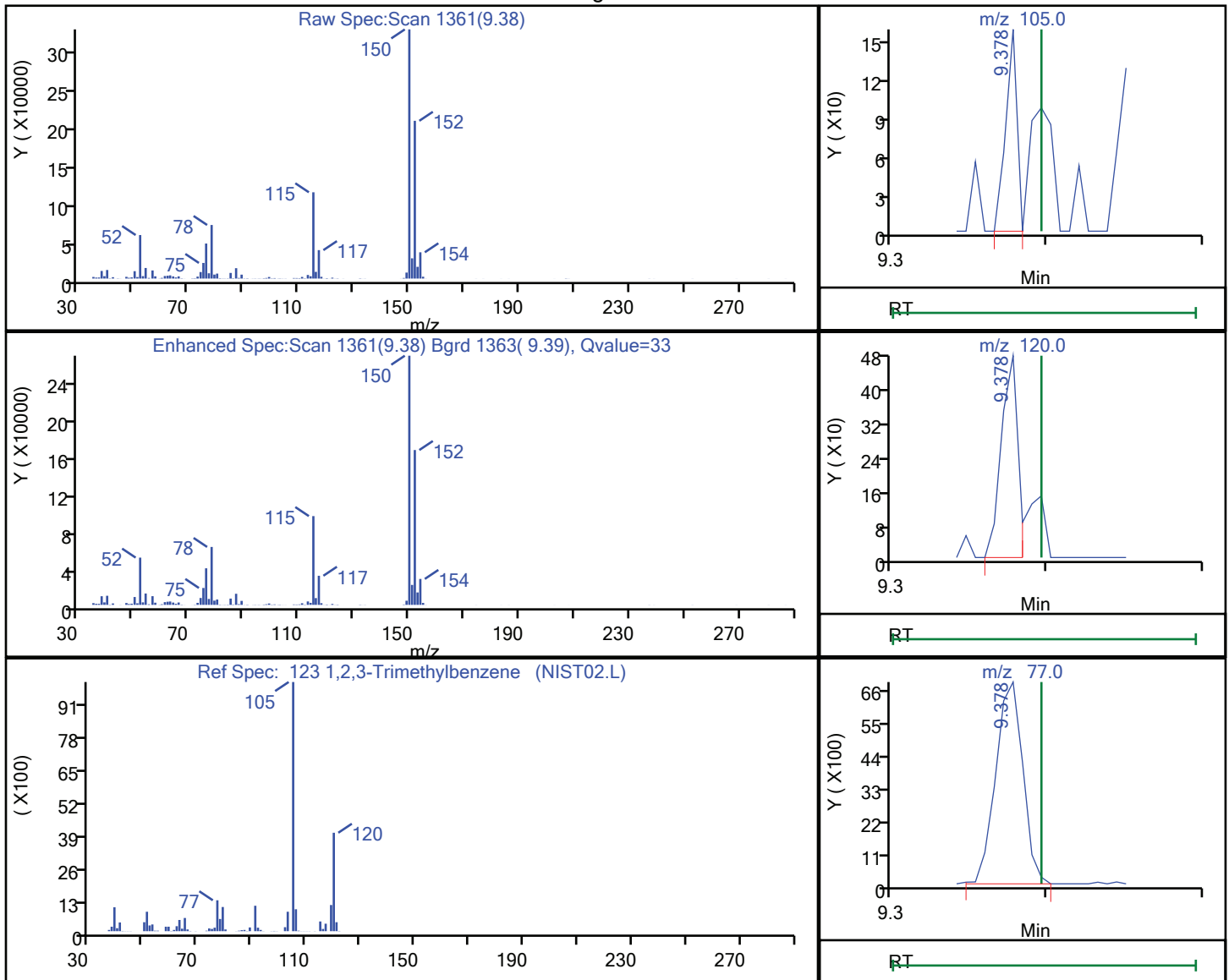
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
9.38	105.00	80	0.005851
9.38	120.00	357	
9.38	77.00	8393	

Reviewer: moroneyc, 11-Jun-2020 08:48:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

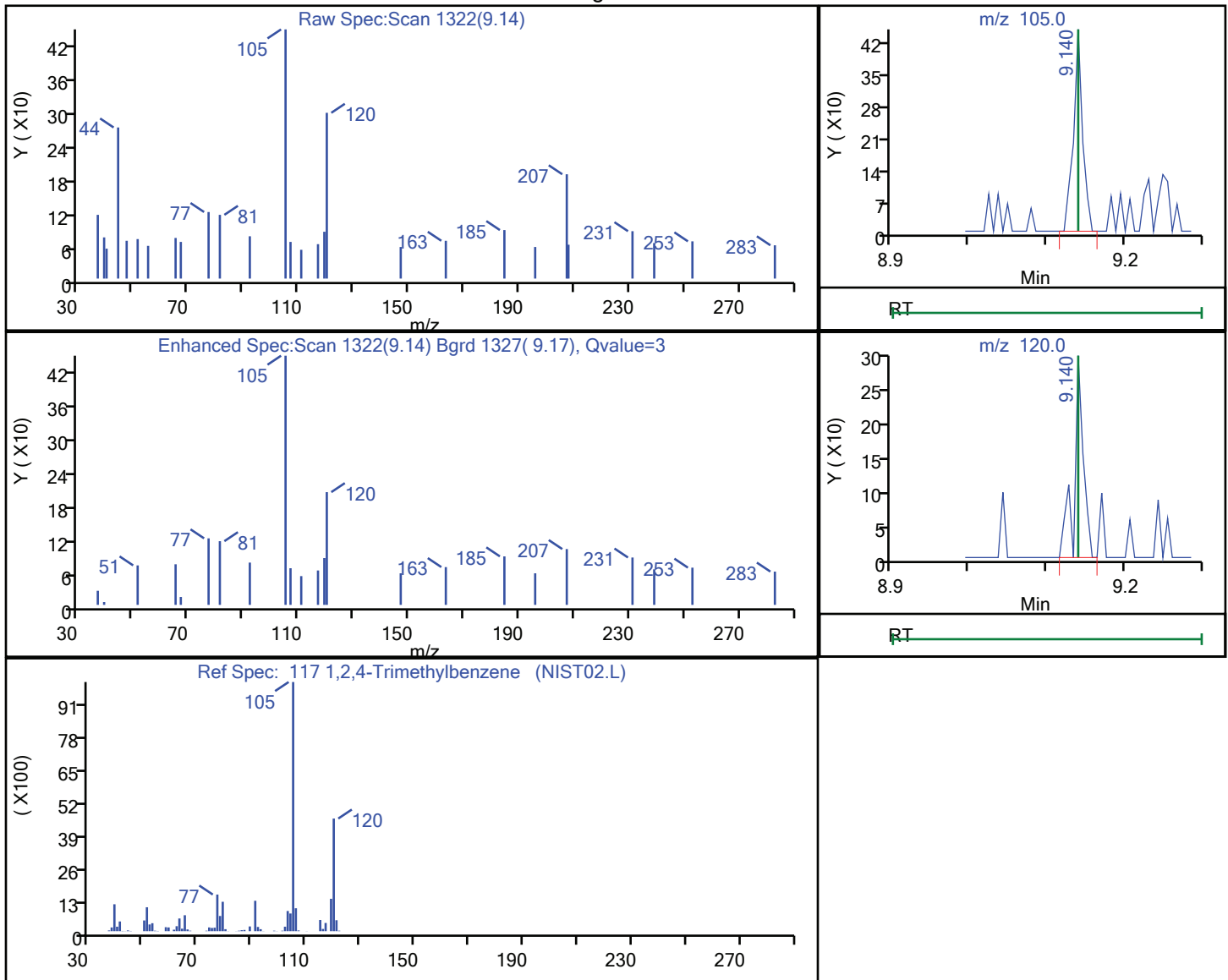
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

117 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
9.14	105.00	365	0.026723
9.14	120.00	246	

Reviewer: boykink, 11-Jun-2020 03:22:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

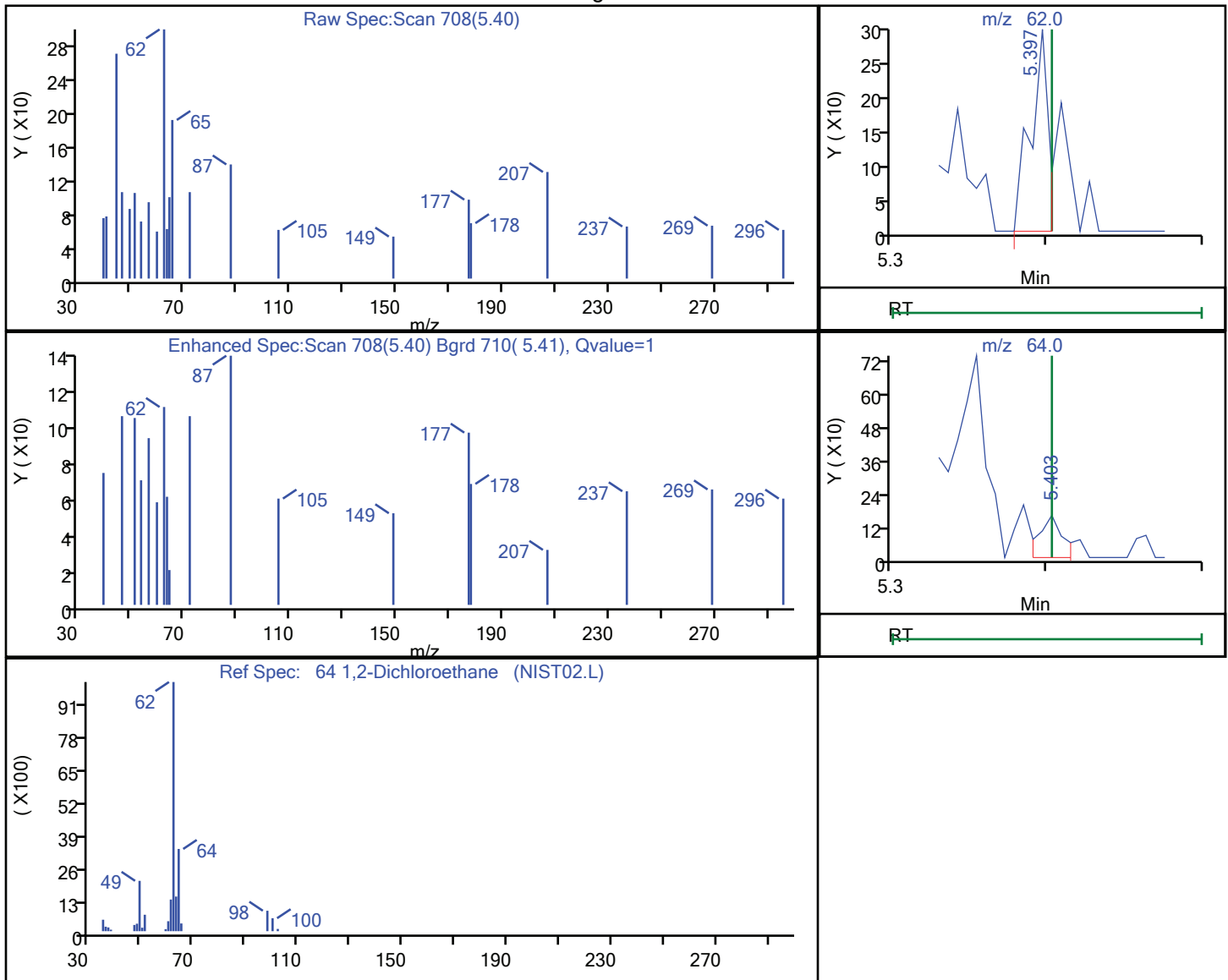
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.40	62.00	241	0.060097
5.40	64.00	164	

Reviewer: boykink, 11-Jun-2020 03:22:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

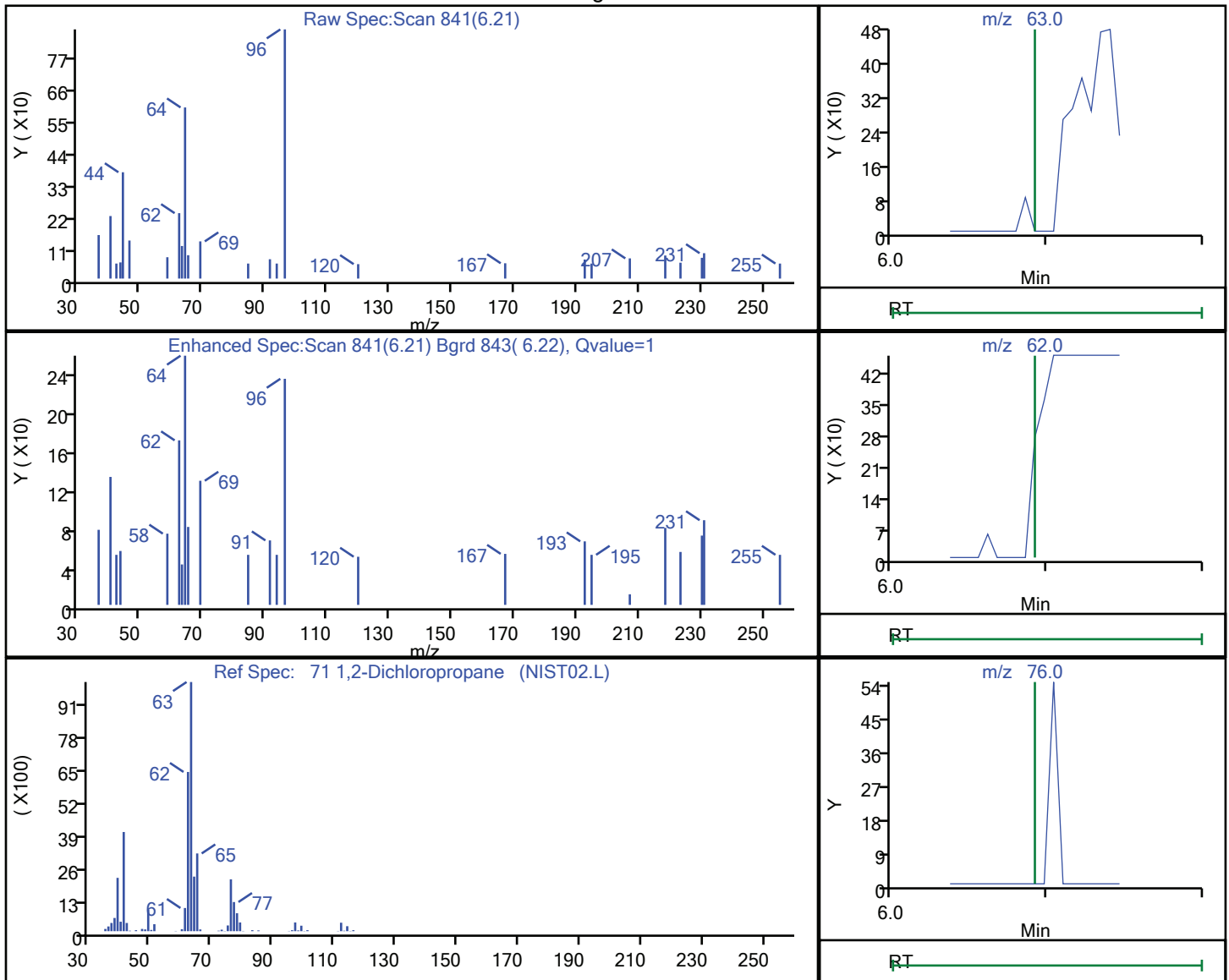
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

71 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
6.21	63.00	97	0.027374
6.20	62.00	339	
6.21	76.00	24	
6.09	112.00	0	

Reviewer: boykink, 11-Jun-2020 03:22:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

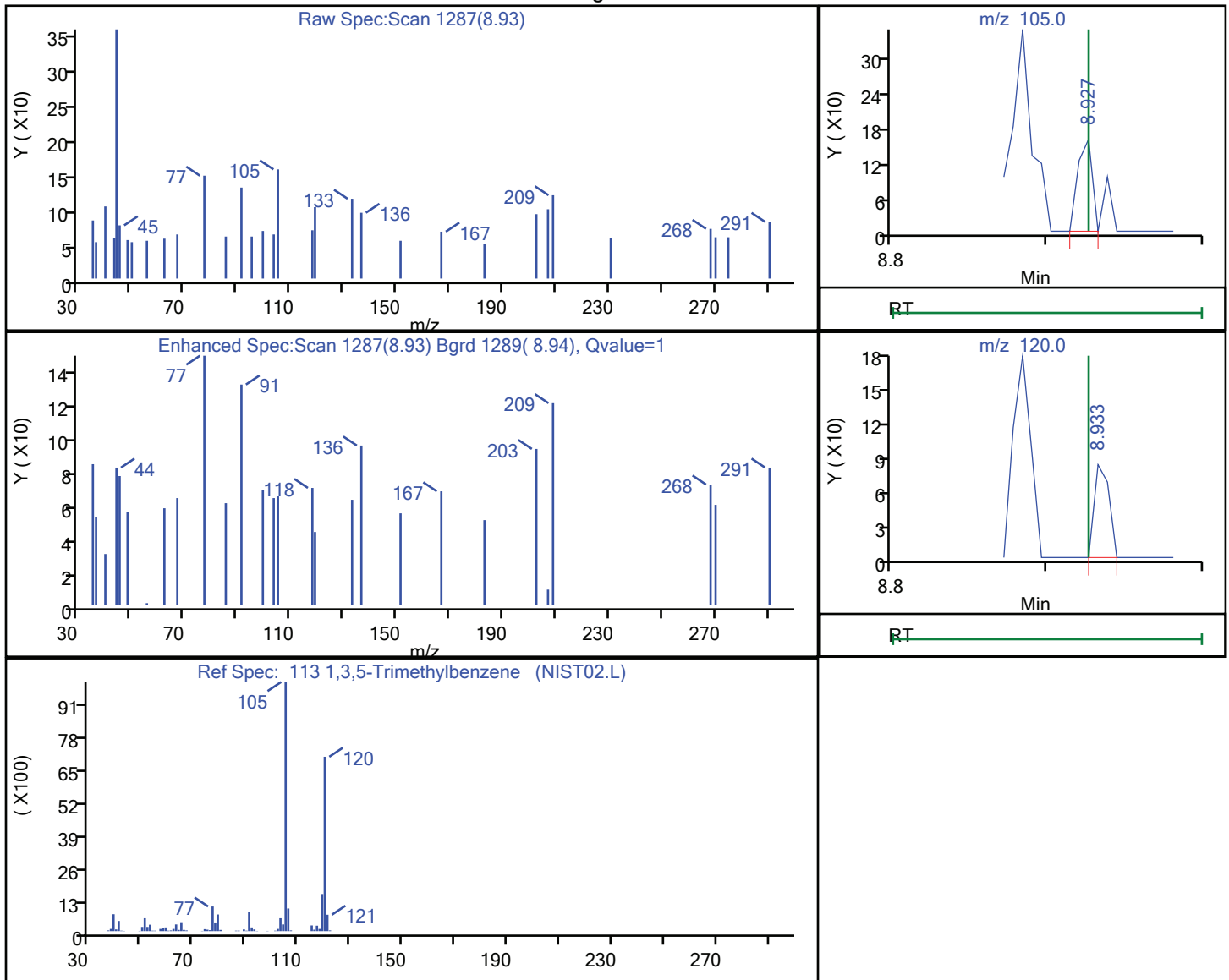
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

113 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
8.93	105.00	101	0.007749
8.93	120.00	53	

Reviewer: boykink, 11-Jun-2020 03:22:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

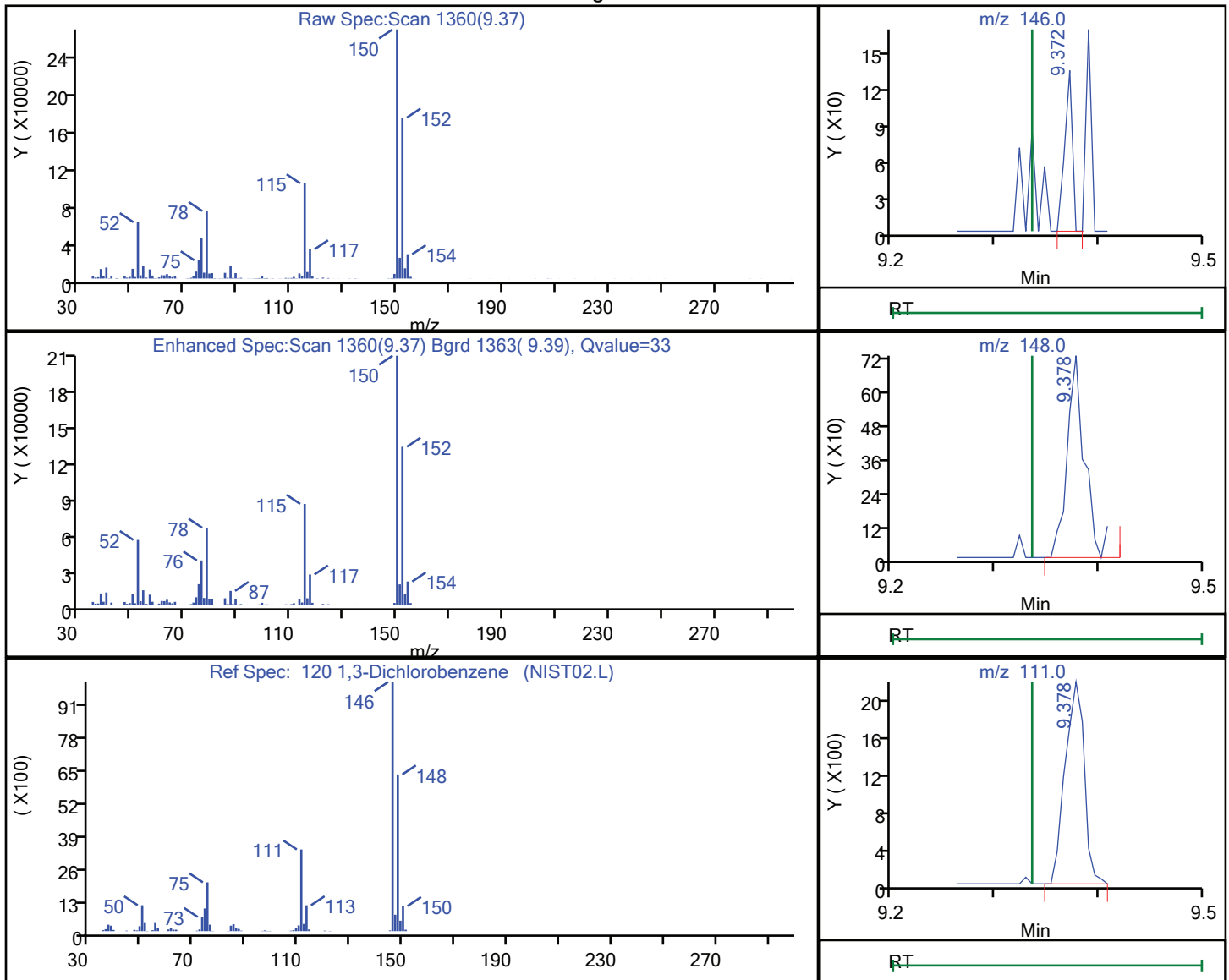
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

120 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
9.37	146.00	67	0.008693
9.38	148.00	856	
9.38	111.00	2707	

Reviewer: boykink, 11-Jun-2020 03:22:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

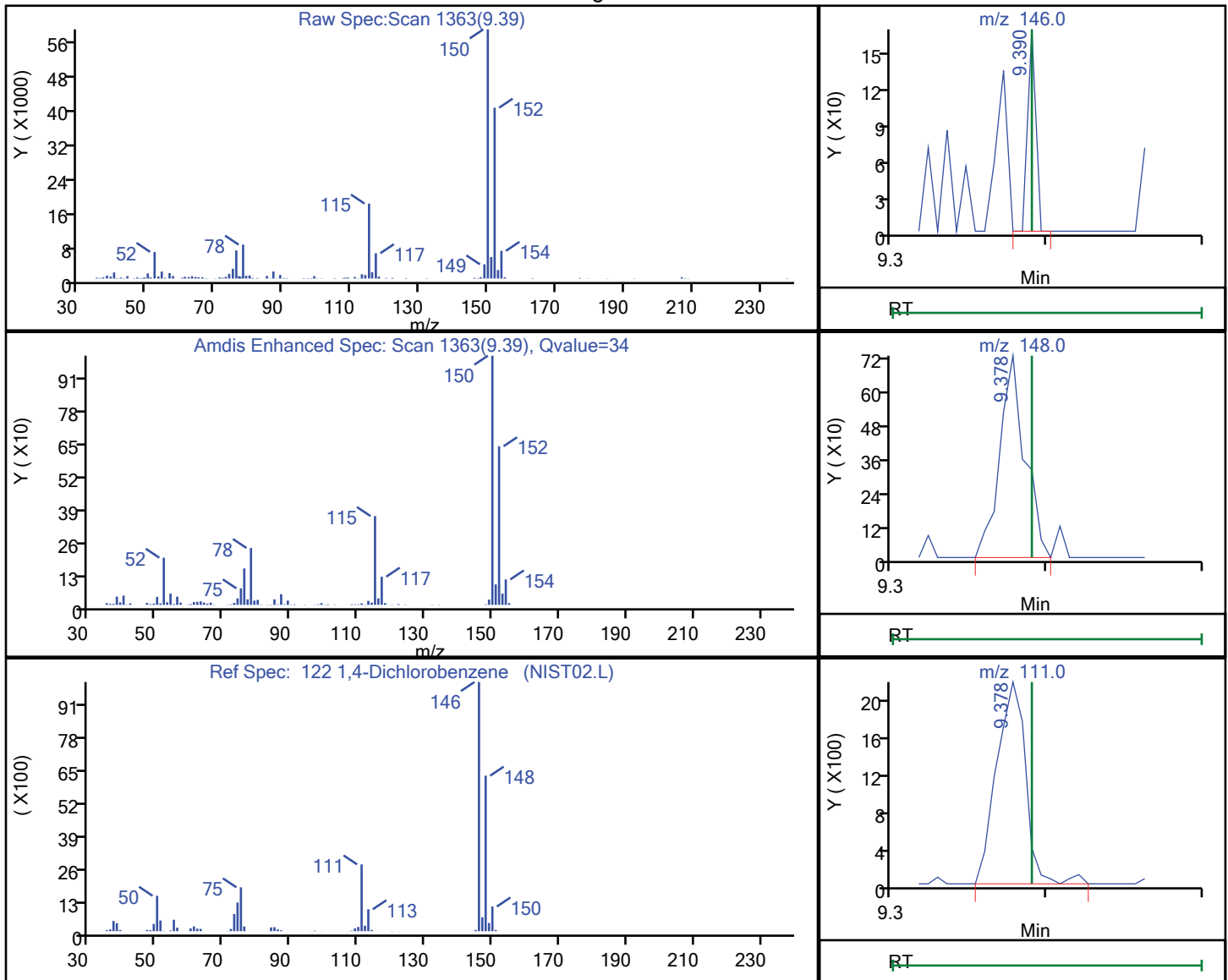
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

122 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
9.39	146.00	59	0.007632
9.38	148.00	816	
9.38	111.00	2762	

Reviewer: boykink, 11-Jun-2020 03:22:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

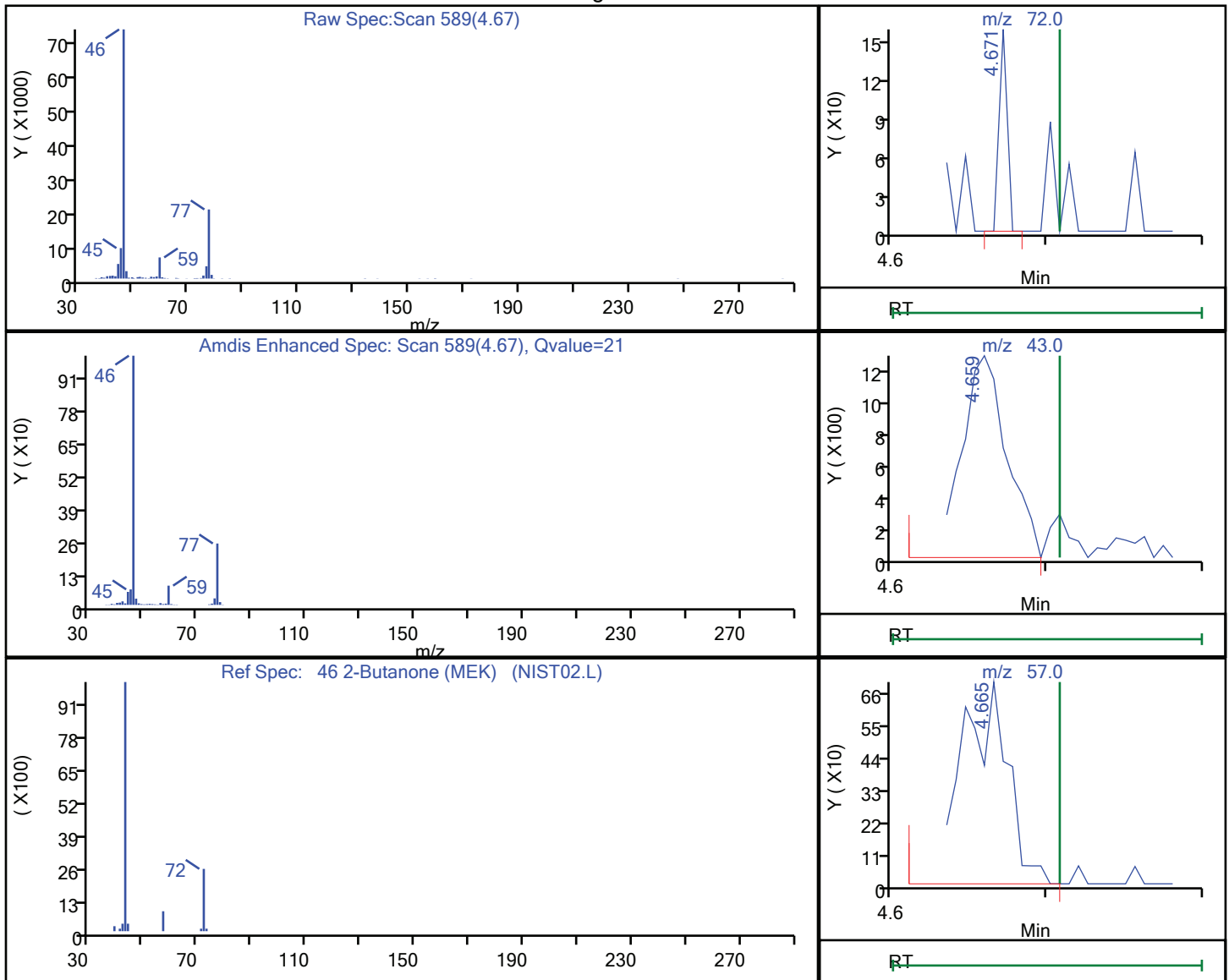
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

46 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.67	72.00	56	0.142148
4.66	43.00	2654	
4.67	57.00	1495	

Reviewer: boykink, 11-Jun-2020 03:21:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

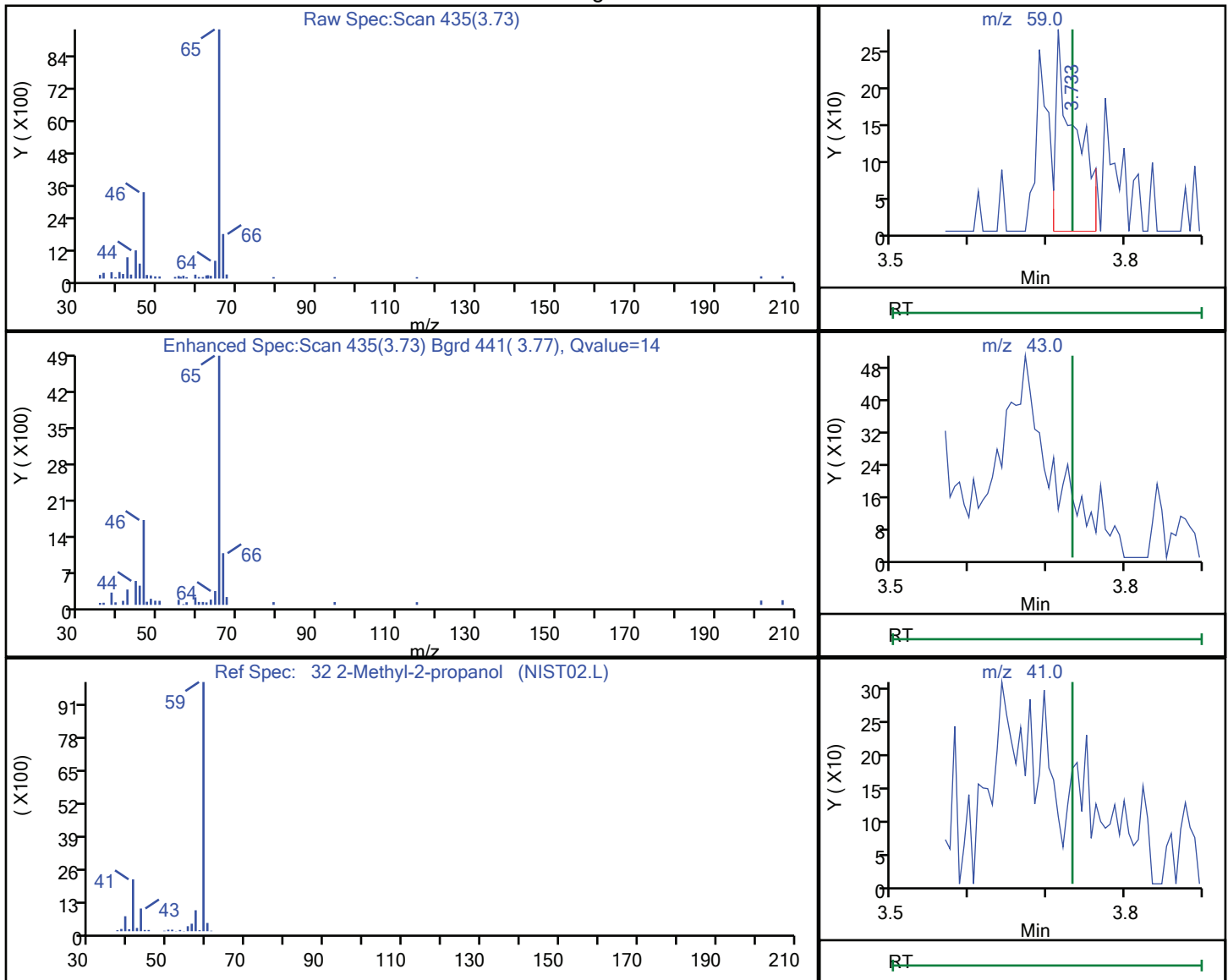
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
3.73	59.00	490	1.556747
3.74	43.00	0	
3.74	41.00	0	

Reviewer: boykink, 11-Jun-2020 03:21:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

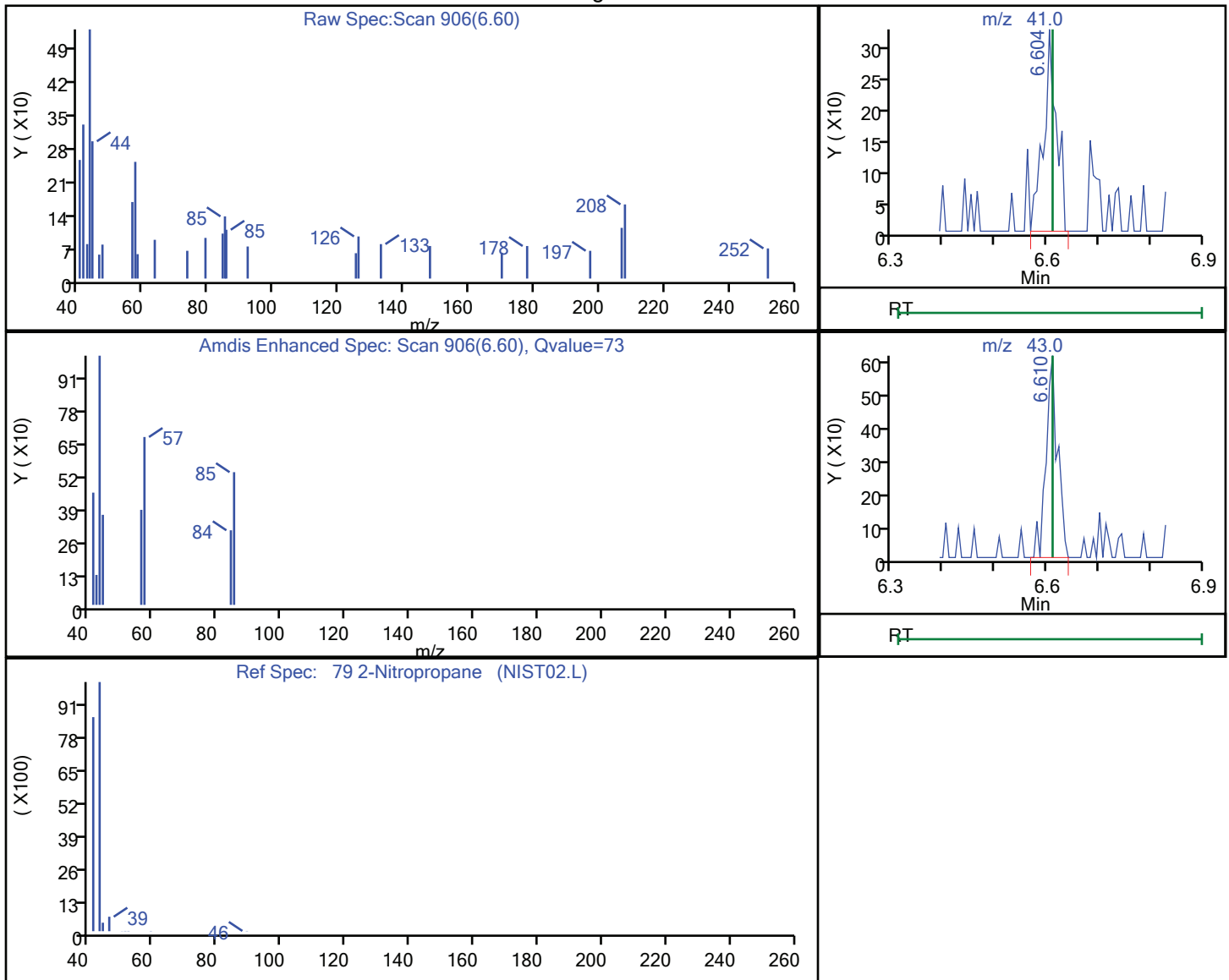
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
6.60	41.00	556	1.174521
6.61	43.00	955	

Reviewer: boykink, 11-Jun-2020 03:22:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

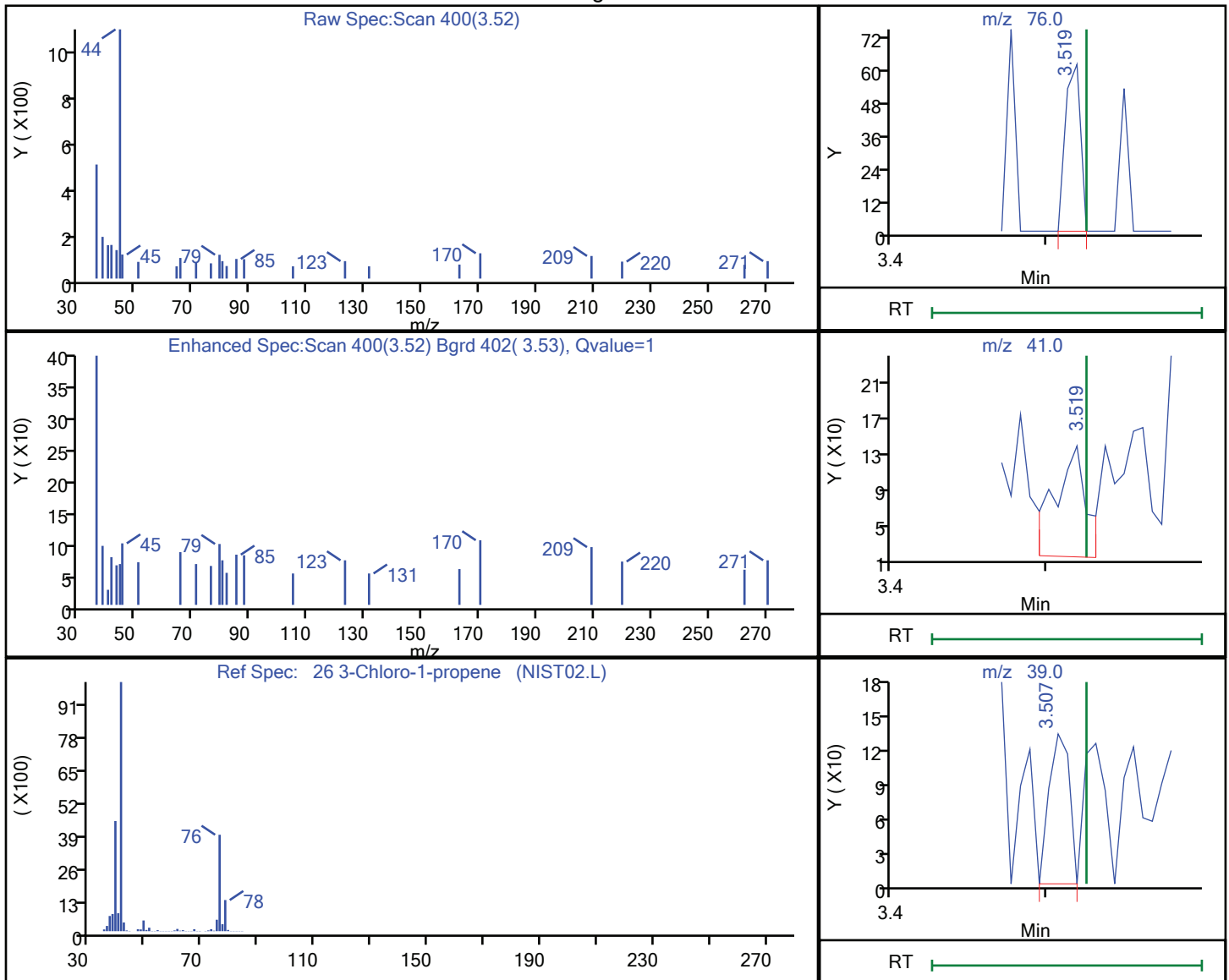
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.52	76.00	42	0.012323
3.52	41.00	176	
3.51	39.00	116	

Reviewer: boykink, 11-Jun-2020 03:21:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

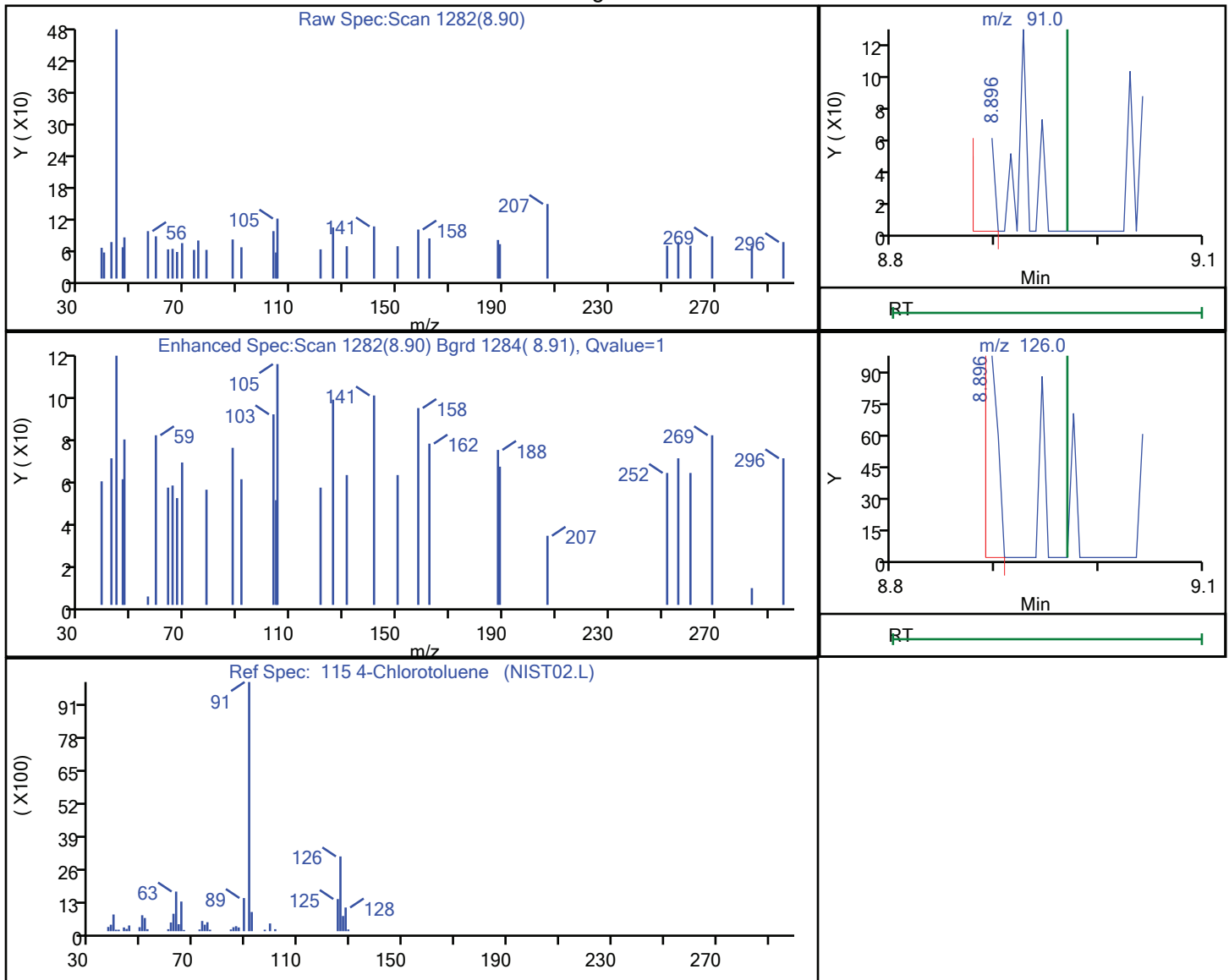
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

115 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
8.90	91.00	41	0.003728
8.90	126.00	57	

Reviewer: boykink, 11-Jun-2020 03:22:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

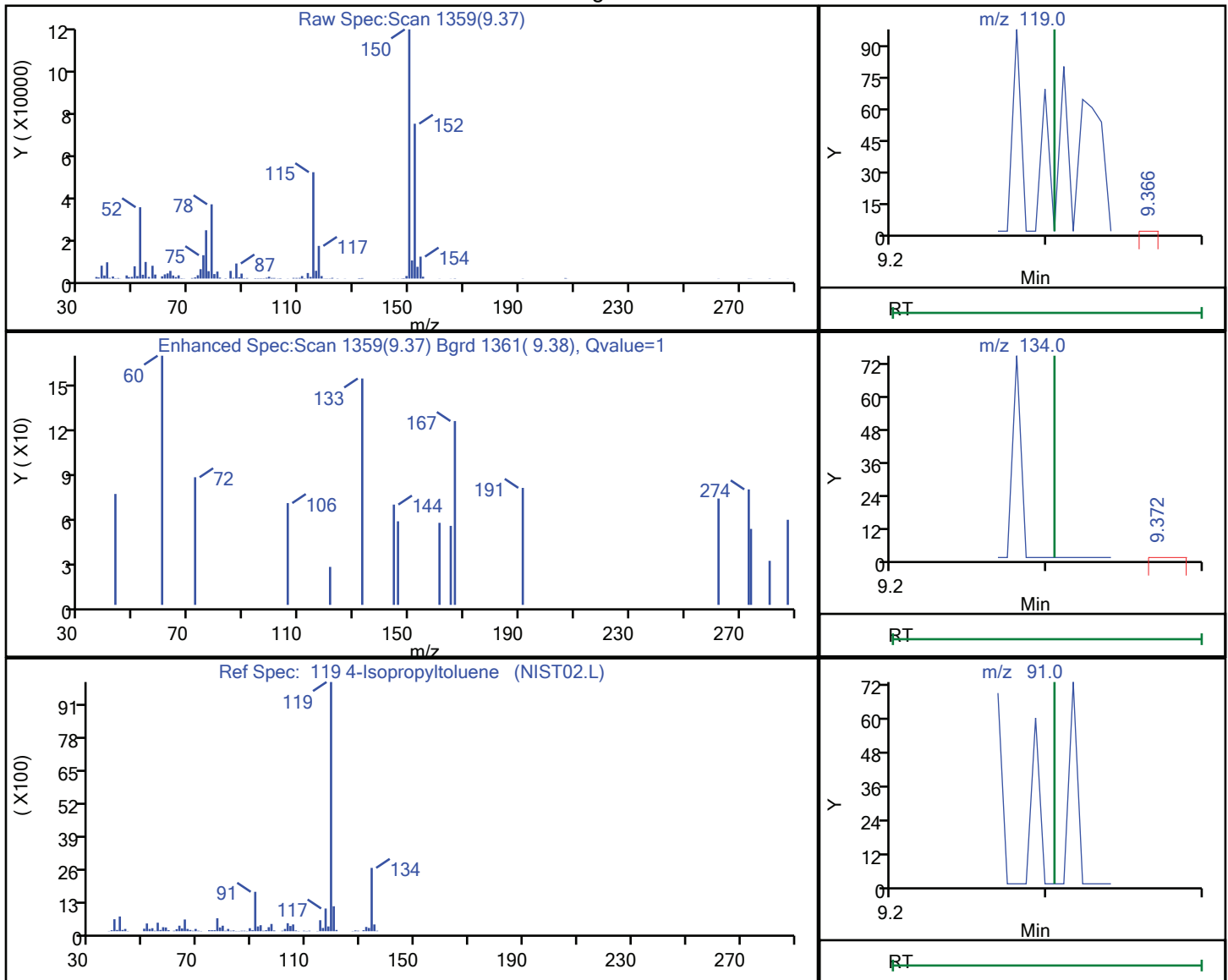
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
9.37	119.00	45	0.003119
9.37	134.00	180	
9.37	91.00	660	

Reviewer: boykink, 11-Jun-2020 03:22:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

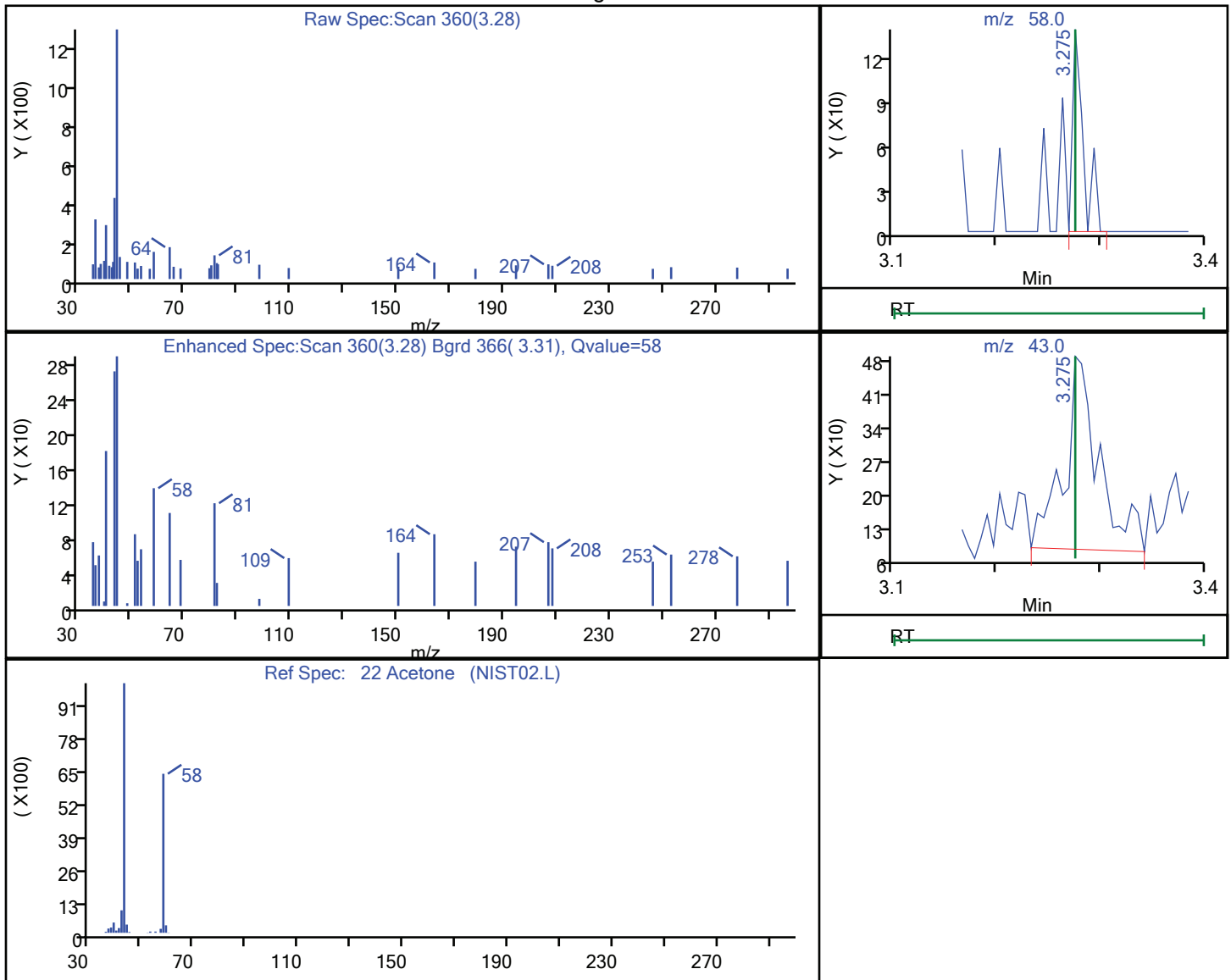
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.28	58.00	97	0.172475
3.28	43.00	913	

Reviewer: boykink, 11-Jun-2020 03:21:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

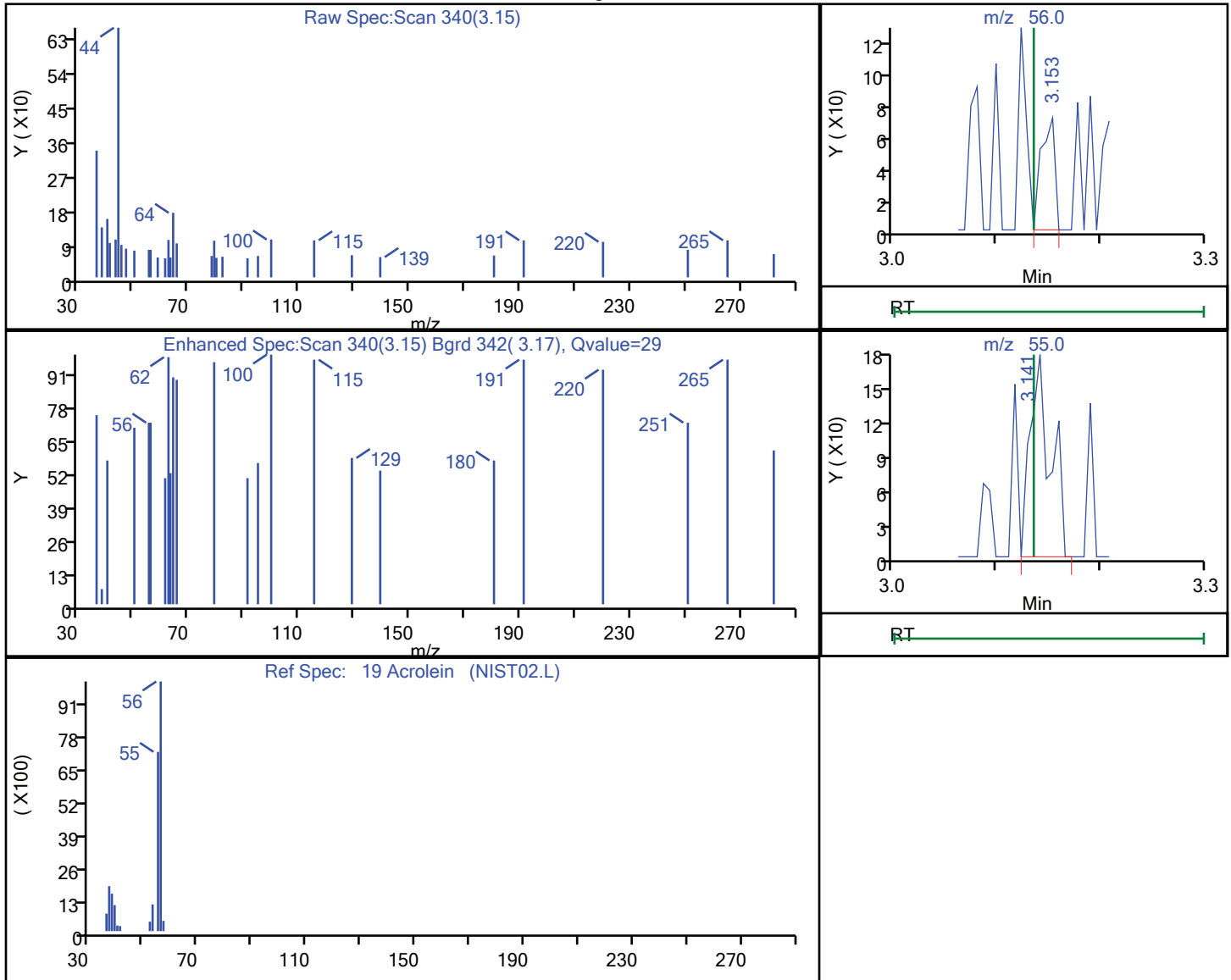
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

19 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
3.15	56.00	66	0.267558
3.14	55.00	234	

Reviewer: boykink, 11-Jun-2020 03:21:47

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

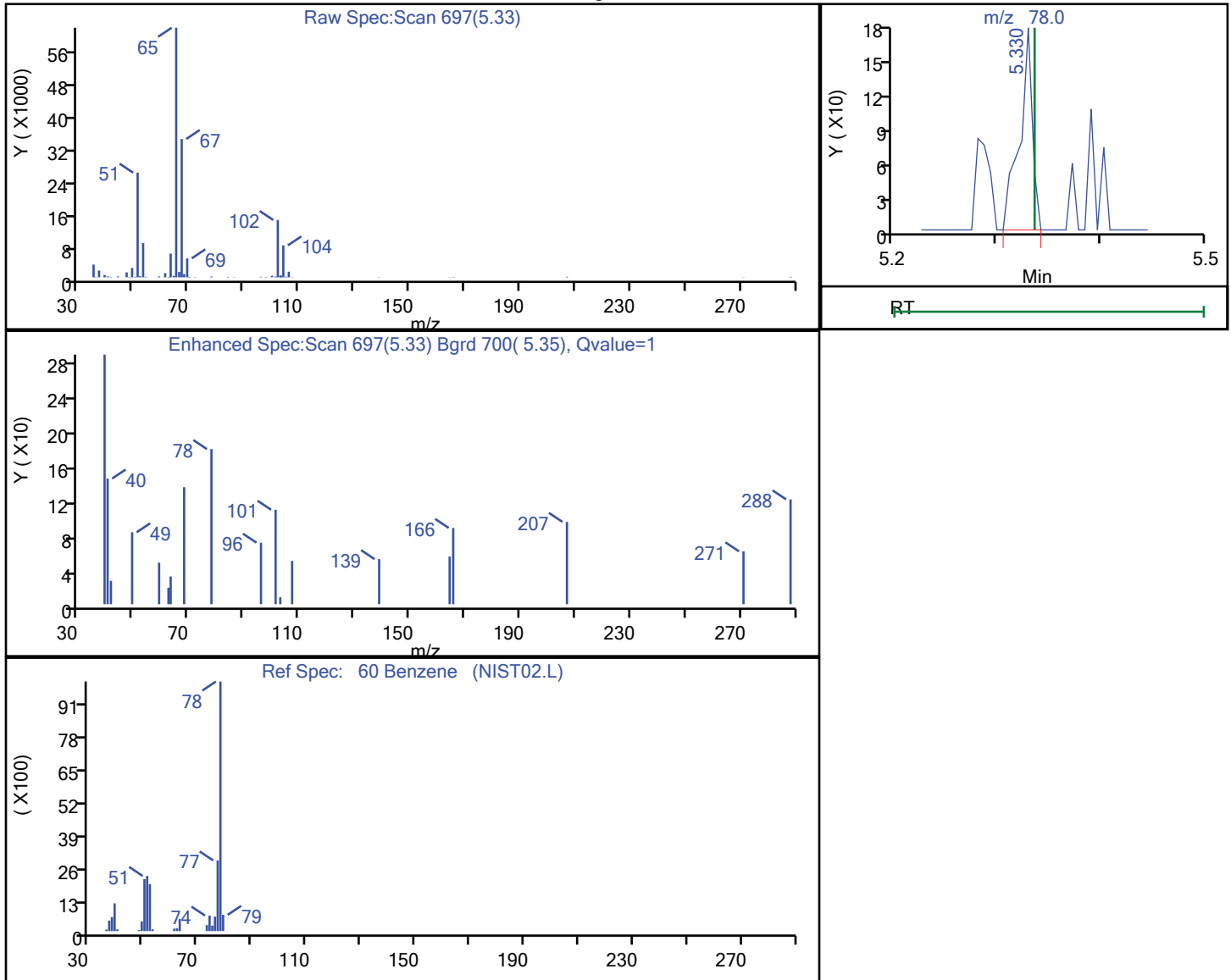
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

60 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
5.33	78.00	155	0.010941

Reviewer: boykink, 11-Jun-2020 03:22:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

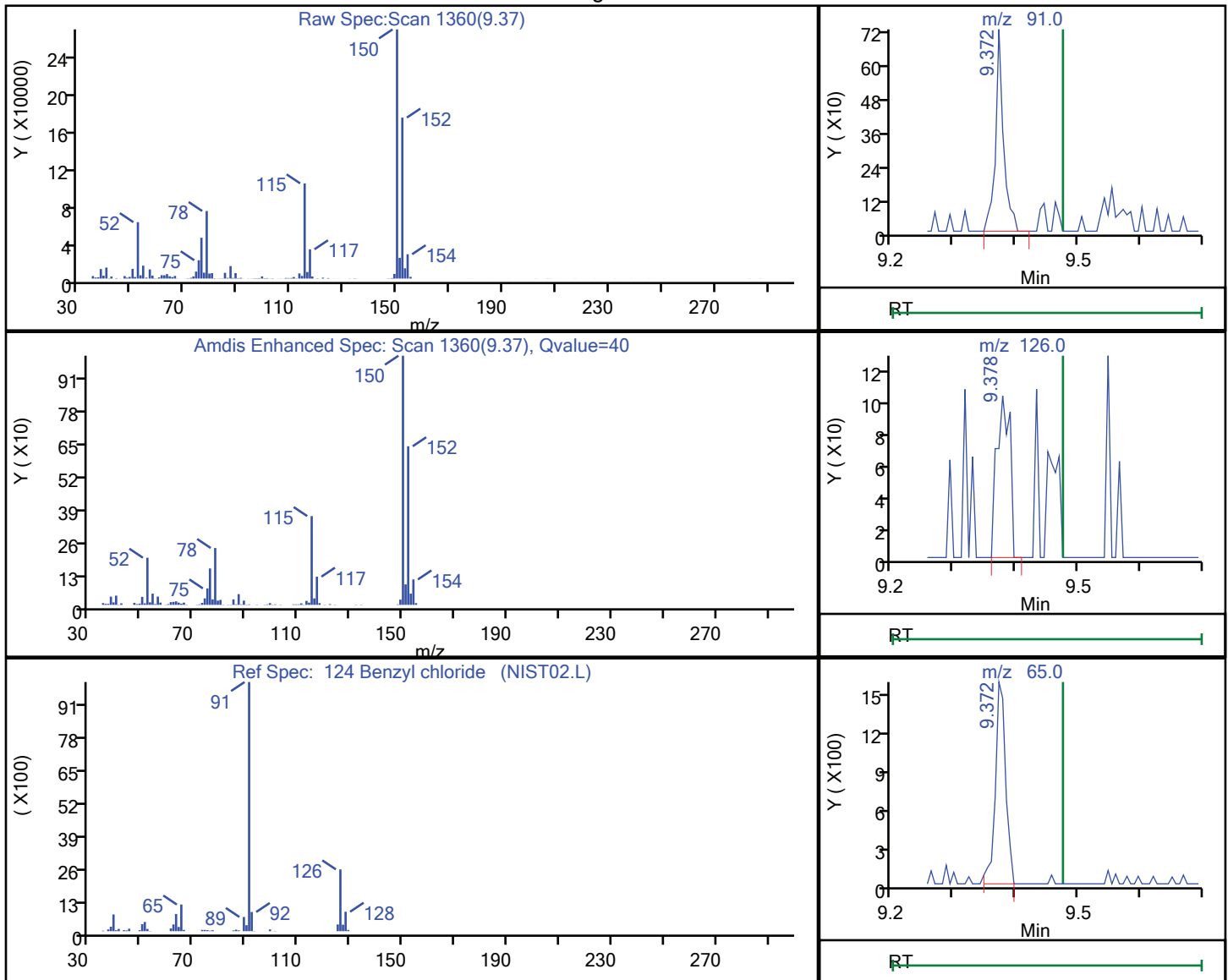
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

124 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
9.37	91.00	660	0.265642
9.38	126.00	148	
9.37	65.00	1817	

Reviewer: boykink, 11-Jun-2020 03:22:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

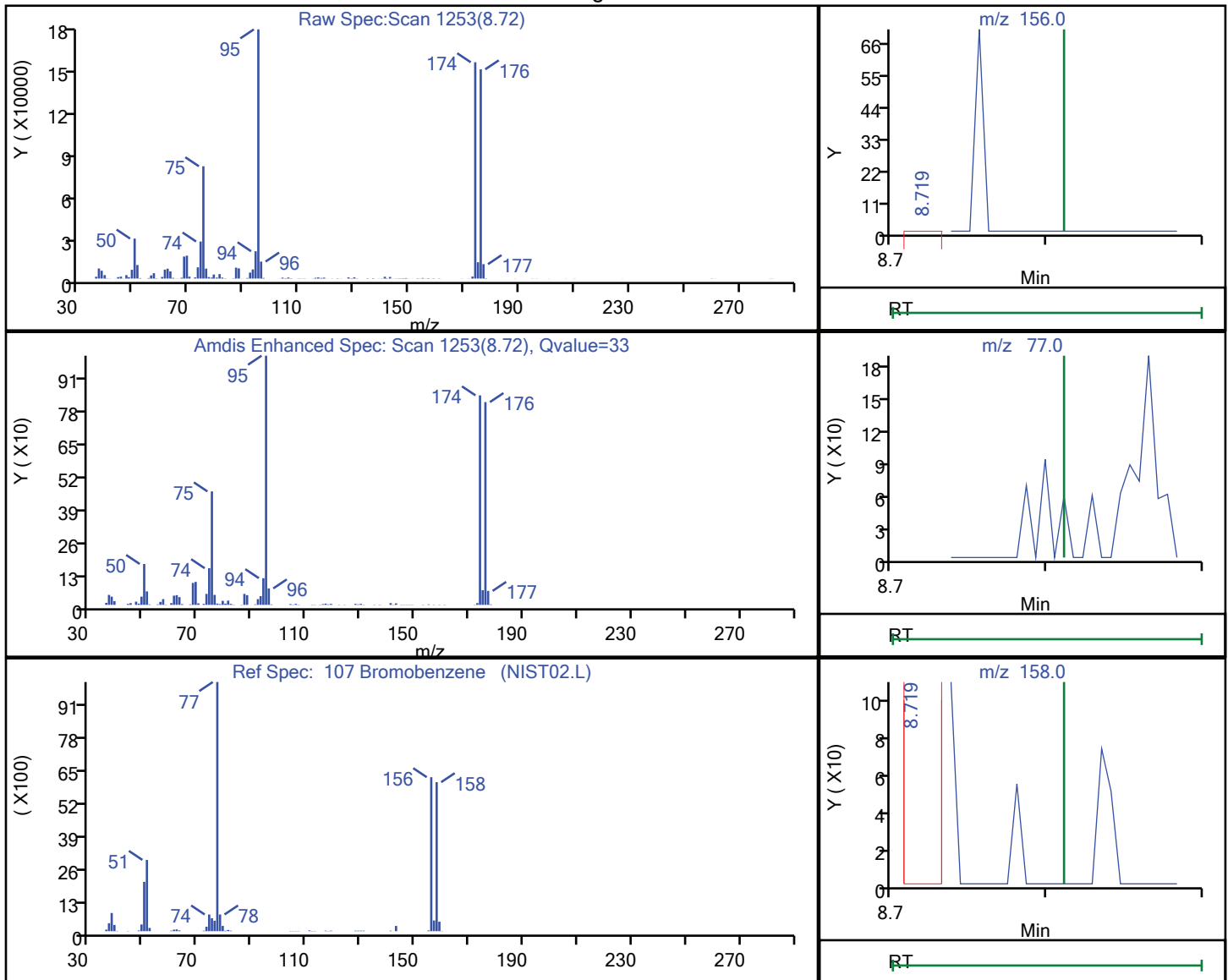
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

107 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
8.72	156.00	22	0.005925
8.72	77.00	882	
8.72	158.00	19	

Reviewer: boykink, 11-Jun-2020 03:22:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

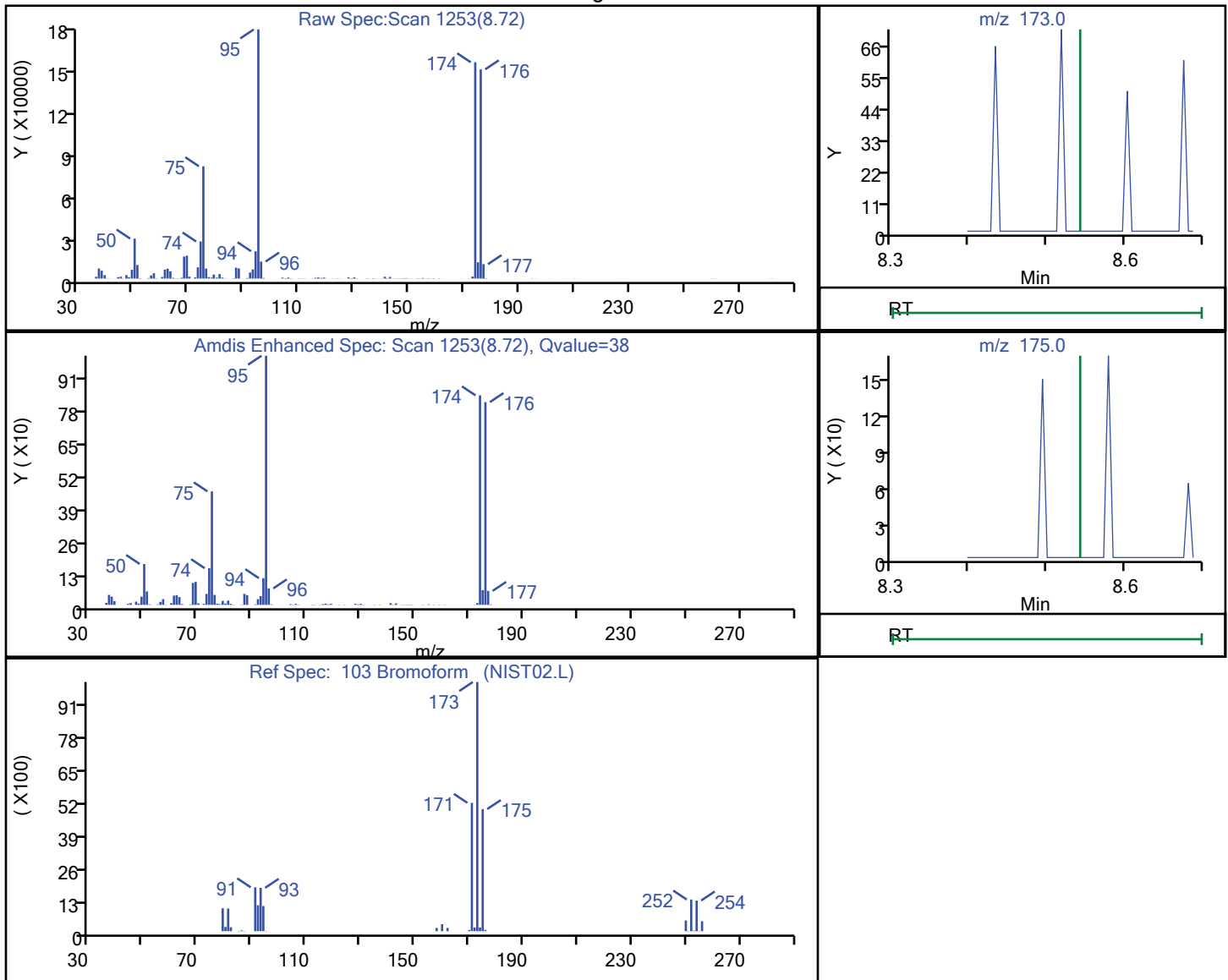
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
8.72	173.00	1143	1.391243
8.72	175.00	11066	

Reviewer: boykink, 11-Jun-2020 03:22:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

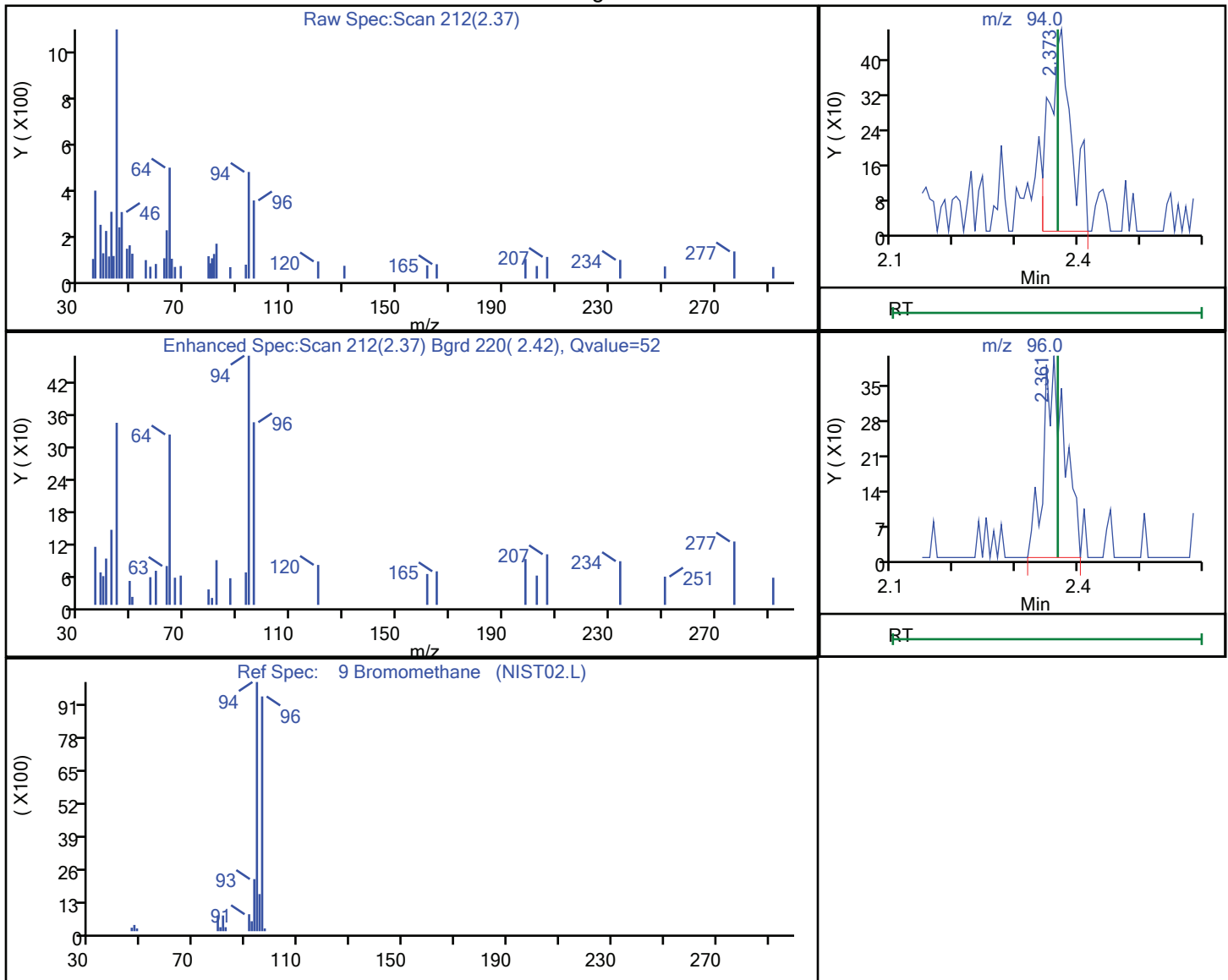
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.37	94.00	1154	0.250000
2.36	96.00	974	

Reviewer: boykink, 11-Jun-2020 02:39:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

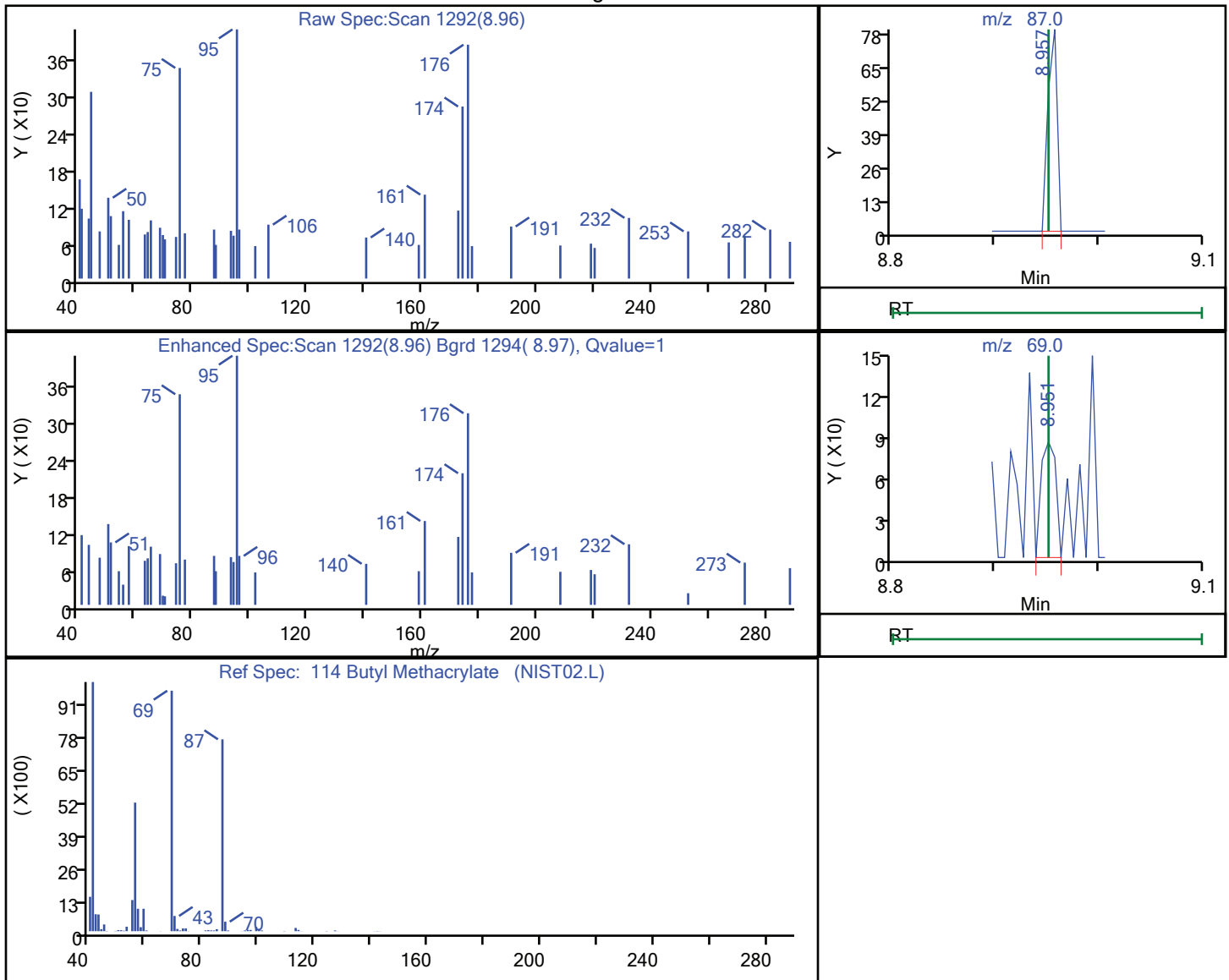
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

114 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
8.96	87.00	50	0.024467
8.95	69.00	81	

Reviewer: boykink, 11-Jun-2020 03:22:33

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

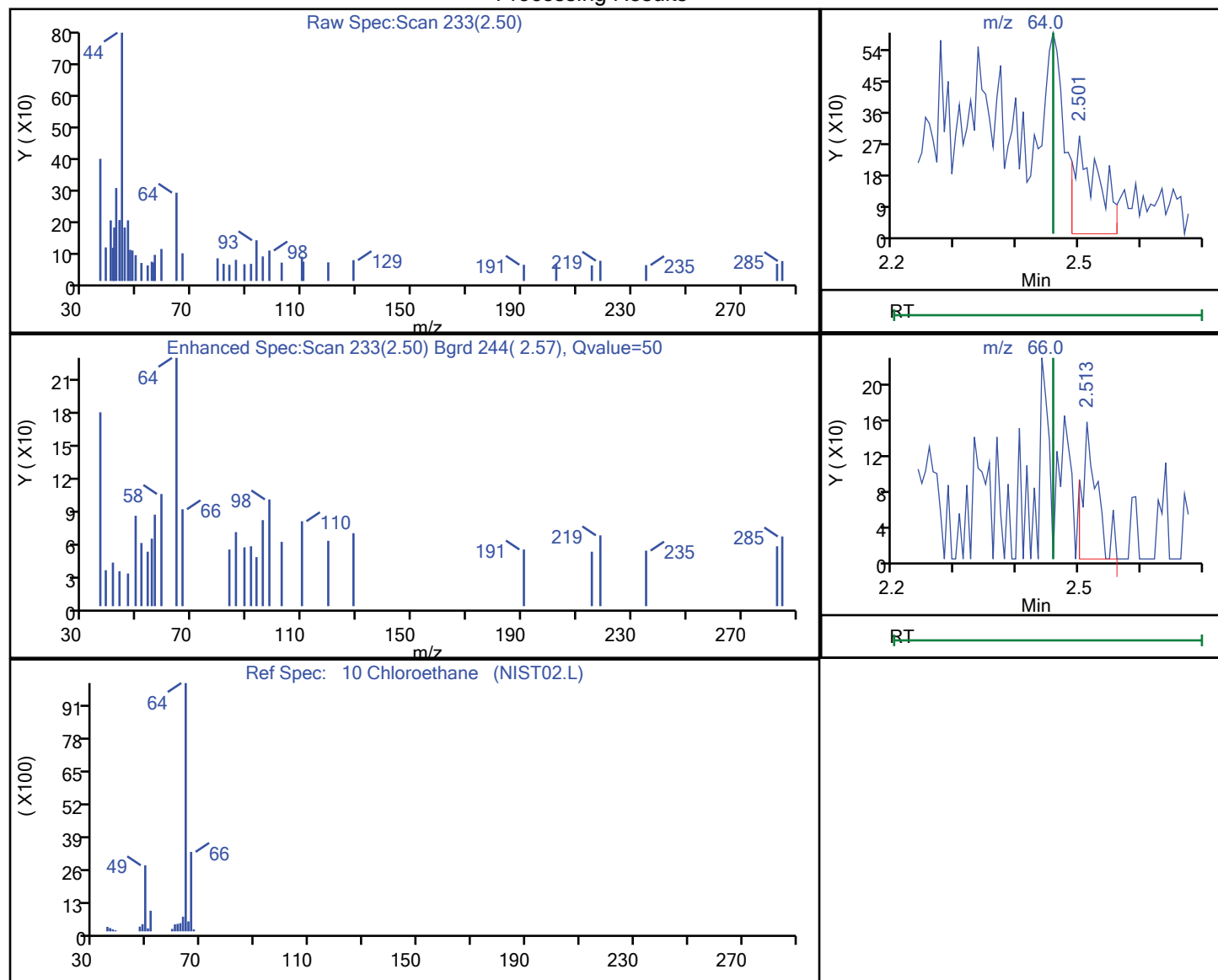
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.50	64.00	771	0.250000
2.51	66.00	248	

Reviewer: boykink, 11-Jun-2020 02:39:03

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

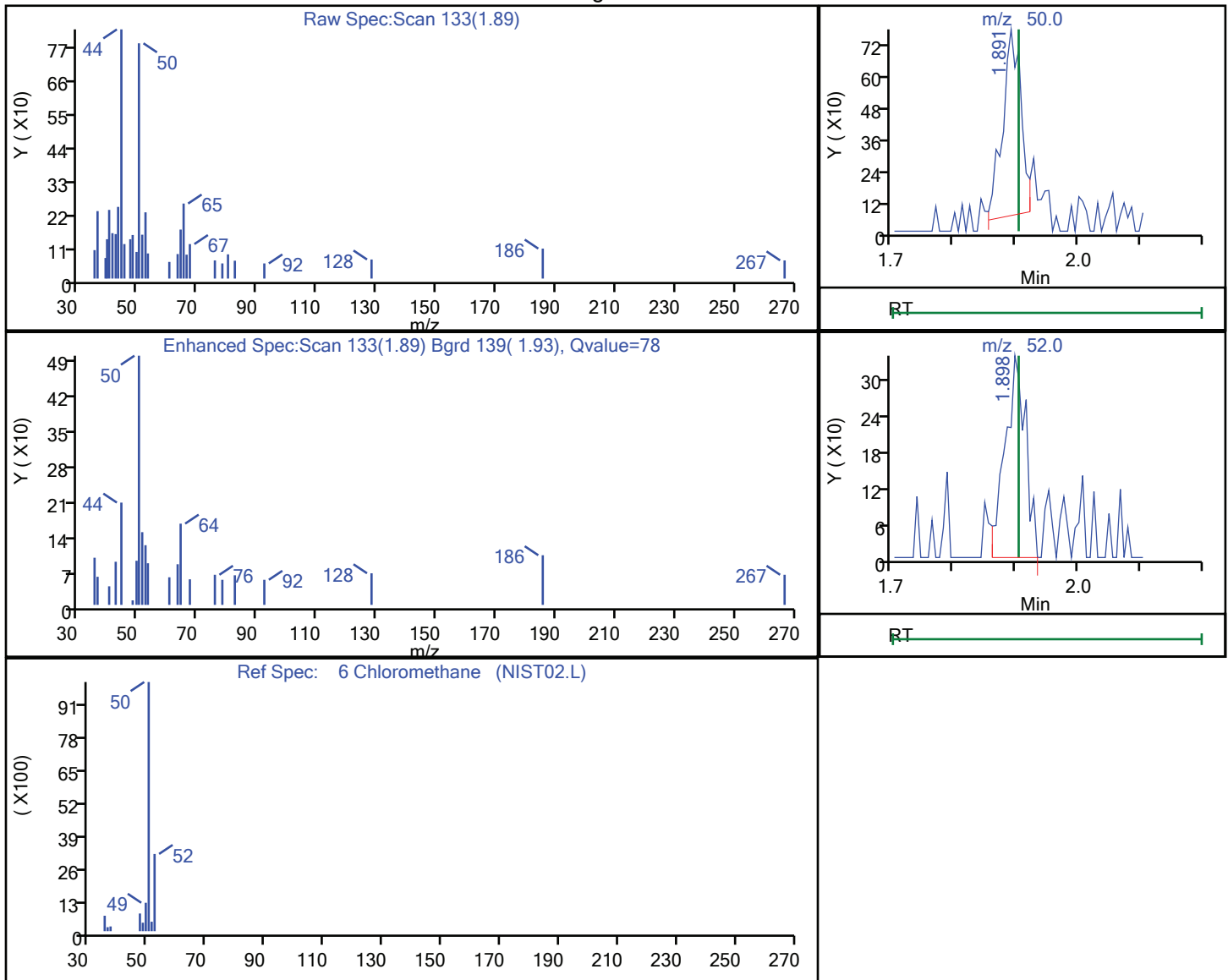
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.89	50.00	1499	0.250000
1.90	52.00	785	

Reviewer: boykink, 11-Jun-2020 02:38:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

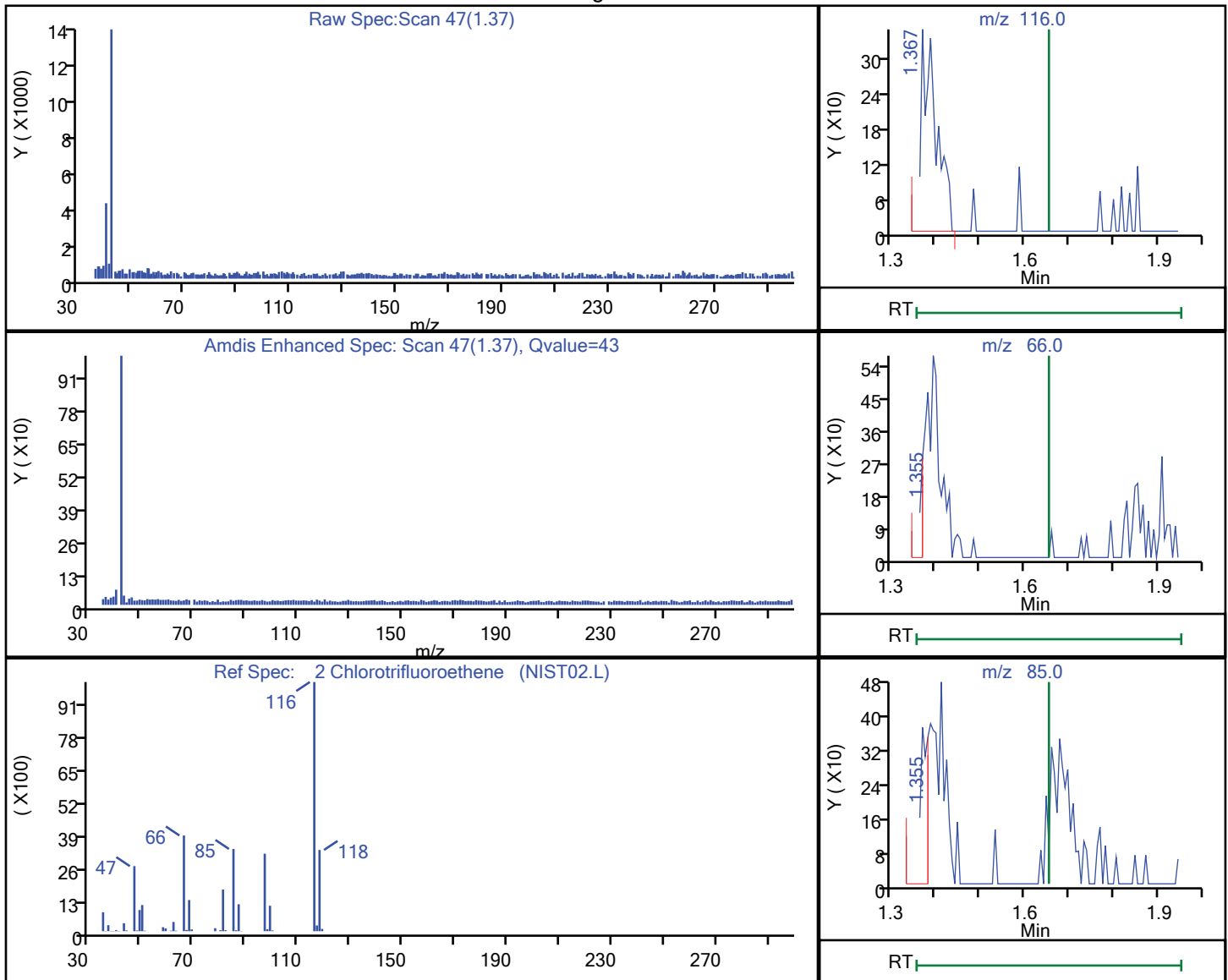
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
1.37	116.00	923	0.850451
1.35	66.00	350	
1.35	85.00	669	
1.38	118.00	938	

Reviewer: boykink, 11-Jun-2020 03:21:41

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

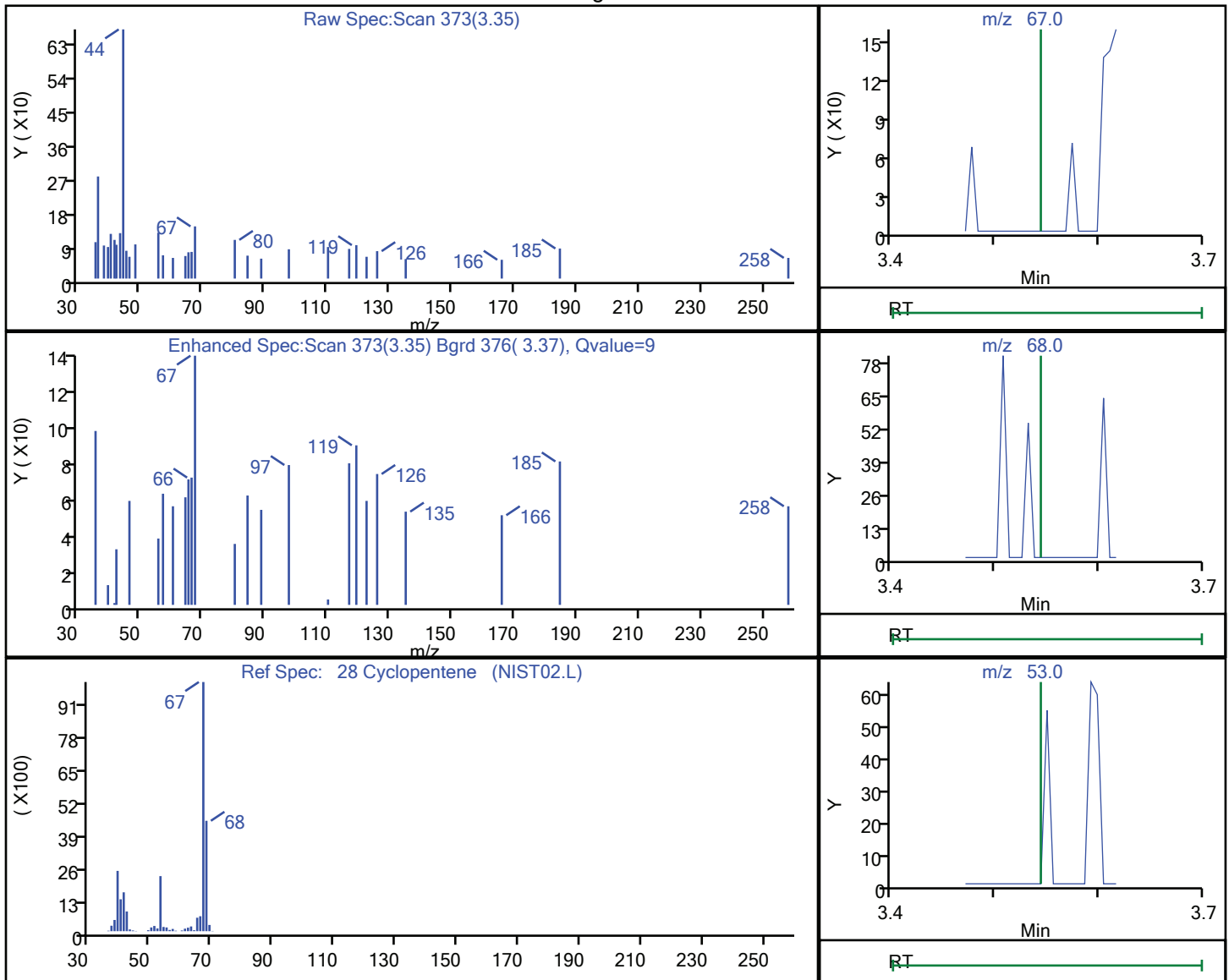
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

28 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
3.35	67.00	51	0.005189
3.37	68.00	72	
3.36	53.00	115	

Reviewer: boykink, 11-Jun-2020 03:21:51

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

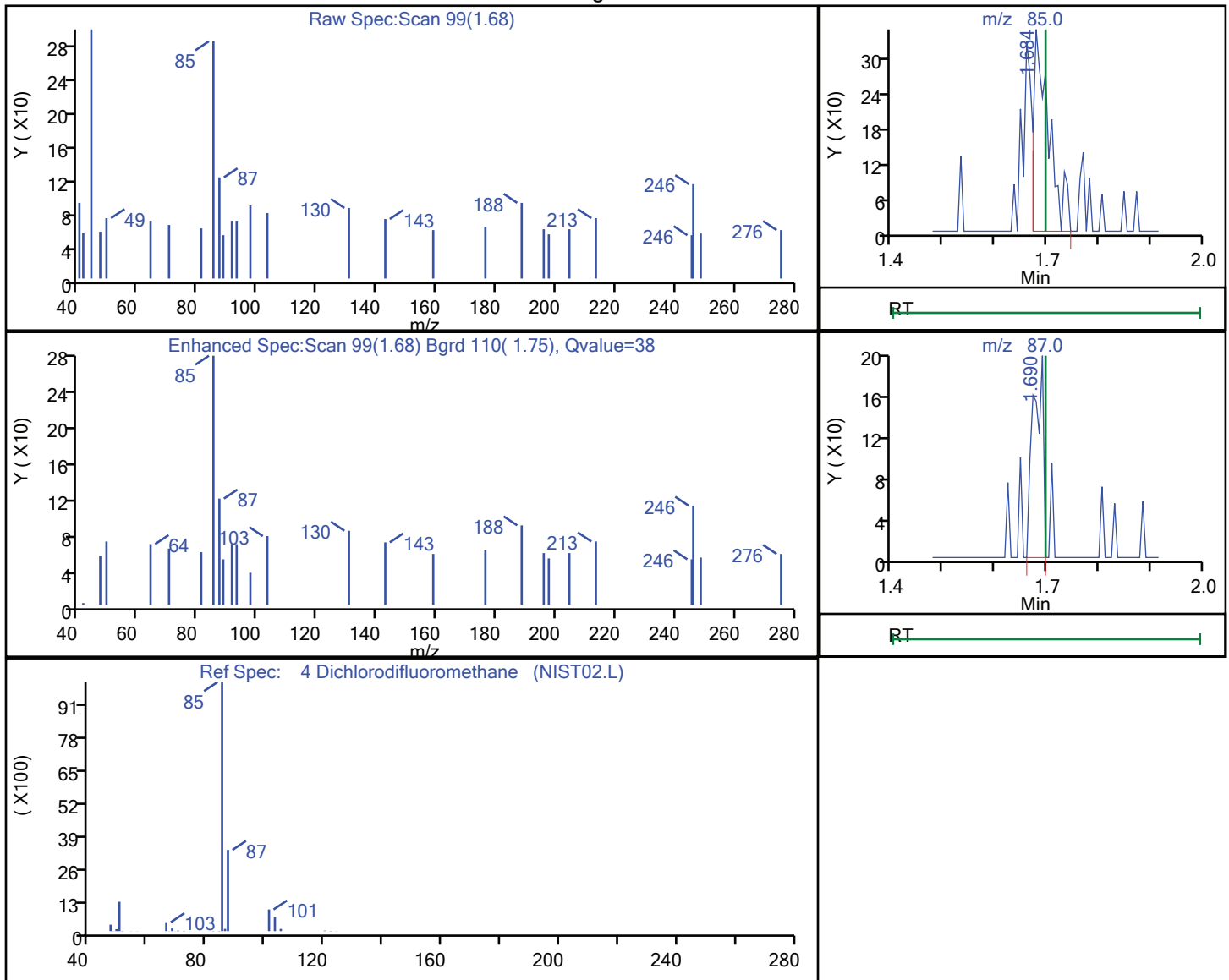
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.68	85.00	711	0.250000
1.69	87.00	261	

Reviewer: boykink, 11-Jun-2020 02:38:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

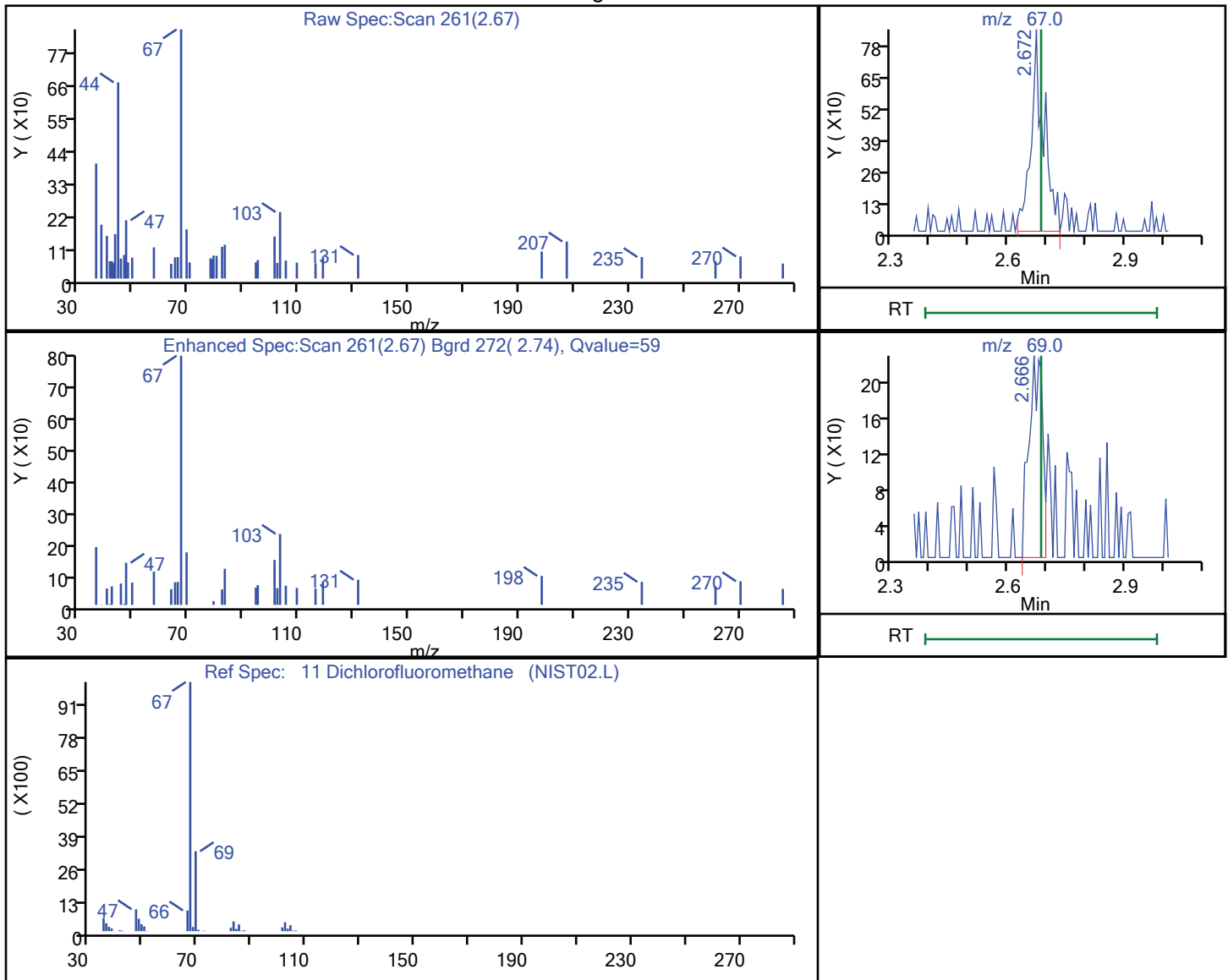
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

11 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
2.67	67.00	1960	0.250000
2.67	69.00	562	

Reviewer: boykink, 11-Jun-2020 02:39:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

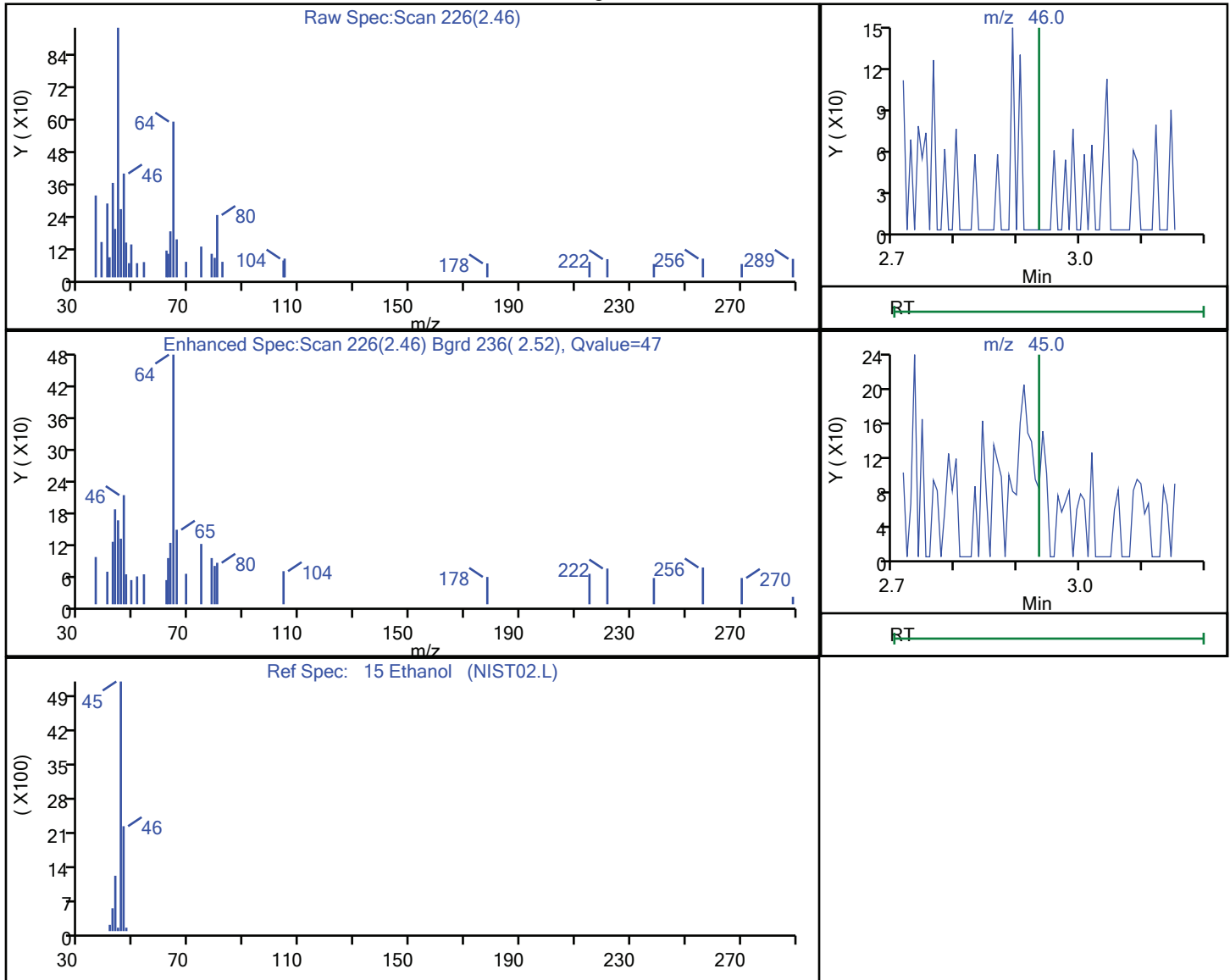
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

15 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
2.46	46.00	779	5.112007
2.46	45.00	272	

Reviewer: boykink, 11-Jun-2020 03:21:45

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

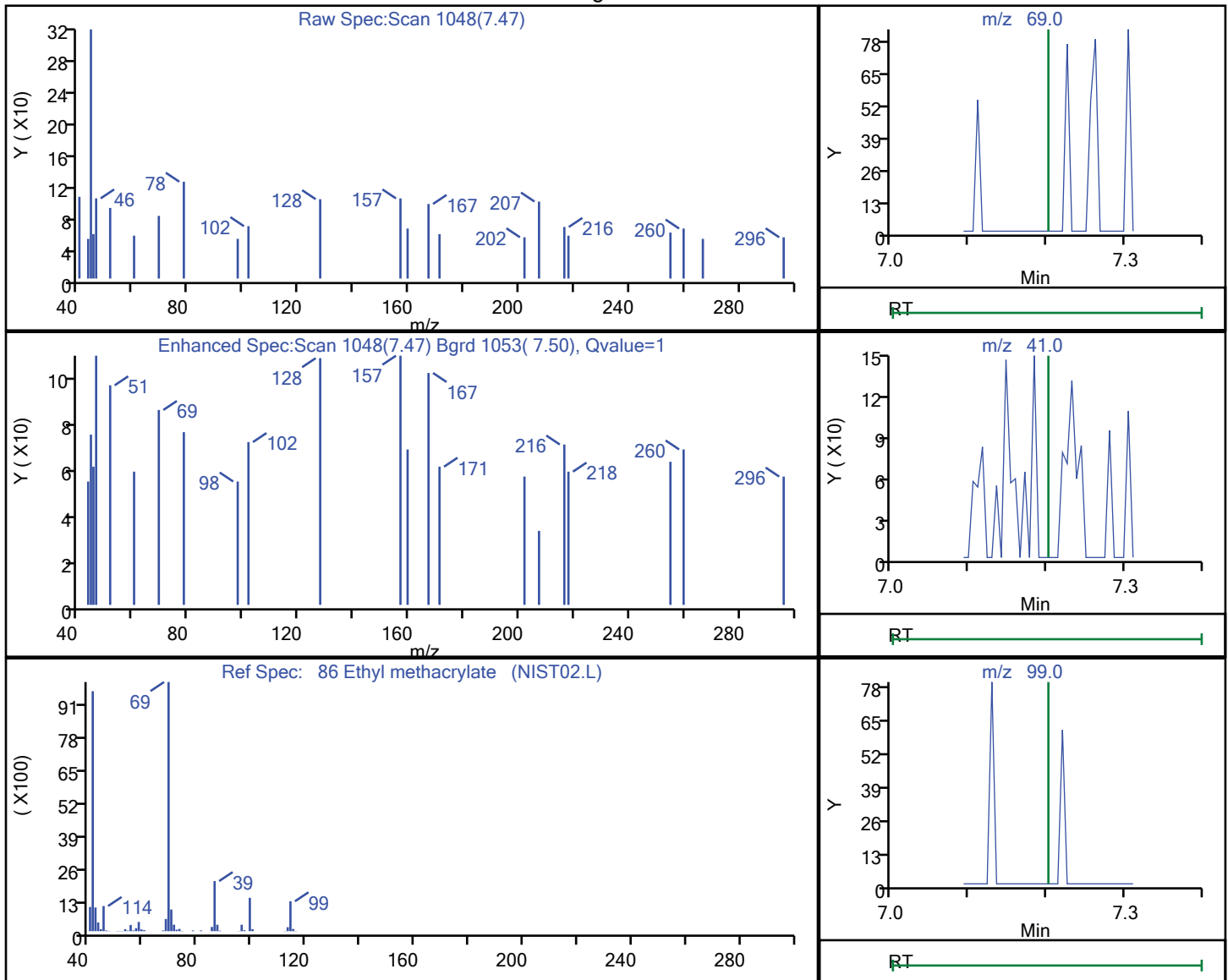
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

86 Ethyl methacrylate, CAS: 97-63-2

Processing Results



RT	Mass	Response	Amount
7.47	69.00	49	0.021337
7.48	41.00	52	
7.46	99.00	40	

Reviewer: boykink, 11-Jun-2020 03:22:19

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

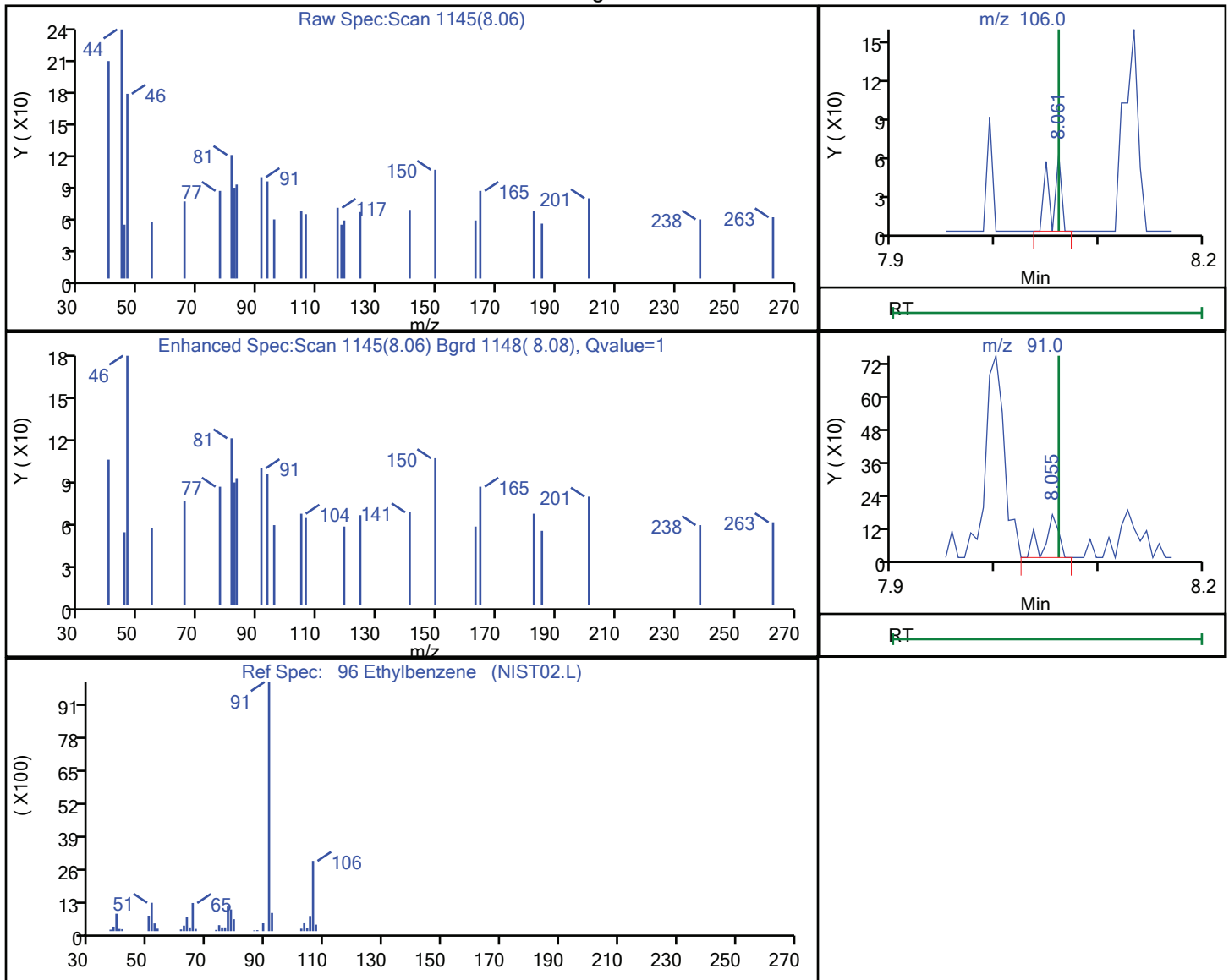
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

96 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
8.06	106.00	42	0.008628
8.05	91.00	150	

Reviewer: boykink, 11-Jun-2020 03:22:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

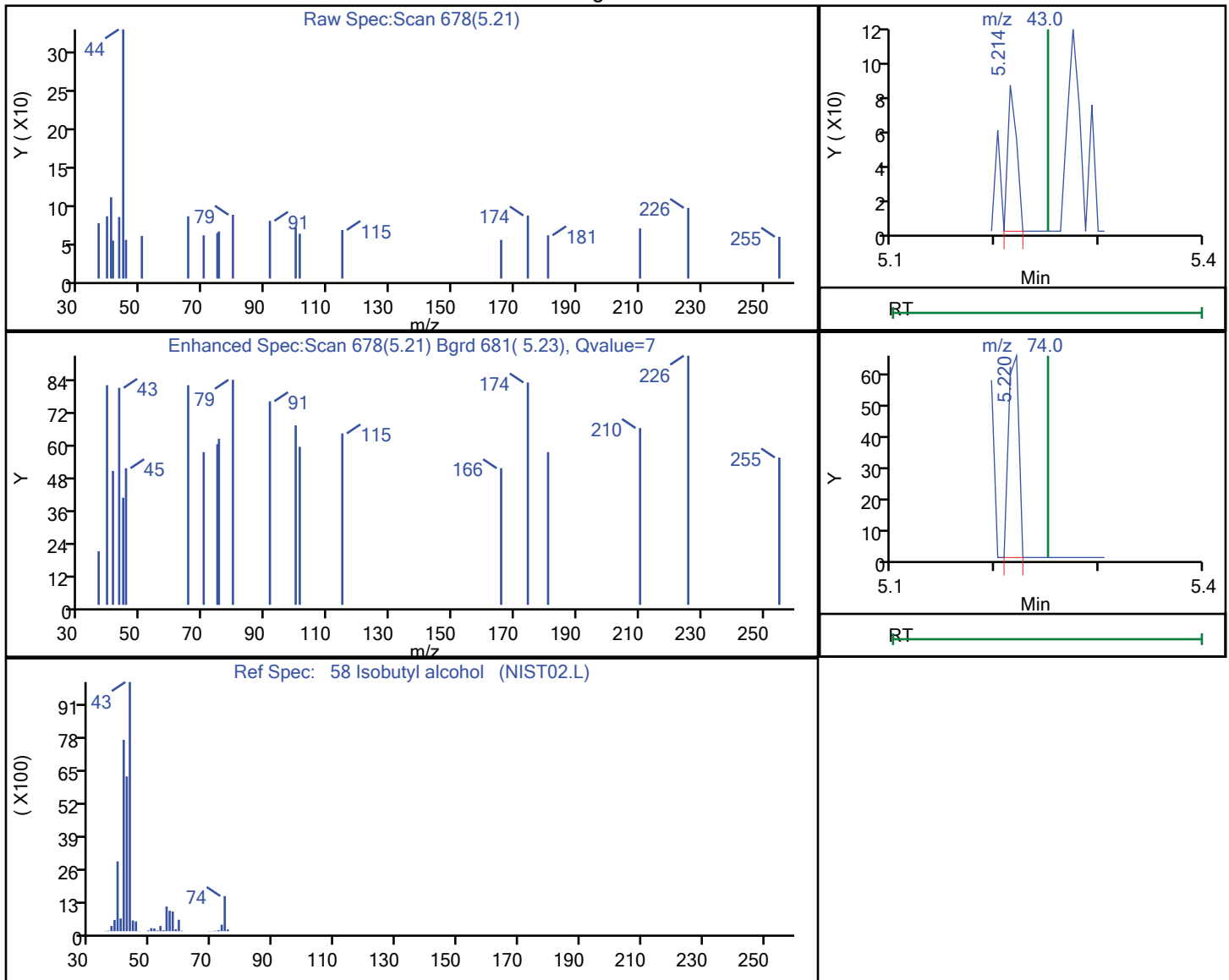
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

58 Isobutyl alcohol, CAS: 78-83-1

Processing Results



RT	Mass	Response	Amount
5.21	43.00	48	0.767191
5.22	74.00	46	

Reviewer: boykink, 11-Jun-2020 03:22:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

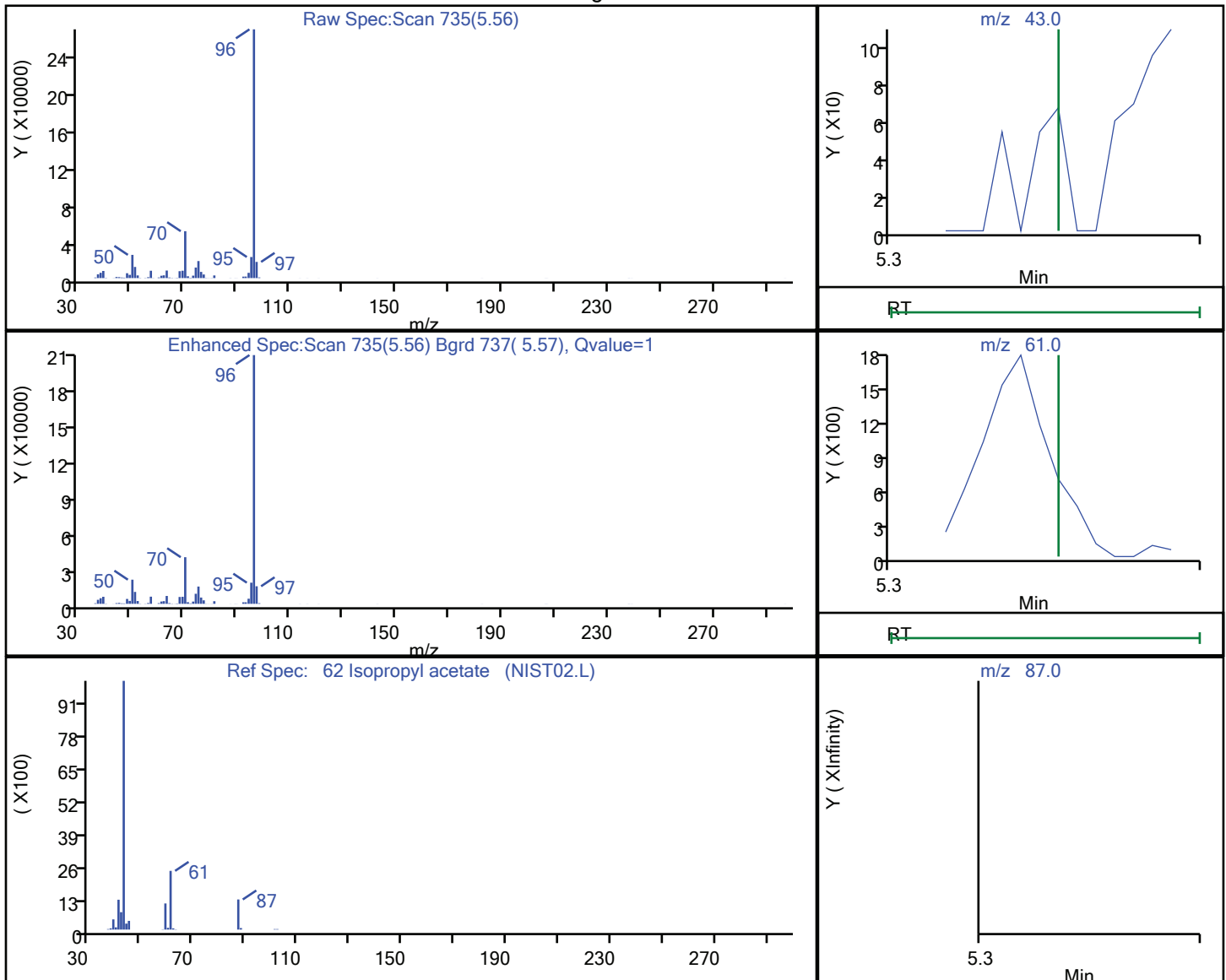
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

62 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
5.56	43.00	83	0.011619
5.56	61.00	7215	
5.56	87.00	98	

Reviewer: boykink, 11-Jun-2020 03:22:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

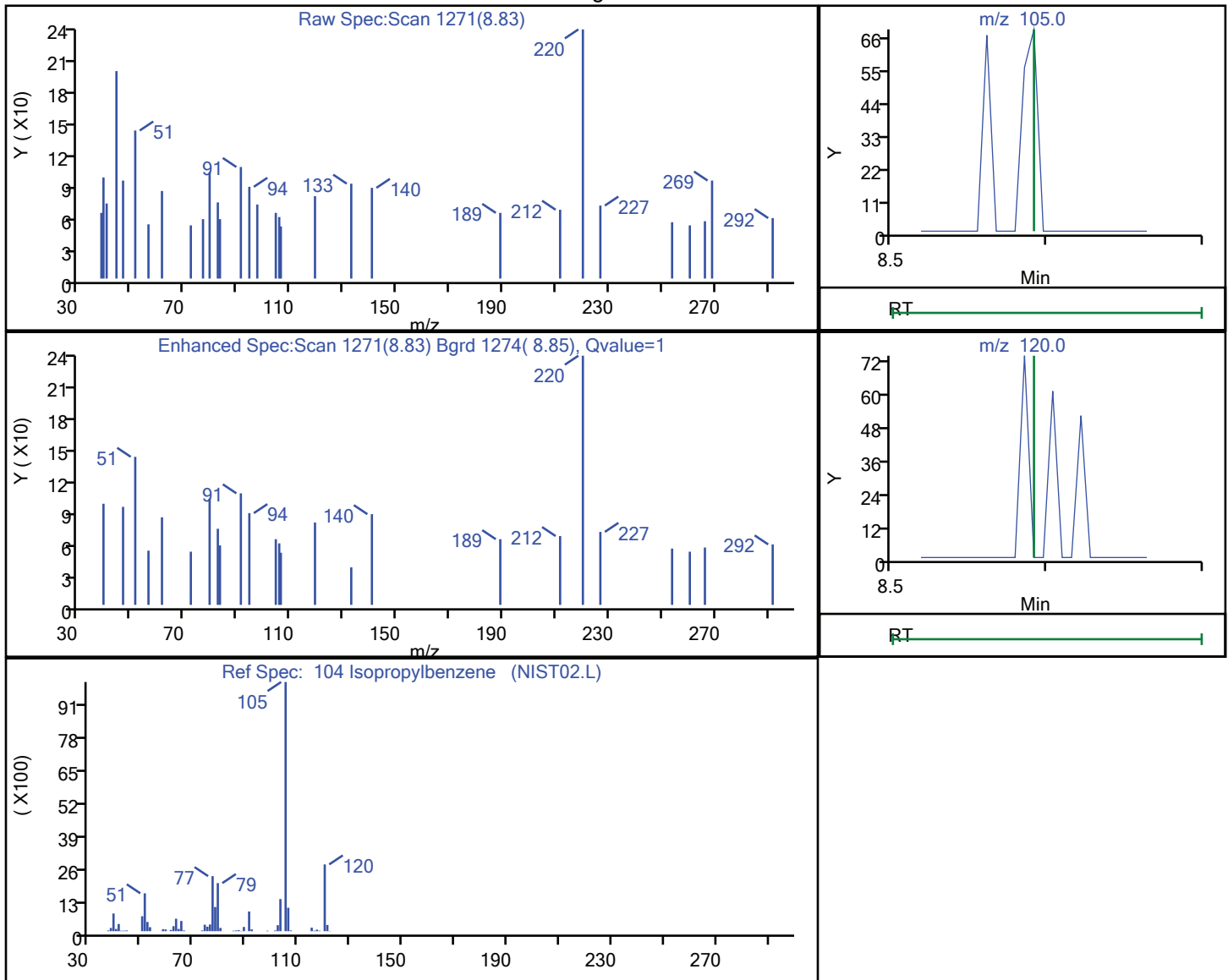
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

104 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
8.83	105.00	22	0.757436
8.84	120.00	22	

Reviewer: boykink, 11-Jun-2020 03:22:28

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

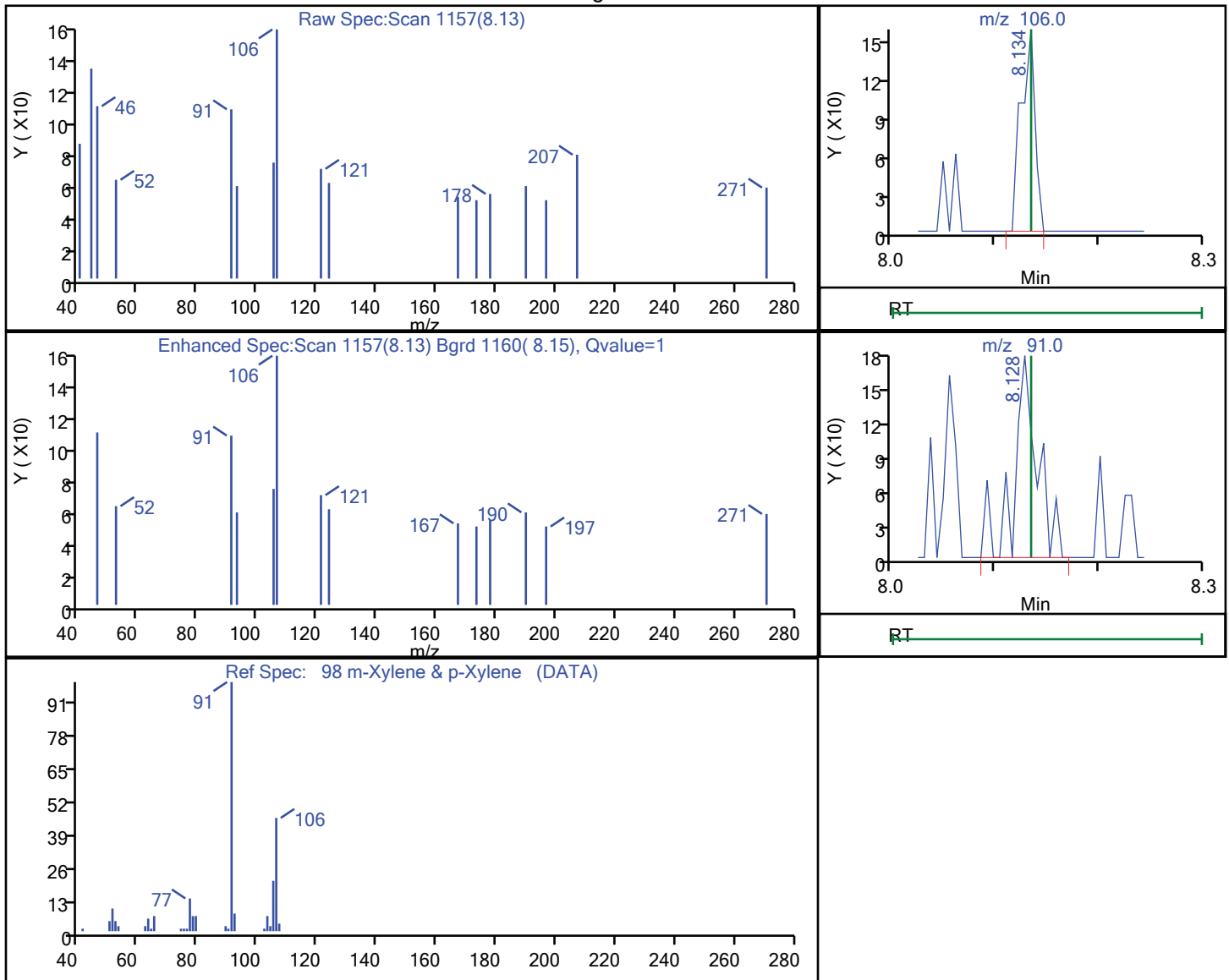
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

98 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
8.13	106.00	150	0.025447
8.13	91.00	275	

Reviewer: boykink, 11-Jun-2020 03:22:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

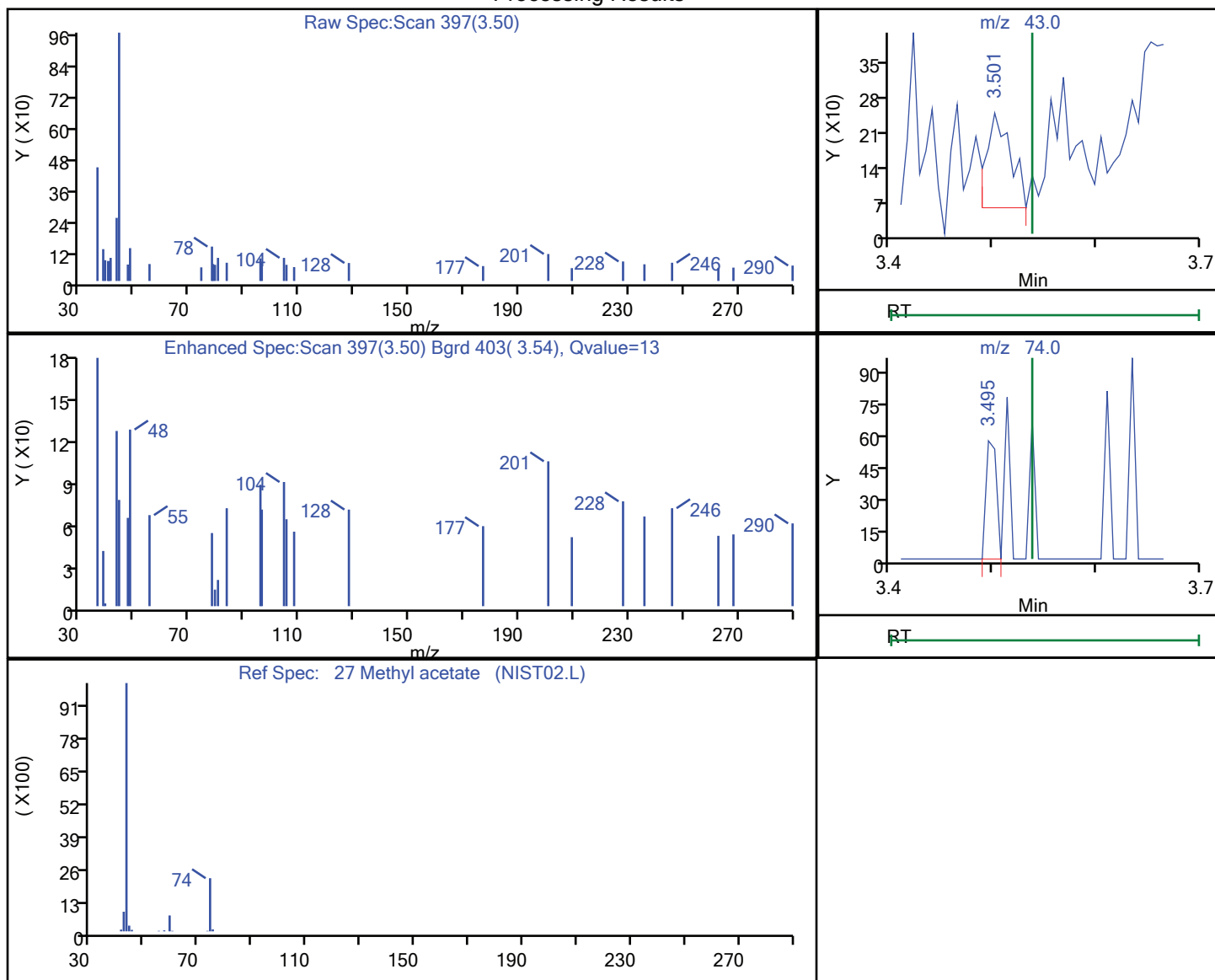
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

27 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
3.50	43.00	313	0.119596
3.49	74.00	40	

Reviewer: boykink, 11-Jun-2020 03:21:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

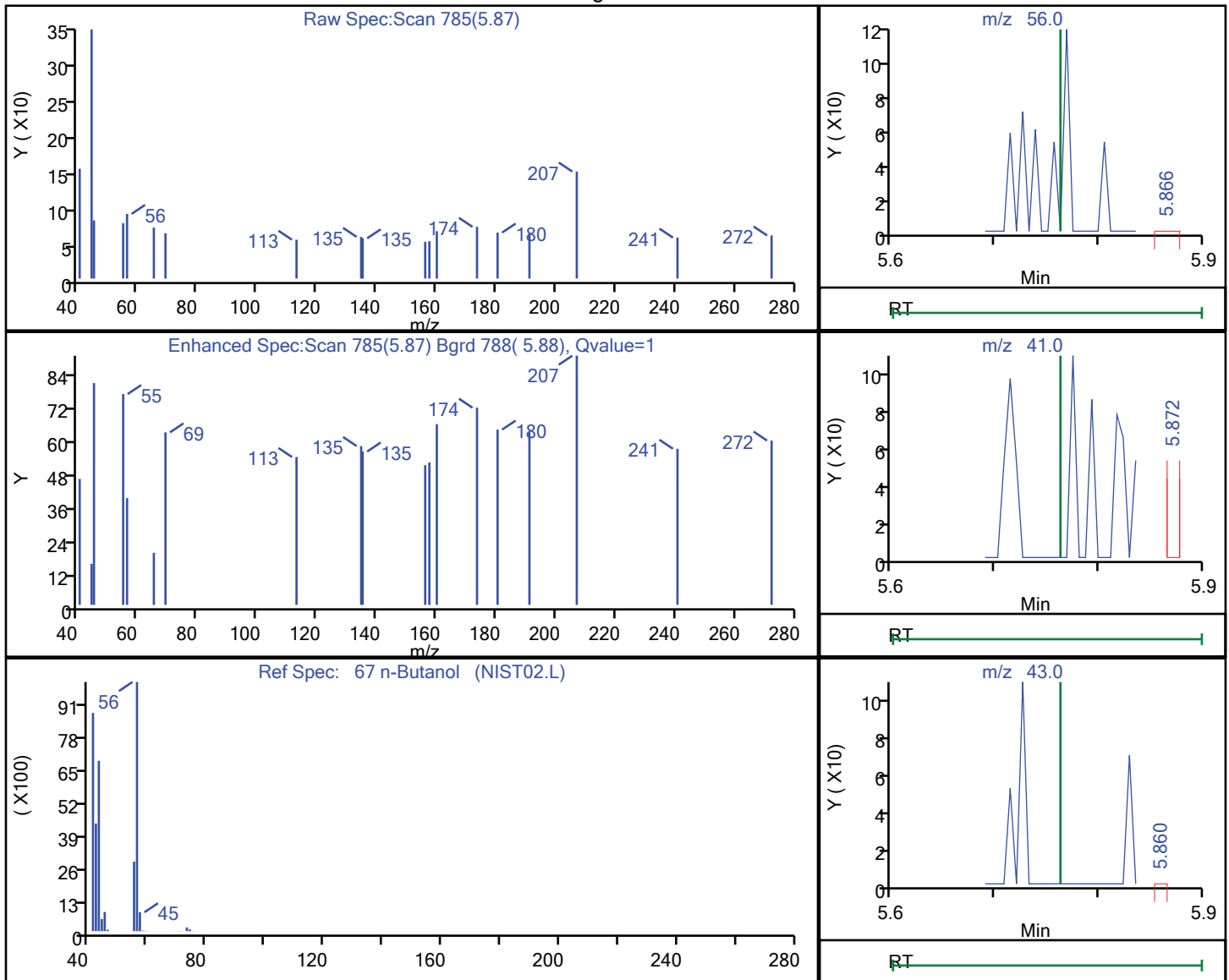
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
5.87	56.00	33	1.309920
5.87	41.00	22	
5.86	43.00	91	

Reviewer: boykink, 11-Jun-2020 03:22:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

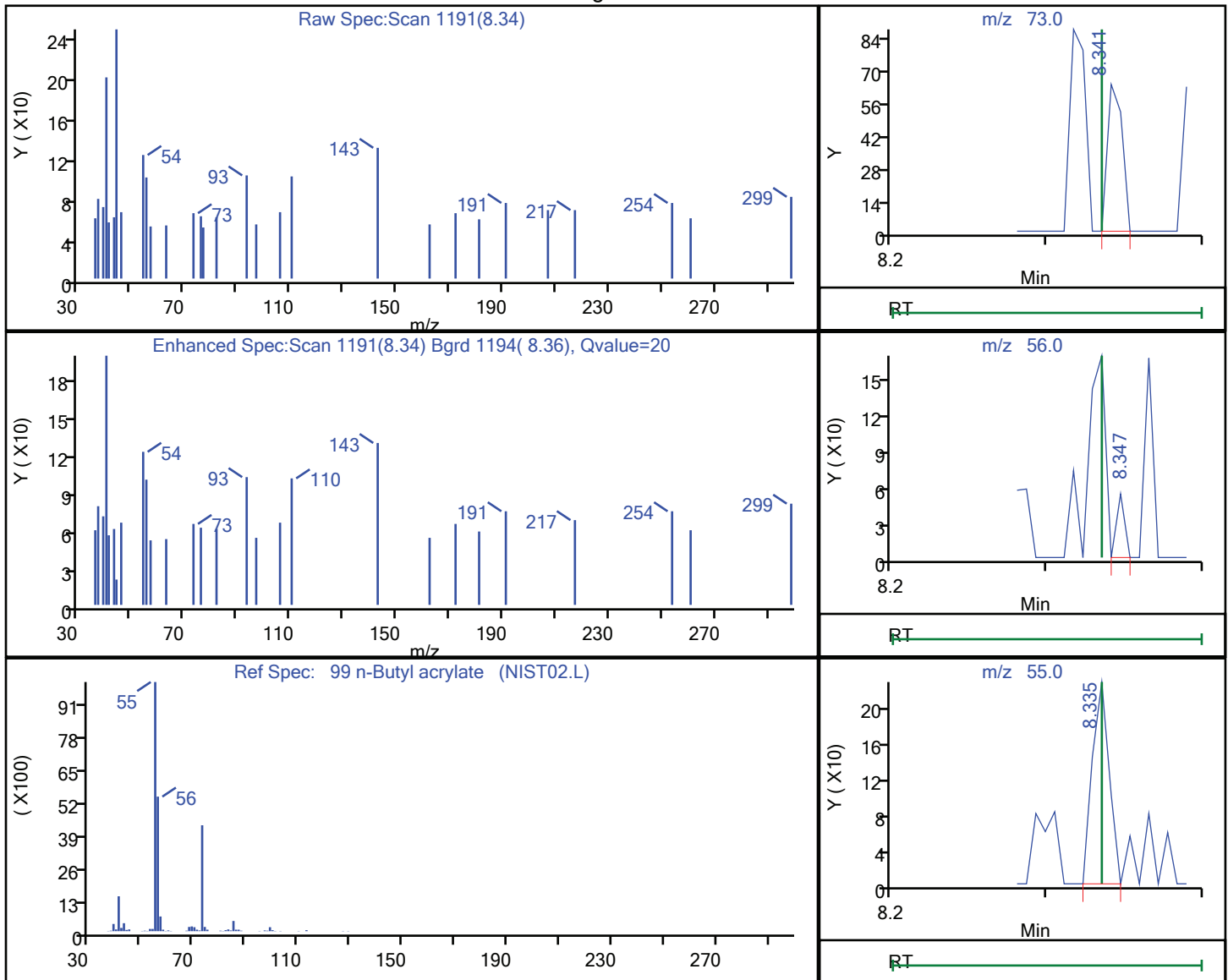
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

99 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
8.34	73.00	42	0.040798
8.35	56.00	19	
8.34	55.00	170	

Reviewer: boykink, 11-Jun-2020 03:22:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

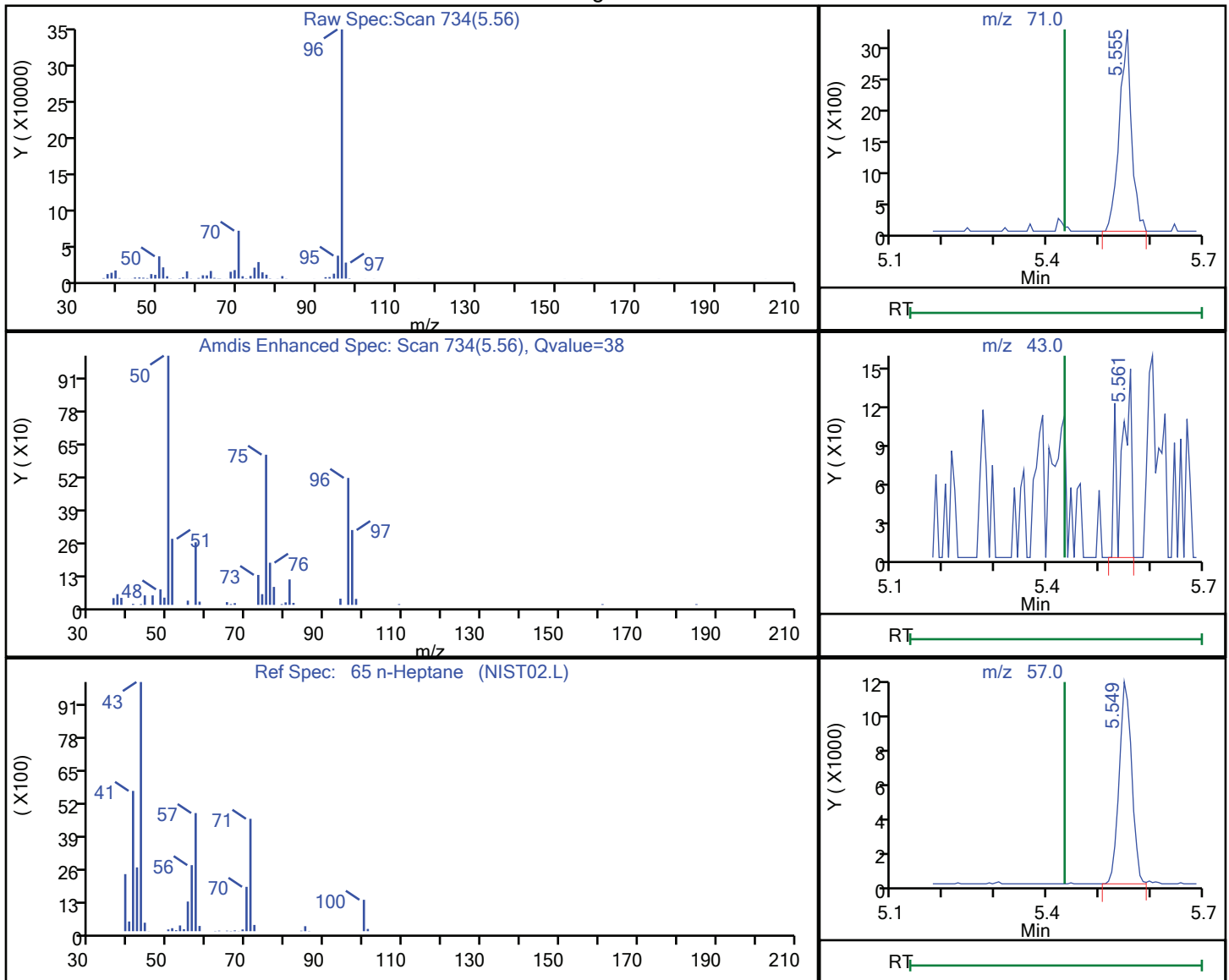
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

65 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.56	71.00	5348	1.170276
5.56	43.00	193	
5.55	57.00	18759	

Reviewer: boykink, 11-Jun-2020 03:22:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

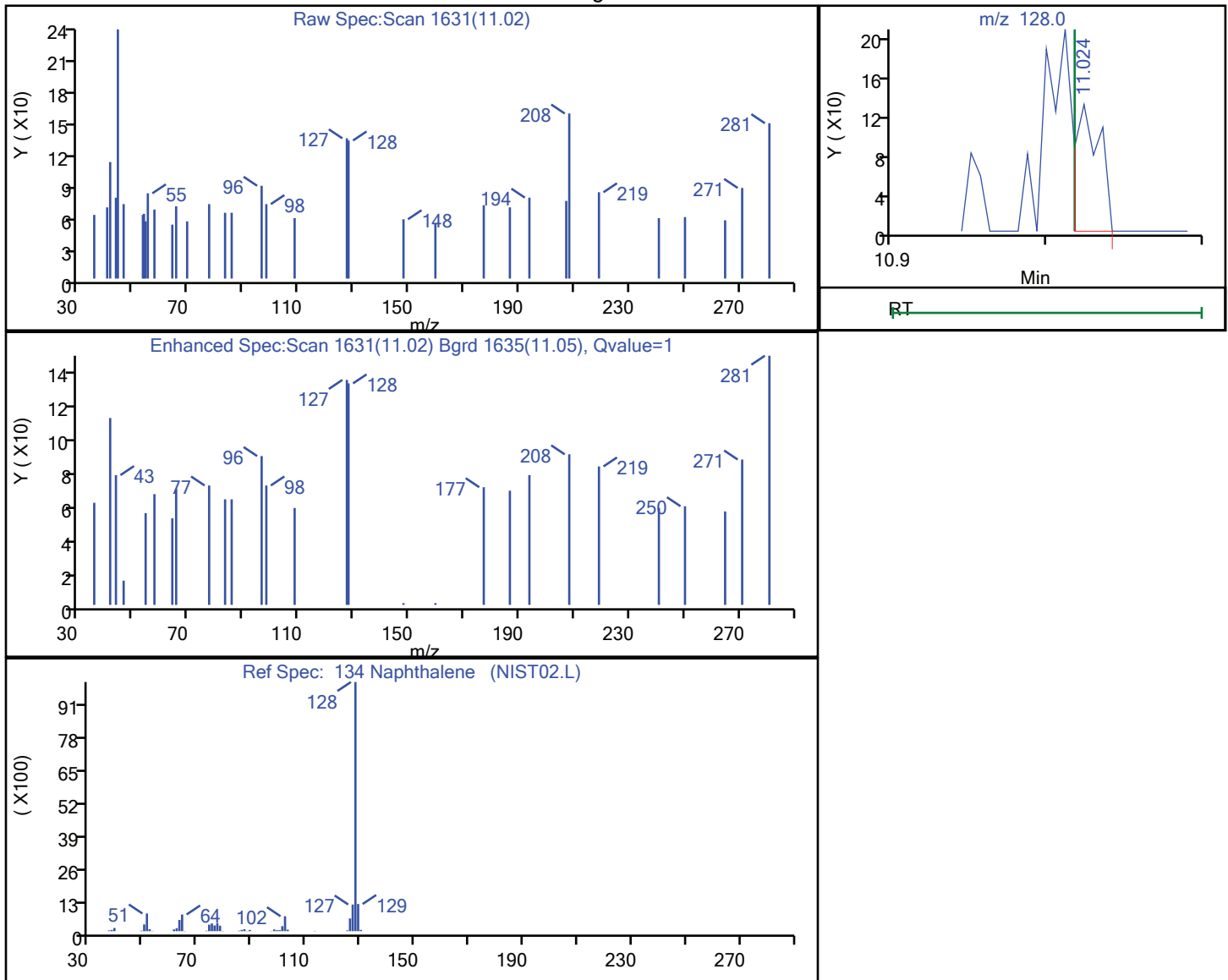
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

134 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
11.02	128.00	144	0.018538

Reviewer: boykink, 11-Jun-2020 03:22:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

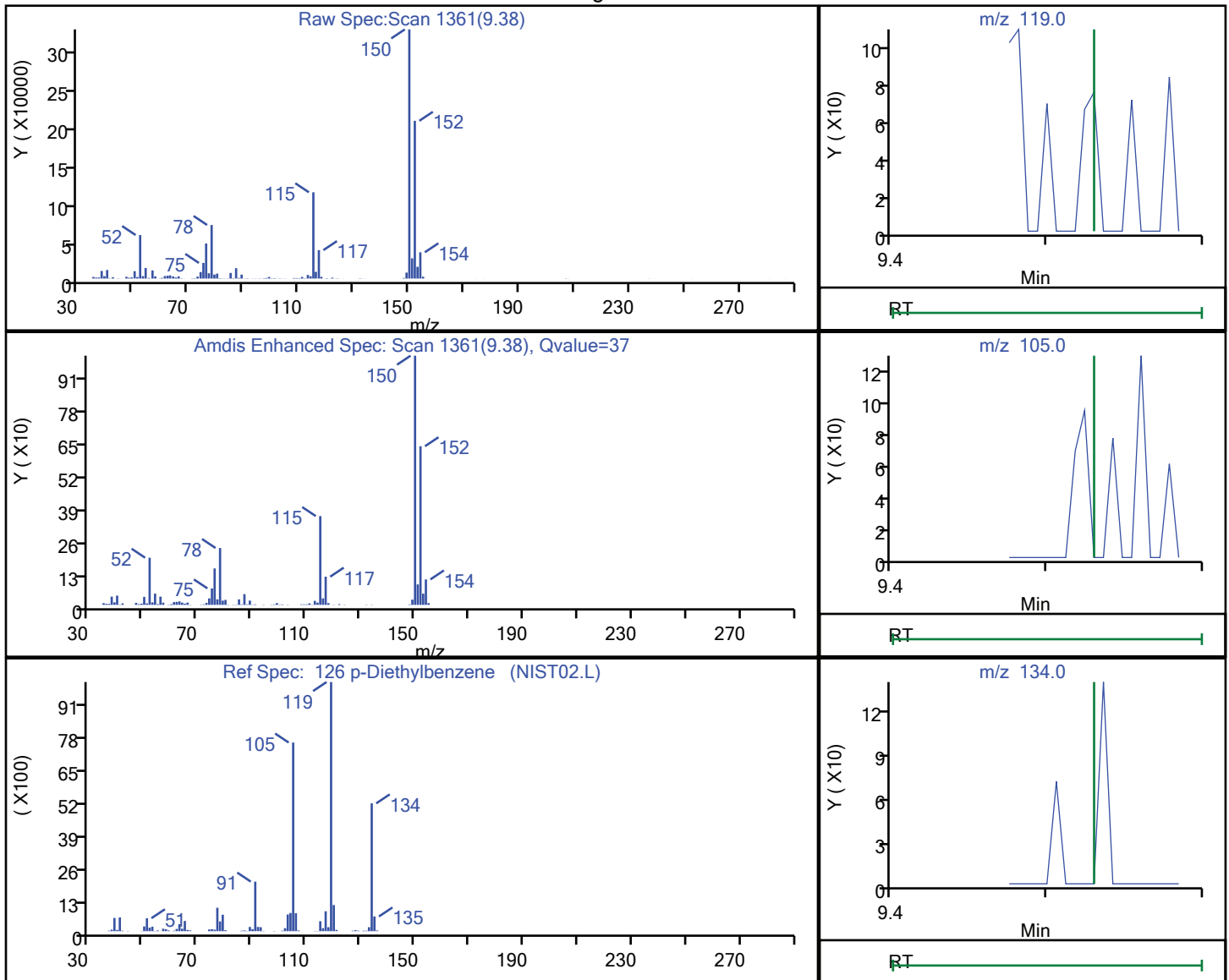
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

126 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
9.38	119.00	83	0.009197
9.38	105.00	80	
9.37	134.00	180	

Reviewer: boykink, 11-Jun-2020 03:22:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

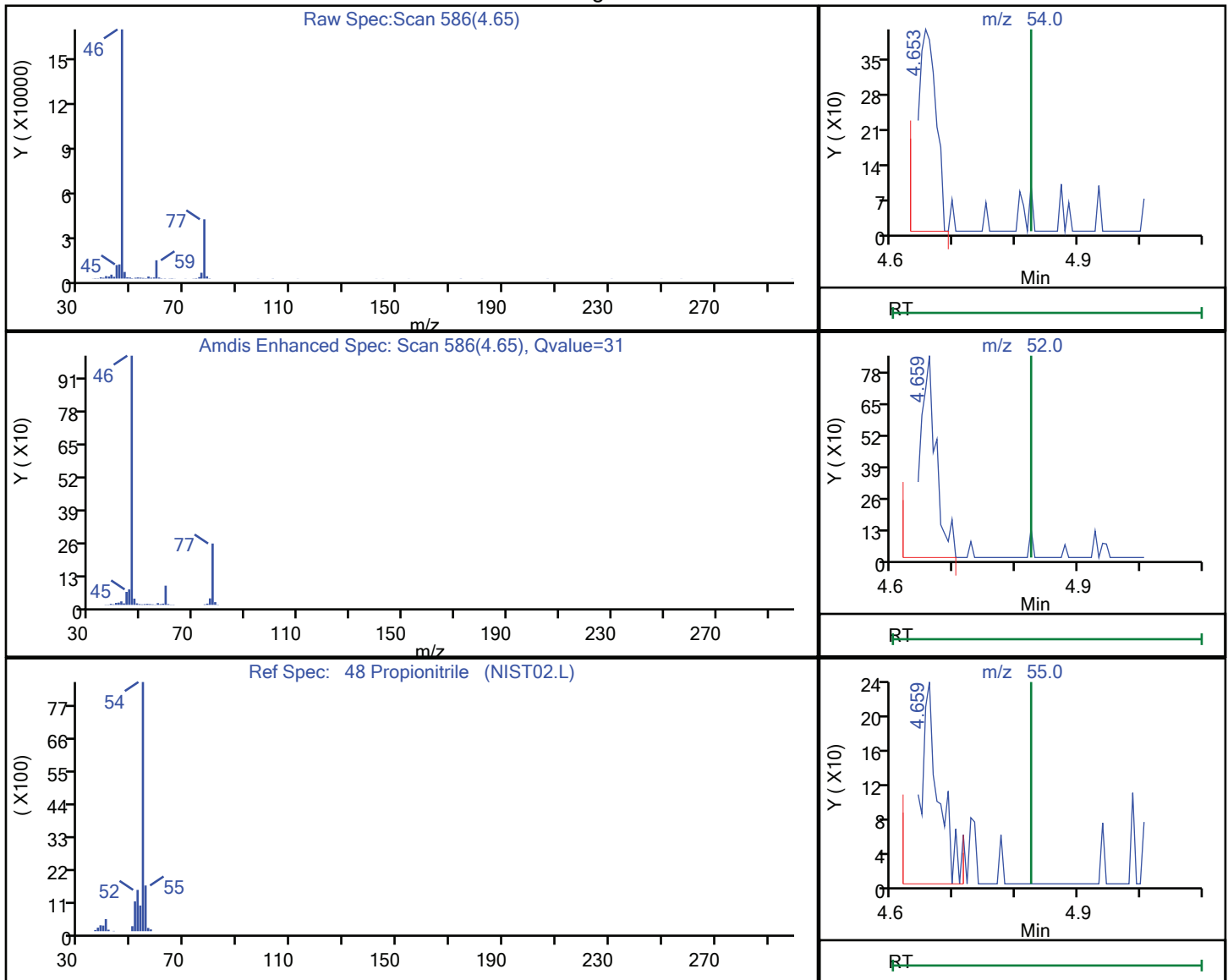
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.65	54.00	790	1.351237
4.66	52.00	1518	
4.66	55.00	476	

Reviewer: boykink, 11-Jun-2020 03:22:03

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

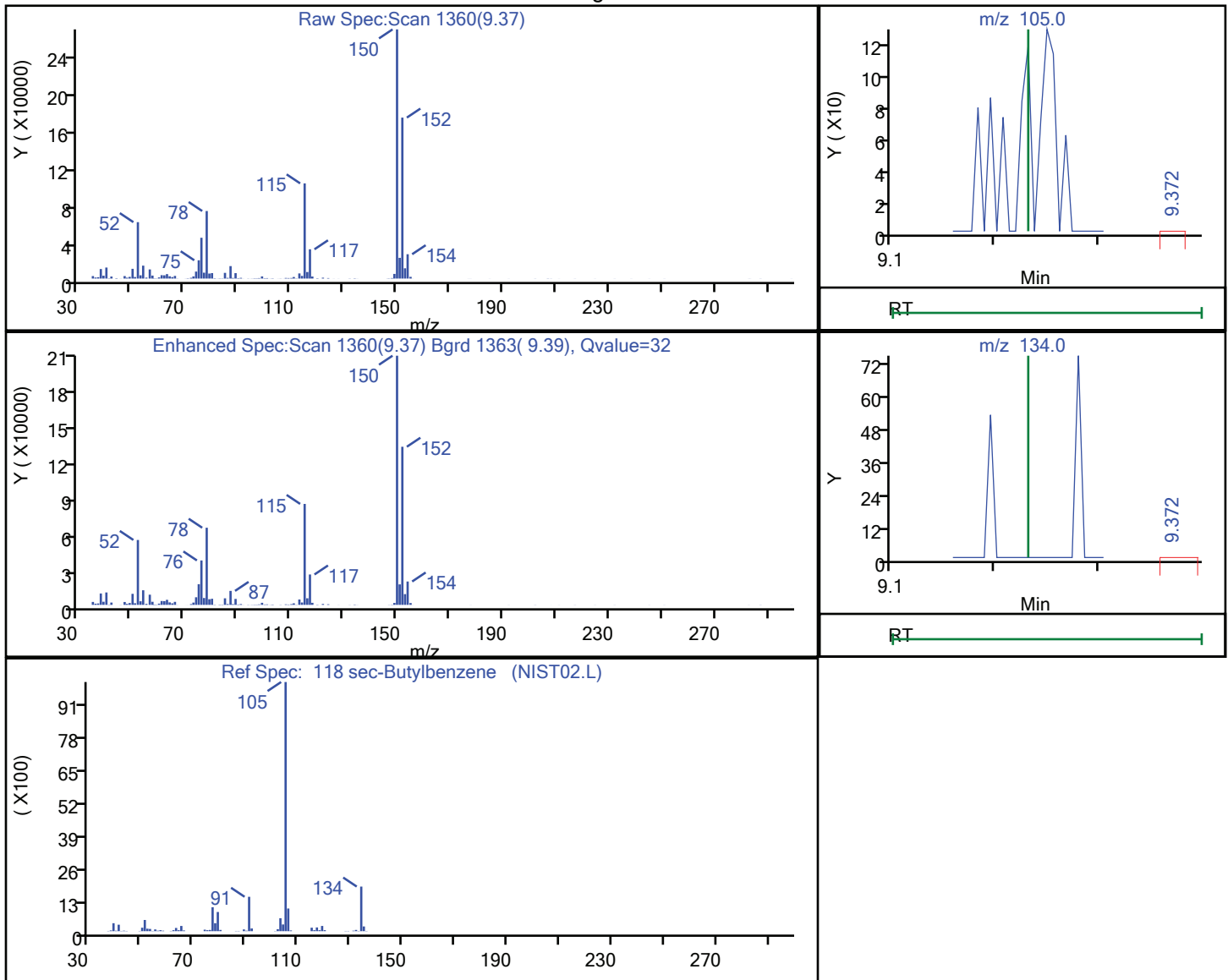
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

118 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
9.37	105.00	80	0.004754
9.37	134.00	180	

Reviewer: boykink, 11-Jun-2020 03:22:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

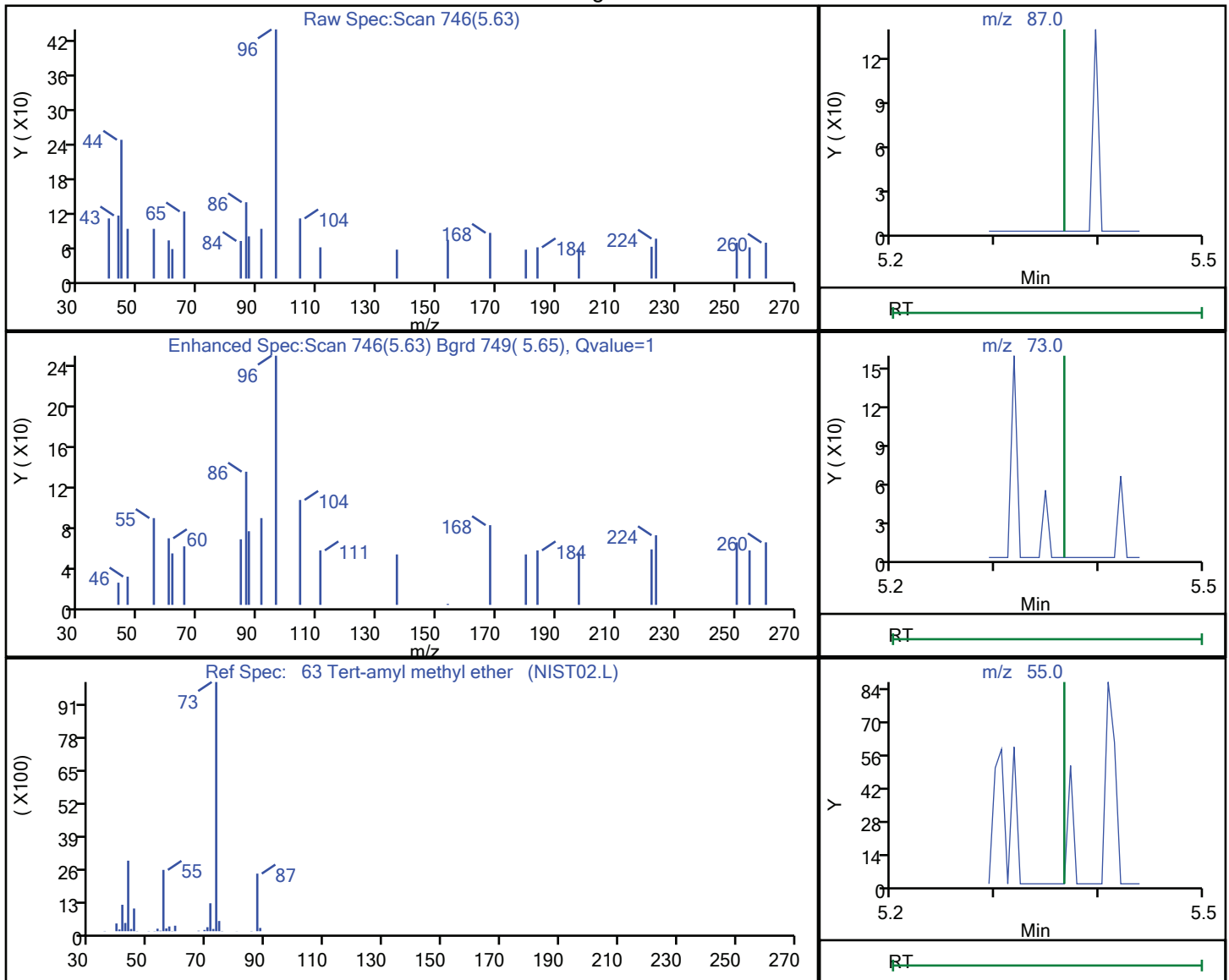
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

63 Tert-amyl methyl ether, CAS: 994-05-8

Processing Results



RT	Mass	Response	Amount
5.63	87.00	45	0.017183
5.62	73.00	48	
5.63	55.00	105	

Reviewer: boykink, 11-Jun-2020 03:22:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

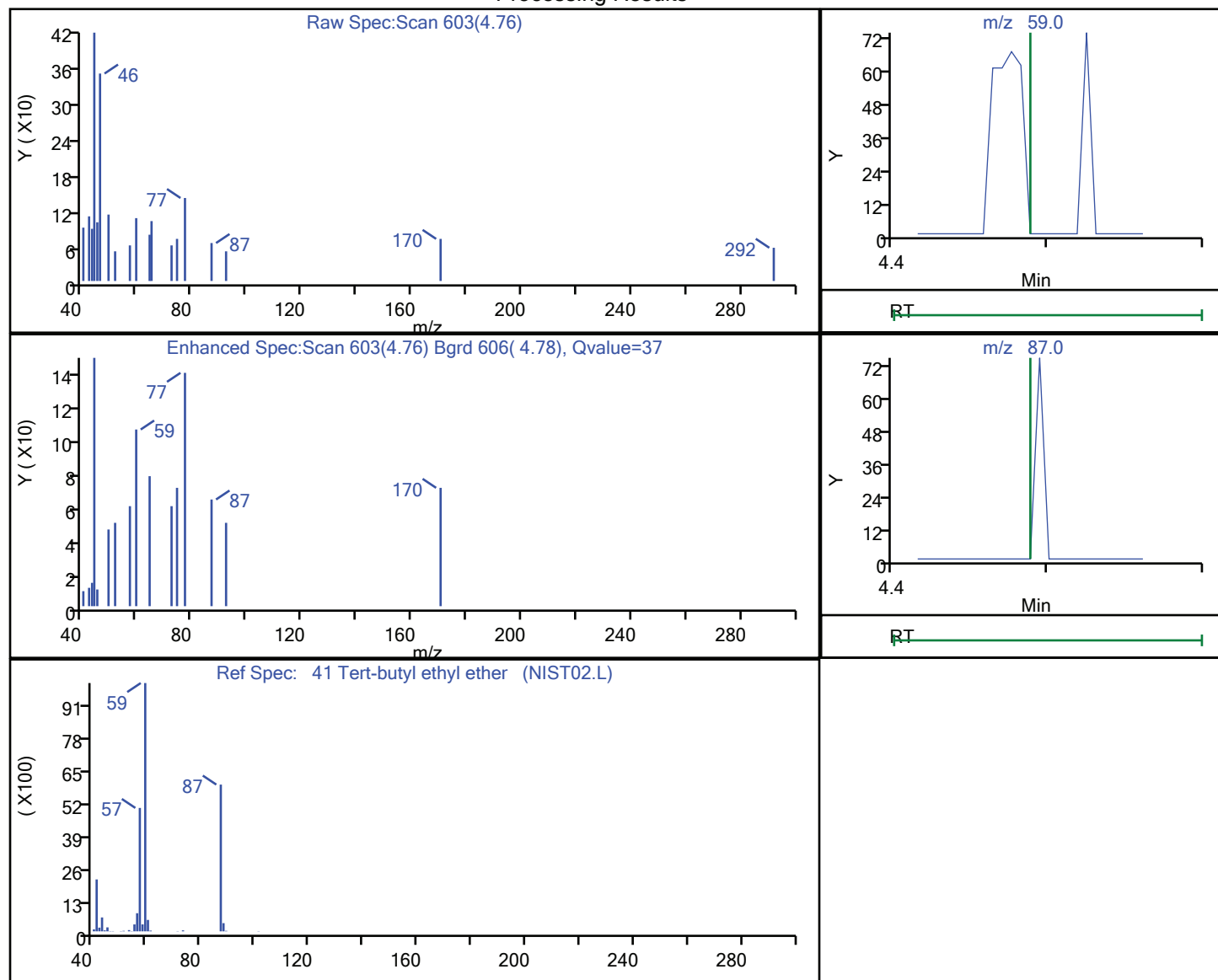
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

41 Tert-butyl ethyl ether, CAS: 637-92-3

Processing Results



RT	Mass	Response	Amount
4.76	59.00	39	0.004192
4.74	87.00	49	

Reviewer: boykink, 11-Jun-2020 03:21:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

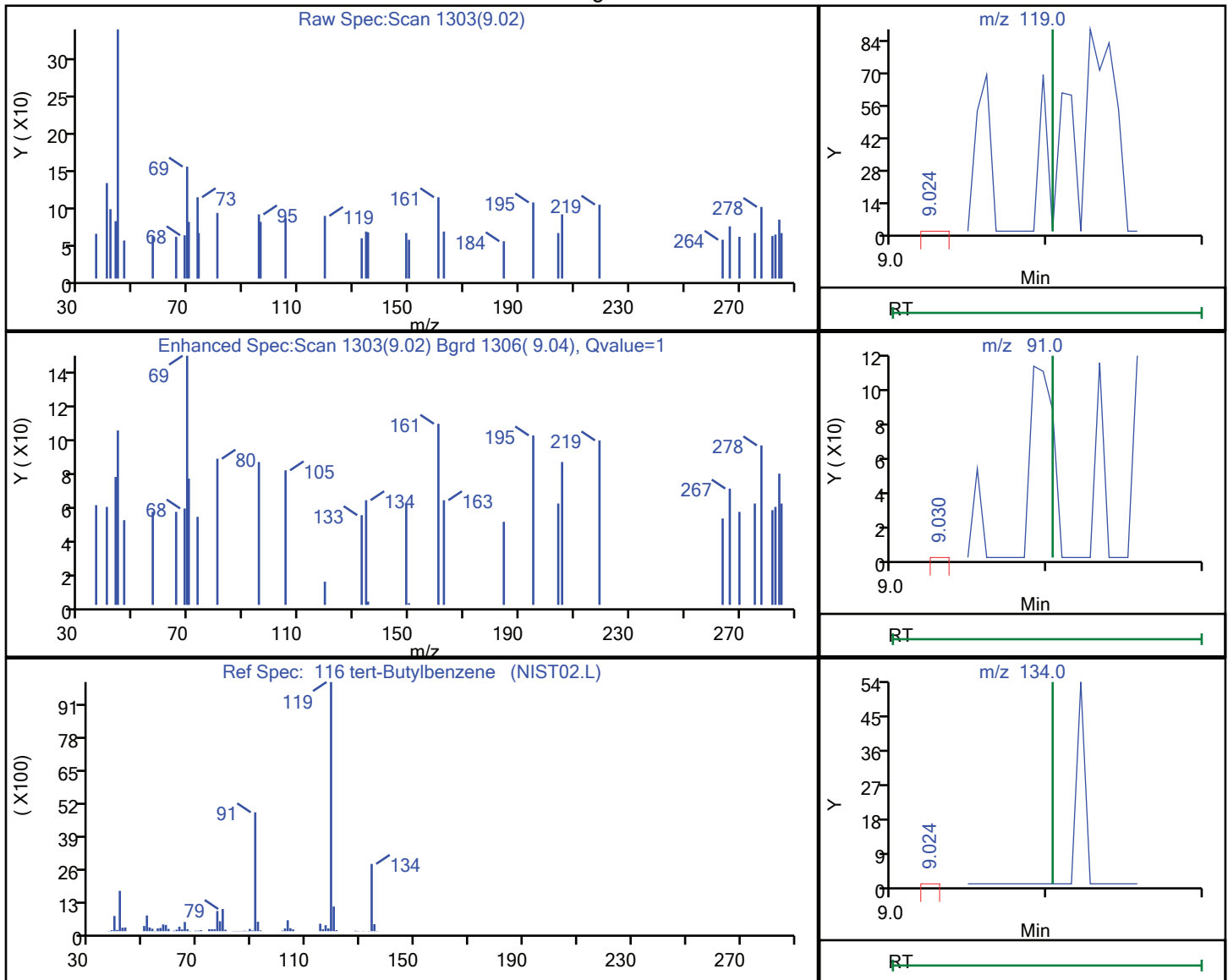
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

116 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
9.02	119.00	56	0.005555
9.03	91.00	38	
9.02	134.00	23	

Reviewer: boykink, 11-Jun-2020 03:22:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

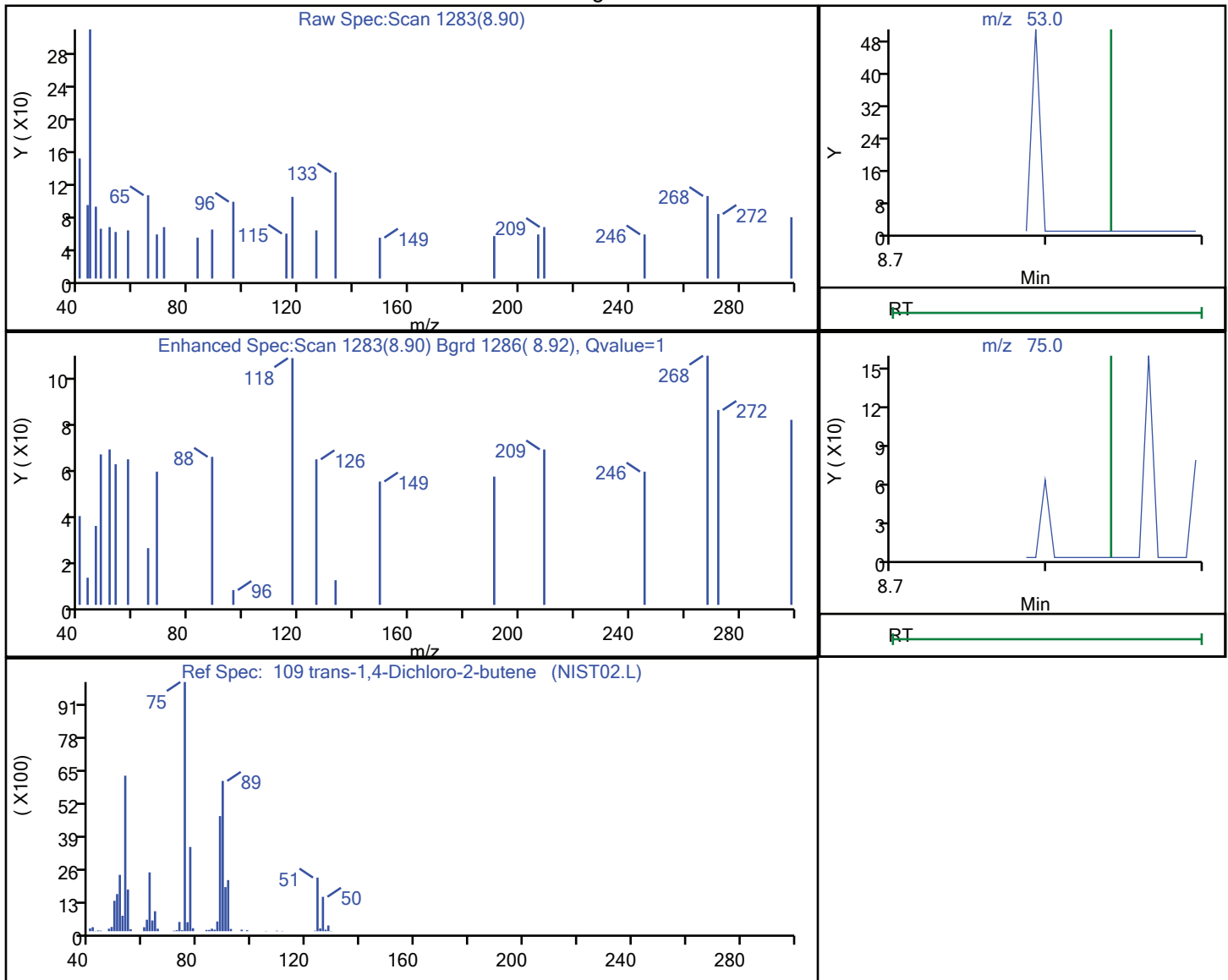
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

109 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Processing Results



RT	Mass	Response	Amount
8.90	53.00	41	0.045753
8.91	75.00	27	

Reviewer: boykink, 11-Jun-2020 03:22:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

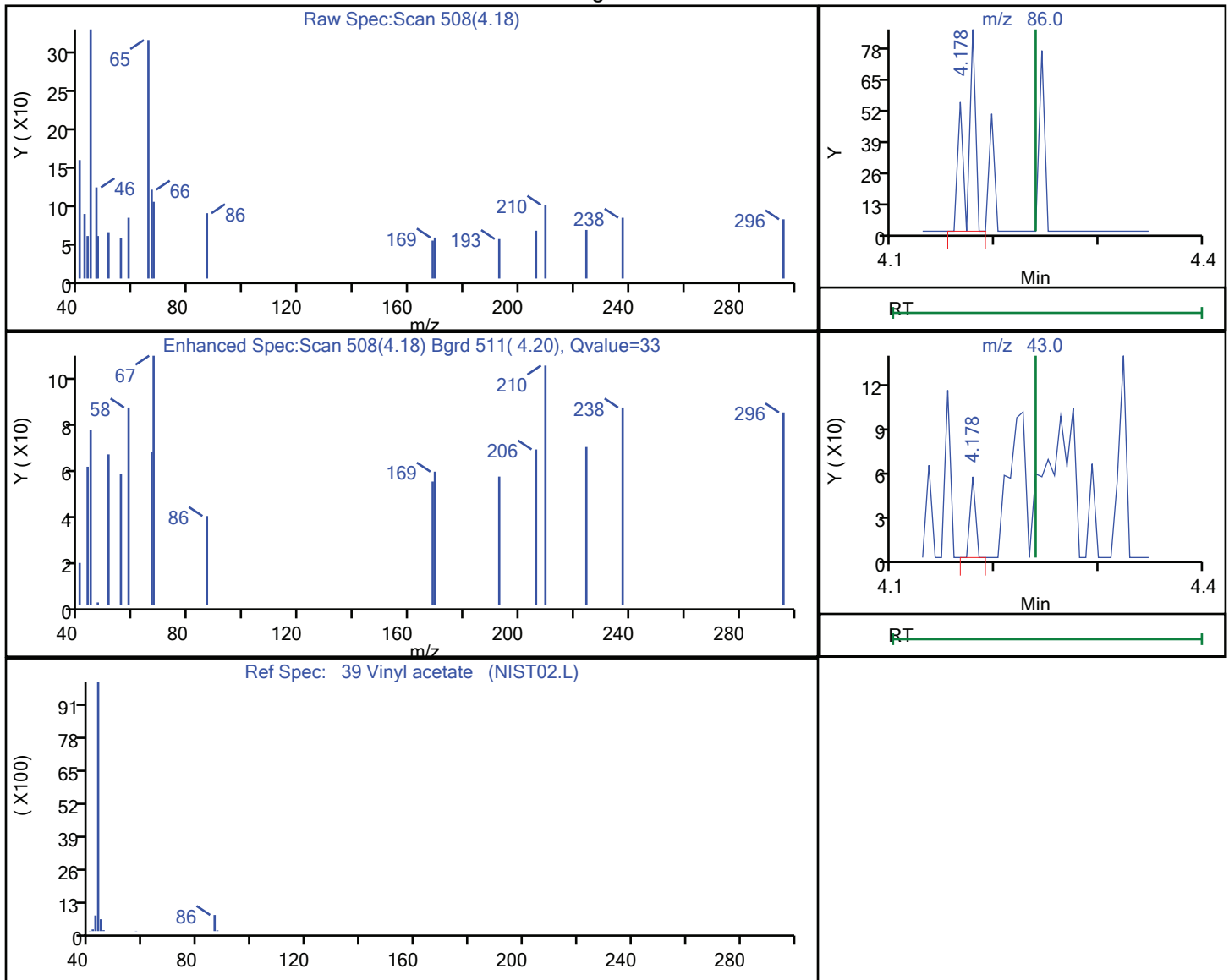
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
4.18	86.00	52	0.111172
4.18	43.00	20	

Reviewer: boykink, 11-Jun-2020 03:21:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date: 11-Jun-2020 02:04:30

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

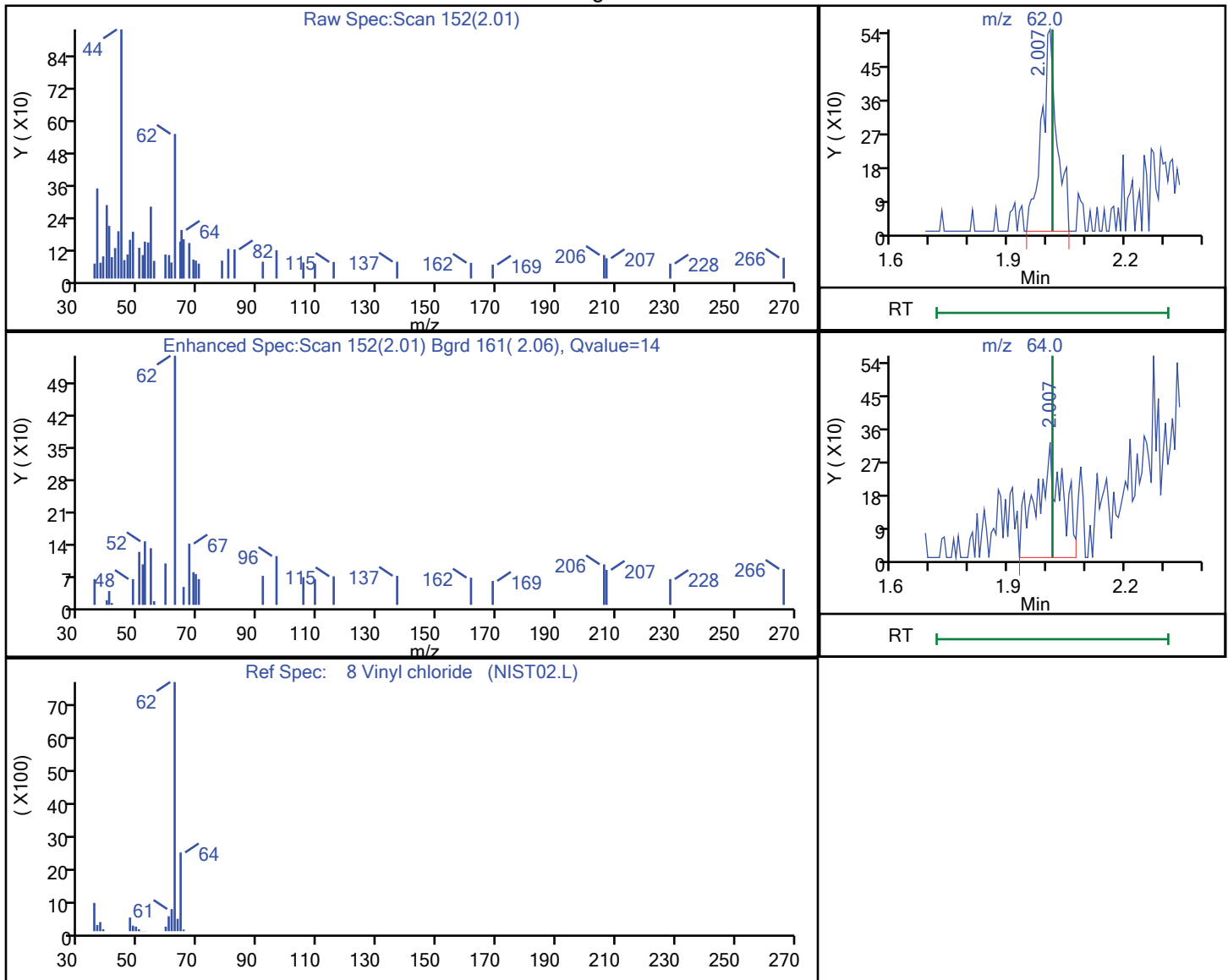
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

8 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
2.01	62.00	1479	0.250000
2.01	64.00	1447	

Reviewer: boykink, 11-Jun-2020 02:38:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Jun-2020 02:28:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0111447-004
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Jun-2020 18:46:00 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: boykink

Date: 11-Jun-2020 02:55:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.635	1.654	-0.019	65	1731	1.00	1.08	M
3 1,1-Difluoroethane	51	1.654	1.660	-0.006	77	4513	1.00	1.19	M
4 Dichlorodifluoromethane	85	1.696	1.696	0.000	62	4757	1.00	0.9077	a
5 Chlorodifluoromethane	51	1.715	1.715	0.000	63	5266	1.00	1.12	
6 Chloromethane	50	1.910	1.904	0.006	98	6949	1.00	1.11	
8 Vinyl chloride	62	2.013	2.013	0.000	97	7169	1.00	1.19	
7 Butadiene	39	2.038	2.026	0.012	77	5333	1.00	1.07	a
9 Bromomethane	94	2.367	2.367	0.000	90	5159	1.00	1.25	
10 Chloroethane	64	2.465	2.458	0.006	72	3868	1.00	1.15	M
11 Dichlorofluoromethane	67	2.684	2.684	0.000	90	8977	1.00	1.21	
12 Trichlorofluoromethane	101	2.708	2.702	0.006	65	5947	1.00	1.08	M
13 Pentane	72	2.714	2.714	0.000	98	1467	2.00	2.19	
15 Ethanol	46	2.952	2.934	0.018	79	1107	40.0	50.5	
14 Ethyl ether	59	2.946	2.946	0.000	87	3765	1.00	1.27	
16 2-Methyl-1,3-butadiene	53	2.964	2.971	-0.007	93	4088	1.00	1.20	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	3.007	3.013	-0.006	70	3238	1.00	0.9620	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	3.086	3.080	0.006	42	6472	1.00	1.14	a
19 Acrolein	56	3.147	3.135	0.012	53	837	4.00	5.57	M
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.153	3.160	-0.007	79	3758	1.00	0.99	
21 1,1-Dichloroethene	96	3.172	3.184	-0.012	90	3491	1.00	0.9756	a
22 Acetone	58	3.275	3.275	0.000	88	2691	5.00	6.62	
23 Iodomethane	142	3.348	3.355	-0.007	99	7326	1.00	1.12	
24 Carbon disulfide	76	3.391	3.385	0.006	99	15072	1.00	1.08	a
25 Isopropyl alcohol	45	3.391	3.385	0.006	33	3534	10.0	18.4	a
26 3-Chloro-1-propene	76	3.525	3.525	0.000	97	3211	1.00	1.26	
27 Methyl acetate	43	3.537	3.537	0.000	83	5836	2.00	2.36	
28 Cyclopentene	67	3.537	3.544	-0.007	94	10803	1.00	1.14	
29 Acetonitrile	41	3.592	3.598	-0.006	91	5528	10.0	12.5	
* 31 TBA-d9 (IS)	65	3.665	3.659	0.006	36	282805	1000.0	1000.0	
30 Methylene Chloride	84	3.659	3.659	0.000	33	5151	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
32 2-Methyl-2-propanol	59	3.720	3.733	-0.013	30	3687	10.0	13.6	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	96	9621	1.00	1.17	
34 trans-1,2-Dichloroethene	96	3.848	3.842	0.006	93	4481	1.00	1.20	
35 Acrylonitrile	53	3.915	3.915	0.000	94	16059	10.0	11.7	
36 Hexane	43	3.995	3.995	0.000	89	2840	1.00	0.9785	
37 Isopropyl ether	45	4.196	4.196	0.000	97	12999	1.00	1.19	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	97	7460	1.00	1.21	
39 Vinyl acetate	86	4.251	4.239	0.012	15	1027	2.00	2.18	a
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	88	3331	1.00	1.10	
41 Tert-butyl ethyl ether	59	4.476	4.489	-0.013	88	10405	1.00	1.20	
* 42 2-Butanone-d5	46	4.659	4.653	0.006	86	317467	250.0	250.0	
43 2,2-Dichloropropane	97	4.696	4.690	0.006	47	1003	1.00	1.17	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	77	4796	1.00	1.22	
45 Ethyl acetate	70	4.702	4.708	-0.006	91	844	2.00	2.75	
46 2-Butanone (MEK)	72	4.714	4.708	0.006	97	2083	5.00	5.36	
47 Methyl acrylate	55	4.757	4.751	0.006	96	2706	1.00	1.10	
48 Propionitrile	54	4.824	4.824	0.000	97	5713	10.0	11.9	
49 Chlorobromomethane	128	4.897	4.891	0.006	36	2259	1.00	1.22	
50 Tetrahydrofuran	72	4.897	4.891	0.006	36	984	2.00	2.26	
51 Methacrylonitrile	67	4.903	4.909	-0.006	92	15580	10.0	11.5	
52 Chloroform	83	4.927	4.927	0.000	98	6377	1.00	1.15	
53 Cyclohexane	56	5.043	5.043	0.000	31	6617	1.00	1.04	
\$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	97	139127	50.0	49.2	
55 1,1,1-Trichloroethane	97	5.062	5.055	0.007	36	4274	1.00	1.06	
56 Carbon tetrachloride	117	5.165	5.153	0.012	89	2600	1.00	1.02	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	97	5187	1.00	1.18	
58 Isobutyl alcohol	43	5.251	5.251	0.000	4	1859	25.0	30.7	
59 Isooctane	57	5.299	5.299	0.000	96	10483	1.00	0.9336	
60 Benzene	78	5.330	5.336	-0.006	96	15433	1.00	1.22	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	87	157779	50.0	48.8	
62 Isopropyl acetate	43	5.360	5.354	0.006	58	8134	1.00	1.02	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	91	2882	1.00	1.10	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	95	4392	1.00	1.13	
65 n-Heptane	71	5.427	5.433	-0.006	90	4490	1.00	1.09	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	607497	50.0	50.0	
67 n-Butanol	56	5.775	5.763	0.012	64	758	25.0	20.6	a
68 Trichloroethene	95	5.836	5.842	-0.006	97	4135	1.00	1.25	
70 Ethyl acrylate	55	5.915	5.915	0.000	1	3605	1.00	1.06	M
69 Methylcyclohexane	83	5.952	5.952	0.000	84	6454	1.00	1.05	
71 1,2-Dichloropropane	63	6.086	6.092	-0.006	70	3855	1.00	1.15	a
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	31	35783	1000.0	1000.0	
73 Methyl methacrylate	100	6.135	6.128	0.007	44	1303	2.00	1.87	
74 n-Propyl acetate	43	6.159	6.165	-0.006	97	3378	1.00	0.9696	
76 1,4-Dioxane	88	6.171	6.177	-0.006	39	2353	50.0	61.4	
75 Dibromomethane	93	6.202	6.202	0.000	92	2336	1.00	1.19	
77 Dichlorobromomethane	83	6.324	6.330	-0.006	98	2998	1.00	0.9509	
78 2-Chloroethyl vinyl ether	63	6.592	6.598	-0.006	98	2012	1.00	1.04	
79 2-Nitropropane	41	6.616	6.610	0.006	61	914	2.00	2.03	a
80 Epichlorohydrin	57	6.695	6.701	-0.006	99	5984	20.0	23.3	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	90	3822	1.00	1.01	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	96	14651	5.00	5.18	
\$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	100	520497	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.982	6.982	0.000	91	15657	1.00	1.25	
86 Ethyl methacrylate	69	7.201	7.201	0.000	82	2414	1.00	0.6698	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	89	2612	1.00	0.9500	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	91	2179	1.00	1.02	
88 Tetrachloroethene	166	7.384	7.390	-0.006	86	3427	1.00	1.17	
89 1,3-Dichloropropane	76	7.482	7.476	0.006	90	4807	1.00	1.09	
90 2-Hexanone	43	7.494	7.494	0.000	92	9520	5.00	5.25	
91 n-Butyl acetate	73	7.543	7.543	0.000	97	488	1.00	0.7390	
92 Chlorodibromomethane	129	7.616	7.622	-0.006	96	1867	1.00	1.07	
93 Ethylene Dibromide	107	7.720	7.720	0.000	97	2191	1.00	0.99	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	85	408909	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	96	9167	1.00	1.19	
96 Ethylbenzene	106	8.061	8.061	0.000	97	5356	1.00	1.18	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	75	1868	1.00	1.03	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	6231	1.00	1.13	
99 n-Butyl acrylate	73	8.335	8.335	0.000	97	1005	1.00	0.5773	
100 o-Xylene	106	8.384	8.384	0.000	93	6018	1.00	1.08	
101 Styrene	104	8.402	8.402	0.000	94	9506	1.00	1.10	
102 Amyl acetate (mixed isomers)	43	8.463	8.469	-0.006	89	2858	1.00	0.5816	
103 Bromoform	173	8.543	8.543	0.000	88	827	1.00	1.01	
104 Isopropylbenzene	105	8.591	8.591	0.000	96	16187	1.00	1.10	
\$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	89	151212	50.0	50.6	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	78	3964	1.00	1.10	
107 Bromobenzene	156	8.811	8.811	0.000	96	3960	1.00	1.12	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	19758	1.00	1.10	
109 trans-1,4-Dichloro-2-butene	53	8.835	8.841	-0.006	69	1007	1.00	1.17	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	91	1107	1.00	1.05	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	17269	1.00	1.13	
112 2-Chlorotoluene	91	8.902	8.908	-0.006	96	15045	1.00	1.15	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	94	13578	1.00	1.04	
114 Butyl Methacrylate	87	8.957	8.951	0.006	88	2072	1.00	0.4787	
115 4-Chlorotoluene	91	8.969	8.969	0.000	98	11661	1.00	1.16	
116 tert-Butylbenzene	119	9.103	9.103	0.000	95	10575	1.00	1.06	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	96	14389	1.00	1.08	
118 sec-Butylbenzene	105	9.231	9.231	0.000	99	17861	1.00	1.07	
119 4-Isopropyltoluene	119	9.305	9.305	0.000	98	15427	1.00	1.08	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	94	8529	1.00	1.22	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	96	230776	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.390	0.000	73	8243	1.00	1.16	
123 1,2,3-Trimethylbenzene	105	9.390	9.396	-0.006	96	15831	1.00	1.10	
124 Benzyl chloride	91	9.469	9.475	-0.006	95	2591	1.00	1.02	
125 2,3-Dihydroindene	117	9.524	9.524	0.000	91	17384	1.00	1.15	
126 p-Diethylbenzene	119	9.530	9.530	0.000	90	9704	1.00	1.14	
127 n-Butylbenzene	92	9.548	9.549	0.000	97	8683	1.00	1.08	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	94	8796	1.00	1.21	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.042	0.000	98	14318	1.00	1.10	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	66	428	1.00	1.00	
131 1,3,5-Trichlorobenzene	180	10.262	10.256	0.006	95	6102	1.00	1.06	
132 1,2,4-Trichlorobenzene	180	10.768	10.768	0.000	91	4888	1.00	1.09	
133 Hexachlorobutadiene	225	10.841	10.847	-0.006	93	2111	1.00	0.9890	
134 Naphthalene	128	11.018	11.018	0.000	98	7700	1.00	0.9439	
135 1,2,3-Trichlorobenzene	180	11.237	11.243	-0.006	94	2719	1.00	0.9366	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.42	
S 137 Xylenes, Total	100				0		2.00	2.21	
S 138 Total BTEX	1				0		5.00	5.86	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00119	Amount Added: 10.00	Units: uL	
524freon_00023	Amount Added: 10.00	Units: uL	
ACROLEIN W_00107	Amount Added: 4.00	Units: uL	
14DIOXINTER_00116	Amount Added: 30.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD1

Worklist Smp#:

Client ID:

Purge Vol: 5.000 mL

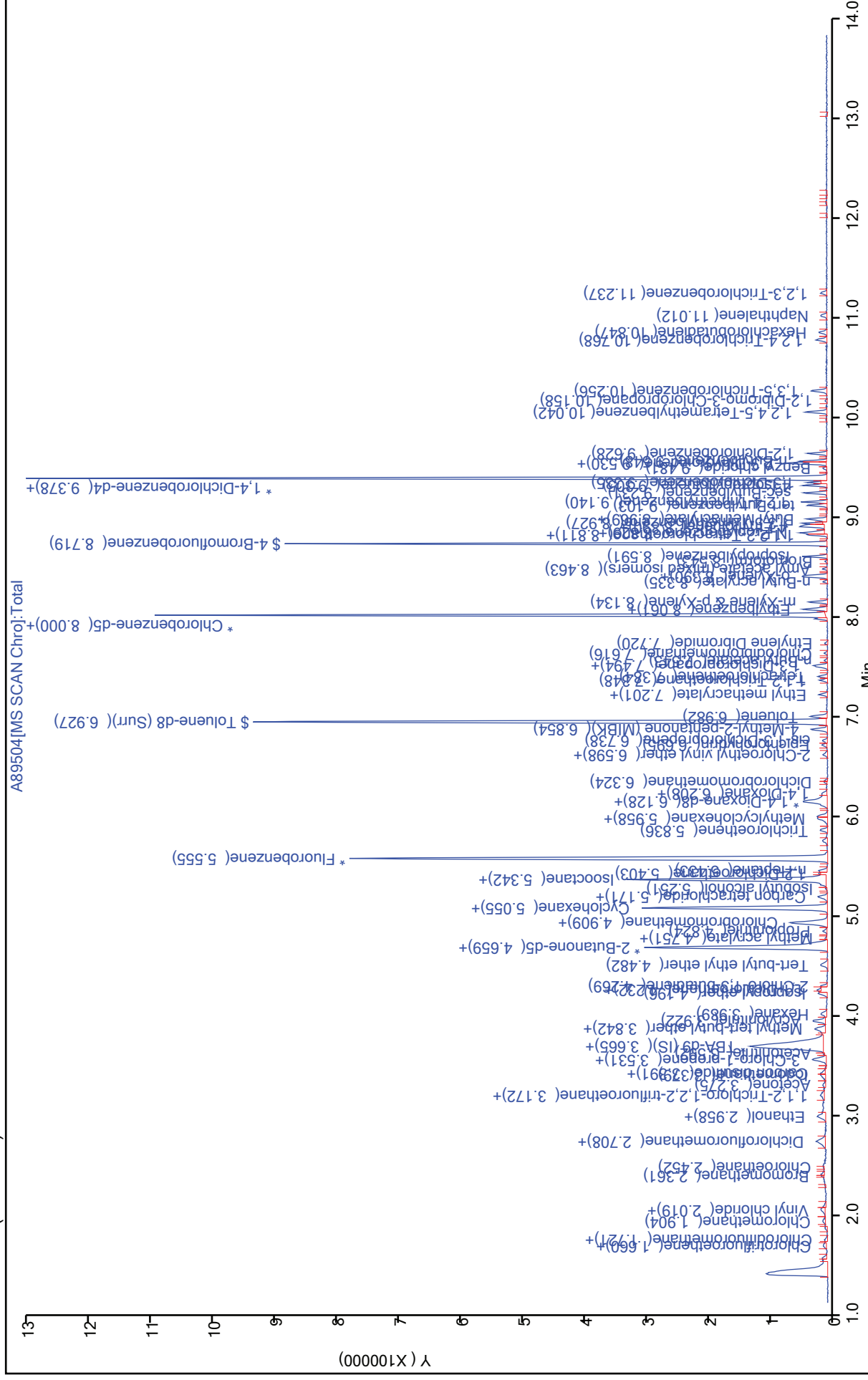
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260624W 1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

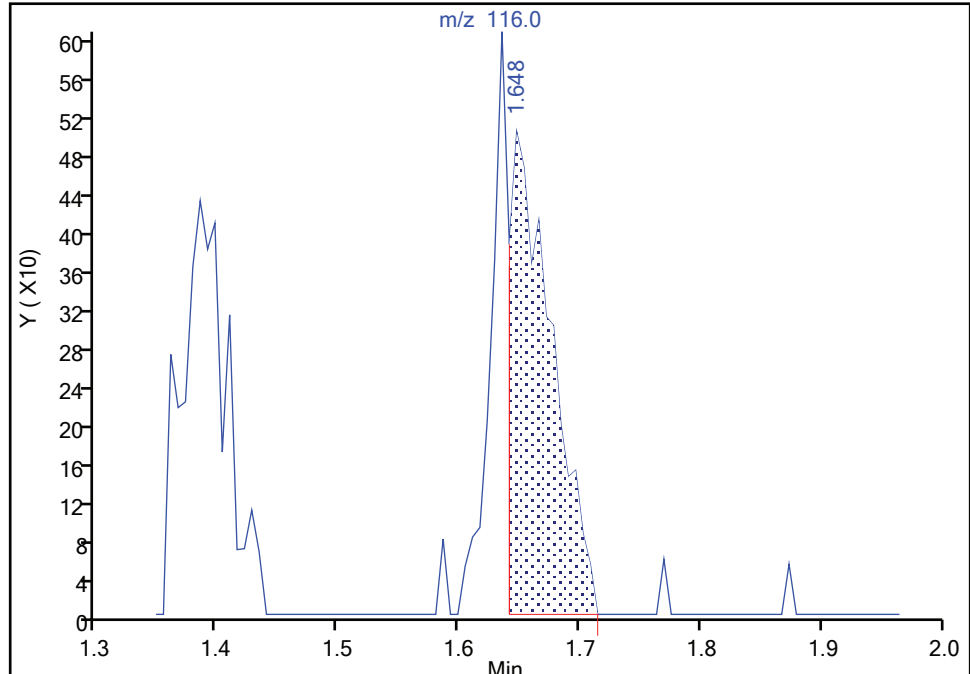
MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

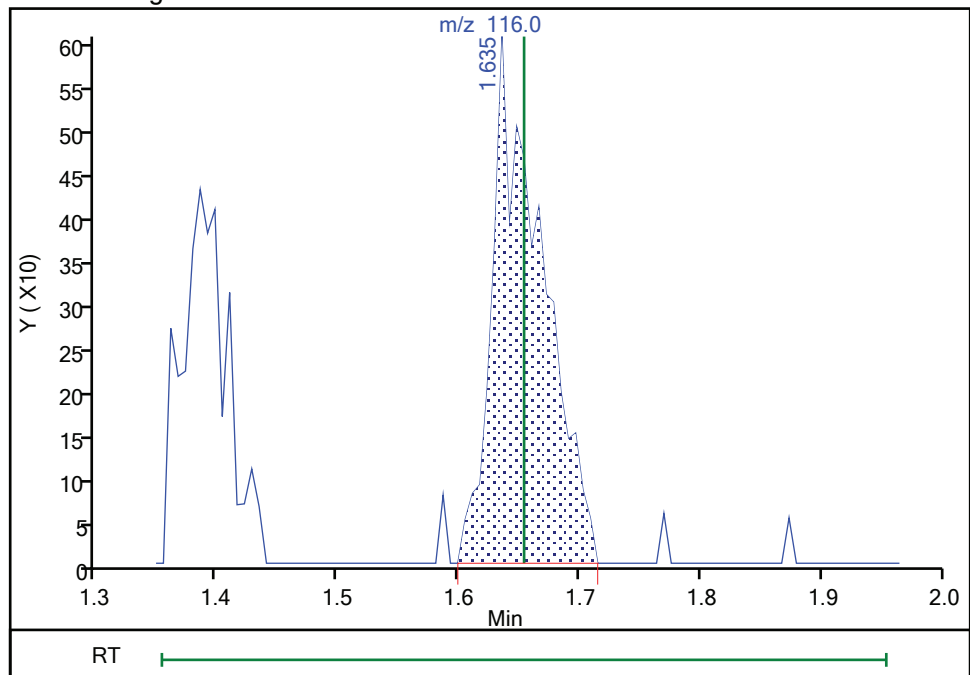
RT: 1.65
Area: 1222
Amount: 0.941084
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 1731
Amount: 1.081170
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:44:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

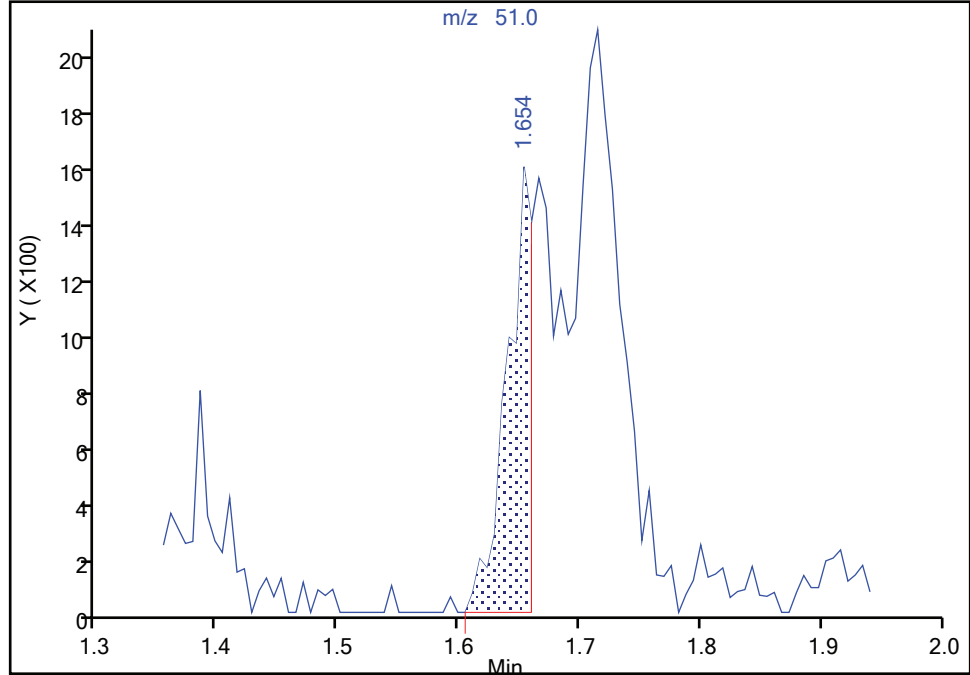
MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

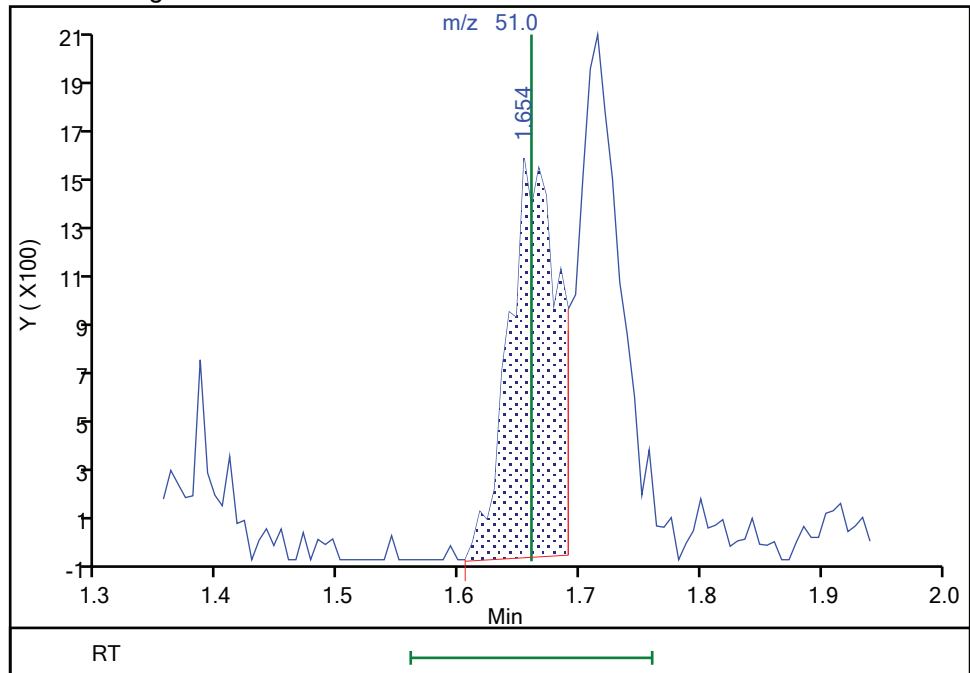
RT: 1.65
Area: 2317
Amount: 0.658640
Amount Units: ug/l

Processing Integration Results



RT: 1.65
Area: 4513
Amount: 1.186152
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:44:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

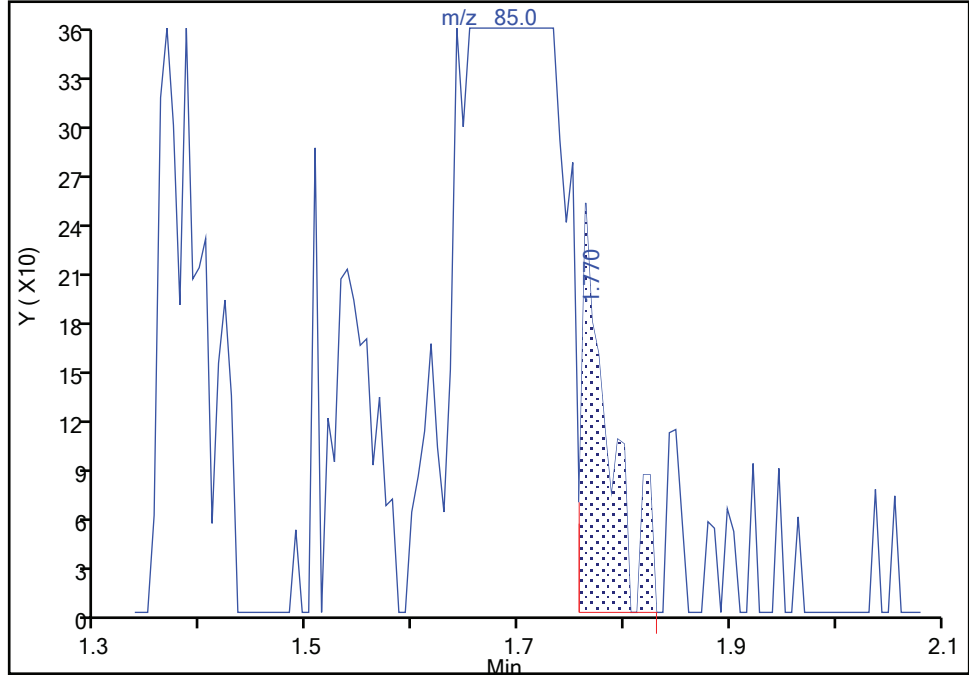
MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

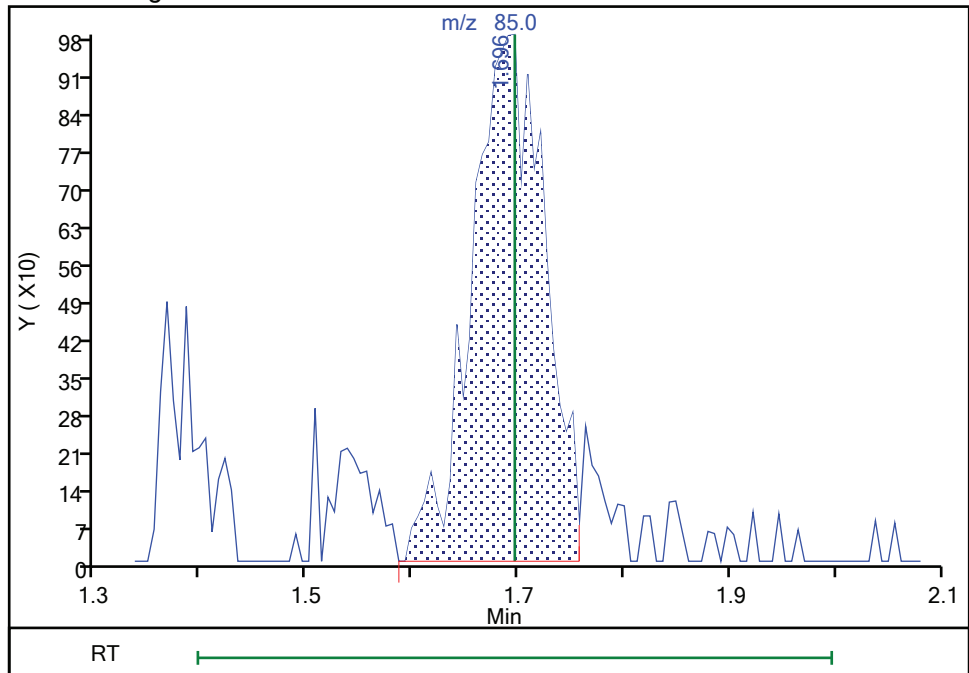
RT: 1.77
Area: 448
Amount: 0.085880
Amount Units: ug/l

Processing Integration Results



RT: 1.70
Area: 4757
Amount: 0.907678
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:44:31

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

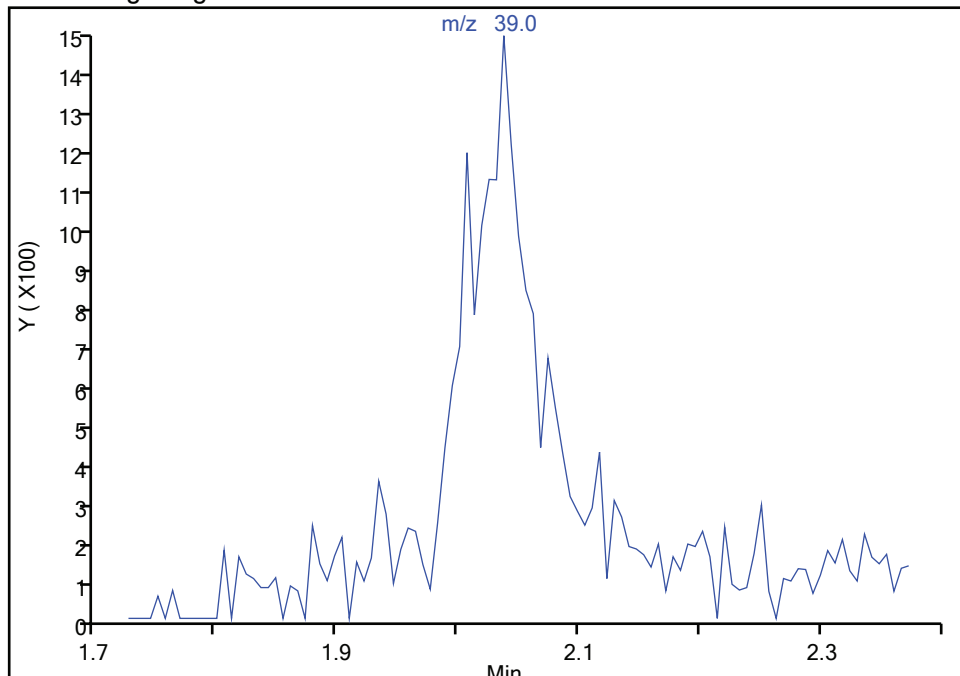
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 1

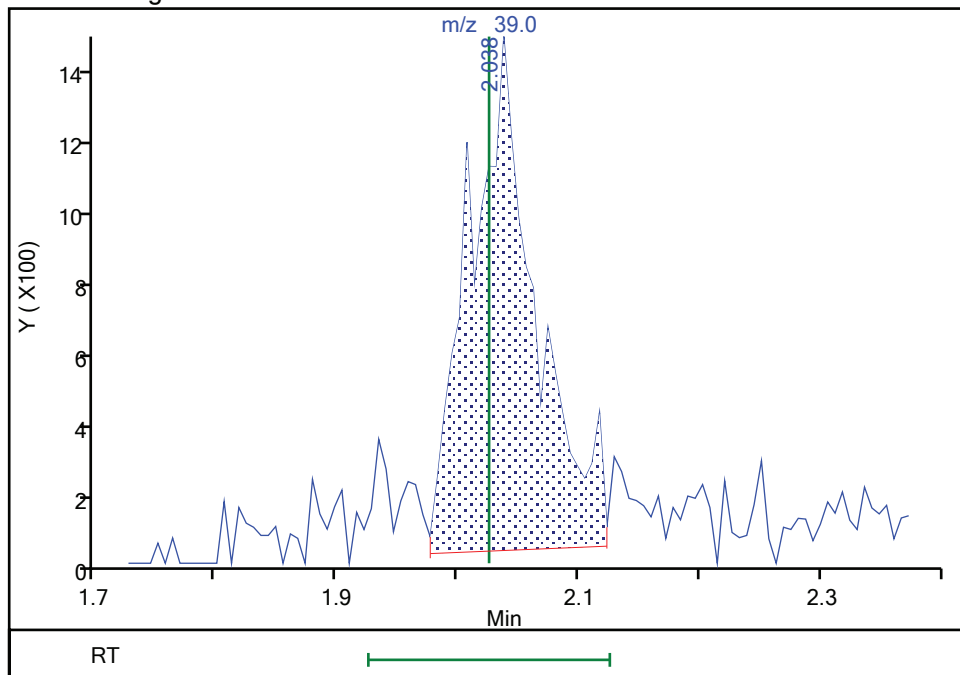
Not Detected
Expected RT: 2.03

Processing Integration Results



RT: 2.04
Area: 5333
Amount: 1.072496
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:44:39

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

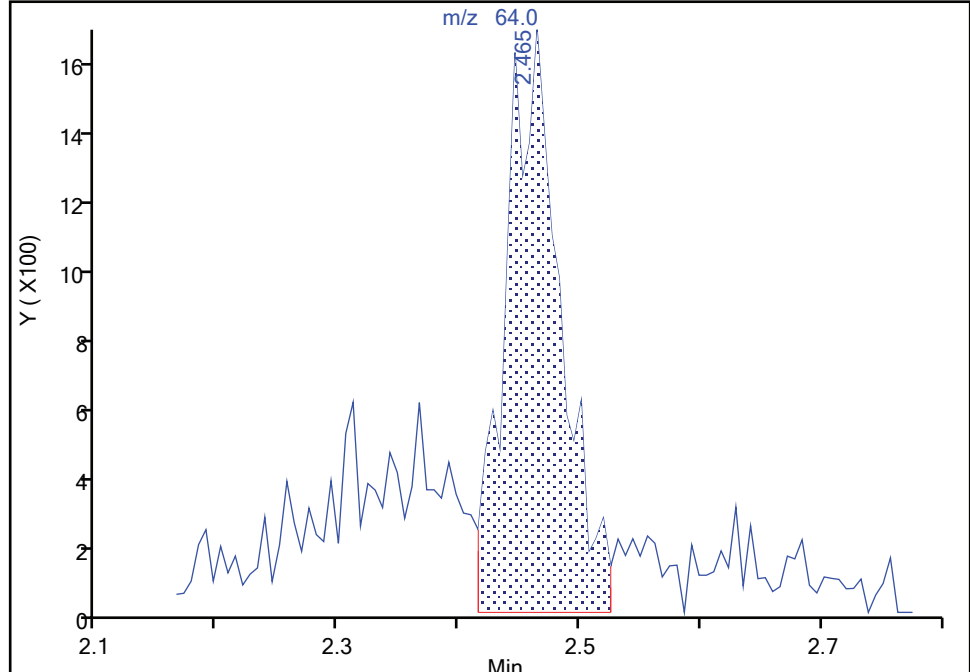
MS SCAN

10 Chloroethane, CAS: 75-00-3

Signal: 1

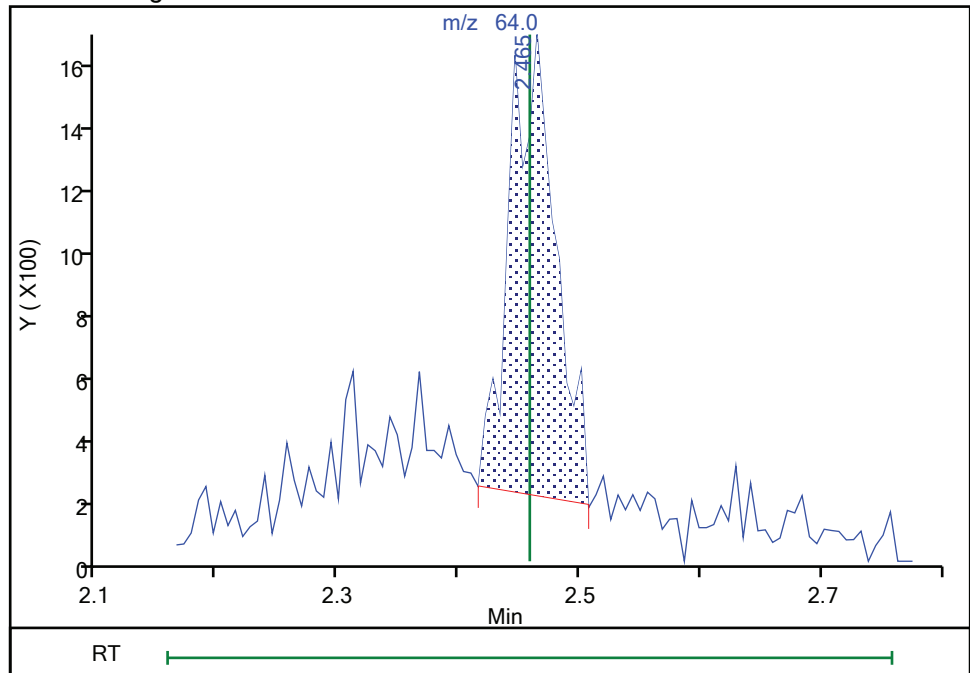
RT: 2.46
Area: 5325
Amount: 1.656557
Amount Units: ug/l

Processing Integration Results



RT: 2.46
Area: 3868
Amount: 1.146871
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 18:11:24

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

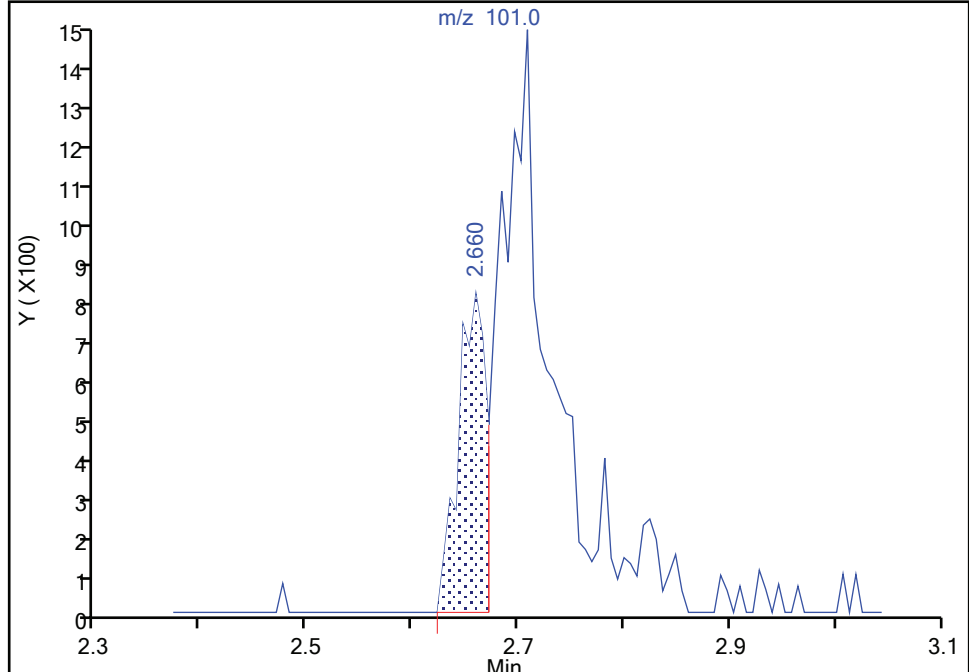
MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

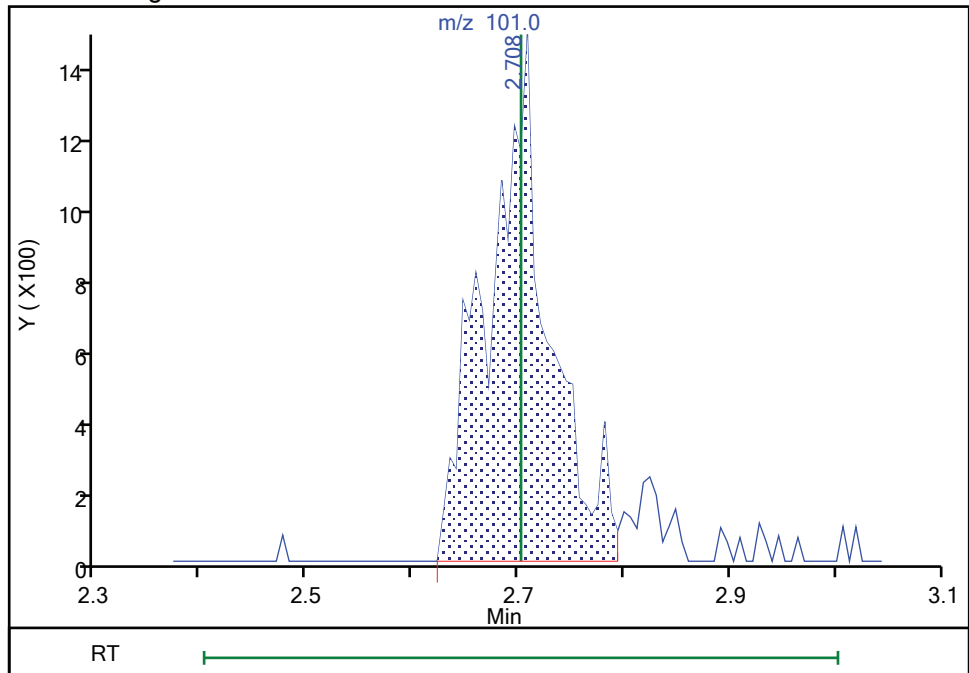
RT: 2.66
Area: 1502
Amount: 0.273433
Amount Units: ug/l

Processing Integration Results



RT: 2.71
Area: 5947
Amount: 1.079758
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:44:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

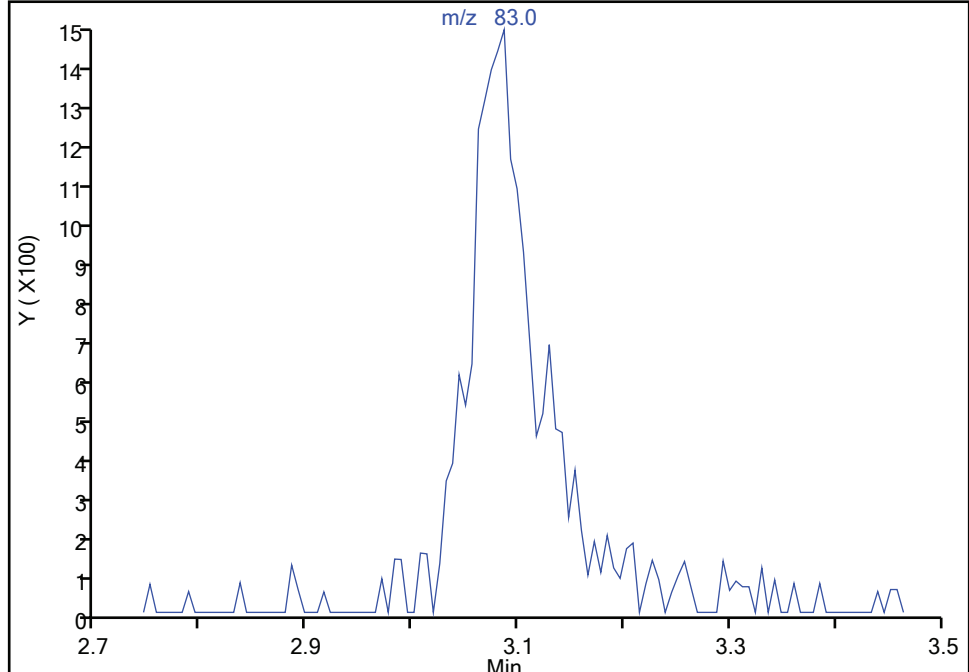
18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

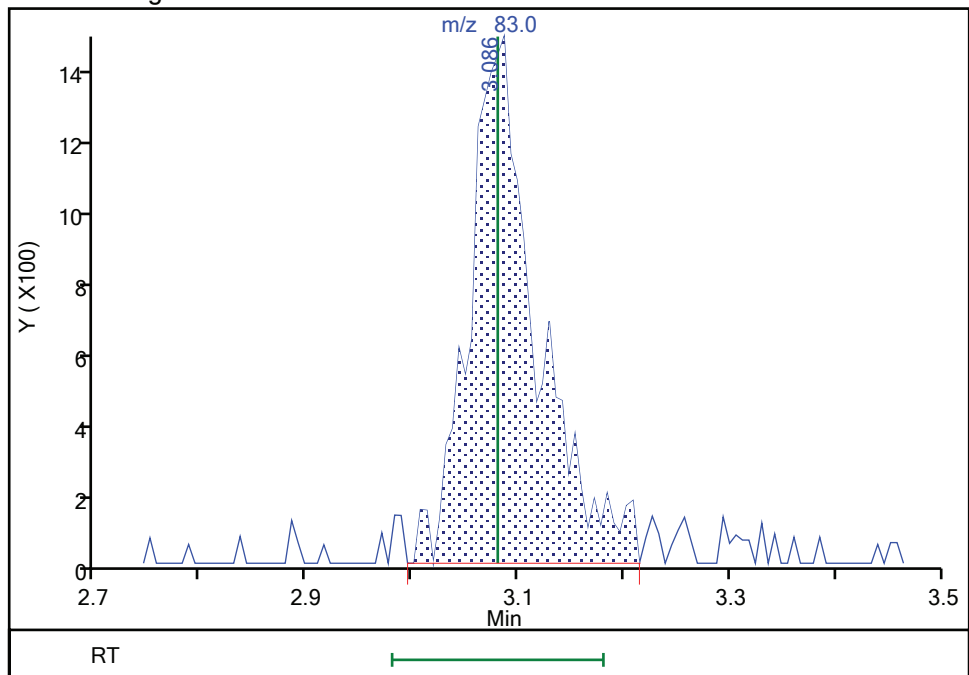
Not Detected

Expected RT: 3.08

Processing Integration Results



Manual Integration Results



RT: 3.09

Area: 6472

Amount: 1.139899

Amount Units: ug/l

Reviewer: baronm, 12-Jun-2020 17:45:03

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

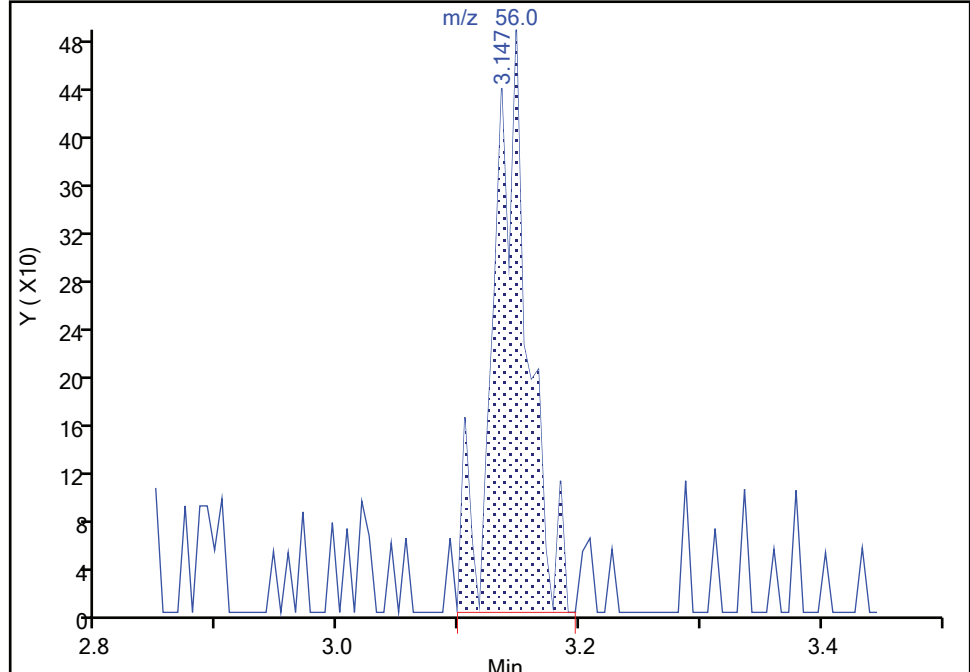
MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

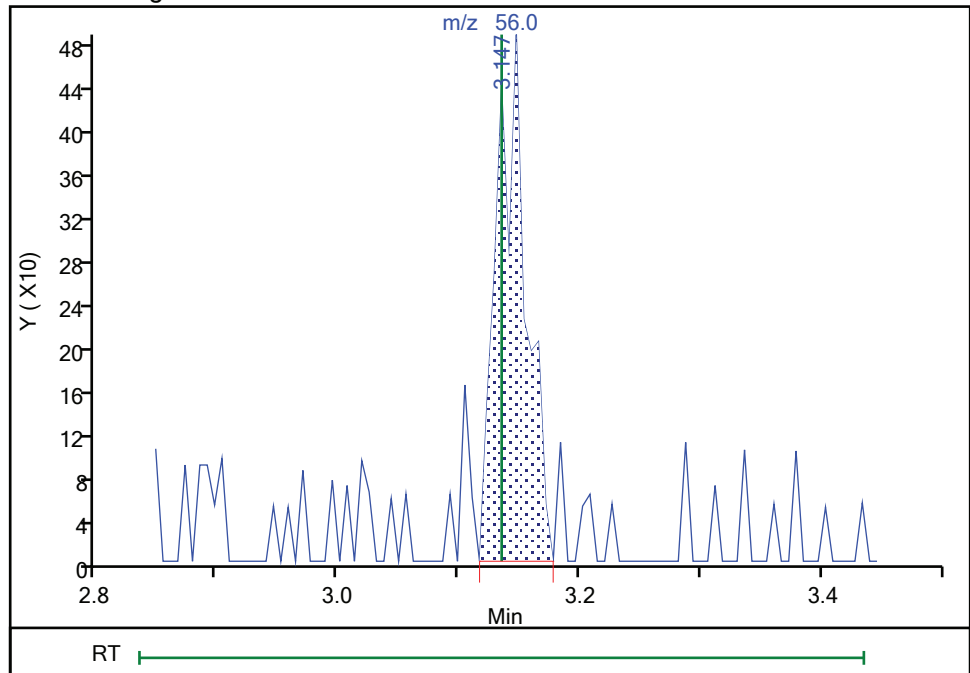
RT: 3.15
Area: 958
Amount: 6.370109
Amount Units: ug/l

Processing Integration Results



RT: 3.15
Area: 837
Amount: 5.565763
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 18:13:29

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

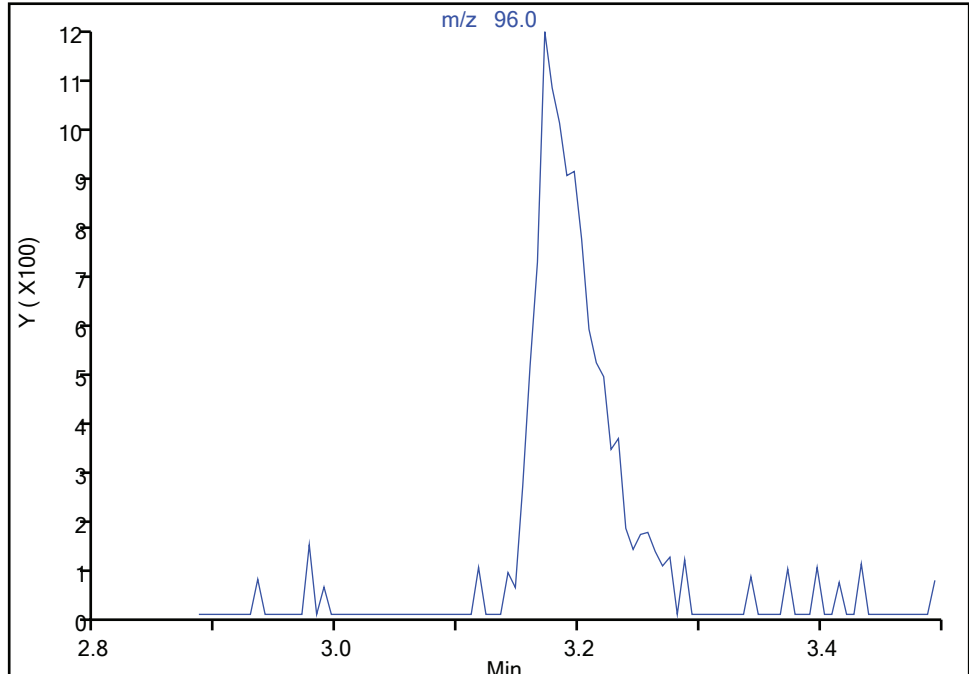
21 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

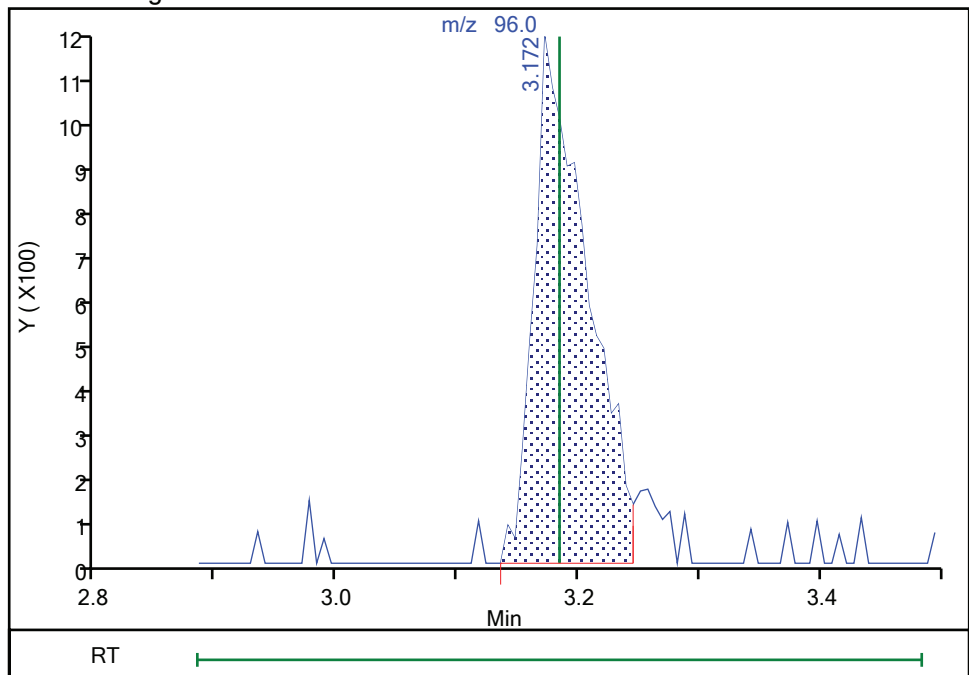
Not Detected

Expected RT: 3.18

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:45:10

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

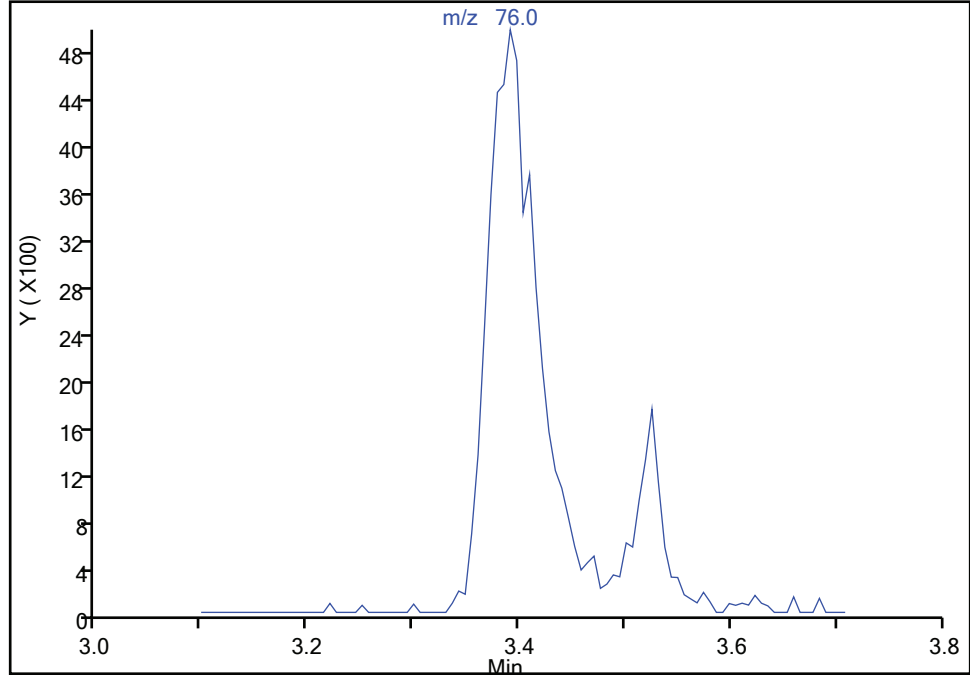
24 Carbon disulfide, CAS: 75-15-0

Signal: 1

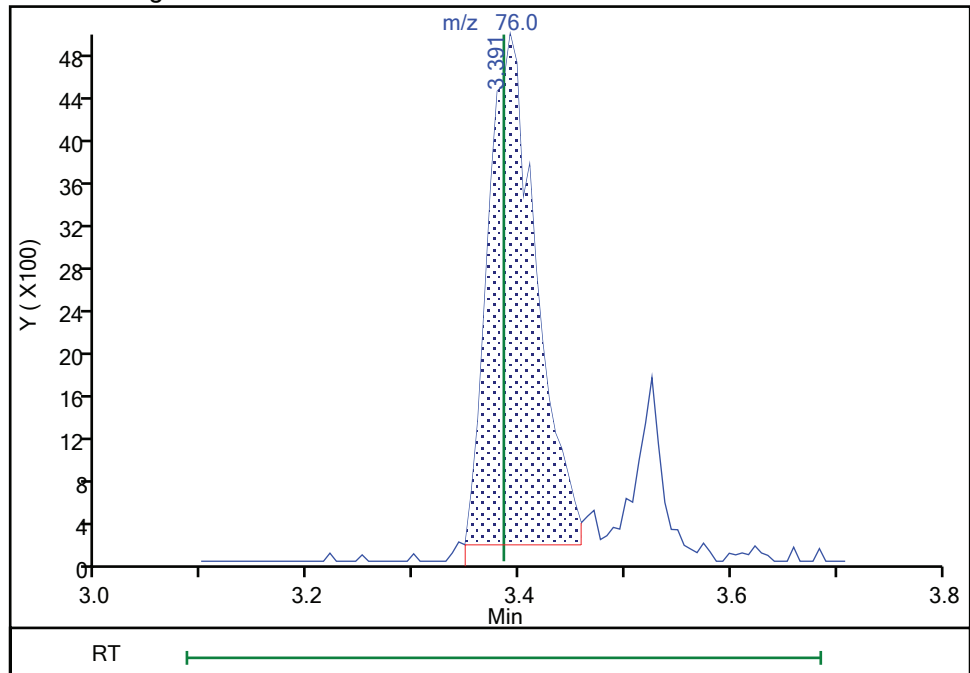
Not Detected

Expected RT: 3.39

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:45:16

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

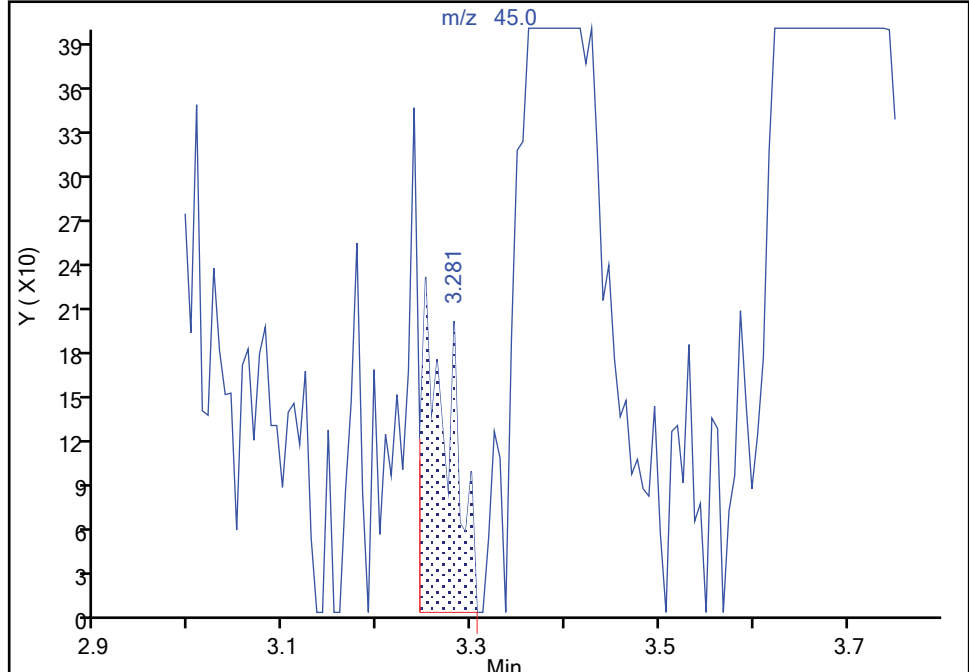
MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

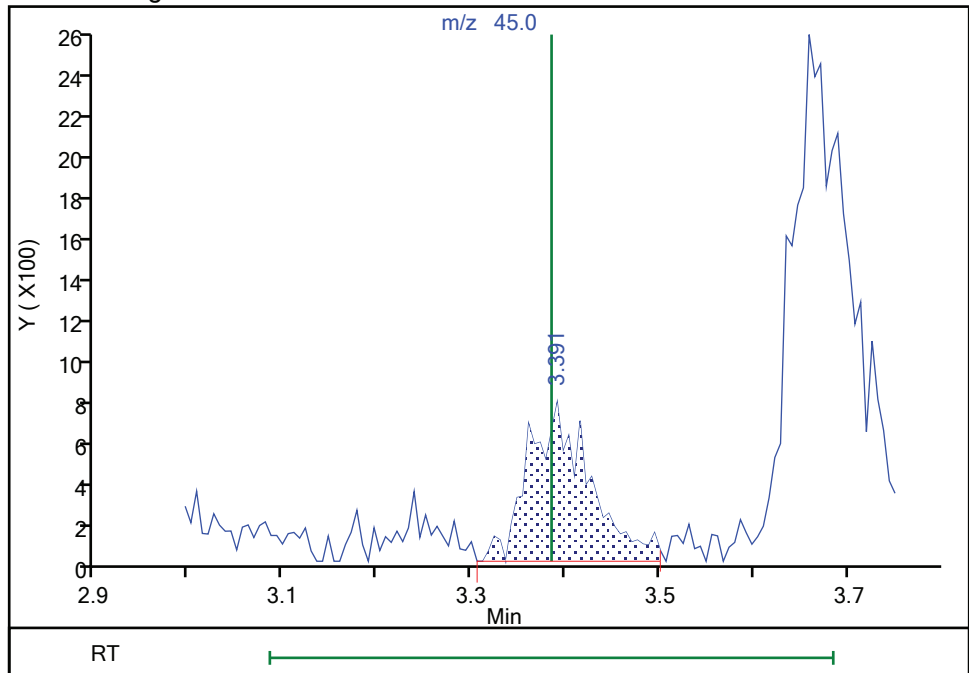
RT: 3.28
Area: 459
Amount: 2.396135
Amount Units: ug/l

Processing Integration Results



RT: 3.39
Area: 3534
Amount: 18.435443
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:45:22

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

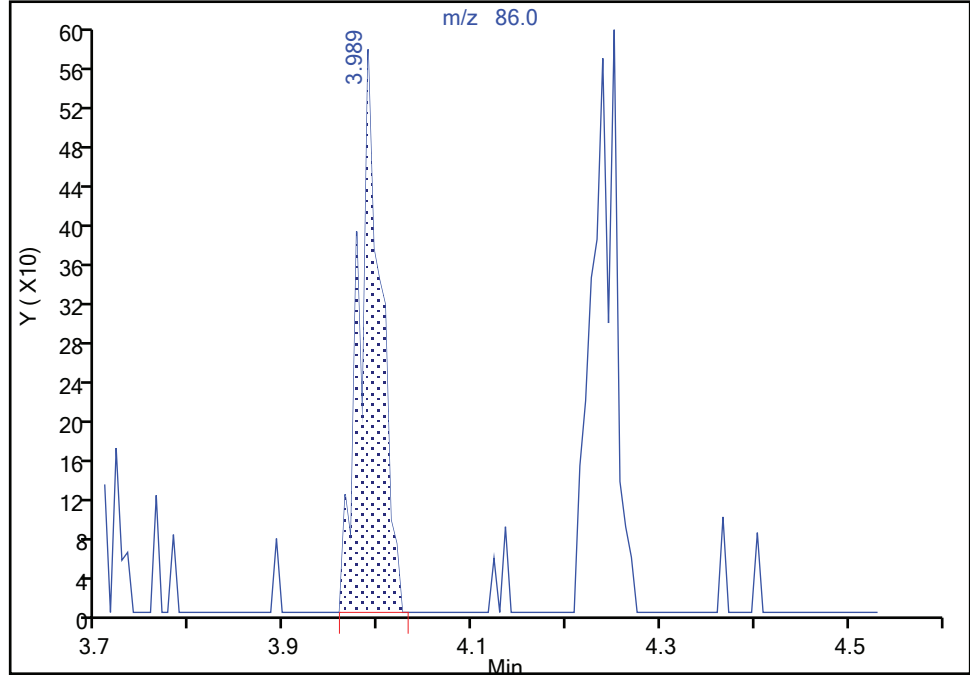
MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

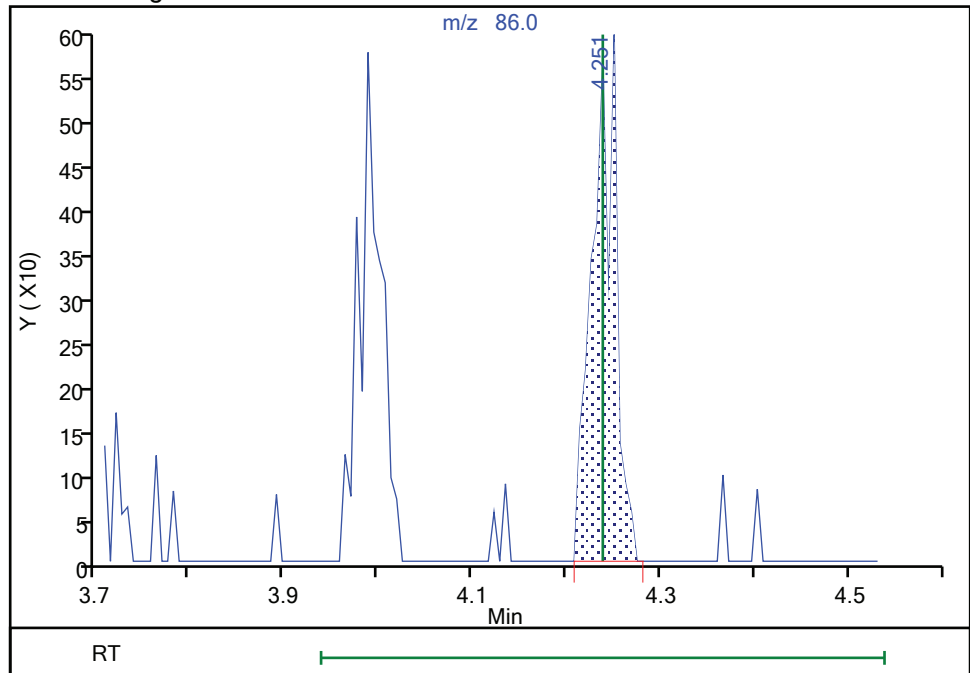
RT: 3.99
Area: 925
Amount: 1.999239
Amount Units: ug/l

Processing Integration Results



RT: 4.25
Area: 1027
Amount: 2.179653
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:45:36

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

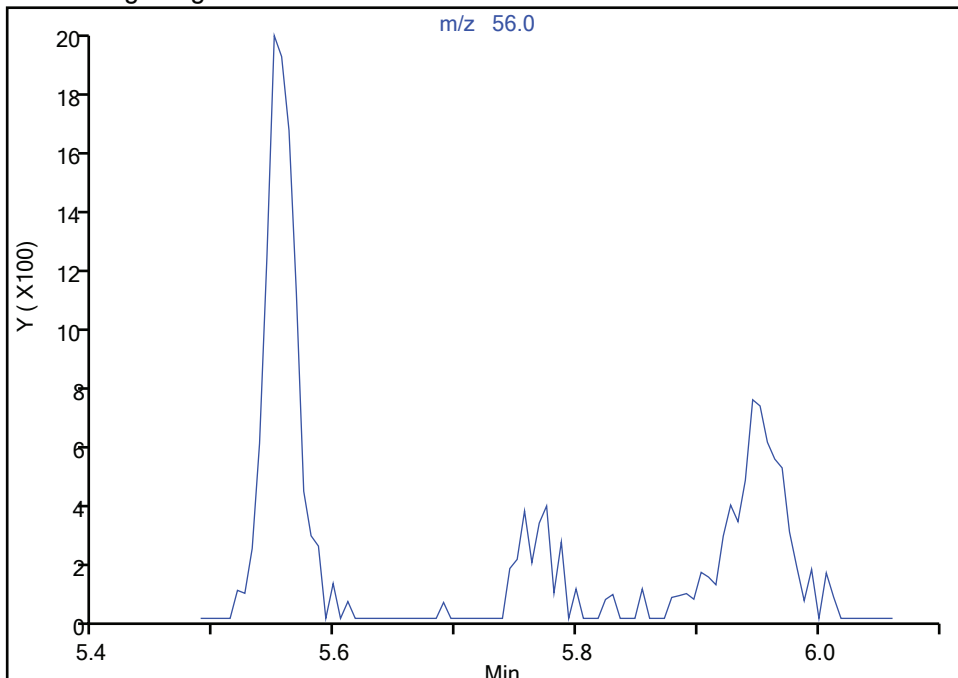
67 n-Butanol, CAS: 71-36-3

Signal: 1

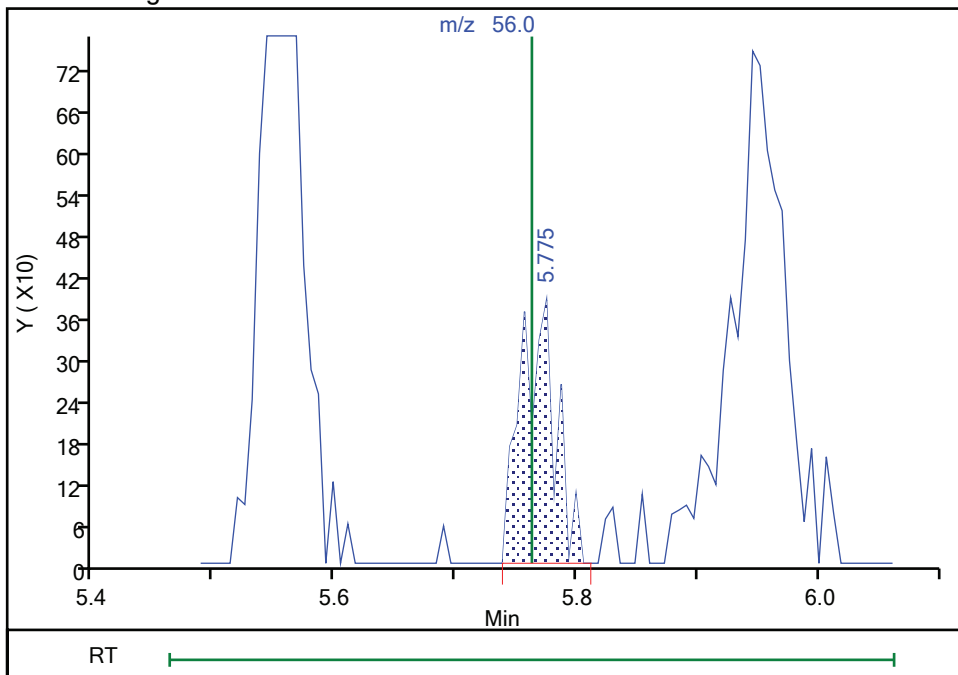
Not Detected

Expected RT: 5.76

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:45:49

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

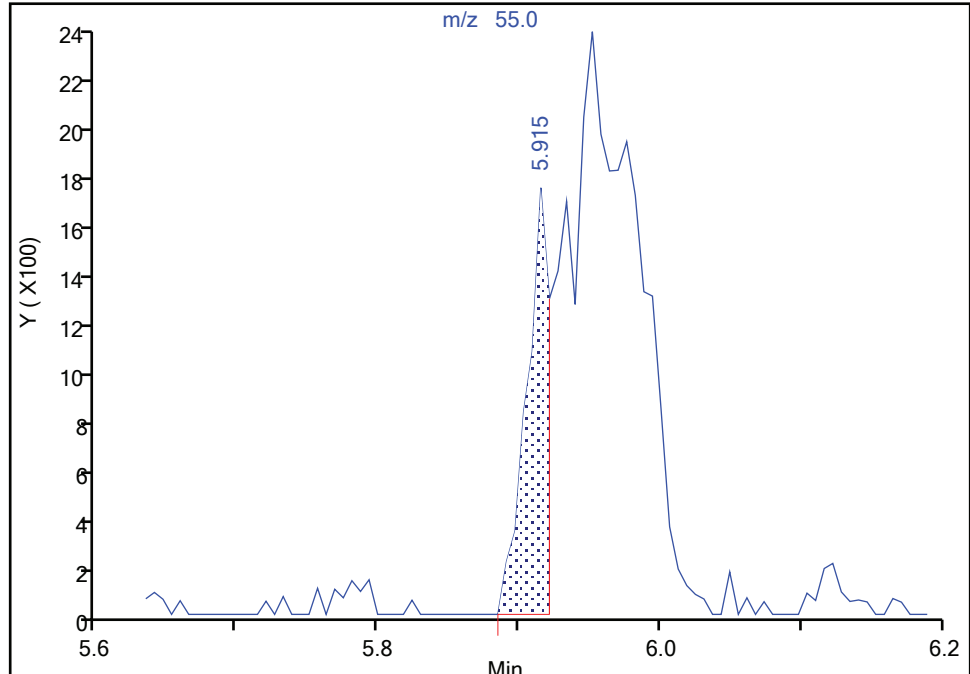
MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

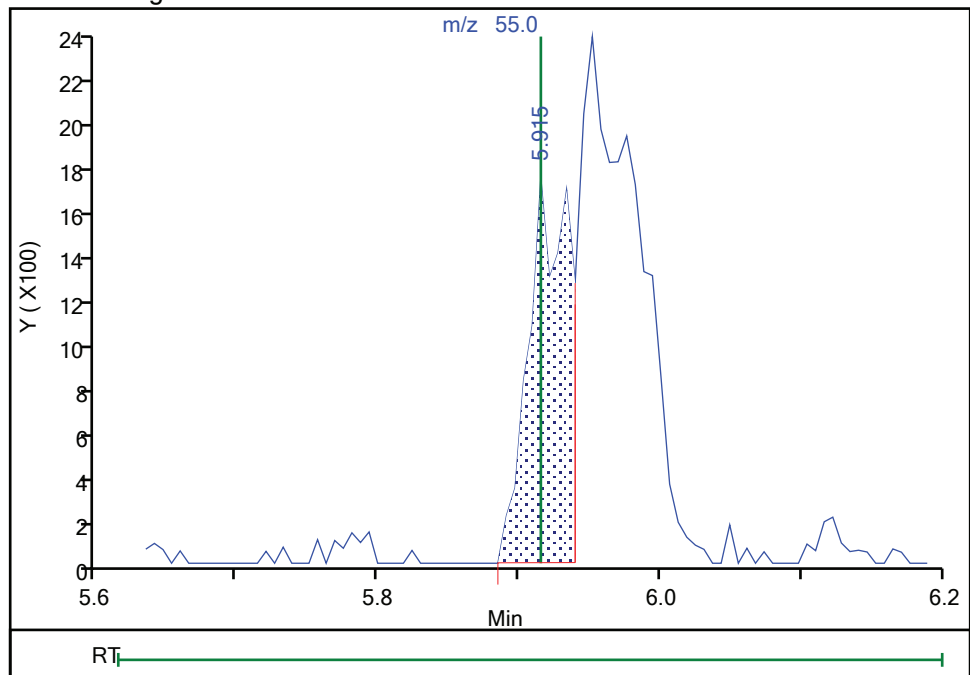
RT: 5.92
Area: 2015
Amount: 0.592351
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 3605
Amount: 1.059414
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:46:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

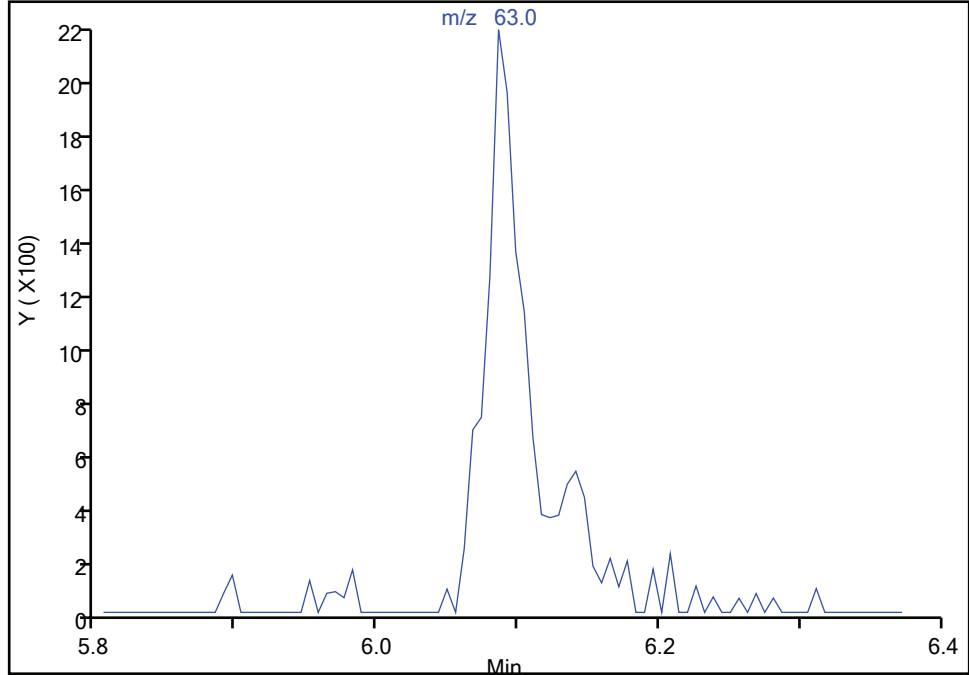
71 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

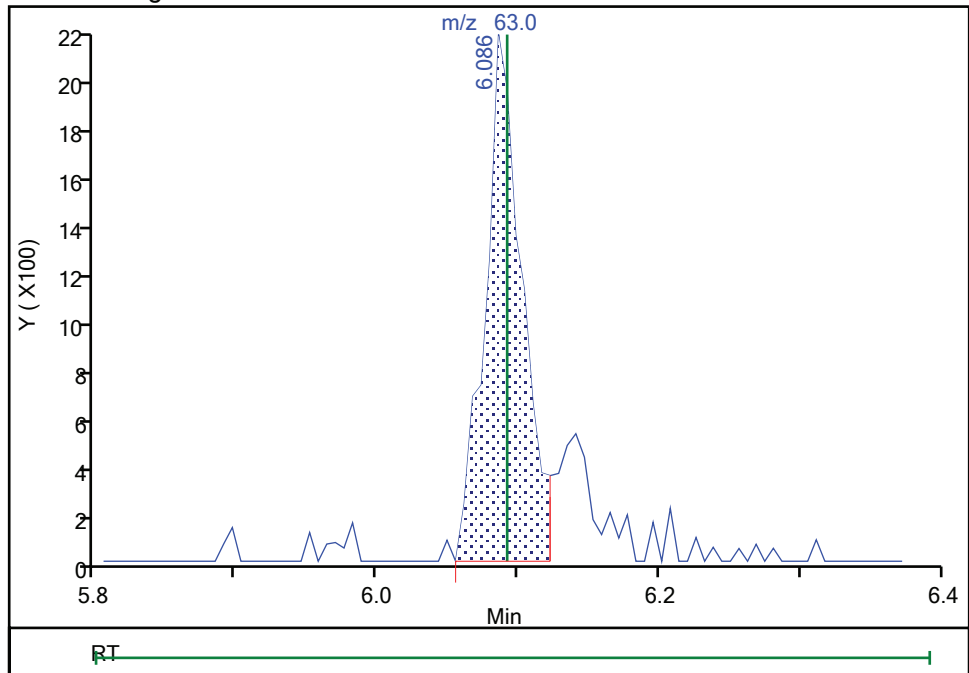
Not Detected

Expected RT: 6.09

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:46:21

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date: 11-Jun-2020 02:28:30

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

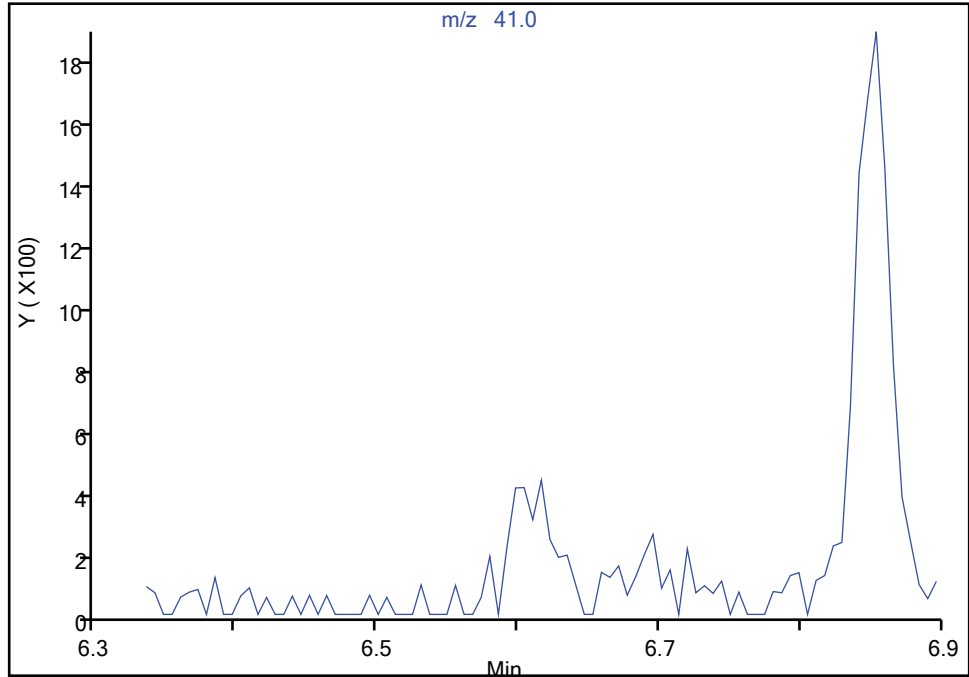
79 2-Nitropropane, CAS: 79-46-9

Signal: 1

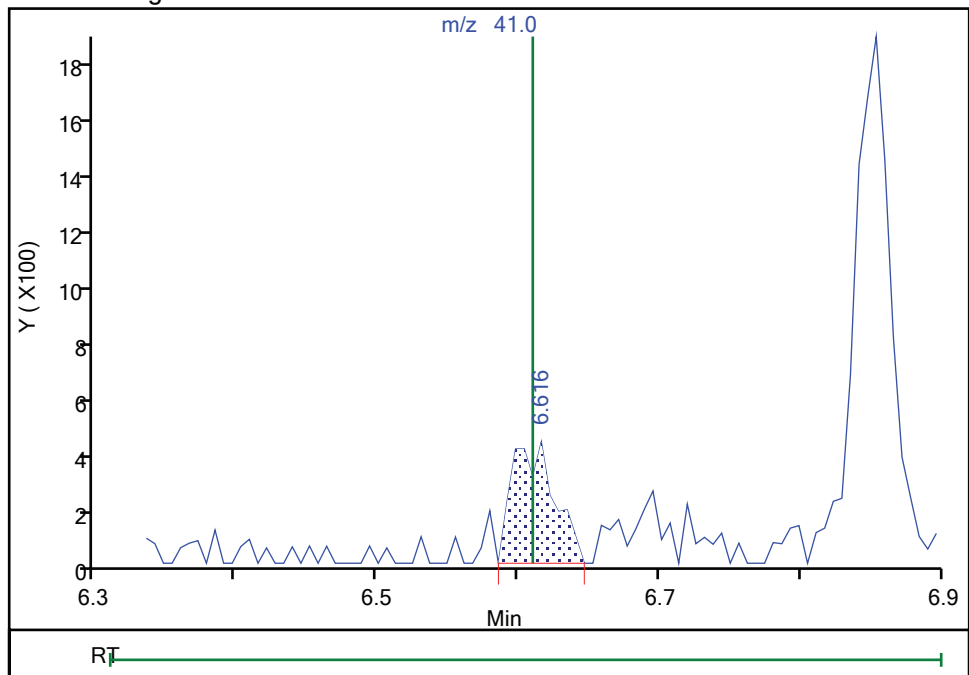
Not Detected

Expected RT: 6.61

Processing Integration Results



Manual Integration Results



RT: 6.62

Area: 914

Amount: 2.025521

Amount Units: ug/l

Reviewer: baronm, 12-Jun-2020 17:46:34

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Jun-2020 02:52:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0111447-005
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Jun-2020 18:46:16 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: boykink

Date: 11-Jun-2020 03:09:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.507	1.544	-0.037	37	2229	5.00	6.18	Ma
2 Chlorotrifluoroethene	116	1.635	1.654	-0.019	67	7946	5.00	5.20	
3 1,1-Difluoroethane	51	1.642	1.660	-0.018	97	18025	5.00	4.96	
4 Dichlorodifluoromethane	85	1.684	1.696	-0.012	98	26476	5.00	5.29	
5 Chlorodifluoromethane	51	1.709	1.715	-0.006	98	23330	5.00	5.22	
6 Chloromethane	50	1.892	1.904	-0.012	99	31607	5.00	5.30	
8 Vinyl chloride	62	2.001	2.013	-0.012	97	28964	5.00	5.02	
7 Butadiene	39	2.013	2.026	-0.013	75	21966	5.00	4.63	
9 Bromomethane	94	2.367	2.367	0.000	96	20001	5.00	5.06	
10 Chloroethane	64	2.458	2.458	0.000	98	17146	5.00	5.33	a
11 Dichlorofluoromethane	67	2.666	2.684	-0.018	98	34279	5.00	4.85	
12 Trichlorofluoromethane	101	2.672	2.702	-0.030	54	25407	5.00	4.83	a
13 Pentane	72	2.702	2.714	-0.012	97	6822	10.0	12.3	
15 Ethanol	46	2.952	2.934	0.018	70	4465	200.0	246.0	a
14 Ethyl ether	59	2.934	2.946	-0.012	91	13489	5.00	4.77	
16 2-Methyl-1,3-butadiene	53	2.952	2.971	-0.019	96	15512	5.00	4.76	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	3.013	3.013	0.000	77	15746	5.00	4.90	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	3.068	3.080	-0.012	90	26041	5.00	4.81	a
19 Acrolein	56	3.135	3.135	0.000	52	3888	20.0	31.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.147	3.160	-0.013	86	18276	5.00	5.07	
21 1,1-Dichloroethene	96	3.166	3.184	-0.018	98	16220	5.00	4.75	
22 Acetone	58	3.275	3.275	0.000	87	8877	25.0	23.4	
23 Iodomethane	142	3.349	3.355	-0.006	95	30159	5.00	4.84	
24 Carbon disulfide	76	3.385	3.385	0.000	100	65515	5.00	4.90	
25 Isopropyl alcohol	45	3.391	3.385	0.006	96	10759	50.0	67.7	
26 3-Chloro-1-propene	76	3.519	3.525	-0.006	93	10786	5.00	4.43	
27 Methyl acetate	43	3.525	3.537	-0.012	73	22658	10.0	9.60	
28 Cyclopentene	67	3.538	3.544	-0.006	93	43042	5.00	4.77	
29 Acetonitrile	41	3.592	3.598	-0.006	99	20935	50.0	57.0	M
* 31 TBA-d9 (IS)	65	3.653	3.659	-0.006	55	234149	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.653	3.659	-0.006	59	19449	5.00	4.67	a
32 2-Methyl-2-propanol	59	3.739	3.733	0.006	1	9465	50.0	42.1	a
33 Methyl tert-butyl ether	73	3.818	3.824	-0.006	98	37095	5.00	4.73	
34 trans-1,2-Dichloroethene	96	3.836	3.842	-0.006	94	16966	5.00	4.75	
35 Acrylonitrile	53	3.916	3.915	0.001	95	61270	50.0	46.6	
36 Hexane	43	3.983	3.995	-0.012	94	13940	5.00	5.03	
37 Isopropyl ether	45	4.196	4.196	0.000	98	51588	5.00	4.94	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	99	28679	5.00	4.87	
39 Vinyl acetate	86	4.233	4.239	-0.006	99	3454	10.0	8.85	
40 2-Chloro-1,3-butadiene	88	4.263	4.269	-0.006	90	13935	5.00	4.82	
41 Tert-butyl ethyl ether	59	4.482	4.489	-0.007	90	40120	5.00	4.85	
* 42 2-Butanone-d5	46	4.653	4.653	0.000	89	296776	250.0	250.0	
43 2,2-Dichloropropane	97	4.684	4.690	-0.006	85	3261	5.00	3.97	
44 cis-1,2-Dichloroethene	96	4.690	4.696	-0.006	96	17651	5.00	4.71	
45 Ethyl acetate	70	4.702	4.708	-0.006	94	2411	10.0	8.39	
46 2-Butanone (MEK)	72	4.702	4.708	-0.006	98	9181	25.0	25.3	
47 Methyl acrylate	55	4.751	4.751	0.000	98	10488	5.00	4.46	
48 Propionitrile	54	4.818	4.824	-0.006	98	22908	50.0	57.6	
49 Chlorobromomethane	128	4.885	4.891	-0.006	89	8207	5.00	4.63	
50 Tetrahydrofuran	72	4.885	4.891	-0.006	64	4212	10.0	10.4	
51 Methacrylonitrile	67	4.903	4.909	-0.006	91	63971	50.0	49.3	
52 Chloroform	83	4.928	4.927	0.001	99	25102	5.00	4.74	
53 Cyclohexane	56	5.043	5.043	0.000	91	28855	5.00	4.76	
\$ 54 Dibromofluoromethane (Surr)	113	5.056	5.055	0.001	97	132792	50.0	49.2	
55 1,1,1-Trichloroethane	97	5.056	5.055	0.001	61	15484	5.00	4.01	
56 Carbon tetrachloride	117	5.153	5.153	0.000	95	9757	5.00	4.50	
57 1,1-Dichloropropene	75	5.165	5.171	-0.006	97	19668	5.00	4.69	
58 Isobutyl alcohol	43	5.245	5.251	-0.006	76	4959	125.0	98.5	
59 Isooctane	57	5.299	5.299	0.000	98	57006	5.00	5.32	
60 Benzene	78	5.330	5.336	-0.006	96	61640	5.00	5.13	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.336	5.342	-0.006	86	150110	50.0	48.7	
62 Isopropyl acetate	43	5.354	5.354	0.000	68	30028	5.00	3.96	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	92	11518	5.00	4.60	
64 1,2-Dichloroethane	62	5.397	5.403	-0.006	96	17737	5.00	4.80	
65 n-Heptane	71	5.427	5.433	-0.006	94	22227	5.00	5.64	
* 66 Fluorobenzene	96	5.549	5.555	-0.006	99	579822	50.0	50.0	
67 n-Butanol	56	5.763	5.763	0.000	81	3516	125.0	114.3	
68 Trichloroethene	95	5.836	5.842	-0.006	97	14314	5.00	4.52	
70 Ethyl acrylate	55	5.921	5.915	0.006	5	11580	5.00	3.56	a
69 Methylcyclohexane	83	5.952	5.952	0.000	95	29007	5.00	4.94	
71 1,2-Dichloropropane	63	6.086	6.092	-0.006	89	15797	5.00	4.92	
* 72 1,4-Dioxane-d8	96	6.122	6.128	-0.006	85	35901	1000.0	1000.0	
73 Methyl methacrylate	100	6.122	6.128	-0.006	90	5052	10.0	7.61	
74 n-Propyl acetate	43	6.165	6.165	0.000	98	11936	5.00	3.59	
76 1,4-Dioxane	88	6.171	6.177	-0.006	35	3742	100.0	97.3	
75 Dibromomethane	93	6.202	6.202	0.000	95	8917	5.00	4.74	
77 Dichlorobromomethane	83	6.324	6.330	-0.006	99	12315	5.00	4.09	
78 2-Chloroethyl vinyl ether	63	6.592	6.598	-0.006	97	8972	5.01	4.86	
79 2-Nitropropane	41	6.610	6.610	0.000	93	2501	10.0	9.27	
80 Epichlorohydrin	57	6.695	6.701	-0.006	99	21143	100.0	88.2	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	93	14742	5.00	4.10	
82 4-Methyl-2-pentanone (MIBK)	43	6.848	6.854	-0.006	96	68186	25.0	25.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	99	499791	50.0	50.9	
84 Toluene	91	6.982	6.982	0.000	93	60380	5.00	5.08	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	90	10117	5.00	3.87	
86 Ethyl methacrylate	69	7.201	7.201	0.000	82	10640	5.00	3.09	
87 1,1,2-Trichloroethane	83	7.342	7.348	-0.006	96	10147	5.00	5.00	
88 Tetrachloroethene	166	7.390	7.390	0.000	97	13853	5.00	4.96	
89 1,3-Dichloropropane	76	7.476	7.476	0.000	92	20612	5.00	4.93	
90 2-Hexanone	43	7.494	7.494	0.000	97	41324	25.0	24.4	
91 n-Butyl acetate	73	7.549	7.543	0.006	97	2134	5.00	3.39	
92 Chlorodibromomethane	129	7.616	7.622	-0.006	97	6786	5.00	4.07	
93 Ethylene Dibromide	107	7.720	7.720	0.000	100	8131	5.00	3.87	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	86	389036	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	94	37101	5.00	5.04	
96 Ethylbenzene	106	8.061	8.061	0.000	98	20231	5.00	4.67	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	74	7132	5.00	4.27	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	25709	5.00	4.92	
99 n-Butyl acrylate	73	8.335	8.335	0.000	98	4885	5.00	2.95	
100 o-Xylene	106	8.390	8.384	0.006	94	25366	5.00	4.77	
101 Styrene	104	8.402	8.402	0.000	97	41201	5.00	5.03	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	91	12096	5.00	2.59	
103 Bromoform	173	8.549	8.543	0.006	95	3780	5.00	4.71	
104 Isopropylbenzene	105	8.591	8.591	0.000	95	69231	5.00	4.94	
\$ 105 4-Bromofluorobenzene	174	8.726	8.719	0.007	94	141984	50.0	49.9	
106 1,1,2,2-Tetrachloroethane	83	8.811	8.805	0.006	97	14914	5.00	4.36	
107 Bromobenzene	156	8.817	8.811	0.006	98	16189	5.00	4.84	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	83042	5.00	4.85	
109 trans-1,4-Dichloro-2-butene	53	8.847	8.841	0.006	70	3663	5.00	4.48	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	94	4817	5.00	4.79	
111 4-Ethyltoluene	105	8.896	8.890	0.006	98	70467	5.00	4.86	
112 2-Chlorotoluene	91	8.908	8.908	0.000	96	59947	5.00	4.82	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	92	58351	5.00	4.71	
114 Butyl Methacrylate	87	8.957	8.951	0.006	91	9419	5.00	2.29	
115 4-Chlorotoluene	91	8.975	8.969	0.006	97	48263	5.00	5.04	
116 tert-Butylbenzene	119	9.110	9.103	0.007	93	44777	5.00	4.71	
117 1,2,4-Trimethylbenzene	105	9.146	9.140	0.006	97	60385	5.00	4.76	
118 sec-Butylbenzene	105	9.238	9.231	0.007	99	73758	5.00	4.64	
119 4-Isopropyltoluene	119	9.311	9.305	0.006	98	62715	5.00	4.63	
120 1,3-Dichlorobenzene	146	9.341	9.335	0.006	96	32129	5.00	4.84	
* 121 1,4-Dichlorobenzene-d4	152	9.384	9.378	0.006	96	219115	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.396	9.390	0.006	72	33710	5.00	5.00	
123 1,2,3-Trimethylbenzene	105	9.396	9.396	0.000	97	63929	5.00	4.69	
124 Benzyl chloride	91	9.481	9.475	0.006	98	11608	5.00	4.57	
125 2,3-Dihydroindene	117	9.530	9.524	0.006	91	68453	5.00	4.76	
126 p-Diethylbenzene	119	9.536	9.530	0.006	92	38963	5.00	4.84	
127 n-Butylbenzene	92	9.555	9.549	0.007	97	37380	5.00	4.91	
128 1,2-Dichlorobenzene	146	9.634	9.628	0.006	96	34205	5.00	4.94	
129 1,2,4,5-Tetramethylbenzene	119	10.048	10.042	0.006	97	60719	5.00	4.91	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	66	1193	5.00	2.93	
131 1,3,5-Trichlorobenzene	180	10.268	10.256	0.012	96	27403	5.00	5.02	
132 1,2,4-Trichlorobenzene	180	10.780	10.768	0.012	92	20527	5.00	4.83	
133 Hexachlorobutadiene	225	10.853	10.847	0.006	96	8890	5.00	4.39	
134 Naphthalene	128	11.024	11.018	0.006	100	36636	5.00	4.73	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.249	11.243	0.006	93	13341	5.00	4.84	
S 136 1,2-Dichloroethene, Total	100				0		10.0	9.46	
S 137 Xylenes, Total	100				0		10.0	9.69	
S 138 Total BTEX	1				0		25.0	24.6	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00107	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00119	Amount Added: 10.00	Units: uL	
524freon_00023	Amount Added: 10.00	Units: uL	
GASES Li_00371	Amount Added: 10.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD5

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

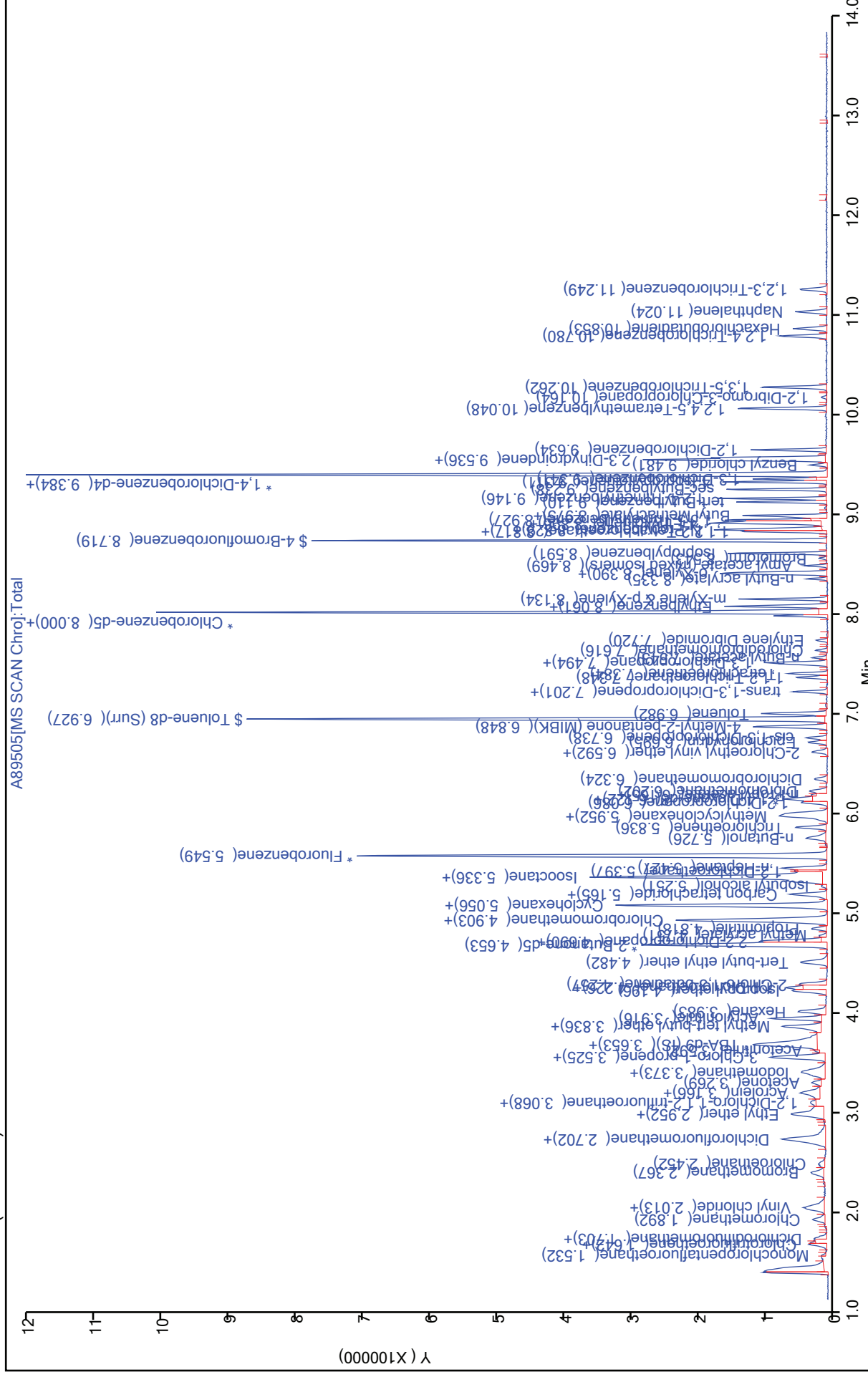
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

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

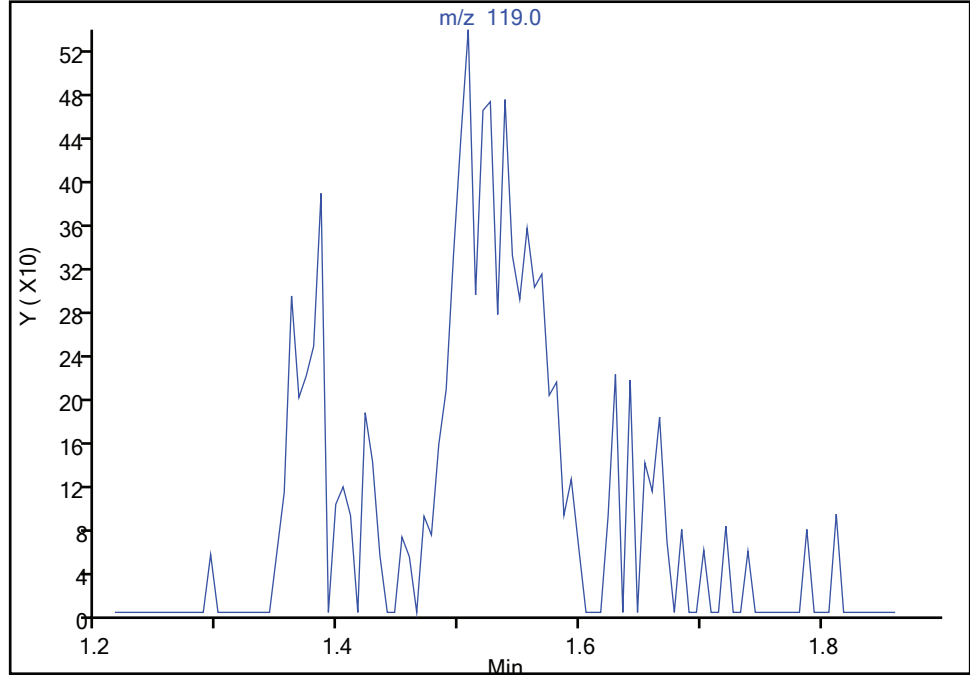
1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

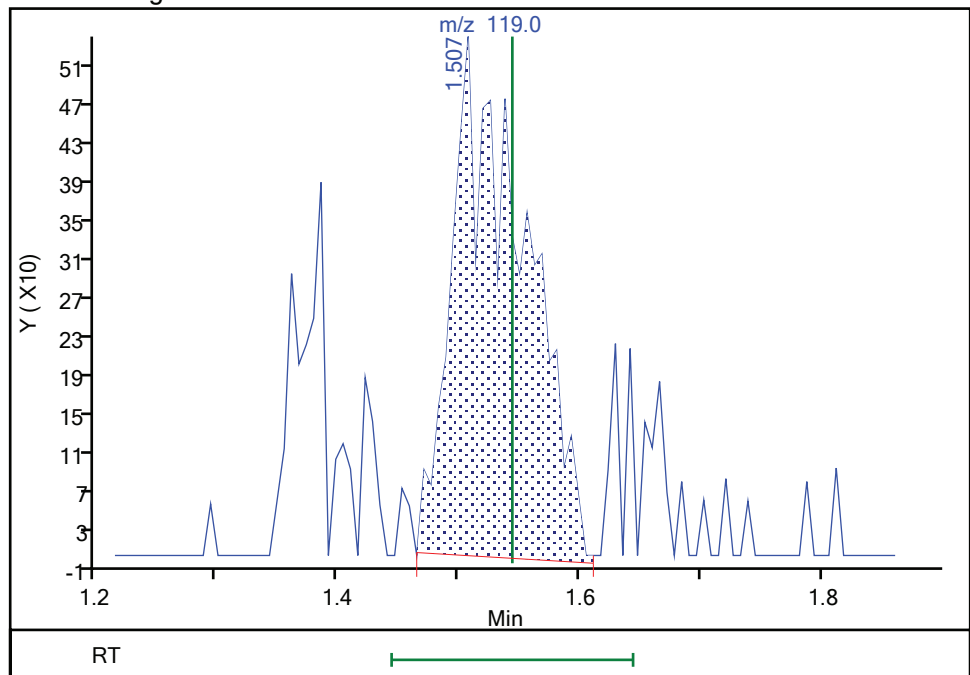
Not Detected

Expected RT: 1.54

Processing Integration Results



Manual Integration Results



RT: 1.51

Area: 2229

Amount: 6.176161

Amount Units: ug/l

Reviewer: baronm, 12-Jun-2020 17:41:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

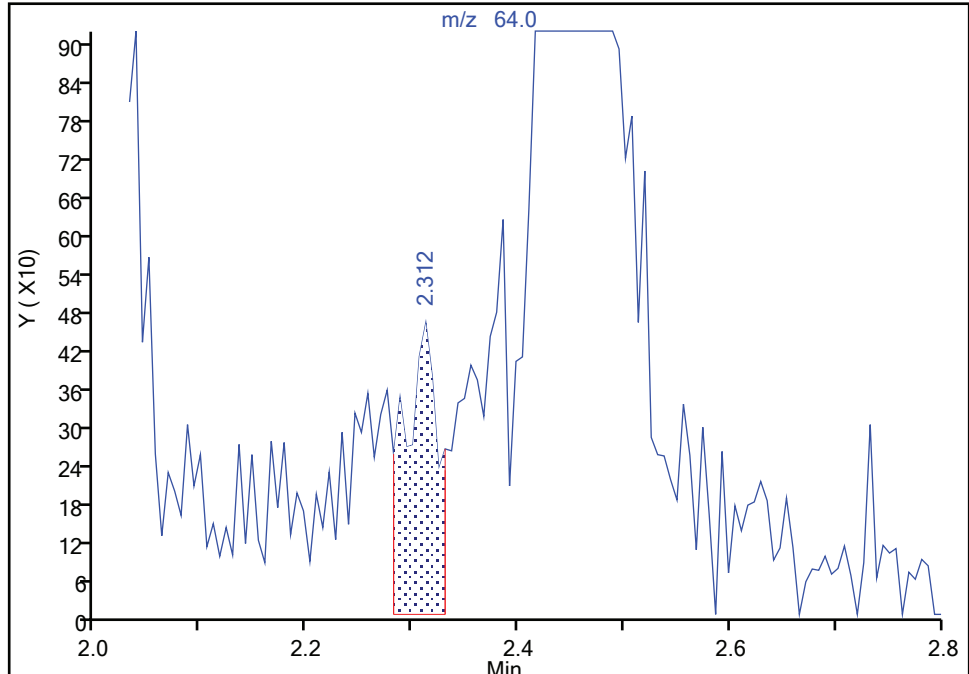
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D
Injection Date: 11-Jun-2020 02:52:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

10 Chloroethane, CAS: 75-00-3

Signal: 1

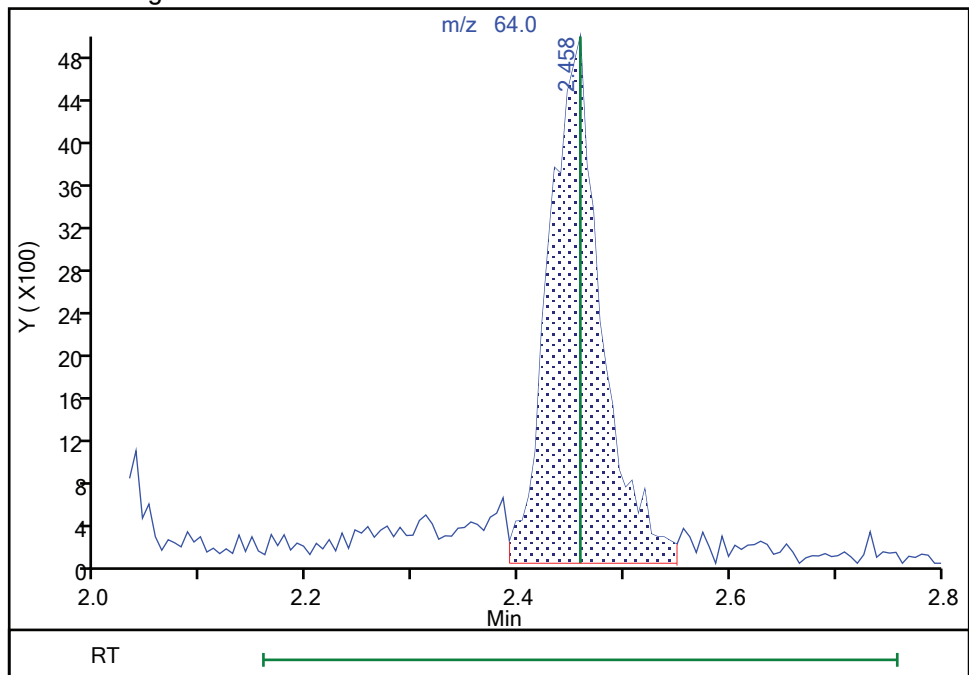
RT: 2.31
Area: 1037
Amount: 0.355891
Amount Units: ug/l

Processing Integration Results



RT: 2.46
Area: 17146
Amount: 5.326483
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:41:13
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

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

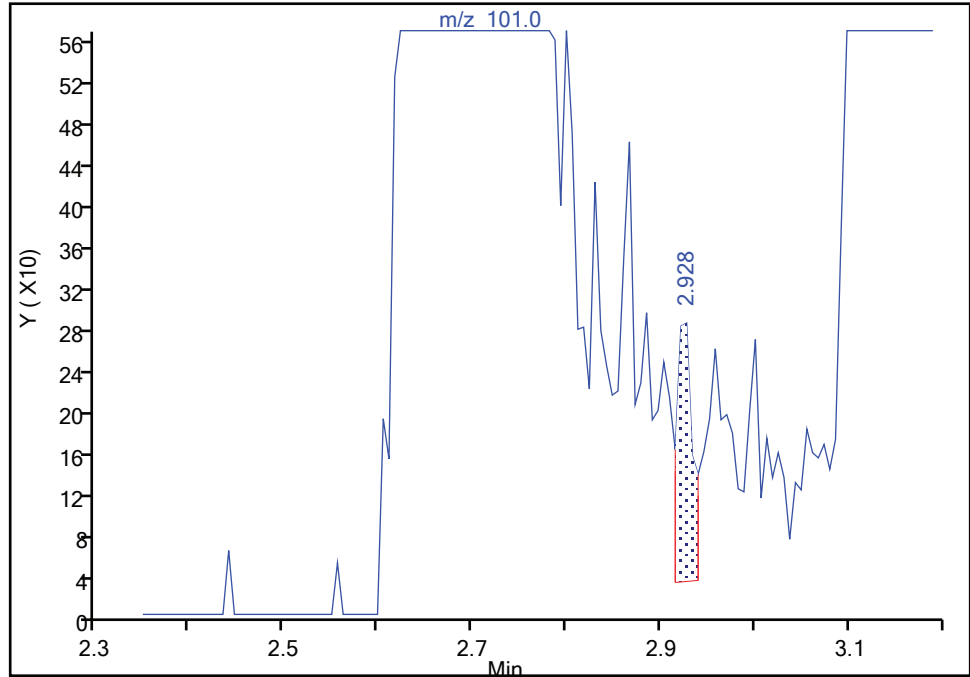
MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

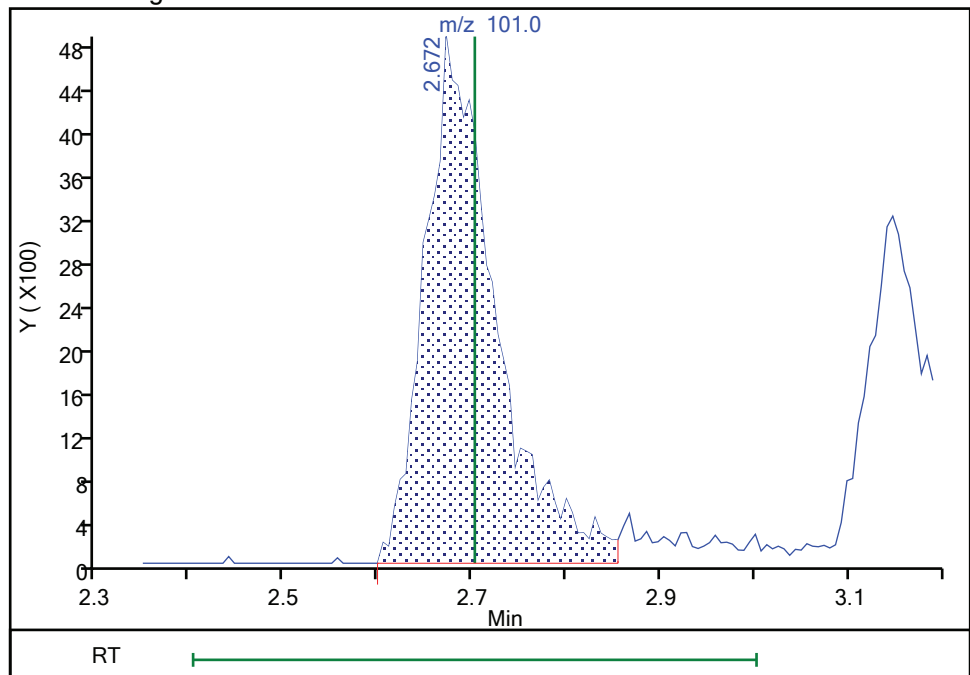
RT: 2.93
Area: 312
Amount: 0.074927
Amount Units: ug/l

Processing Integration Results



RT: 2.67
Area: 25407
Amount: 4.833162
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:41:19

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

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

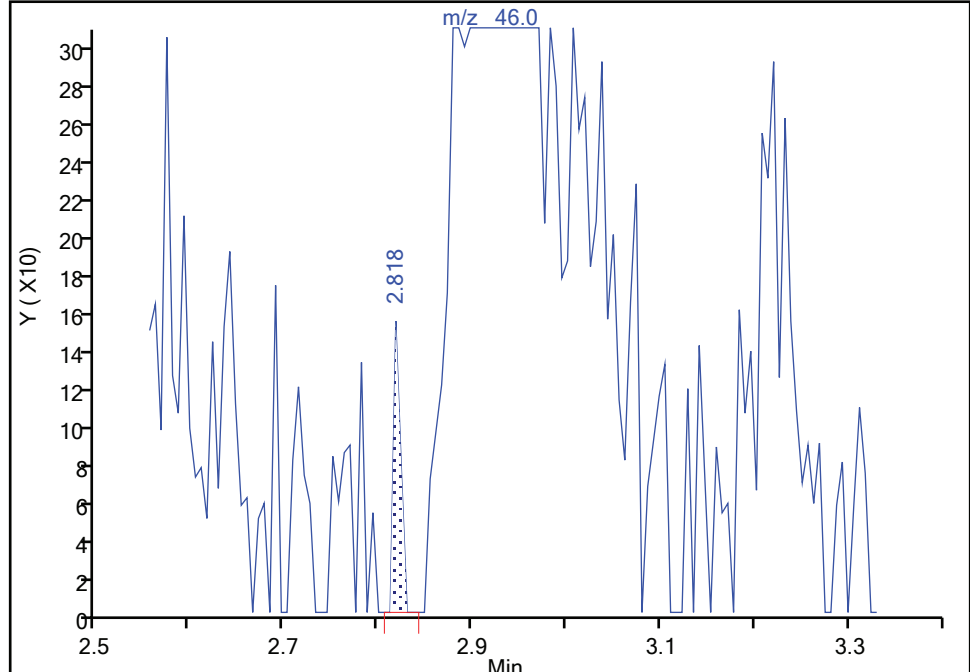
MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

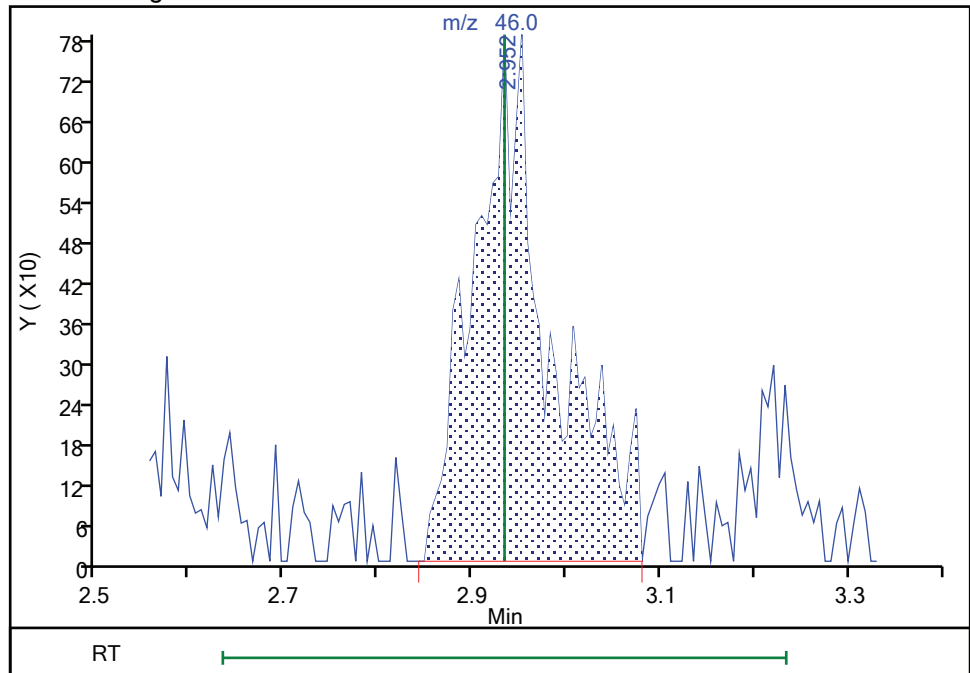
RT: 2.82
Area: 84
Amount: 5.837612
Amount Units: ug/l

Processing Integration Results



RT: 2.95
Area: 4465
Amount: 246.0286
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:41:25

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

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

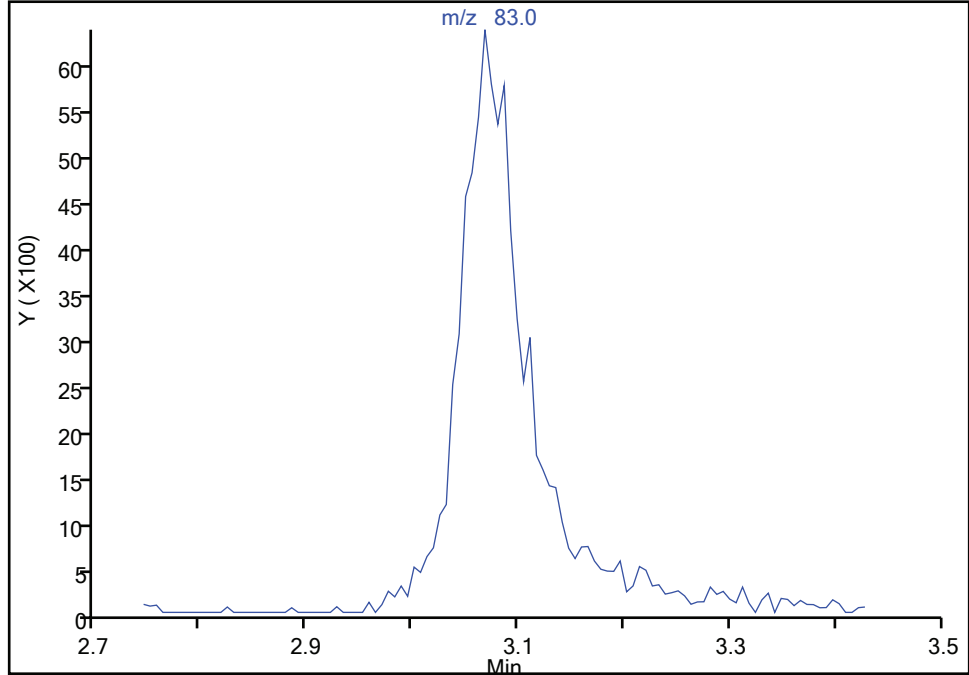
18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

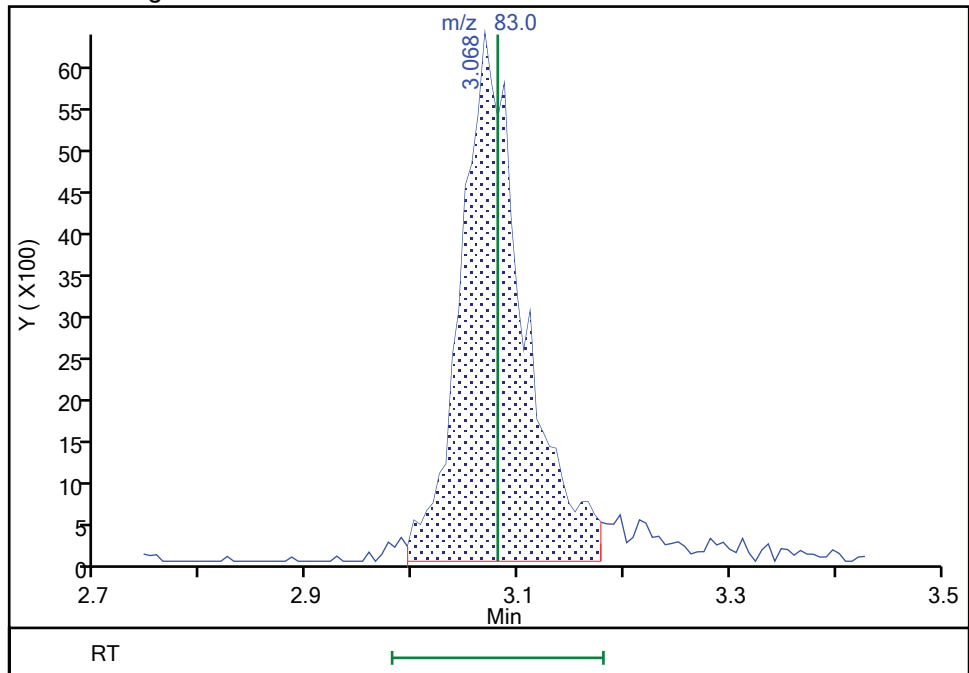
Not Detected

Expected RT: 3.08

Processing Integration Results



Manual Integration Results



RT: 3.07

Area: 26041

Amount: 4.805458

Amount Units: ug/l

Reviewer: baronm, 12-Jun-2020 17:41:33

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

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)

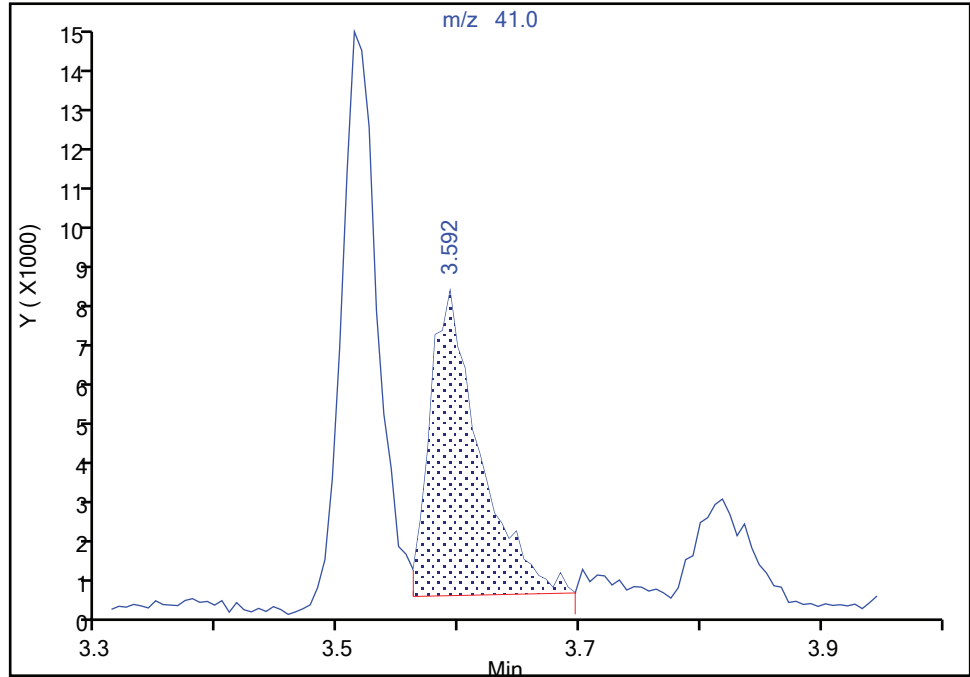
Detector: MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

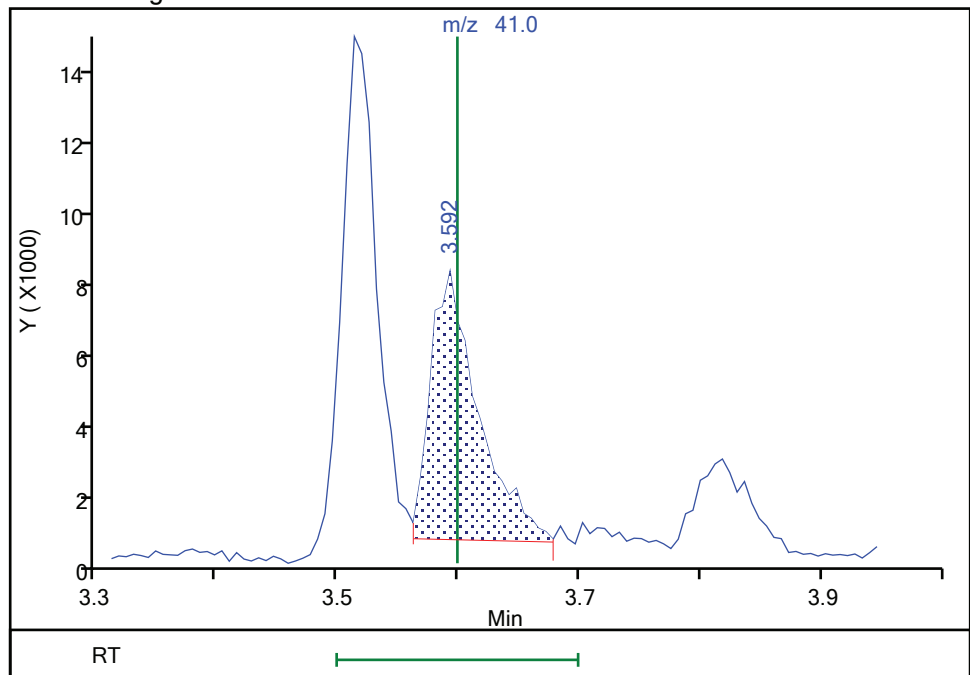
RT: 3.59
Area: 22271
Amount: 74.713768
Amount Units: ug/l

Processing Integration Results



RT: 3.59
Area: 20935
Amount: 56.985146
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:57:55

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

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

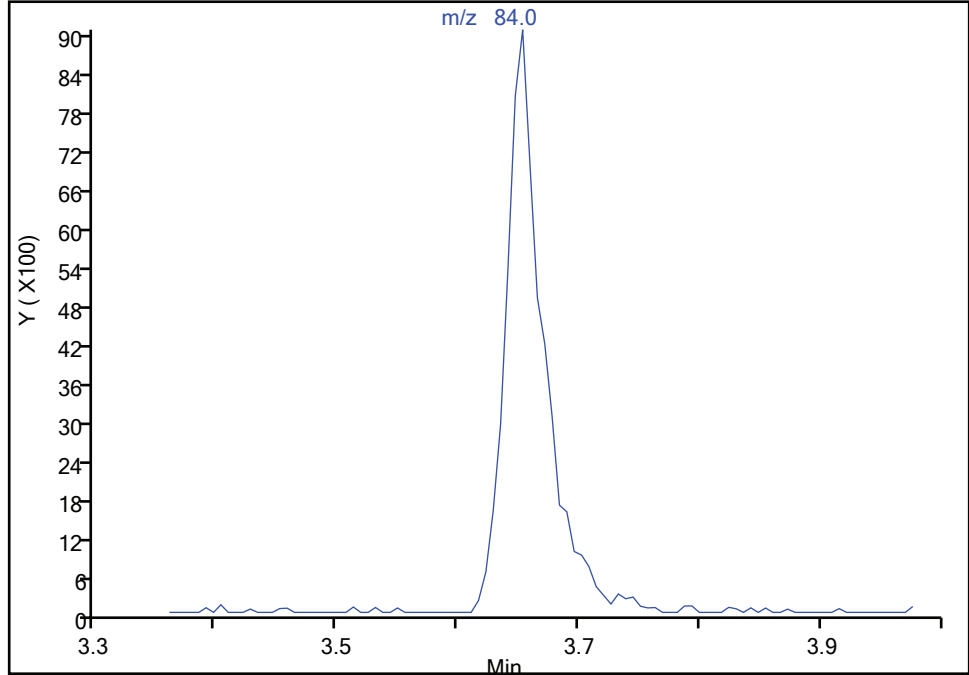
30 Methylene Chloride, CAS: 75-09-2

Signal: 1

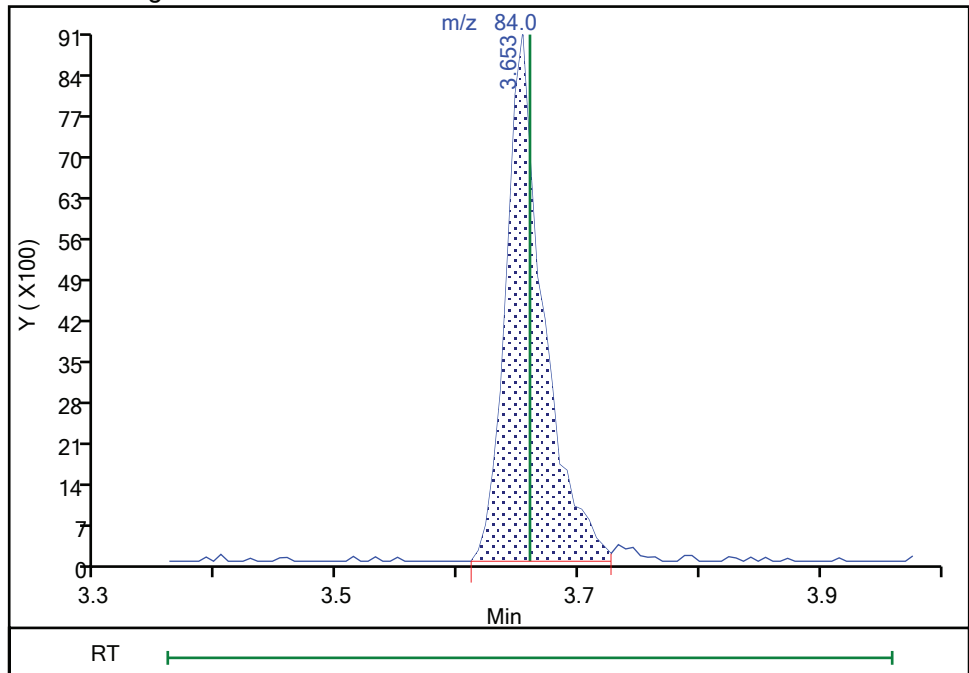
Not Detected

Expected RT: 3.66

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:41:44

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D

Injection Date: 11-Jun-2020 02:52:30

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

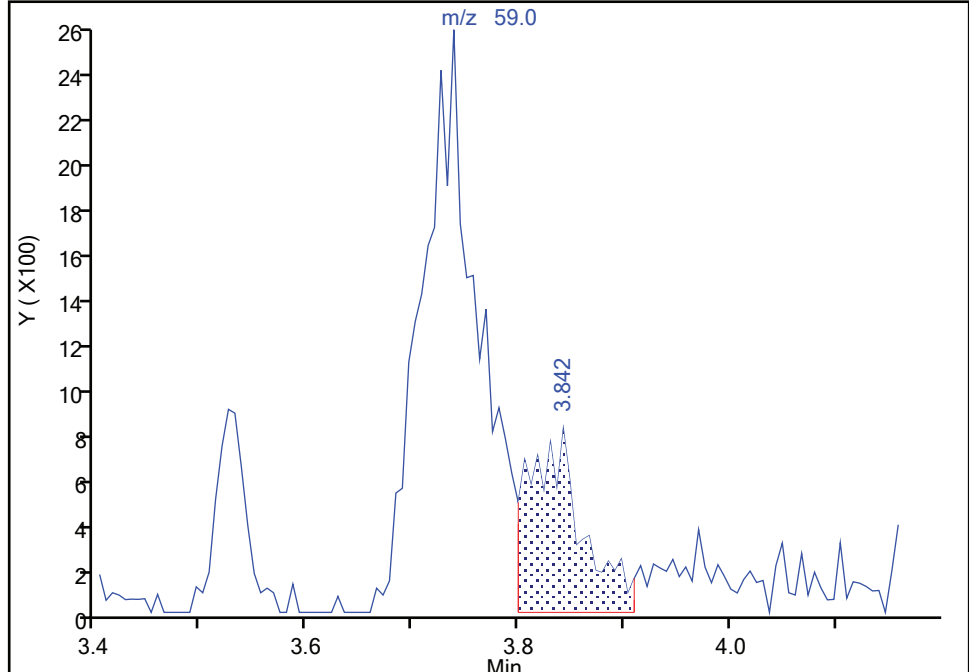
MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

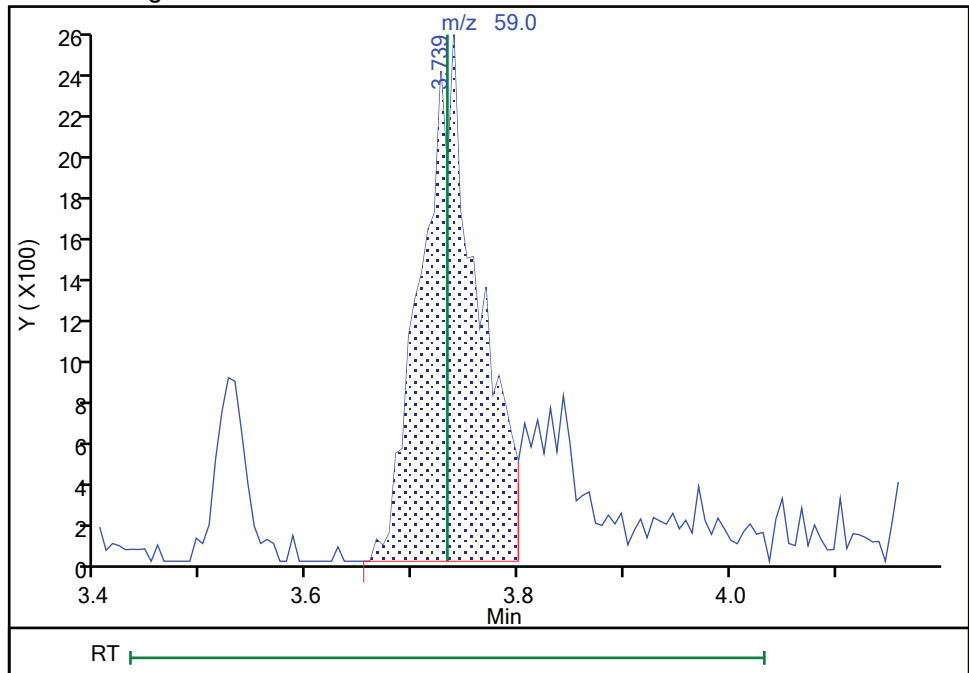
RT: 3.84
Area: 2832
Amount: 14.110879
Amount Units: ug/l

Processing Integration Results



RT: 3.74
Area: 9465
Amount: 42.077408
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:41:52

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

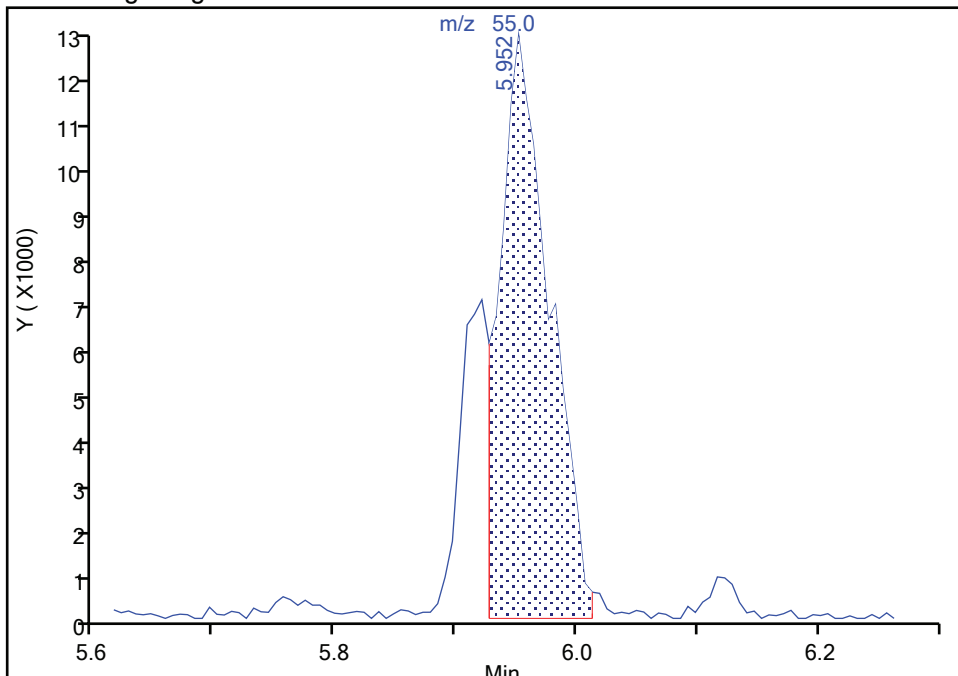
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D
Injection Date: 11-Jun-2020 02:52:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

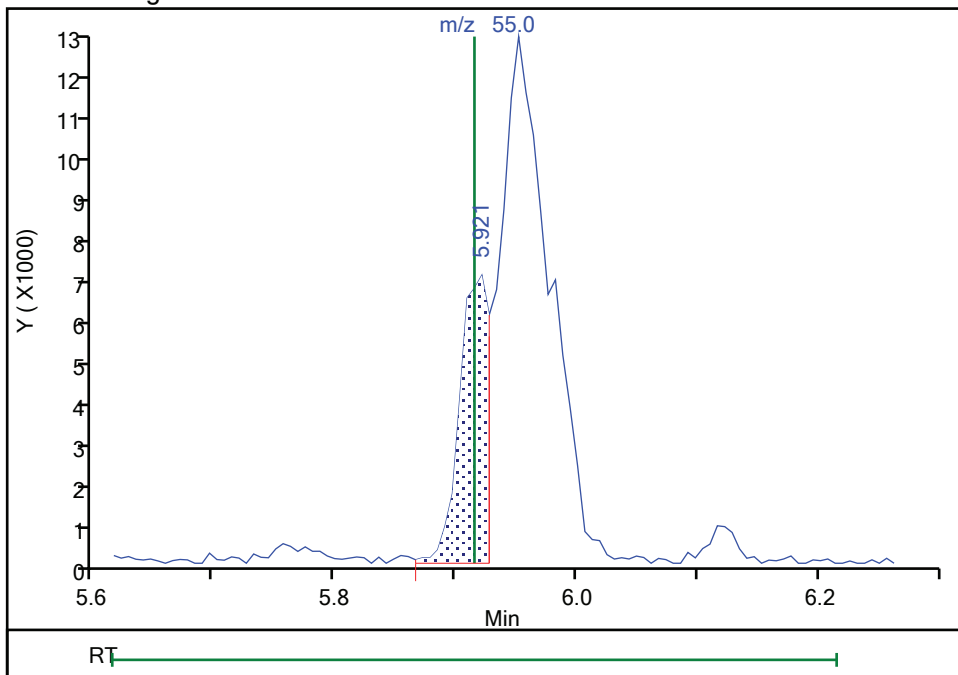
RT: 5.95
Area: 35236
Amount: 10.759003
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 11580
Amount: 3.559738
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:42:10

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 3
 Inject. Date: 11-Jun-2020 03:15:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0111447-006
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Jun-2020 18:46:32 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: boykink

Date: 11-Jun-2020 04:04:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.544	1.544	0.000	84	7875	20.0	22.1	
2 Chlorotrifluoroethene	116	1.642	1.642	0.000	62	32395	20.0	21.5	a
3 1,1-Difluoroethane	51	1.660	1.660	0.000	93	73944	20.0	20.7	
4 Dichlorodifluoromethane	85	1.684	1.684	0.000	81	101869	20.0	20.7	
5 Chlorodifluoromethane	51	1.709	1.709	0.000	98	85916	20.0	19.5	
6 Chloromethane	50	1.904	1.904	0.000	99	112317	20.0	19.1	
8 Vinyl chloride	62	2.013	2.013	0.000	98	106595	20.0	18.8	
7 Butadiene	39	2.026	2.026	0.000	96	89775	20.0	19.2	
9 Bromomethane	94	2.367	2.367	0.000	98	73128	20.0	18.8	
10 Chloroethane	64	2.465	2.465	0.000	99	57230	20.0	18.0	
11 Dichlorofluoromethane	67	2.684	2.684	0.000	92	128410	20.0	18.4	
12 Trichlorofluoromethane	101	2.696	2.696	0.000	73	96672	20.0	18.7	
13 Pentane	72	2.708	2.708	0.000	97	23649	40.0	34.9	
15 Ethanol	46	2.934	2.934	0.000	85	16025	800.0	724.0	
14 Ethyl ether	59	2.940	2.940	0.000	93	51855	20.0	18.6	
16 2-Methyl-1,3-butadiene	53	2.964	2.964	0.000	96	59858	20.0	18.6	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	3.019	3.019	0.000	80	67872	20.0	21.4	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	3.074	3.074	0.000	94	105752	20.0	19.8	a
19 Acrolein	56	3.135	3.135	0.000	93	6796	40.0	45.1	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.153	3.153	0.000	92	68152	20.0	19.2	
21 1,1-Dichloroethene	96	3.178	3.178	0.000	98	63491	20.0	18.9	
22 Acetone	58	3.275	3.275	0.000	88	32429	100.0	85.2	
23 Iodomethane	142	3.349	3.349	0.000	96	115351	20.0	18.8	
24 Carbon disulfide	76	3.385	3.385	0.000	99	248658	20.0	18.9	
25 Isopropyl alcohol	45	3.385	3.385	0.000	36	47157	200.0	241.5	
26 3-Chloro-1-propene	76	3.519	3.519	0.000	94	42122	20.0	17.6	
27 Methyl acetate	43	3.531	3.531	0.000	73	84688	40.0	36.4	
28 Cyclopentene	67	3.538	3.538	0.000	93	169287	20.0	19.0	
29 Acetonitrile	41	3.599	3.599	0.000	99	81552	200.0	182.0	
* 31 TBA-d9 (IS)	65	3.666	3.666	0.000	89	285585	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.653	3.653	0.000	93	77534	20.0	18.9	
32 2-Methyl-2-propanol	59	3.739	3.739	0.000	91	50307	200.0	183.4	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	98	151031	20.0	19.6	
34 trans-1,2-Dichloroethene	96	3.842	3.842	0.000	95	65667	20.0	18.6	
35 Acrylonitrile	53	3.922	3.922	0.000	95	245061	200.0	189.2	
36 Hexane	43	3.989	3.989	0.000	94	54393	20.0	19.9	
37 Isopropyl ether	45	4.196	4.196	0.000	96	200798	20.0	19.5	
38 1,1-Dichloroethane	63	4.226	4.226	0.000	99	106261	20.0	18.3	
39 Vinyl acetate	86	4.239	4.239	0.000	99	14865	40.0	31.2	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	91	53533	20.0	18.8	
41 Tert-butyl ethyl ether	59	4.489	4.489	0.000	90	158932	20.0	19.5	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	88	297211	250.0	250.0	
43 2,2-Dichloropropane	97	4.678	4.678	0.000	70	12973	20.0	16.0	
44 cis-1,2-Dichloroethene	96	4.690	4.690	0.000	96	67765	20.0	18.4	
45 Ethyl acetate	70	4.702	4.702	0.000	92	9856	40.0	34.2	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	97	34544	100.0	94.9	
47 Methyl acrylate	55	4.751	4.751	0.000	99	42447	20.0	18.3	
48 Propionitrile	54	4.824	4.824	0.000	99	91495	200.0	188.7	
49 Chlorobromomethane	128	4.885	4.885	0.000	85	31624	20.0	18.1	
50 Tetrahydrofuran	72	4.891	4.891	0.000	64	15334	40.0	37.6	
51 Methacrylonitrile	67	4.909	4.909	0.000	91	253625	200.0	198.3	
52 Chloroform	83	4.928	4.928	0.000	99	98467	20.0	18.9	
53 Cyclohexane	56	5.043	5.043	0.000	91	118056	20.0	19.8	
\$ 54 Dibromofluoromethane (Surr)	113	5.056	5.056	0.000	97	132592	50.0	49.9	
55 1,1,1-Trichloroethane	97	5.056	5.056	0.000	81	67488	20.0	17.8	
56 Carbon tetrachloride	117	5.153	5.153	0.000	97	39699	20.0	18.7	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	99	77485	20.0	18.7	
58 Isobutyl alcohol	43	5.251	5.251	0.000	95	21823	500.0	348.6	
59 Isooctane	57	5.299	5.299	0.000	98	217447	20.0	20.6	
60 Benzene	78	5.330	5.330	0.000	94	237313	20.0	19.9	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	87	147290	50.0	48.5	
62 Isopropyl acetate	43	5.354	5.354	0.000	97	140216	20.0	18.8	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	90	45714	20.0	18.5	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	96	68239	20.0	18.7	
65 n-Heptane	71	5.434	5.434	0.000	92	71189	20.0	18.3	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	571290	50.0	50.0	
67 n-Butanol	56	5.763	5.763	0.000	92	13684	500.0	358.1	
68 Trichloroethene	95	5.842	5.842	0.000	99	56308	20.0	18.1	
70 Ethyl acrylate	55	5.915	5.915	0.000	40	46639	20.0	14.4	a
69 Methylcyclohexane	83	5.952	5.952	0.000	97	112975	20.0	19.5	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	94	57118	20.0	18.1	
* 72 1,4-Dioxane-d8	96	6.122	6.122	0.000	94	35090	1000.0	1000.0	
73 Methyl methacrylate	100	6.129	6.129	0.000	85	22966	40.0	35.1	
74 n-Propyl acetate	43	6.165	6.165	0.000	97	58672	20.0	17.9	
76 1,4-Dioxane	88	6.177	6.177	0.000	35	15129	400.0	402.4	
75 Dibromomethane	93	6.202	6.202	0.000	96	34052	20.0	18.4	
77 Dichlorobromomethane	83	6.330	6.330	0.000	98	51469	20.0	17.4	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	95	34216	20.0	18.8	
79 2-Nitropropane	41	6.610	6.610	0.000	78	9574	40.0	40.8	
80 Epichlorohydrin	57	6.695	6.695	0.000	100	89369	400.0	372.1	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	92	61502	20.0	17.3	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	96	273378	100.0	103.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	100	498167	50.0	51.2	
84 Toluene	91	6.982	6.982	0.000	93	235757	20.0	20.1	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	49722	20.0	14.6	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	92	46556	20.0	18.0	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	96	38631	20.0	19.2	
88 Tetrachloroethene	166	7.384	7.384	0.000	97	51642	20.0	18.7	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	92	82332	20.0	19.9	
90 2-Hexanone	43	7.494	7.494	0.000	96	169935	100.0	100.0	
91 n-Butyl acetate	73	7.543	7.543	0.000	98	9919	20.0	15.9	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	28010	20.0	17.0	
93 Ethylene Dibromide	107	7.720	7.720	0.000	97	38208	20.0	18.4	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	86	384875	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	97	141597	20.0	19.5	
96 Ethylbenzene	106	8.061	8.061	0.000	98	83501	20.0	19.5	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	82	31258	20.0	18.7	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	99	101986	20.0	19.7	
99 n-Butyl acrylate	73	8.335	8.335	0.000	97	23222	20.0	14.1	
100 o-Xylene	106	8.390	8.390	0.000	94	103490	20.0	19.7	
101 Styrene	104	8.402	8.402	0.000	95	162657	20.0	20.1	
102 Amyl acetate (mixed isomers)	43	8.470	8.470	0.000	90	61689	20.0	13.8	
103 Bromoform	173	8.543	8.543	0.000	94	14960	20.0	18.3	
104 Isopropylbenzene	105	8.591	8.591	0.000	95	275658	20.0	19.9	
\$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	89	142924	50.0	50.8	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	63017	20.0	19.2	
107 Bromobenzene	156	8.811	8.811	0.000	97	61126	20.0	19.1	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	331276	20.0	20.2	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	67	13858	20.0	17.7	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	92	18792	20.0	19.5	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	287570	20.0	20.7	
112 2-Chlorotoluene	91	8.908	8.908	0.000	96	241182	20.0	20.3	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	93	239649	20.0	20.2	
114 Butyl Methacrylate	87	8.957	8.957	0.000	88	50268	20.0	12.8	
115 4-Chlorotoluene	91	8.969	8.969	0.000	98	190719	20.0	20.8	
116 tert-Butylbenzene	119	9.110	9.110	0.000	94	179888	20.0	19.8	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	98	240129	20.0	19.8	
118 sec-Butylbenzene	105	9.232	9.232	0.000	99	302755	20.0	19.9	
119 4-Isopropyltoluene	119	9.311	9.311	0.000	98	257179	20.0	19.8	
120 1,3-Dichlorobenzene	146	9.341	9.341	0.000	96	125599	20.0	19.8	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	97	209761	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.396	9.396	0.000	72	126500	20.0	19.6	
123 1,2,3-Trimethylbenzene	105	9.396	9.396	0.000	97	256475	20.0	19.7	
124 Benzyl chloride	91	9.475	9.475	0.000	98	45539	20.0	18.1	
125 2,3-Dihydroindene	117	9.530	9.530	0.000	92	273440	20.0	19.9	
126 p-Diethylbenzene	119	9.536	9.536	0.000	92	154879	20.0	20.1	
127 n-Butylbenzene	92	9.555	9.555	0.000	98	149651	20.0	20.5	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	96	130333	20.0	19.7	
129 1,2,4,5-Tetramethylbenzene	119	10.048	10.048	0.000	98	245547	20.0	20.7	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	79	4953	20.0	12.6	
131 1,3,5-Trichlorobenzene	180	10.262	10.262	0.000	97	106105	20.0	20.3	
132 1,2,4-Trichlorobenzene	180	10.774	10.774	0.000	94	78567	20.0	19.3	
133 Hexachlorobutadiene	225	10.847	10.847	0.000	95	37147	20.0	19.1	
134 Naphthalene	128	11.018	11.018	0.000	99	149442	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.243	11.243	0.000	96	51645	20.0	19.6	
S 136 1,2-Dichloroethene, Total	100				0		40.0	37.0	
S 137 Xylenes, Total	100				0		40.0	39.4	
S 138 Total BTEX	1				0		100.0	98.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00119	Amount Added: 20.00	Units: uL	
524freon_00023	Amount Added: 20.00	Units: uL	
ACROLEIN W_00107	Amount Added: 4.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D

Injection Date: 11-Jun-2020 03:15:30

Lims ID: STD20

Client ID:

Purge Vol: 5.000 mL

Method: 8260624W 1

Column: Rtx-624 (0.25 mm)

Dil. Factor: 1.0000

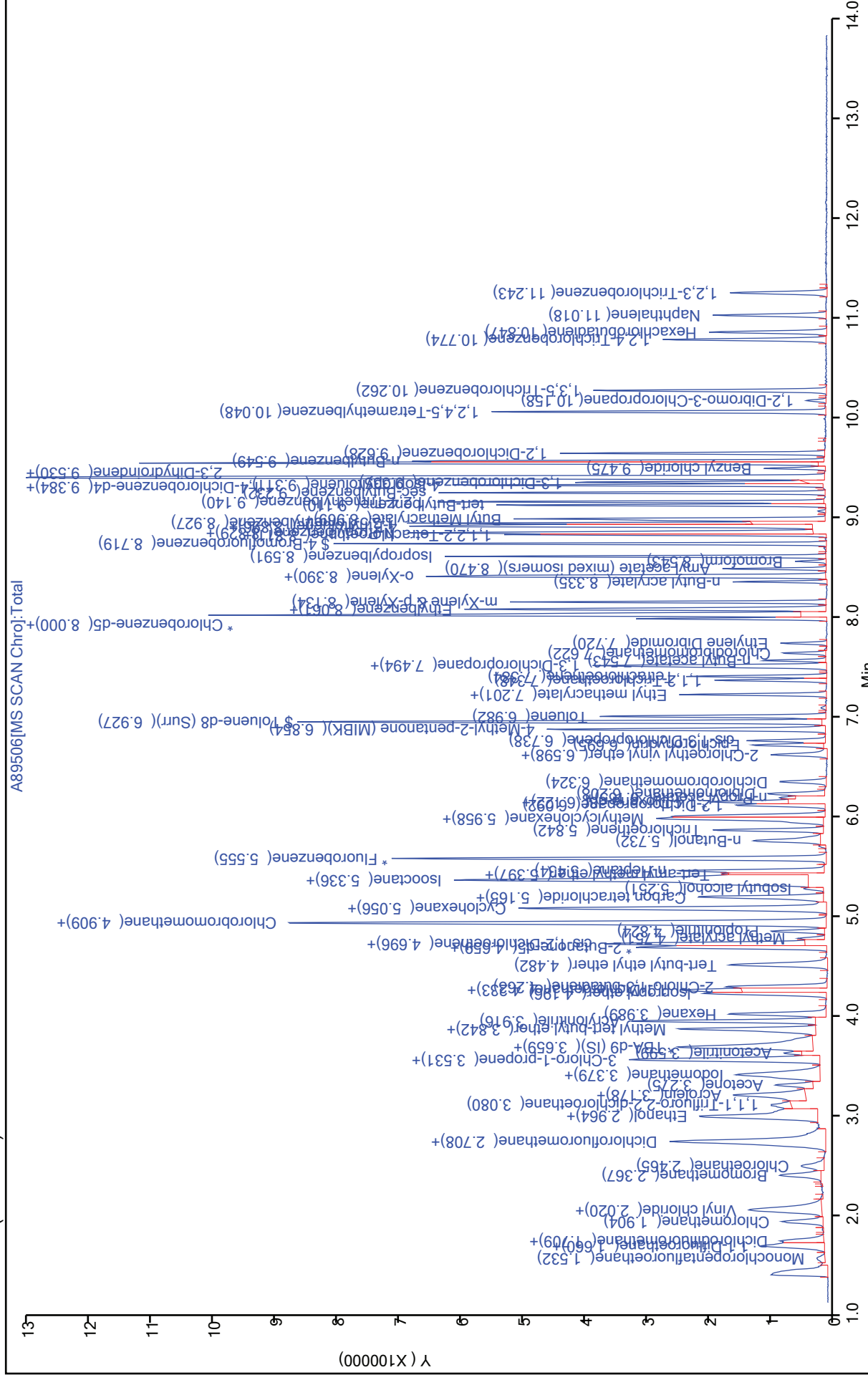
Limit Group: VOA - 8260C Water and Solid

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Worklist Smp#:

ALS Bottle#: 5



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D

Injection Date: 11-Jun-2020 03:15:30

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

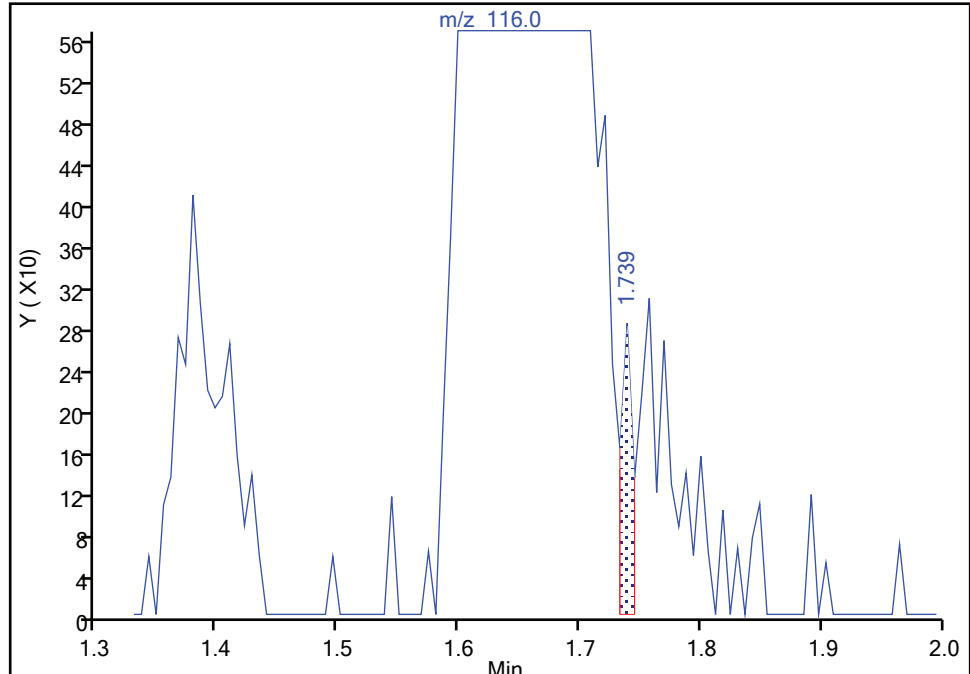
MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

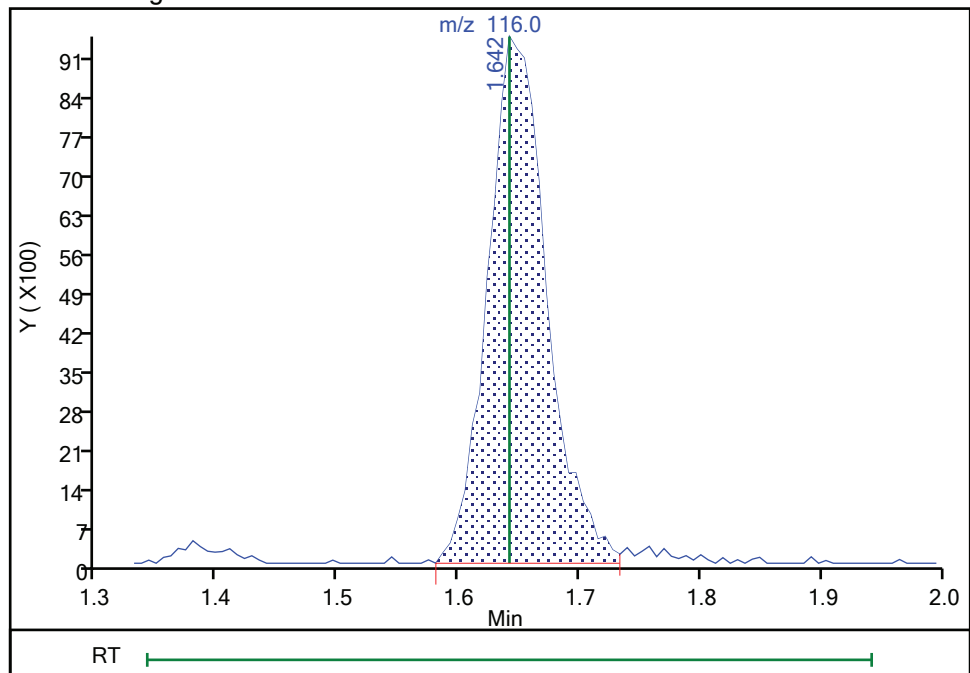
RT: 1.74
Area: 210
Amount: 0.161428
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 32395
Amount: 21.516054
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:56:42

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D

Injection Date: 11-Jun-2020 03:15:30

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

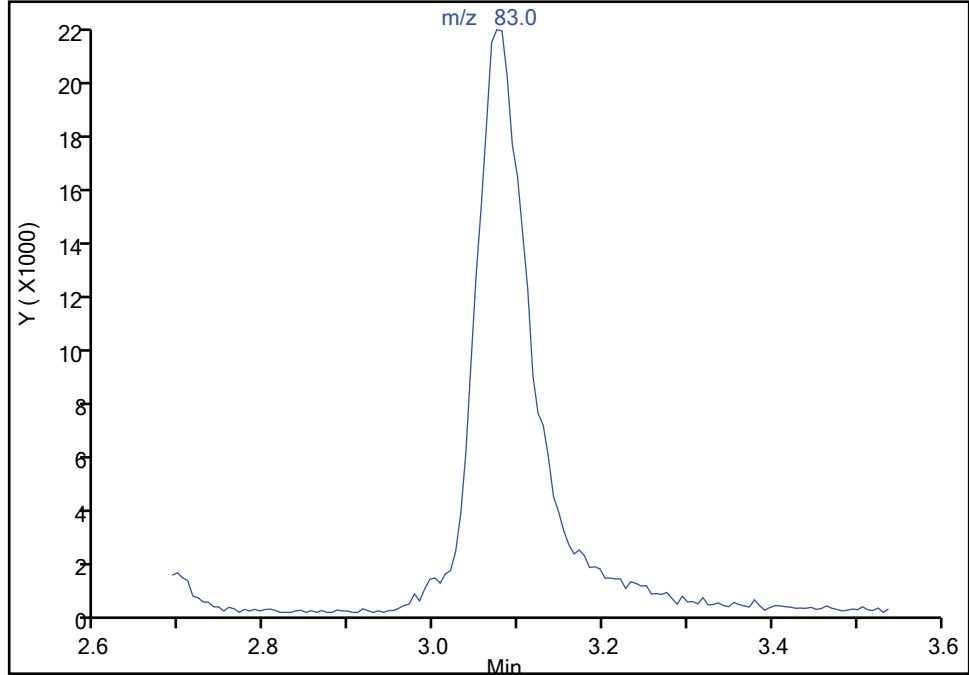
18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

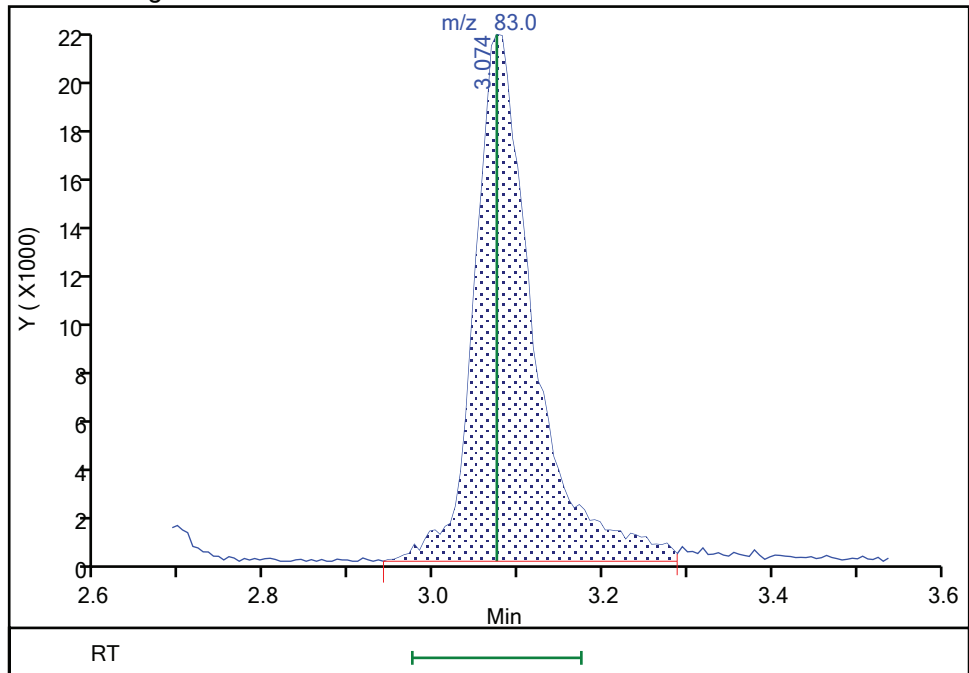
Not Detected

Expected RT: 3.07

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 105752
Amount: 19.806320
Amount Units: ug/l

Reviewer: baronm, 12-Jun-2020 17:33:15

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D

Injection Date: 11-Jun-2020 03:15:30

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

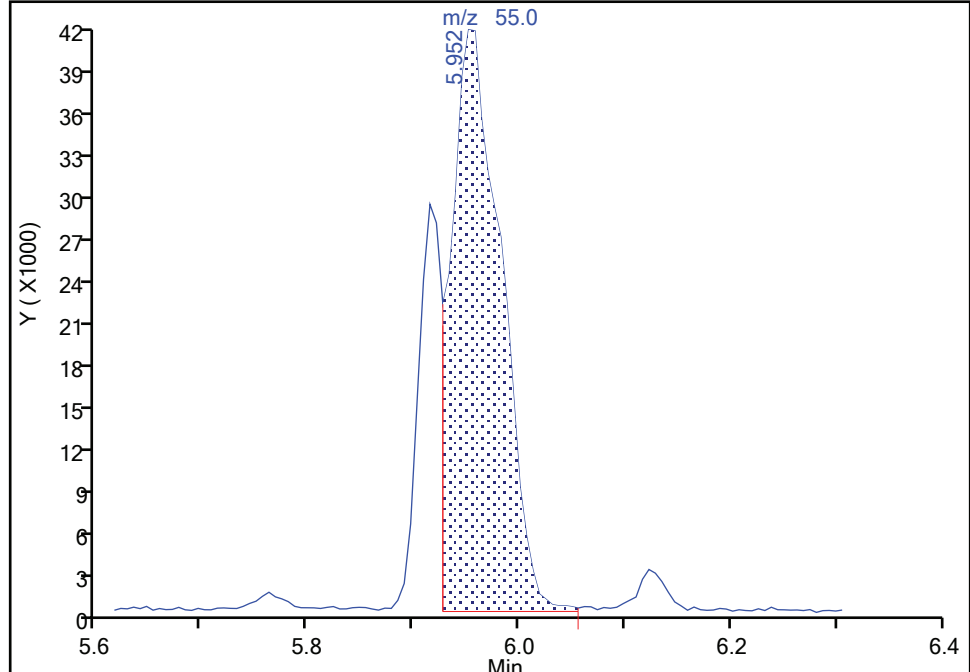
MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

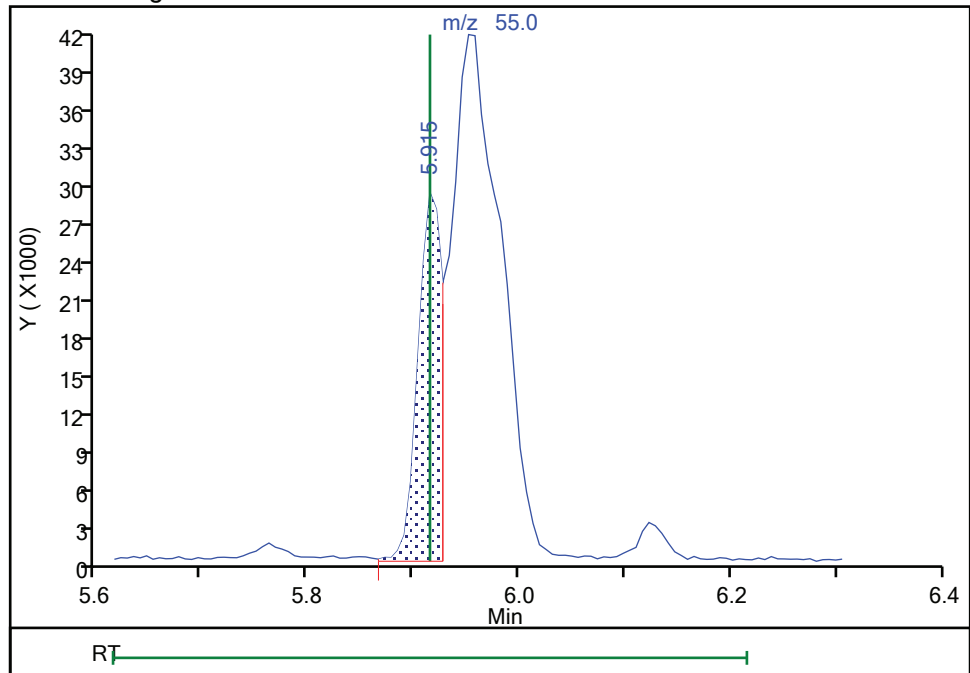
RT: 5.95
Area: 137882
Amount: 48.361640
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 46639
Amount: 14.449698
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:33:34

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89507.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Jun-2020 03:39:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0111447-007
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Jun-2020 18:46:48 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: boykink

Date: 11-Jun-2020 04:00:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.544	1.544	0.000	97	20853	50.0	57.2	
2 Chlorotrifluoroethene	116	1.654	1.654	0.000	63	78098	50.0	50.6	
3 1,1-Difluoroethane	51	1.660	1.660	0.000	93	188394	50.0	51.4	
4 Dichlorodifluoromethane	85	1.696	1.696	0.000	100	259424	50.0	51.3	
5 Chlorodifluoromethane	51	1.715	1.715	0.000	98	242137	50.0	53.6	
6 Chloromethane	50	1.904	1.904	0.000	99	309367	50.0	51.4	
8 Vinyl chloride	62	2.013	2.013	0.000	98	288669	50.0	49.6	
7 Butadiene	39	2.032	2.032	0.000	96	241735	50.0	50.4	
9 Bromomethane	94	2.367	2.367	0.000	98	195060	50.0	48.8	
10 Chloroethane	64	2.458	2.458	0.000	99	162014	50.0	49.8	
11 Dichlorofluoromethane	67	2.684	2.684	0.000	98	348933	50.0	48.9	
12 Trichlorofluoromethane	101	2.702	2.702	0.000	62	258977	50.0	48.8	a
13 Pentane	72	2.714	2.714	0.000	98	57982	100.0	82.9	
15 Ethanol	46	2.934	2.934	0.000	80	40946	2000.0	1790.1	
14 Ethyl ether	59	2.946	2.946	0.000	93	140383	50.0	49.1	
16 2-Methyl-1,3-butadiene	53	2.971	2.971	0.000	95	157746	50.0	47.9	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	3.013	3.013	0.000	86	160903	50.0	49.6	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	3.080	3.080	0.000	91	279046	50.0	51.0	a
19 Acrolein	56	3.135	3.135	0.000	41	16839	100.0	109.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.160	3.160	0.000	92	172437	50.0	47.3	
21 1,1-Dichloroethene	96	3.184	3.184	0.000	97	180778	50.0	52.4	
22 Acetone	58	3.275	3.275	0.000	88	83859	250.0	206.9	
23 Iodomethane	142	3.355	3.355	0.000	97	314054	50.0	49.9	
24 Carbon disulfide	76	3.385	3.385	0.000	99	695544	50.0	51.5	
25 Isopropyl alcohol	45	3.385	3.385	0.000	35	120573	500.0	589.7	
26 3-Chloro-1-propene	76	3.525	3.525	0.000	94	122262	50.0	49.8	
27 Methyl acetate	43	3.537	3.537	0.000	99	241535	100.0	101.3	
28 Cyclopentene	67	3.544	3.544	0.000	94	466363	50.0	51.2	
29 Acetonitrile	41	3.598	3.598	0.000	98	215289	500.0	465.0	
30 Methylene Chloride	84	3.659	3.659	0.000	92	209341	50.0	49.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.659	3.659	0.000	97	295113	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.733	3.733	0.000	99	130054	500.0	458.7	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	97	391678	50.0	49.5	
34 trans-1,2-Dichloroethene	96	3.842	3.842	0.000	95	175765	50.0	48.7	
35 Acrylonitrile	53	3.922	3.922	0.000	95	667046	500.0	502.4	
36 Hexane	43	3.995	3.995	0.000	92	131831	50.0	47.1	
37 Isopropyl ether	45	4.196	4.196	0.000	97	548434	50.0	52.0	
38 1,1-Dichloroethane	63	4.232	4.232	0.000	100	294433	50.0	49.5	
39 Vinyl acetate	86	4.239	4.239	0.000	99	46744	100.0	95.1	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	90	149115	50.0	51.1	
41 Tert-butyl ethyl ether	59	4.489	4.489	0.000	90	431637	50.0	51.7	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	93	316630	250.0	250.0	
43 2,2-Dichloropropane	97	4.690	4.690	0.000	94	38820	50.0	46.8	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	98	188121	50.0	49.7	
45 Ethyl acetate	70	4.708	4.708	0.000	95	28328	100.0	92.4	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	97	89452	250.0	230.8	
47 Methyl acrylate	55	4.751	4.751	0.000	99	121314	50.0	51.1	
48 Propionitrile	54	4.824	4.824	0.000	98	240929	500.0	480.9	
49 Chlorobromomethane	128	4.891	4.891	0.000	85	87270	50.0	48.7	
50 Tetrahydrofuran	72	4.891	4.891	0.000	64	42365	100.0	97.6	
51 Methacrylonitrile	67	4.909	4.909	0.000	91	678974	500.0	517.7	
52 Chloroform	83	4.927	4.927	0.000	99	270035	50.0	50.4	
53 Cyclohexane	56	5.043	5.043	0.000	91	290257	50.0	47.4	
\$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	97	135848	50.0	49.8	
55 1,1,1-Trichloroethane	97	5.055	5.055	0.000	97	188107	50.0	48.3	
56 Carbon tetrachloride	117	5.153	5.153	0.000	98	121537	50.0	53.2	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	98	209431	50.0	49.4	
58 Isobutyl alcohol	43	5.251	5.251	0.000	92	75750	1250.0	1106.2	
59 Isooctane	57	5.299	5.299	0.000	99	532013	50.0	49.1	
60 Benzene	78	5.336	5.336	0.000	96	645777	50.0	51.6	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	98	153784	50.0	49.4	
62 Isopropyl acetate	43	5.354	5.354	0.000	98	414230	50.0	54.0	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	92	131319	50.0	52.0	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	97	191287	50.0	51.2	
65 n-Heptane	71	5.433	5.433	0.000	92	191287	50.0	48.1	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	585737	50.0	50.0	
67 n-Butanol	56	5.763	5.763	0.000	88	45096	1250.0	1082.1	
68 Trichloroethene	95	5.842	5.842	0.000	99	155459	50.0	48.6	
70 Ethyl acrylate	55	5.915	5.915	0.000	97	164841	50.0	48.7	a
69 Methylcyclohexane	83	5.952	5.952	0.000	96	281295	50.0	47.4	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	87	162444	50.0	50.1	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	97	37329	1000.0	1000.0	
73 Methyl methacrylate	100	6.128	6.128	0.000	88	71123	100.0	106.1	
74 n-Propyl acetate	43	6.165	6.165	0.000	99	182194	50.0	54.2	
76 1,4-Dioxane	88	6.177	6.177	0.000	89	39378	1000.0	984.5	
75 Dibromomethane	93	6.202	6.202	0.000	98	92017	50.0	48.4	
77 Dichlorobromomethane	83	6.330	6.330	0.000	99	151963	50.0	50.0	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	96	94038	50.1	50.4	
79 2-Nitropropane	41	6.610	6.610	0.000	75	25228	100.0	104.3	
80 Epichlorohydrin	57	6.695	6.695	0.000	99	263396	1000.0	1029.4	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	92	193706	50.0	51.8	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	96	750208	250.0	265.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	99	523661	50.0	51.2	
84 Toluene	91	6.982	6.982	0.000	94	633262	50.0	51.3	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	91	148022	50.0	54.4	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	161658	50.0	45.8	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	109058	50.0	51.7	
88 Tetrachloroethene	166	7.390	7.390	0.000	98	143523	50.0	49.4	
89 1,3-Dichloropropane	76	7.476	7.476	0.000	98	220257	50.0	50.6	
90 2-Hexanone	43	7.494	7.494	0.000	97	461279	250.0	254.9	
91 n-Butyl acetate	73	7.543	7.543	0.000	99	33582	50.0	50.3	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	88081	50.0	50.8	
93 Ethylene Dibromide	107	7.720	7.720	0.000	100	116167	50.0	53.1	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	89	404594	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	98	386711	50.0	50.5	
96 Ethylbenzene	106	8.061	8.061	0.000	98	226860	50.0	50.4	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	89	99186	50.0	53.7	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	275095	50.0	50.6	
99 n-Butyl acrylate	73	8.335	8.335	0.000	98	82388	50.0	46.5	
100 o-Xylene	106	8.384	8.384	0.000	94	289451	50.0	52.3	
101 Styrene	104	8.402	8.402	0.000	96	448936	50.0	52.7	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	91	218908	50.0	47.6	
103 Bromoform	173	8.543	8.543	0.000	96	47608	50.0	52.0	
104 Isopropylbenzene	105	8.591	8.591	0.000	96	747559	50.0	51.3	
\$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	90	147248	50.0	49.8	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	175565	50.0	52.1	
107 Bromobenzene	156	8.811	8.811	0.000	98	163192	50.0	49.6	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	886100	50.0	52.6	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	72	38240	50.0	47.5	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	96	50301	50.0	50.9	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	719459	50.0	50.5	
112 2-Chlorotoluene	91	8.908	8.908	0.000	96	658178	50.0	53.8	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	93	646711	50.0	53.0	
114 Butyl Methacrylate	87	8.951	8.951	0.000	90	181872	50.0	44.7	
115 4-Chlorotoluene	91	8.969	8.969	0.000	98	500217	50.0	53.1	
116 tert-Butylbenzene	119	9.103	9.103	0.000	94	517632	50.0	55.4	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	97	654006	50.0	52.4	
118 sec-Butylbenzene	105	9.231	9.231	0.000	99	839231	50.0	53.7	
119 4-Isopropyltoluene	119	9.305	9.305	0.000	98	700518	50.0	52.6	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	96	329028	50.0	50.4	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	96	215525	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.390	0.000	73	333873	50.0	50.3	
123 1,2,3-Trimethylbenzene	105	9.396	9.396	0.000	98	697459	50.0	52.0	
124 Benzyl chloride	91	9.475	9.475	0.000	98	143297	50.0	52.1	
125 2,3-Dihydroindene	117	9.524	9.524	0.000	93	720005	50.0	50.9	
126 p-Diethylbenzene	119	9.530	9.530	0.000	93	419410	50.0	52.9	
127 n-Butylbenzene	92	9.549	9.549	0.000	98	390448	50.0	52.2	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	96	342257	50.0	50.2	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.042	0.000	97	673719	50.0	55.4	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	87	17333	50.0	42.2	
131 1,3,5-Trichlorobenzene	180	10.256	10.256	0.000	97	275215	50.0	51.2	
132 1,2,4-Trichlorobenzene	180	10.768	10.768	0.000	94	214691	50.0	51.4	
133 Hexachlorobutadiene	225	10.847	10.847	0.000	96	101799	50.0	51.1	
134 Naphthalene	128	11.018	11.018	0.000	99	425236	50.0	55.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.243	11.243	0.000	96	147465	50.0	54.4	
S 136 1,2-Dichloroethene, Total	100				0		100.0	98.4	
S 137 Xylenes, Total	100				0		100.0	102.9	
S 138 Total BTEX	1				0		250.0	256.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added: 50.00	Units: uL	
8260MIX1COMB_00119	Amount Added: 50.00	Units: uL	
524freon_00023	Amount Added: 50.00	Units: uL	
ACROLEIN W_00107	Amount Added: 10.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89507.D

Injection Date: 11-Jun-2020 03:39:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD50

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

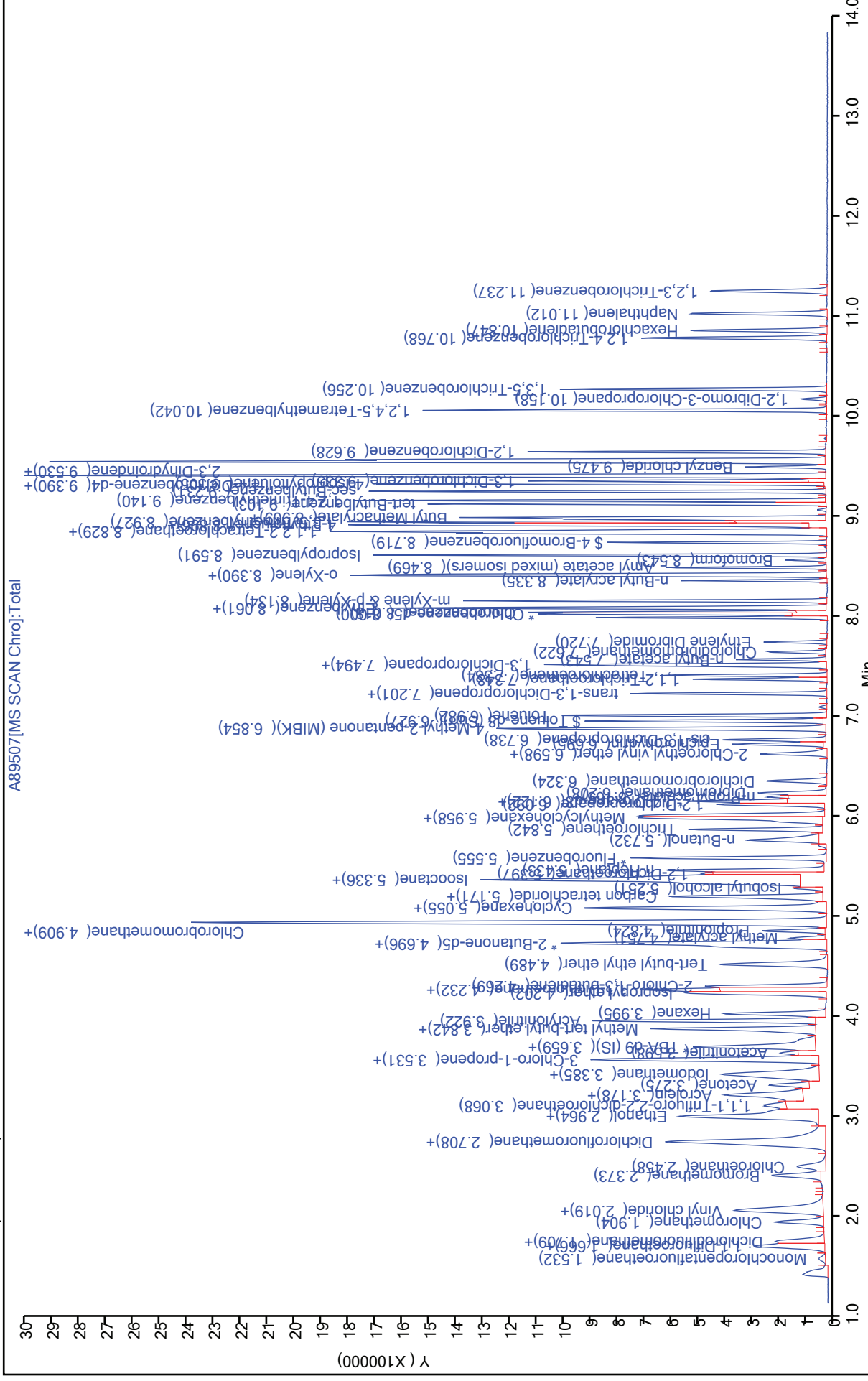
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89507.D

Injection Date: 11-Jun-2020 03:39:30

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

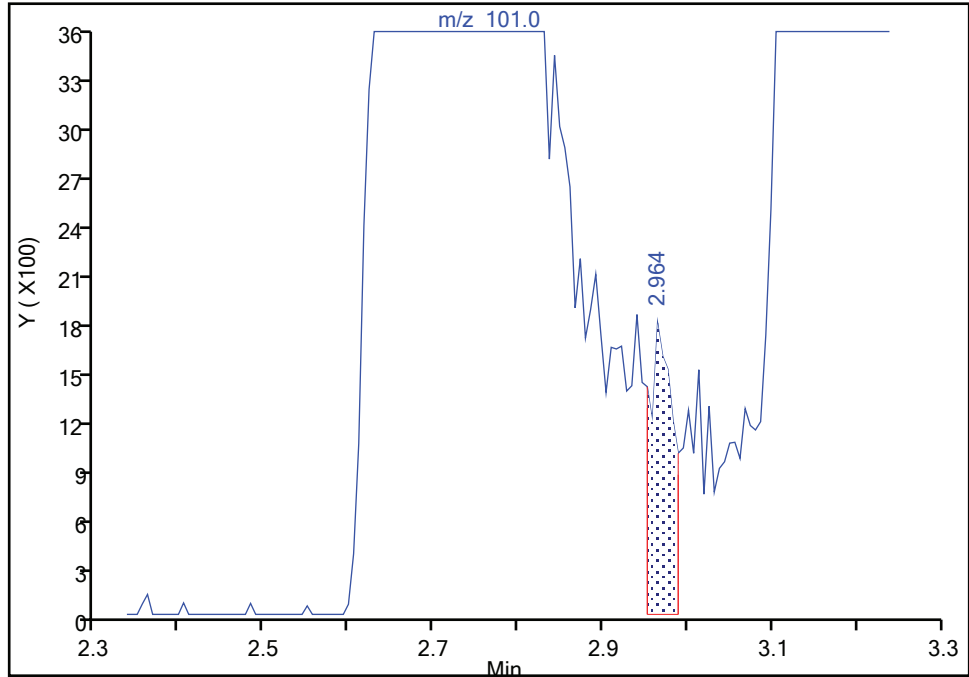
MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

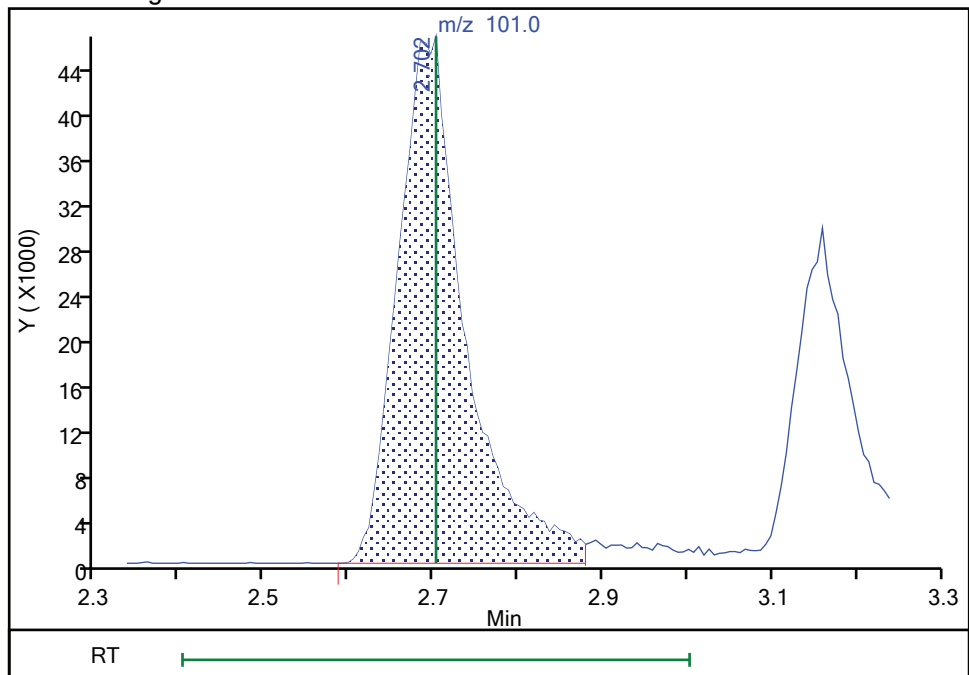
RT: 2.96
Area: 3453
Amount: 0.822181
Amount Units: ug/l

Processing Integration Results



RT: 2.70
Area: 258977
Amount: 48.767581
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:35:37

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89507.D

Injection Date: 11-Jun-2020 03:39:30

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

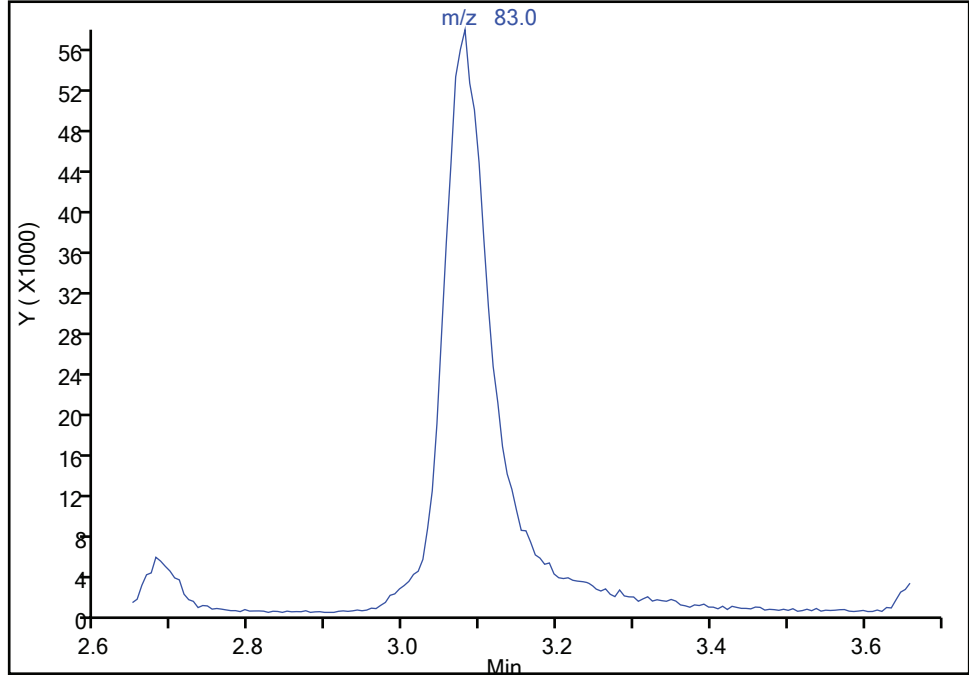
18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

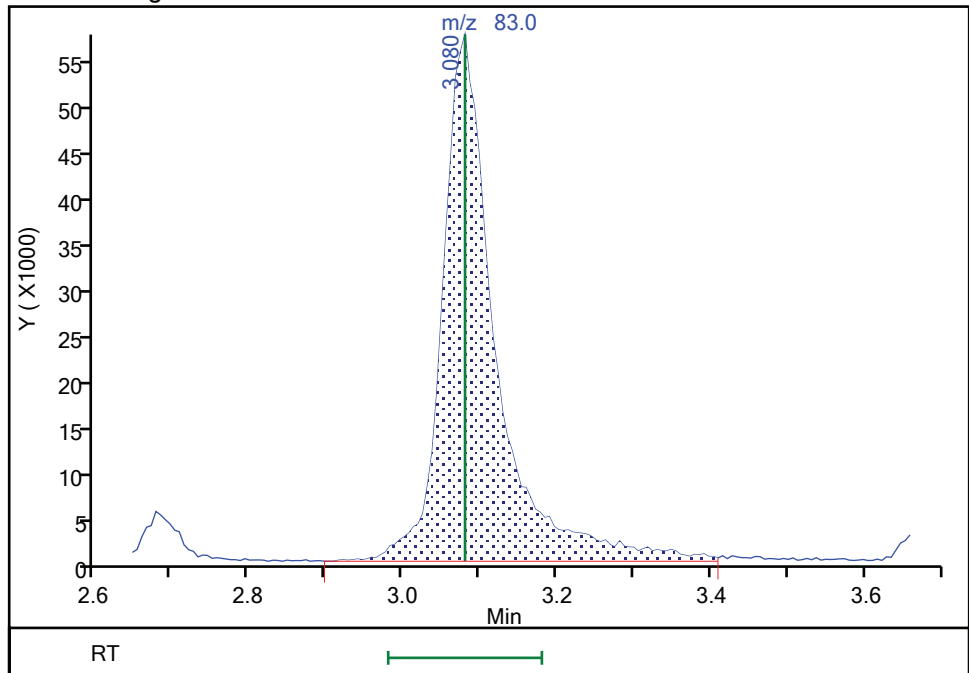
Not Detected

Expected RT: 3.08

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:35:45

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89507.D

Injection Date: 11-Jun-2020 03:39:30

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

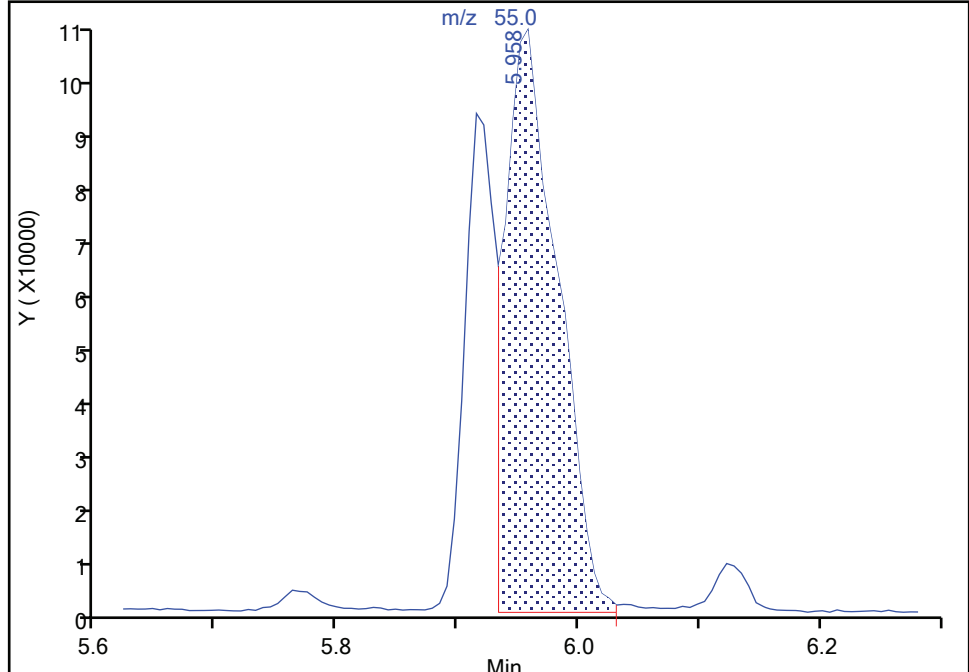
MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

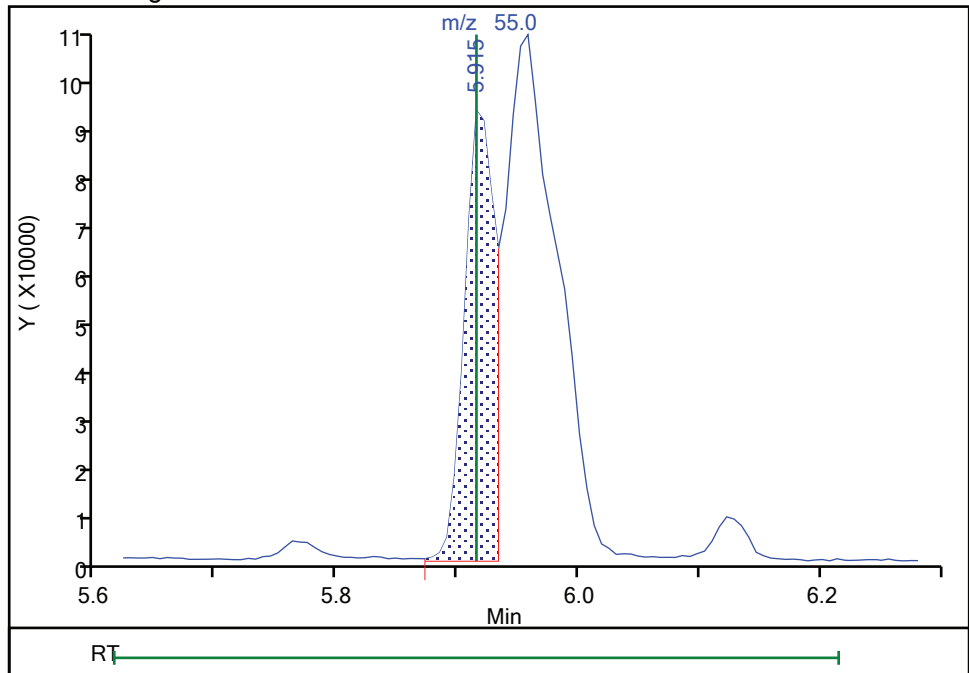
RT: 5.96
Area: 324803
Amount: 112.4292
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 164841
Amount: 48.741476
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:36:01

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89508.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Jun-2020 04:02:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0111447-008
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Jun-2020 18:47:04 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: boykink

Date: 11-Jun-2020 04:20:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.526	1.544	-0.018	93	55922	200.0	142.3	
2 Chlorotrifluoroethene	116	1.642	1.654	-0.012	86	299542	200.0	180.0	
3 1,1-Difluoroethane	51	1.654	1.660	-0.006	93	697497	200.0	176.3	
4 Dichlorodifluoromethane	85	1.678	1.696	-0.018	100	1076270	200.0	197.5	
5 Chlorodifluoromethane	51	1.709	1.715	-0.006	98	807313	200.0	165.7	
6 Chloromethane	50	1.898	1.904	-0.006	99	1203724	200.0	185.4	
8 Vinyl chloride	62	2.001	2.013	-0.012	98	1181673	200.0	188.2	
7 Butadiene	39	2.020	2.032	-0.012	96	1020339	200.0	197.4	
9 Bromomethane	94	2.361	2.367	-0.006	99	793970	200.0	184.4	
10 Chloroethane	64	2.452	2.458	-0.006	99	663137	200.0	189.1	
11 Dichlorofluoromethane	67	2.678	2.684	-0.006	99	1490704	200.0	193.7	
12 Trichlorofluoromethane	101	2.690	2.702	-0.012	97	1161441	200.0	202.9	
13 Pentane	72	2.708	2.714	-0.006	97	289844	400.0	368.2	
15 Ethanol	46	2.940	2.934	0.006	73	173225	8000.0	6731.2	
14 Ethyl ether	59	2.934	2.946	-0.012	94	564775	200.0	183.4	
16 2-Methyl-1,3-butadiene	53	2.958	2.971	-0.013	95	689609	200.0	194.3	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	3.013	3.013	0.000	91	693871	200.0	198.3	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	3.074	3.080	-0.006	95	1102839	200.0	186.9	a
19 Acrolein	56	3.129	3.135	-0.006	89	32132	200.0	188.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.154	3.160	-0.006	93	822302	200.0	209.4	
21 1,1-Dichloroethene	96	3.178	3.184	-0.006	98	755373	200.0	203.1	
22 Acetone	58	3.269	3.275	-0.006	88	473403	1000.0	1090.4	
23 Iodomethane	142	3.349	3.355	-0.006	97	1339624	200.0	197.5	
24 Carbon disulfide	76	3.385	3.385	0.000	99	2918227	200.0	200.5	
25 Isopropyl alcohol	45	3.379	3.385	-0.006	97	474996	2000.0	1963.0	
26 3-Chloro-1-propene	76	3.519	3.525	-0.006	93	491394	200.0	185.5	
27 Methyl acetate	43	3.531	3.537	-0.006	99	977126	400.0	380.0	
28 Cyclopentene	67	3.538	3.544	-0.006	94	1883396	200.0	191.6	
29 Acetonitrile	41	3.592	3.598	-0.006	98	806965	2000.0	1549.0	
30 Methylene Chloride	84	3.653	3.659	-0.006	92	866934	200.0	191.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.653	3.659	-0.006	88	332026	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.727	3.733	-0.006	96	627998	2000.0	1968.8	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	98	1701844	200.0	199.4	
34 trans-1,2-Dichloroethene	96	3.836	3.842	-0.006	94	749860	200.0	192.7	
35 Acrylonitrile	53	3.916	3.922	-0.006	95	2750708	2000.0	1921.4	
36 Hexane	43	3.989	3.995	-0.006	93	636488	200.0	210.9	
37 Isopropyl ether	45	4.196	4.196	0.000	96	2105823	200.0	185.2	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	100	1198660	200.0	187.1	
39 Vinyl acetate	86	4.233	4.239	-0.006	99	228817	400.0	413.6	
40 2-Chloro-1,3-butadiene	88	4.263	4.269	-0.006	90	606228	200.0	192.6	
41 Tert-butyl ethyl ether	59	4.483	4.489	-0.007	91	1692374	200.0	188.0	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	82	339098	250.0	250.0	
43 2,2-Dichloropropane	97	4.684	4.690	-0.006	97	192162	200.0	214.8	
44 cis-1,2-Dichloroethene	96	4.690	4.696	-0.006	97	767422	200.0	188.1	
45 Ethyl acetate	70	4.702	4.708	-0.006	93	129217	400.0	393.5	
46 2-Butanone (MEK)	72	4.702	4.708	-0.006	97	428265	1000.0	1031.6	
47 Methyl acrylate	55	4.751	4.751	0.000	100	526596	200.0	205.6	
48 Propionitrile	54	4.818	4.824	-0.006	99	959210	2000.0	1701.9	
49 Chlorobromomethane	128	4.885	4.891	-0.006	90	372616	200.0	192.9	
50 Tetrahydrofuran	72	4.885	4.891	-0.006	66	177007	400.0	380.7	
51 Methacrylonitrile	67	4.909	4.909	0.000	89	2749966	2000.0	1944.8	
52 Chloroform	83	4.928	4.927	0.001	99	1110513	200.0	192.3	
53 Cyclohexane	56	5.043	5.043	0.000	91	1344046	200.0	203.6	
\$ 54 Dibromofluoromethane (Surr)	113	5.056	5.055	0.001	46	149351	50.0	50.8	
55 1,1,1-Trichloroethane	97	5.056	5.055	0.001	98	888002	200.0	211.3	
56 Carbon tetrachloride	117	5.153	5.153	0.000	98	660752	200.0	215.7	
57 1,1-Dichloropropene	75	5.165	5.171	-0.006	98	876611	200.0	191.7	
58 Isobutyl alcohol	43	5.251	5.251	0.000	94	500967	5000.0	5050.6	
59 Isooctane	57	5.299	5.299	0.000	97	2476233	200.0	212.1	
60 Benzene	78	5.330	5.336	-0.006	97	2611108	200.0	184.1	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	89	173249	50.0	51.6	
62 Isopropyl acetate	43	5.354	5.354	0.000	96	1792700	200.0	216.9	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	91	548308	200.0	201.2	
64 1,2-Dichloroethane	62	5.397	5.403	-0.006	97	767043	200.0	190.5	
65 n-Heptane	71	5.434	5.433	0.001	91	839770	200.0	195.7	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	631520	50.0	50.0	
67 n-Butanol	56	5.769	5.763	0.006	88	305222	5000.0	5055.4	
68 Trichloroethene	95	5.836	5.842	-0.006	100	663011	200.0	192.3	
70 Ethyl acrylate	55	5.915	5.915	0.000	99	803544	200.0	201.2	
69 Methylcyclohexane	83	5.952	5.952	0.000	96	1376787	200.0	215.3	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	94	664134	200.0	189.9	
* 72 1,4-Dioxane-d8	96	6.129	6.128	0.001	95	46601	1000.0	1000.0	
73 Methyl methacrylate	100	6.122	6.128	-0.006	86	330346	400.0	457.0	
74 n-Propyl acetate	43	6.165	6.165	0.000	98	810937	200.0	223.9	
76 1,4-Dioxane	88	6.177	6.177	0.000	89	172117	4000.0	3447.1	
75 Dibromomethane	93	6.202	6.202	0.000	98	393867	200.0	192.3	
77 Dichlorobromomethane	83	6.324	6.330	-0.006	100	725592	200.0	221.4	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	96	397815	200.5	197.8	
79 2-Nitropropane	41	6.616	6.610	0.006	98	117563	400.0	399.2	a
80 Epichlorohydrin	57	6.695	6.695	0.000	99	1225319	4000.0	4471.4	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	91	931955	200.0	219.8	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	94	3101841	1000.0	1026.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	100	571078	50.0	49.3	
84 Toluene	91	6.982	6.982	0.000	95	2597159	200.0	185.4	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	808462	200.0	202.3	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	94	795118	200.0	257.7	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	466886	200.0	195.0	
88 Tetrachloroethene	166	7.384	7.390	-0.006	96	628809	200.0	191.0	
89 1,3-Dichloropropane	76	7.482	7.476	0.006	97	945585	200.0	191.7	
90 2-Hexanone	43	7.494	7.494	0.000	95	2074428	1000.0	1070.3	
91 n-Butyl acetate	73	7.543	7.543	0.000	99	161786	200.0	200.5	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	491805	200.0	250.4	
93 Ethylene Dibromide	107	7.720	7.720	0.000	98	551762	200.0	222.5	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	84	458844	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	94	1659422	200.0	191.3	
96 Ethylbenzene	106	8.061	8.061	0.000	97	972981	200.0	190.5	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	95	571916	200.0	221.6	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	96	1184164	200.0	192.1	
99 n-Butyl acrylate	73	8.335	8.335	0.000	98	442158	200.0	202.0	
100 o-Xylene	106	8.384	8.384	0.000	96	1250861	200.0	199.3	
101 Styrene	104	8.402	8.402	0.000	94	1890733	200.0	195.8	
102 Amyl acetate (mixed isomers)	43	8.463	8.469	-0.006	91	1056083	200.0	202.0	
103 Bromoform	173	8.543	8.543	0.000	97	288449	200.0	216.6	
104 Isopropylbenzene	105	8.591	8.591	0.000	96	2958988	200.0	178.9	
\$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	90	164018	50.0	48.9	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	771295	200.0	202.9	
107 Bromobenzene	156	8.811	8.811	0.000	98	730007	200.0	196.6	
108 N-Propylbenzene	91	8.829	8.829	0.000	98	3318597	200.0	174.5	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	76	179838	200.0	198.0	
110 1,2,3-Trichloropropane	110	8.848	8.847	0.001	95	221634	200.0	198.5	
111 4-Ethyltoluene	105	8.890	8.890	0.000	96	2741857	200.0	170.3	
112 2-Chlorotoluene	91	8.902	8.908	-0.006	97	2726717	200.0	197.5	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	94	2614294	200.0	189.8	
114 Butyl Methacrylate	87	8.951	8.951	0.000	89	952818	200.0	203.1	
115 4-Chlorotoluene	91	8.969	8.969	0.000	97	2036733	200.0	191.6	
116 tert-Butylbenzene	119	9.104	9.103	0.001	93	2239777	200.0	212.3	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	97	2626336	200.0	186.5	
118 sec-Butylbenzene	105	9.232	9.231	0.001	96	3306348	200.0	187.3	
119 4-Isopropyltoluene	119	9.305	9.305	0.000	95	2859429	200.0	190.0	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	95	1411572	200.0	191.3	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	95	243355	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.390	0.000	92	1463793	200.0	195.5	
123 1,2,3-Trimethylbenzene	105	9.390	9.396	-0.006	96	2834172	200.0	187.2	
124 Benzyl chloride	91	9.475	9.475	0.000	99	890760	200.0	221.9	
125 2,3-Dihydroindene	117	9.524	9.524	0.000	93	2848748	200.0	178.3	
126 p-Diethylbenzene	119	9.530	9.530	0.000	95	1762757	200.0	197.1	
127 n-Butylbenzene	92	9.549	9.549	0.001	98	1689076	200.0	199.9	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	96	1481360	200.0	192.5	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.042	0.000	98	2788875	200.0	203.0	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	96	104005	200.0	203.5	
131 1,3,5-Trichlorobenzene	180	10.256	10.256	0.000	98	1212365	200.0	199.8	
132 1,2,4-Trichlorobenzene	180	10.768	10.768	0.000	94	955853	200.0	202.5	
133 Hexachlorobutadiene	225	10.847	10.847	0.000	96	504087	200.0	224.0	
134 Naphthalene	128	11.012	11.018	-0.006	99	1778639	200.0	206.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.243	11.243	0.000	96	634930	200.0	207.4	
S 136 1,2-Dichloroethene, Total	100				0		400.0	380.8	
S 137 Xylenes, Total	100				0		400.0	391.4	
S 138 Total BTEX	1				0		1000.0	951.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00363	Amount Added: 20.00	Units: uL	
8FreonHi_00019	Amount Added: 20.00	Units: uL	
MIX I Hi_00126	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00099	Amount Added: 20.00	Units: uL	
Ethanol mix_00041	Amount Added: 20.00	Units: uL	
ACROLEIN W_00107	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89508.D

Injection Date: 11-Jun-2020 04:02:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: STD200

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

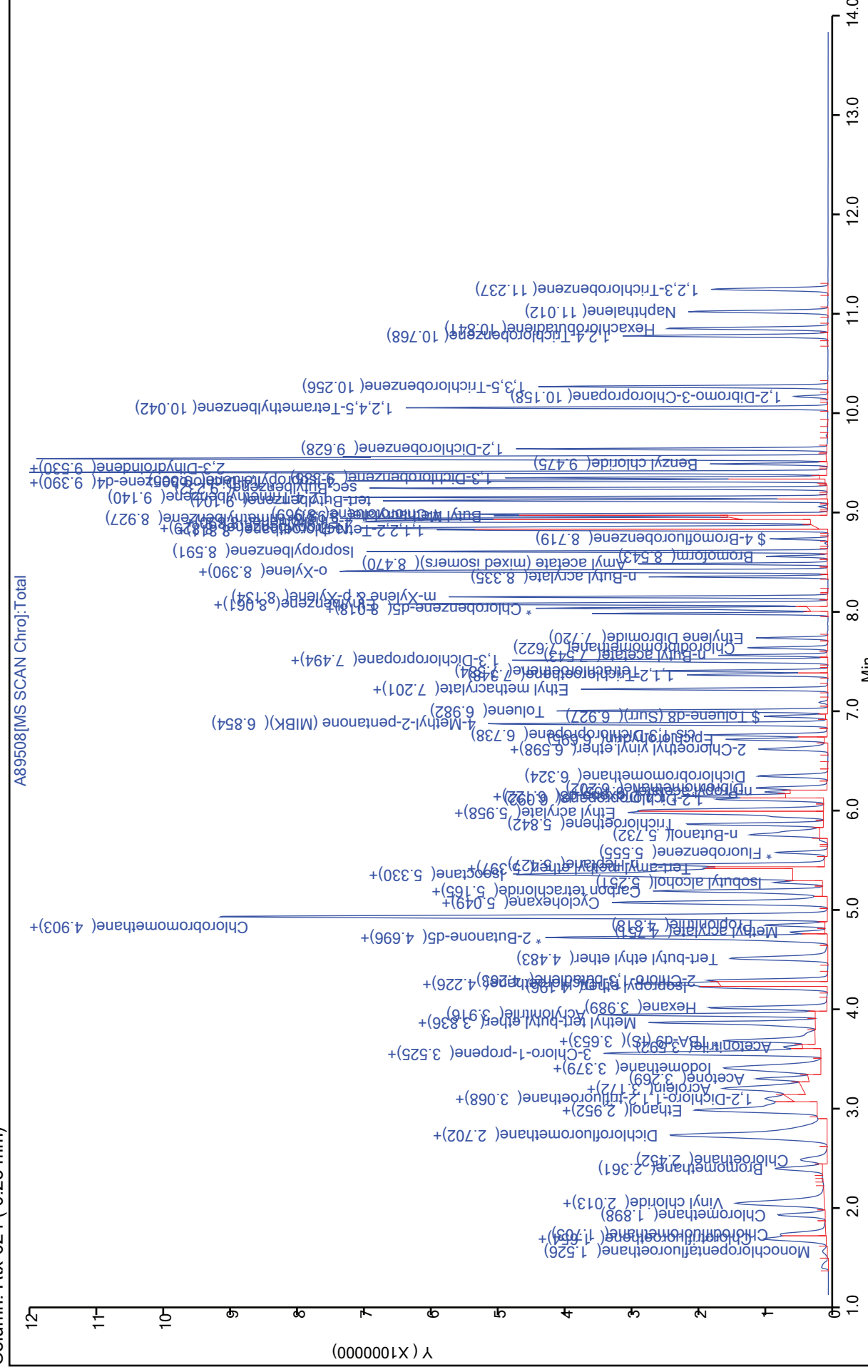
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89508.D

Injection Date: 11-Jun-2020 04:02:30

Instrument ID: CVOAMS1

Lims ID: STD200

Client ID:

Operator ID: VOA GC/MS1

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

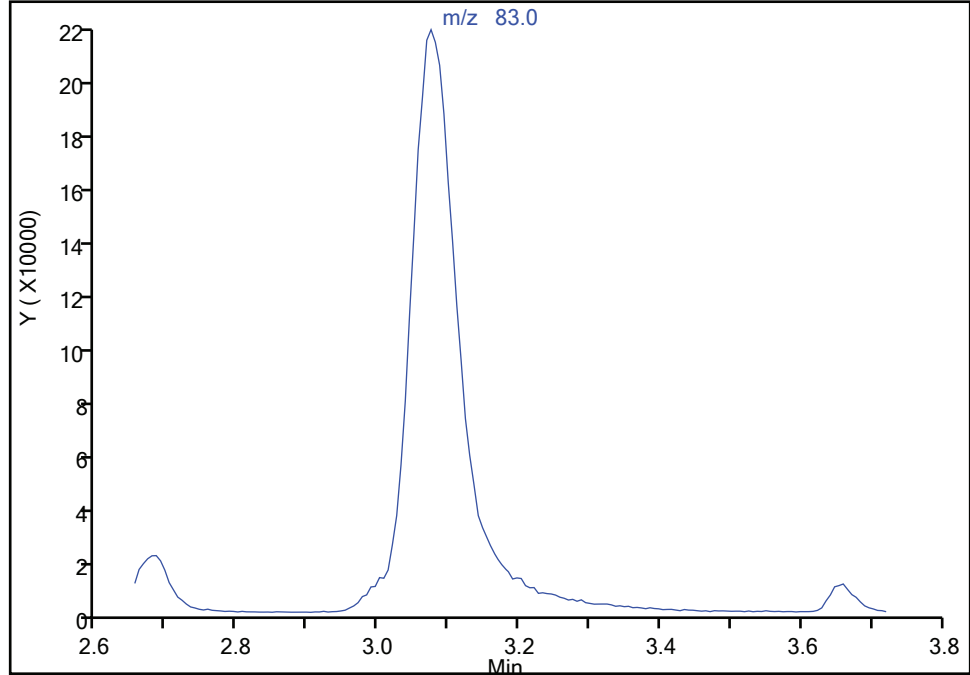
18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

Not Detected

Expected RT: 3.08

Processing Integration Results



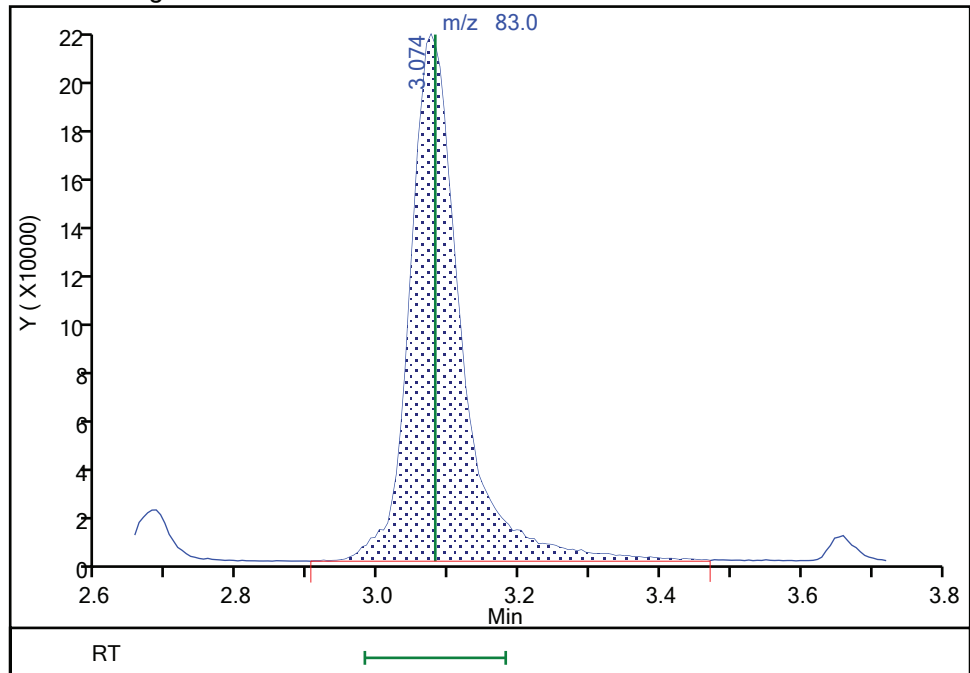
RT: 3.07

Area: 1102839

Amount: 186.8516

Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:37:17

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89508.D

Injection Date: 11-Jun-2020 04:02:30

Instrument ID: CVOAMS1

Lims ID: STD200

Client ID:

Operator ID: VOA GC/MS1

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

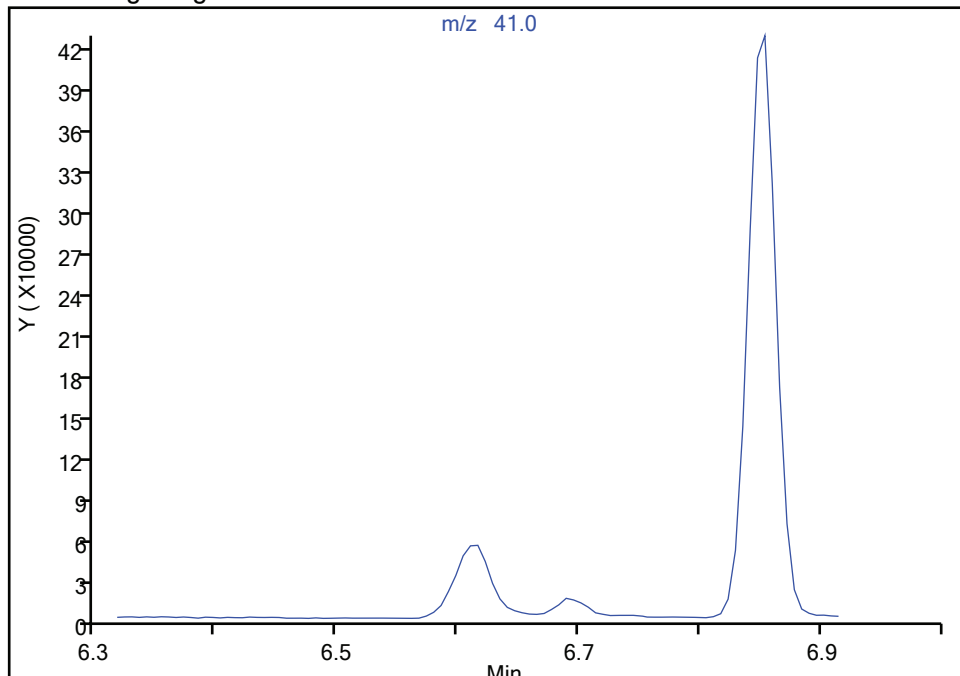
79 2-Nitropropane, CAS: 79-46-9

Signal: 1

Not Detected

Expected RT: 6.61

Processing Integration Results



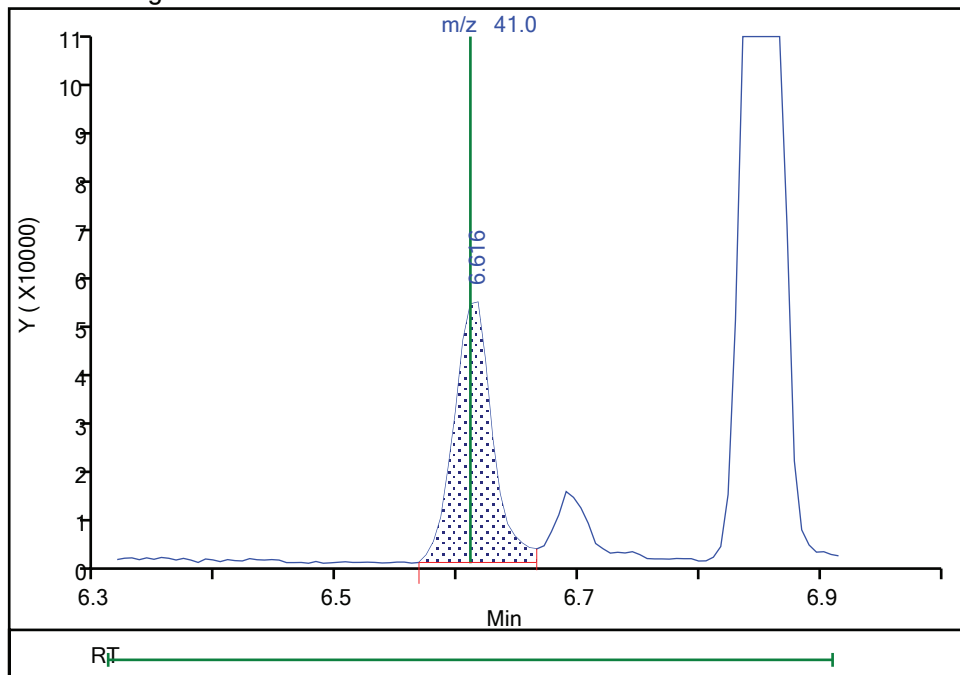
RT: 6.62

Area: 117563

Amount: 399.2321

Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:37:40

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Jun-2020 04:26:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0111447-009
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub50
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Jun-2020 18:47:21 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: boykink

Date: 11-Jun-2020 04:45:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.520	1.544	-0.024	92	162812	500.0	401.1	
2 Chlorotrifluoroethene	116	1.641	1.654	-0.013	86	765958	500.0	445.7	
3 1,1-Difluoroethane	51	1.654	1.660	-0.006	97	1794936	500.0	439.5	
4 Dichlorodifluoromethane	85	1.678	1.696	-0.018	100	2772765	500.0	492.9	
5 Chlorodifluoromethane	51	1.709	1.715	-0.006	98	2409816	500.0	479.0	
6 Chloromethane	50	1.898	1.904	-0.006	99	3070036	500.0	457.9	
8 Vinyl chloride	62	2.007	2.013	-0.006	98	3043923	500.0	469.4	
7 Butadiene	39	2.019	2.032	-0.013	95	2549161	500.0	477.6	
9 Bromomethane	94	2.361	2.367	-0.006	100	2014404	500.0	453.0	
10 Chloroethane	64	2.452	2.458	-0.006	99	1707874	500.0	471.7	
11 Dichlorofluoromethane	67	2.678	2.684	-0.006	98	3775326	500.0	475.0	
12 Trichlorofluoromethane	101	2.684	2.702	-0.018	99	3047119	500.0	515.4	
13 Pentane	72	2.714	2.714	0.000	96	833346	1000.0	1054.2	
15 Ethanol	46	2.934	2.934	0.000	72	447563	20000	17317	
14 Ethyl ether	59	2.934	2.946	-0.012	94	1501993	500.0	472.3	
16 2-Methyl-1,3-butadiene	53	2.958	2.971	-0.013	95	1808945	500.0	493.7	
17 1,2-Dichloro-1,1,2-trifluoroethane	117	3.013	3.013	0.000	92	1811171	500.0	501.3	
18 1,1,1-Trifluoro-2,2-dichloroethane	83	3.080	3.080	0.000	88	2910170	500.0	477.5	a
19 Acrolein	56	3.141	3.135	0.006	28	66103	400.0	402.4	a
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.153	3.160	-0.007	93	2107586	500.0	519.6	
21 1,1-Dichloroethene	96	3.184	3.184	0.000	97	2050755	500.0	533.9	
22 Acetone	58	3.269	3.275	-0.006	89	1171920	2500.0	2428.8	
23 Iodomethane	142	3.355	3.355	0.000	98	3446253	500.0	491.9	
24 Carbon disulfide	76	3.391	3.385	0.006	99	7246644	500.0	482.3	
25 Isopropyl alcohol	45	3.379	3.385	-0.006	99	1348963	5000.0	5004.2	
26 3-Chloro-1-propene	76	3.519	3.525	-0.006	94	1438539	500.0	525.9	
27 Methyl acetate	43	3.531	3.537	-0.006	98	2623517	1000.0	988.0	
28 Cyclopentene	67	3.537	3.544	-0.007	95	4925143	500.0	485.2	
29 Acetonitrile	41	3.592	3.598	-0.006	98	1968933	5000.0	3763.4	
30 Methylene Chloride	84	3.659	3.659	0.000	91	2305860	500.0	492.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.659	3.659	0.000	84	333450	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.739	3.733	0.006	95	1573953	5000.0	4913.4	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	98	4042902	500.0	458.7	
34 trans-1,2-Dichloroethene	96	3.842	3.842	0.000	93	1977884	500.0	492.1	
35 Acrylonitrile	53	3.922	3.922	0.000	91	6401636	5000.0	4330.4	
36 Hexane	43	3.989	3.995	-0.006	93	1592067	500.0	511.0	
37 Isopropyl ether	45	4.196	4.196	0.000	94	5166522	500.0	440.1	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	99	3216613	500.0	486.1	
39 Vinyl acetate	86	4.239	4.239	-0.001	99	699418	1000.0	1259.0	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	90	1645323	500.0	506.1	
41 Tert-butyl ethyl ether	59	4.488	4.489	-0.001	91	4078494	500.0	438.8	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	93	376846	250.0	250.0	a
43 2,2-Dichloropropane	97	4.684	4.690	-0.006	94	567998	500.0	614.8	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	98	2069917	500.0	491.3	
45 Ethyl acetate	70	4.702	4.708	-0.006	94	374029	1000.0	1024.9	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	99	1168491	2500.0	2532.8	
47 Methyl acrylate	55	4.751	4.751	0.000	100	1382083	500.0	522.5	
48 Propionitrile	54	4.824	4.824	0.000	99	2549069	5000.0	4503.5	
49 Chlorobromomethane	128	4.891	4.891	0.000	84	1013992	500.0	508.2	
50 Tetrahydrofuran	72	4.891	4.891	0.000	65	499054	1000.0	965.9	
51 Methacrylonitrile	67	4.909	4.909	0.000	82	6351537	5000.0	4349.9	
52 Chloroform	83	4.927	4.927	0.000	98	2957260	500.0	496.0	
53 Cyclohexane	56	5.043	5.043	0.000	91	3579997	500.0	525.3	
\$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	34	156513	50.0	51.6	
55 1,1,1-Trichloroethane	97	5.055	5.055	0.000	98	2668429	500.0	615.0	
56 Carbon tetrachloride	117	5.153	5.153	0.000	99	2062151	500.0	489.3	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	97	2360451	500.0	500.0	
58 Isobutyl alcohol	43	5.251	5.251	-0.001	93	1769342	12500	12496	
59 Isooctane	57	5.299	5.299	0.000	97	5600204	500.0	464.6	
60 Benzene	78	5.330	5.336	-0.006	99	6075560	500.0	401.4	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	87	192543	50.0	55.5	
62 Isopropyl acetate	43	5.354	5.354	0.000	96	4616587	500.0	541.0	
63 Tert-amyl methyl ether	87	5.372	5.366	0.006	91	1416117	500.0	503.3	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	96	2063558	500.0	496.3	
65 n-Heptane	71	5.433	5.433	0.000	92	2056429	500.0	464.0	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	652128	50.0	50.0	
67 n-Butanol	56	5.769	5.763	0.006	87	1074579	12500	12495	
68 Trichloroethene	95	5.842	5.842	0.000	99	1802220	500.0	506.2	
70 Ethyl acrylate	55	5.915	5.915	0.000	97	2414002	500.0	499.9	a
69 Methylcyclohexane	83	5.958	5.952	0.006	96	3170940	500.0	480.3	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	91	1833063	500.0	507.7	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	92	43992	1000.0	1000.0	
73 Methyl methacrylate	100	6.128	6.128	0.000	84	911451	1000.0	1220.9	
74 n-Propyl acetate	43	6.165	6.165	0.000	97	2267430	500.0	606.3	
76 1,4-Dioxane	88	6.177	6.177	0.000	88	446594	10000	9474.7	
75 Dibromomethane	93	6.208	6.202	0.006	98	1074602	500.0	508.1	
77 Dichlorobromomethane	83	6.330	6.330	0.000	99	2124949	500.0	627.9	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	96	1106323	501.2	532.7	
79 2-Nitropropane	41	6.616	6.610	0.006	98	380069	1000.0	998.2	a
80 Epichlorohydrin	57	6.695	6.695	0.000	99	3286011	10000	10790	
81 cis-1,3-Dichloropropene	75	6.744	6.738	0.006	91	2642326	500.0	584.0	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	86	6806556	2500.0	2026.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	6.933	6.927	0.006	100	584804	50.0	47.3	
84 Toluene	91	6.988	6.982	0.006	98	5786960	500.0	387.1	
85 trans-1,3-Dichloropropene	75	7.207	7.201	0.006	95	2327281	500.0	706.9	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	2253280	500.0	499.7	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	1289184	500.0	504.6	
88 Tetrachloroethene	166	7.390	7.390	0.000	97	1689737	500.0	480.8	
89 1,3-Dichloropropane	76	7.482	7.476	0.006	96	2514718	500.0	477.6	
90 2-Hexanone	43	7.494	7.494	0.000	86	4770666	2500.0	2214.9	
91 n-Butyl acetate	73	7.549	7.543	0.006	97	483001	500.0	499.9	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	1527875	500.0	728.8	
93 Ethylene Dibromide	107	7.720	7.720	0.000	99	1509323	500.0	570.4	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	83	489662	50.0	50.0	
95 Chlorobenzene	112	8.024	8.018	0.006	88	4007043	500.0	432.8	
96 Ethylbenzene	106	8.061	8.061	0.000	92	2601234	500.0	477.2	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	96	1731139	500.0	484.9	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	87	3038758	500.0	461.9	
99 n-Butyl acrylate	73	8.341	8.335	0.006	97	1353764	500.0	499.8	
100 o-Xylene	106	8.390	8.384	0.006	95	3165341	500.0	472.6	
101 Styrene	104	8.402	8.402	0.000	83	4378612	500.0	425.0	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	94	2966221	500.0	499.7	
103 Bromoform	173	8.549	8.543	0.006	96	950302	500.0	489.6	
104 Isopropylbenzene	105	8.597	8.591	0.006	91	5699677	500.0	323.0	
\$ 105 4-Bromofluorobenzene	174	8.725	8.719	0.006	92	176542	50.0	49.3	
106 1,1,2,2-Tetrachloroethane	83	8.811	8.805	0.006	97	2151216	500.0	505.2	
107 Bromobenzene	156	8.817	8.811	0.006	96	2032267	500.0	488.6	
108 N-Propylbenzene	91	8.835	8.829	0.006	97	6216613	500.0	291.8	
109 trans-1,4-Dichloro-2-butene	53	8.847	8.841	0.006	75	564743	500.0	555.0	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	93	631973	500.0	505.3	
111 4-Ethyltoluene	105	8.896	8.890	0.006	89	5847824	500.0	324.3	
112 2-Chlorotoluene	91	8.908	8.908	0.000	95	6264479	500.0	405.0	
113 1,3,5-Trimethylbenzene	105	8.933	8.927	0.006	94	5298346	500.0	343.5	
114 Butyl Methacrylate	87	8.957	8.951	0.006	89	2729010	500.0	499.6	
115 4-Chlorotoluene	91	8.975	8.969	0.006	92	4596269	500.0	386.1	
116 tert-Butylbenzene	119	9.110	9.103	0.007	86	4975439	500.0	421.0	
117 1,2,4-Trimethylbenzene	105	9.146	9.140	0.006	90	5318585	500.0	337.2	
118 sec-Butylbenzene	105	9.238	9.231	0.007	90	6219759	500.0	314.6	
119 4-Isopropyltoluene	119	9.311	9.305	0.006	86	5661578	500.0	335.9	
120 1,3-Dichlorobenzene	146	9.341	9.335	0.006	89	3561058	500.0	431.0	
* 121 1,4-Dichlorobenzene-d4	152	9.384	9.378	0.006	93	272569	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.396	9.390	0.006	85	3669191	500.0	437.5	
123 1,2,3-Trimethylbenzene	105	9.402	9.396	0.006	88	5687514	500.0	335.4	
124 Benzyl chloride	91	9.481	9.475	0.006	99	2956418	500.0	486.3	
125 2,3-Dihydroindene	117	9.530	9.524	0.006	90	5780913	500.0	323.0	
126 p-Diethylbenzene	119	9.536	9.530	0.006	85	4204905	500.0	419.7	
127 n-Butylbenzene	92	9.555	9.549	0.007	89	4090181	500.0	432.1	
128 1,2-Dichlorobenzene	146	9.634	9.628	0.006	90	3693318	500.0	428.6	
129 1,2,4,5-Tetramethylbenzene	119	10.054	10.042	0.012	92	5859055	500.0	380.7	
130 1,2-Dibromo-3-Chloropropane	75	10.164	10.158	0.006	97	334995	500.0	499.6	
131 1,3,5-Trichlorobenzene	180	10.268	10.256	0.012	97	3053381	500.0	449.3	
132 1,2,4-Trichlorobenzene	180	10.780	10.768	0.012	95	2476261	500.0	468.4	
133 Hexachlorobutadiene	225	10.853	10.847	0.006	95	1304941	500.0	517.6	
134 Naphthalene	128	11.024	11.018	0.006	98	4588245	500.0	476.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.249	11.243	0.006	95	1700630	500.0	496.0	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	983.4	
S 137 Xylenes, Total	100				0		1000.0	934.5	
S 138 Total BTEX	1				0		2500.0	2200.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00363	Amount Added: 50.00	Units: uL	
8FreonHi_00019	Amount Added: 50.00	Units: uL	
MIX I Hi_00126	Amount Added: 50.00	Units: uL	
MIX 2 Hi_00099	Amount Added: 50.00	Units: uL	
Ethanol mix_00041	Amount Added: 50.00	Units: uL	
ACROLEIN W_00107	Amount Added: 40.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 12-Jun-2020 18:47:22

Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Injection Date: 11-Jun-2020 04:26:30

Lims ID: STD500

Client ID:

Purge Vol: 5.000 mL

Method: 8260624W 1

Column: Rtx-624 (0.25 mm)

Instrument ID:

CVOAMS1

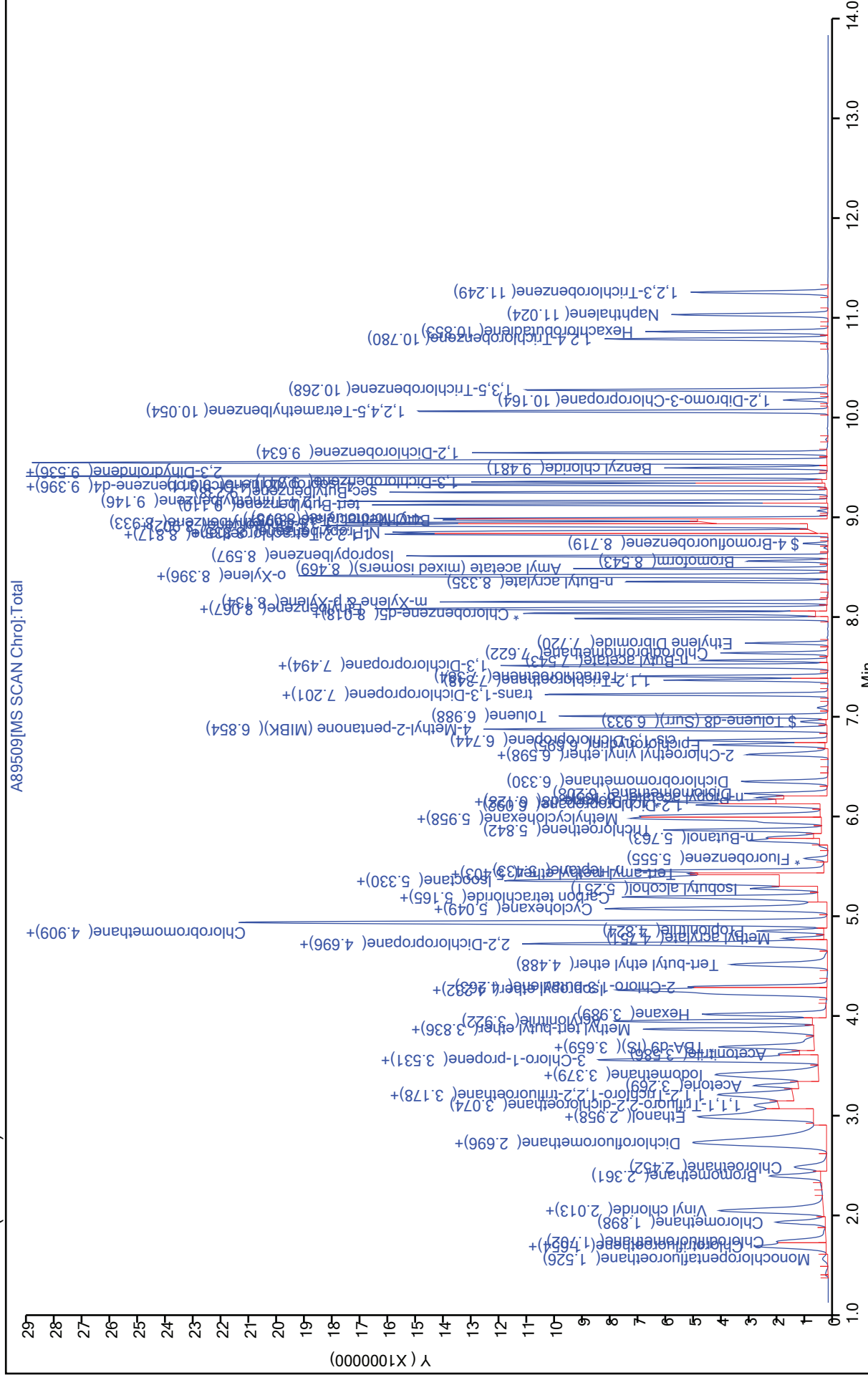
Dil. Factor: 1.0000

Limit Group: VOA - 8260C Water and Solid

Operator ID: VOA GC/MS1

Worklist Smp#:

ALS Bottle#: 8



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Injection Date: 11-Jun-2020 04:26:30

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

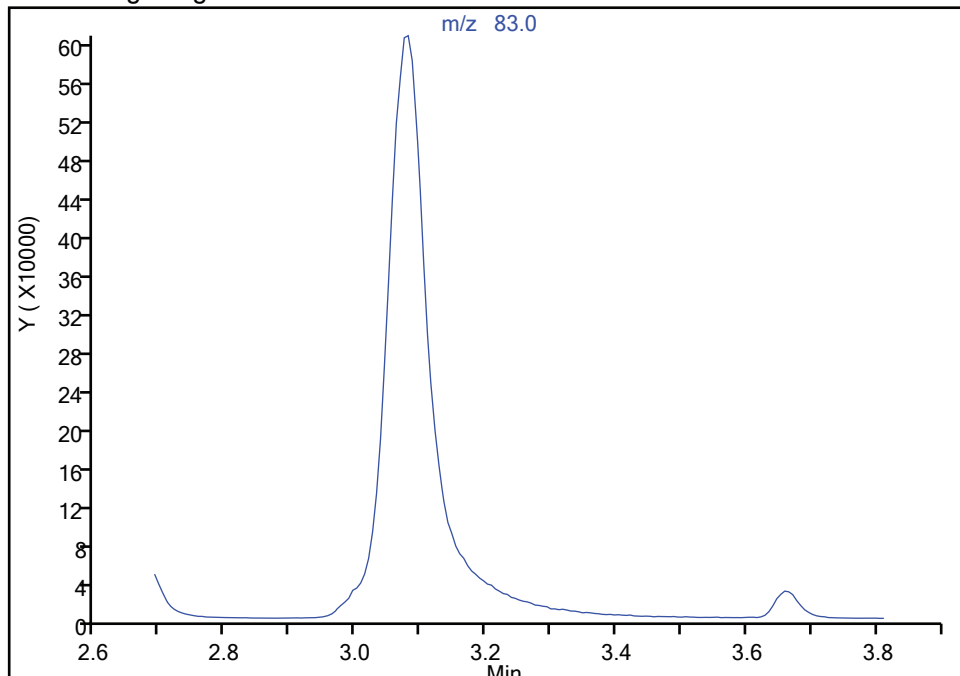
18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

Not Detected

Expected RT: 3.08

Processing Integration Results



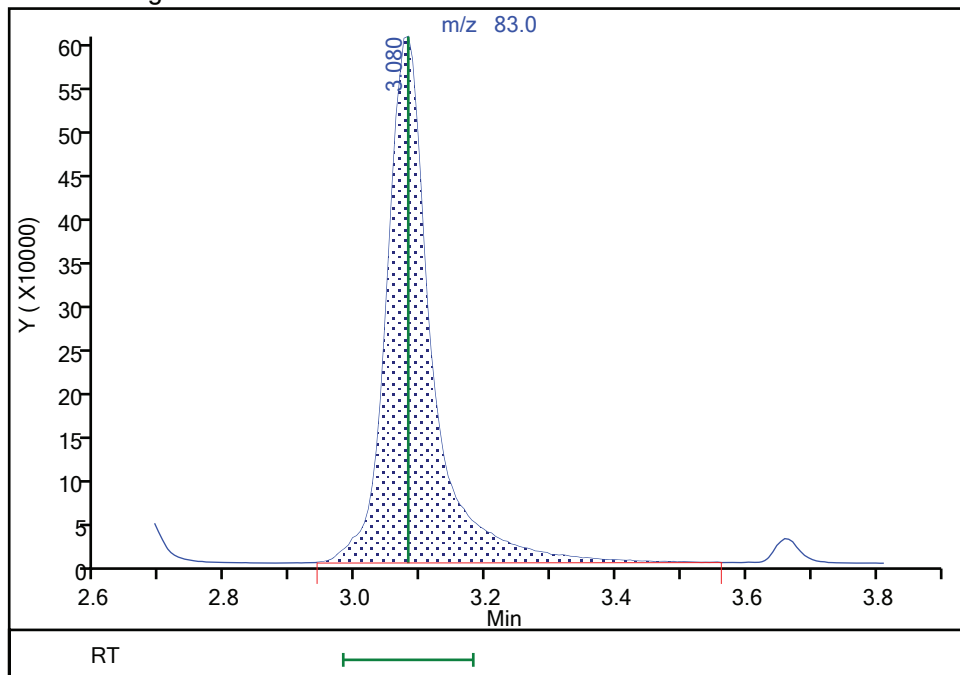
RT: 3.08

Area: 2910170

Amount: 477.4824

Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:39:02

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Injection Date: 11-Jun-2020 04:26:30

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

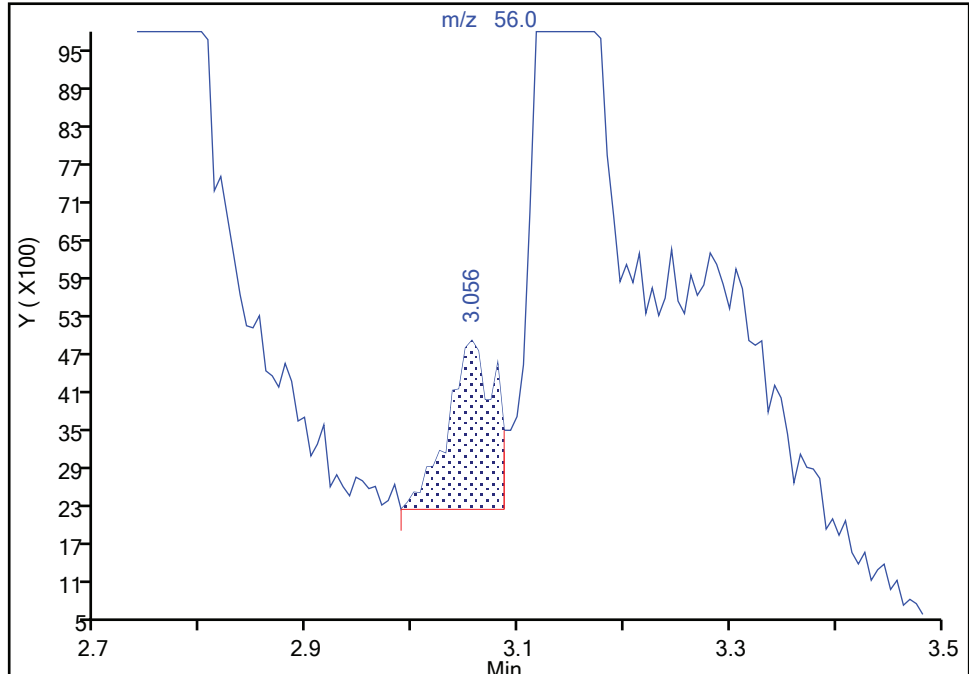
MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

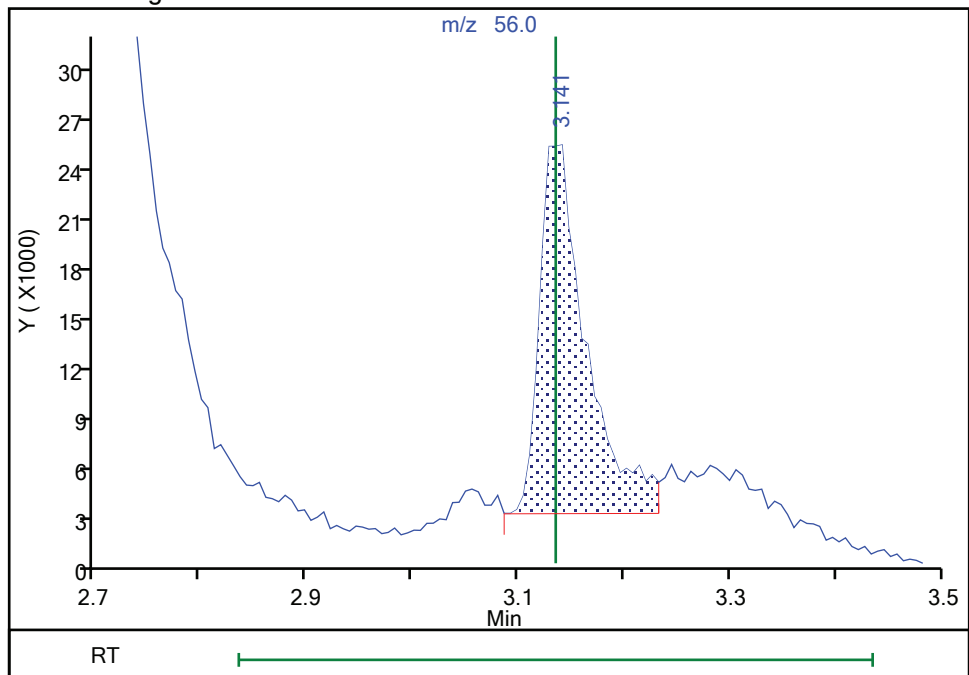
RT: 3.06
Area: 8143
Amount: 48.506051
Amount Units: ug/l

Processing Integration Results



RT: 3.14
Area: 66103
Amount: 402.4132
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:38:54

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Injection Date: 11-Jun-2020 04:26:30

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

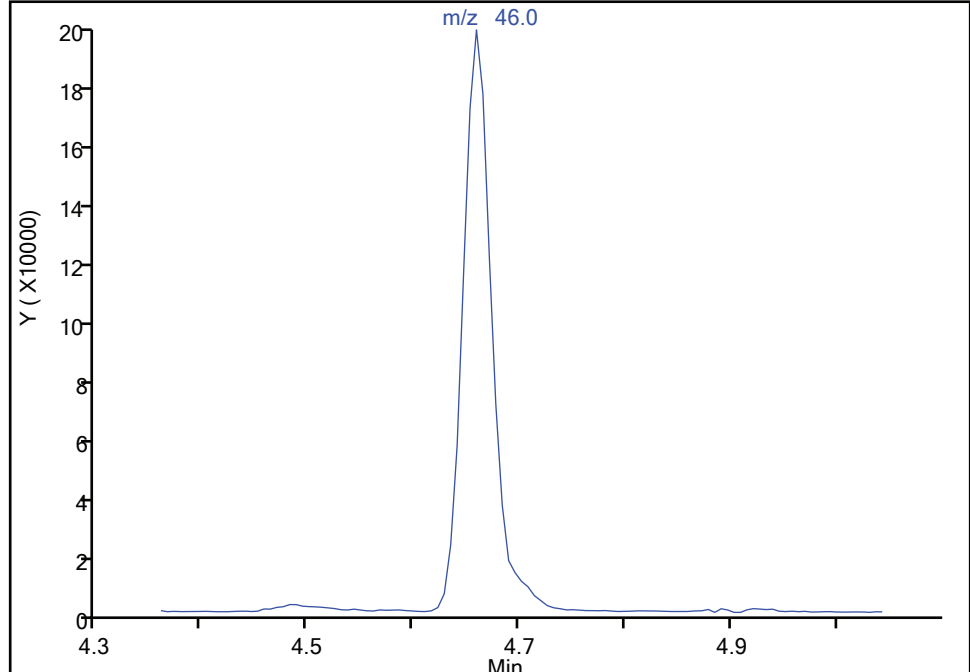
* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

Not Detected

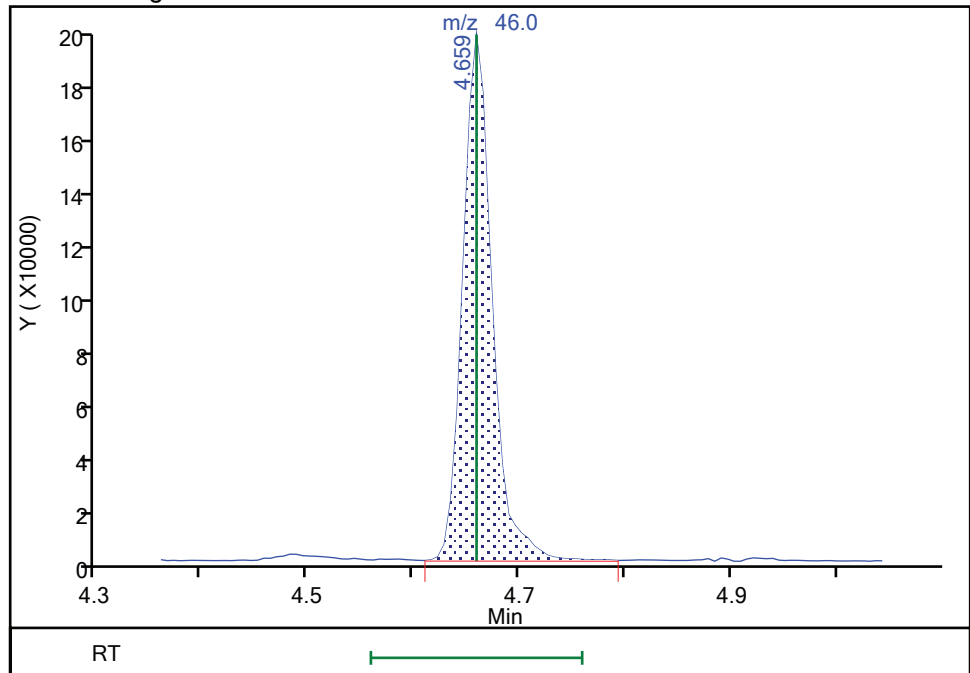
Expected RT: 4.66

Processing Integration Results



RT: 4.66
Area: 376846
Amount: 250.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:38:41

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Injection Date: 11-Jun-2020 04:26:30

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

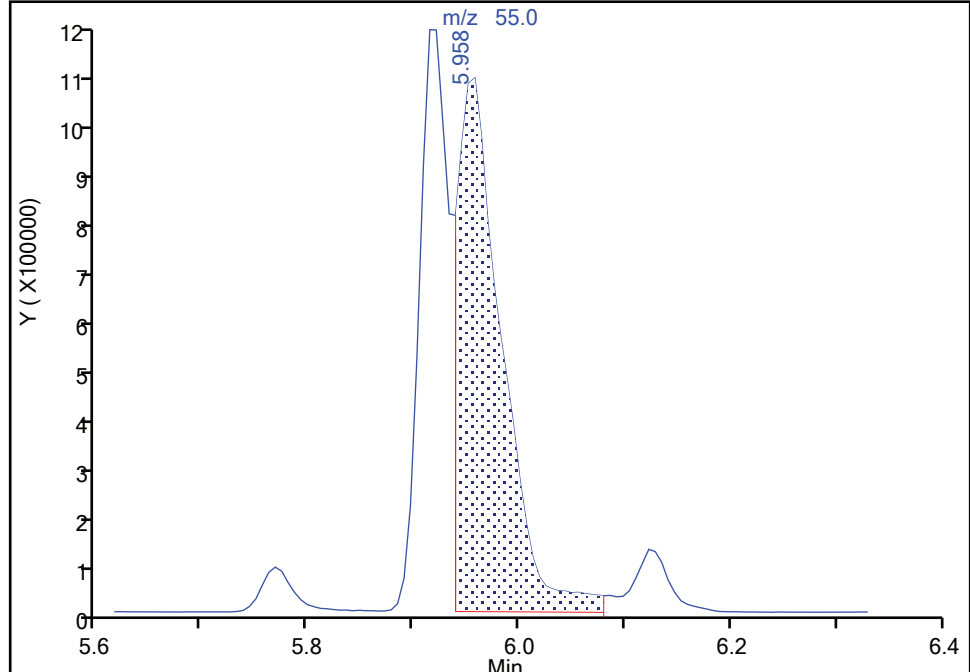
MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

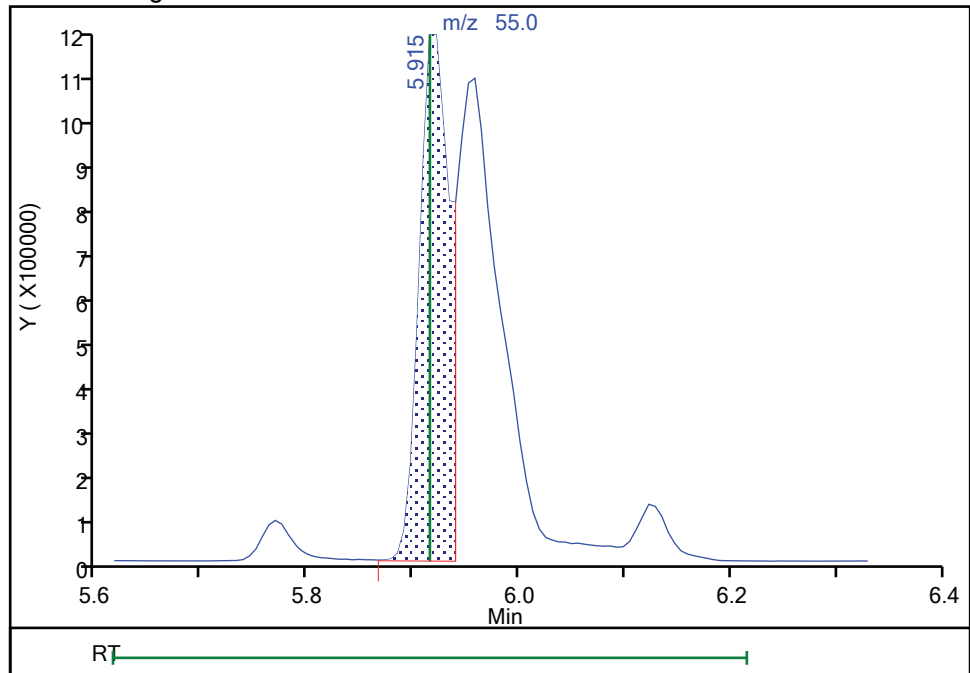
RT: 5.96
Area: 3157155
Amount: 500.1210
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 2414002
Amount: 499.8709
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:39:19

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

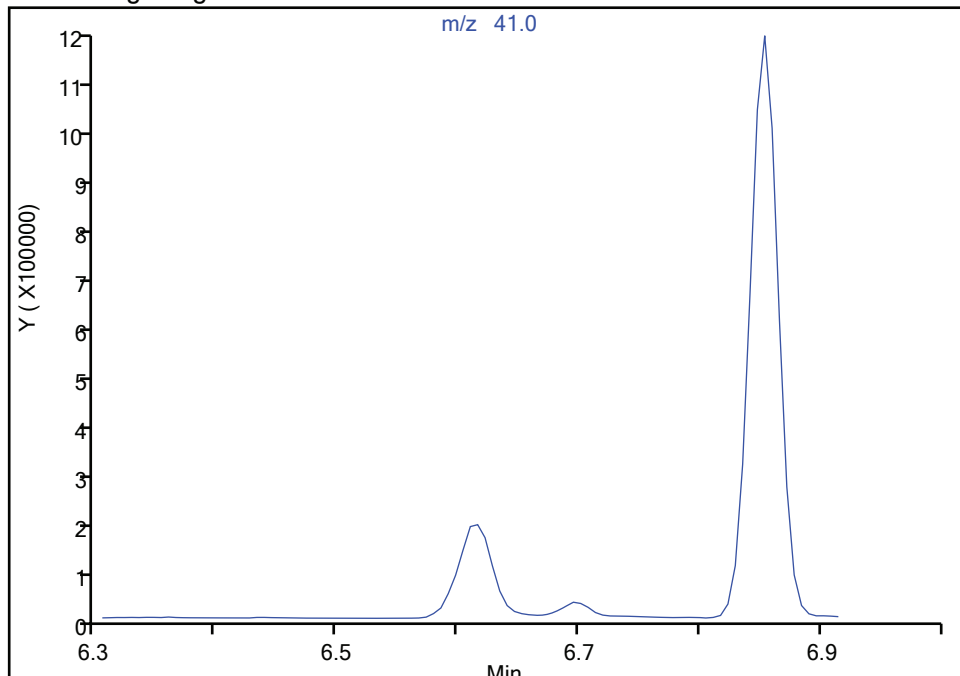
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
Injection Date: 11-Jun-2020 04:26:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Signal: 1

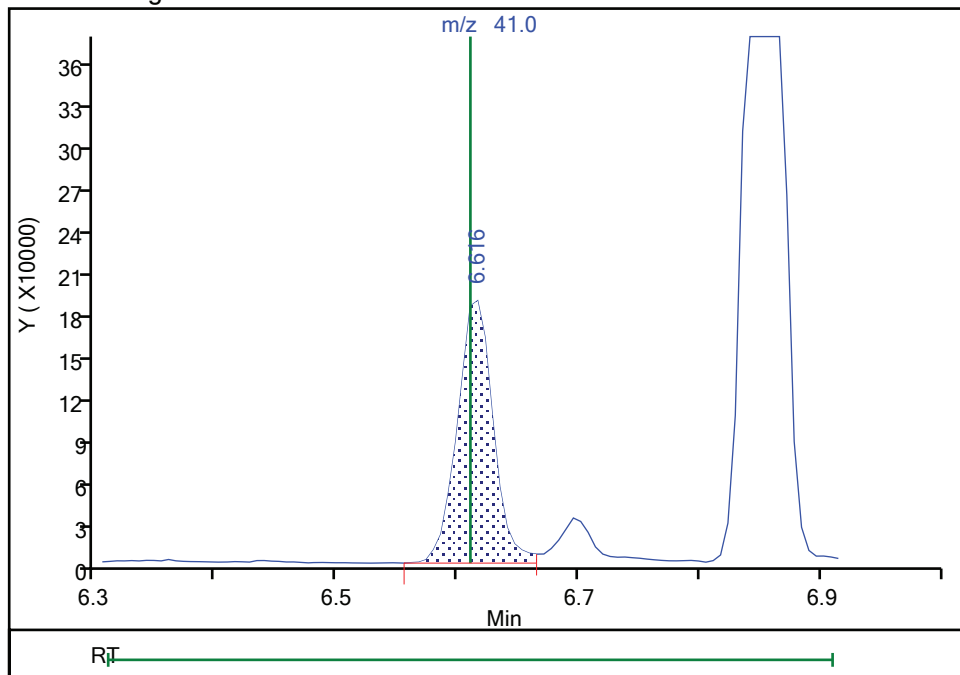
Not Detected
Expected RT: 6.61

Processing Integration Results



RT: 6.62
Area: 380069
Amount: 998.1547
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 12-Jun-2020 17:39:27

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.: Heated Purge: (Y/N) N

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm)

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-694173/3	N19001.D
Level 2	STD1 460-694173/4	N19002.D
Level 3	STD5 460-694173/5	N19003.D
Level 4	STD20 460-694173/6	N19004.D
Level 5	STD50 460-694173/7	N19005.D
Level 6	STD200 460-694173/8	N19006.D
Level 7	STD500 460-694173/9	N19007.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								
1,1-Difluoroethane	++++ 0.2176	0.2255 0.2409	0.1935	0.1770	0.2144	Ave			0.2115				10.8		20.0			
Chlorotrifluoroethene	++++ 0.0743	0.0630 ++++	0.0552	0.0516	0.0555	Ave			0.0599				15.1		20.0			
Dichlorodifluoromethane	++++ 0.0930	0.0969 0.0950	0.0882	0.0770	0.0975	Ave			0.0913	*		0.1000	8.5		20.0			
Chlorodifluoromethane	++++ 0.2731	0.2842 0.2779	0.2751	0.2453	0.2790	Ave			0.2724				5.1		20.0			
Chloromethane	++++ 1.0683	1.3041 1.0624	1.3629	1.0849	1.2187	Ave			1.1836			0.1000	11.1		20.0			
Butadiene	++++ 0.3284	0.3289 0.3450	0.3392	0.2854	0.3526	Ave			0.3299				7.2		20.0			
Vinyl chloride	++++ 0.3904	0.4572 0.4028	0.4099	0.3585	0.4305	Ave			0.4082			0.1000	8.3		20.0			
Bromomethane	++++ 0.2384	0.3098 ++++	0.2869	0.2663	0.2656	Ave			0.2734			0.1000	9.7		20.0			
Chloroethane	++++ 0.1899	0.2568 0.2162	0.1912	0.1798	0.2076	Ave			0.2069			0.1000	13.4		20.0			
Dichlorofluoromethane	++++ 0.4374	0.5262 0.4903	0.4720	0.4174	0.4800	Ave			0.4705				8.2		20.0			
Trichlorofluoromethane	++++ 0.3104	0.3496 0.3559	0.3140	0.2611	0.3351	Ave			0.3210			0.1000	10.8		20.0			
Pentane	++++ 7.7851	8.3039 7.9531	9.0126	8.3586	9.5156	Ave			8.4882				7.7		20.0			
Ethanol	++++ 0.3075	0.3544 0.2985	0.3987	0.3005	0.2948	Ave			0.3257				12.9		20.0			
Ethyl ether	++++ 0.1341	0.1449 0.1337	0.1438	0.1373	0.1407	Ave			0.1391				3.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

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-Methyl-1,3-butadiene	++++ 0.1789	0.1883 0.2020	0.1871	0.1634	0.1966	Ave		0.1860				7.3		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	++++ 0.1611	0.1907 0.1857	0.1882	0.1582	0.1934	Ave		0.1796				8.7		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	++++ 0.2703	0.3104 0.3034	0.2924	0.2890	0.3086	Ave		0.2957				5.1		20.0			
Acrolein	++++ 8.4204	8.5459 7.8083	8.8042	9.2250	8.6190	Ave		8.5705				5.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.1750	0.2021 0.1872	0.1954	0.1689	0.1886	Ave		0.1862		0.1000		6.7		20.0			
1,1-Dichloroethene	++++ 0.1867	0.2229 0.1988	0.2074	0.1699	0.1972	Ave		0.1972		0.1000		9.1		20.0			
Acetone	++++ 0.2364	0.2471 0.2160	0.2083	0.1809	0.1830	Ave		0.2119		0.0500		12.8		20.0			
Iodomethane	++++ 0.3974	0.4369 0.4157	0.4195	0.3863	0.4244	Ave		0.4134				4.5		20.0			
Isopropyl alcohol	++++ 3.4324	4.3284 3.5806	3.0593	3.4402	3.4290	Ave		3.5450				11.9		20.0			
Carbon disulfide	++++ 0.7369	0.7724 0.8006	0.7819	0.6878	0.7768	Ave		0.7594		0.1000		5.4		20.0			
Allyl chloride	++++ 0.1281	0.1416 0.1385	0.1314	0.1198	0.1311	Ave		0.1318				5.9		20.0			
Methyl acetate	++++ 10.681	12.693 10.069	11.214	11.379	11.152	Ave		11.198		0.1000		7.8		20.0			
Cyclopentene	++++ 0.4735	0.5255 0.5300	0.5050	0.4557	0.5201	Ave		0.5016				6.1		20.0			
Acetonitrile	++++ 8.0906	5.3674 7.1193	8.0506	9.5337	9.0308	Qua2	-39.89	9.3006	-0.000453				0.9980		0.9900		
Methylene Chloride	++++ 0.2486	0.3095 0.2539	0.2768	0.2606	0.2626	Ave		0.2687		0.1000		8.2		20.0			
2-Methyl-2-propanol	++++ 5.4346	7.4671 5.3308	6.0376	5.6967	5.4909	Ave		5.9096				13.6		20.0			
Methyl tertiary butyl ether	++++ 0.6062	0.6281 0.6029	0.6207	0.5829	0.6078	Ave		0.6081		0.1000		2.6		20.0			
trans-1,2-Dichloroethene	++++ 0.2091	0.2442 0.2215	0.2270	0.2093	0.2224	Ave		0.2223		0.1000		5.9		20.0			
Acrylonitrile	29.968 26.569	25.103 25.719	28.132	28.477	27.551	Ave		27.360				6.2		20.0			
Hexane	++++ 0.1022	0.1300 0.0953	0.1139	0.1017	0.1067	Ave		0.1083				11.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173
SDG No.: _____

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	B	M1	M2								
Isopropyl ether	++++ 0.7719	0.8089 0.7958	0.8159	0.7896	0.8053	Ave	0.7979				2.0		20.0			
1,1-Dichloroethane	++++ 0.3928	0.3813 0.4292	0.4069	0.3847	0.4050	Ave	0.4000			0.2000	4.4		20.0			
Vinyl acetate	++++ 0.3356	0.4002 0.3663	0.3098	0.3319	0.3466	Ave	0.3484				9.0		20.0			
2-Chloro-1,3-butadiene	++++ 0.1749	0.2091 0.1953	0.1845	0.1655	0.1823	Ave	0.1853				8.3		20.0			
tert-butyl ethyl ether	++++ 0.6425	0.6253 0.6385	0.6716	0.6474	0.6716	Ave	0.6495				2.9		20.0			
2,2-Dichloropropane	++++ 0.0900	0.1218 0.1008	0.0928	0.0795	0.0941	Ave	0.0965				14.7		20.0			
cis-1,2-Dichloroethene	++++ 0.2386	0.2526 0.2575	0.2447	0.2377	0.2479	Ave	0.2465			0.1000	3.2		20.0			
2-Butanone (MEK)	++++ 0.2448	0.2705 0.2401	0.2314	0.2186	0.2261	Ave	0.2386			0.0500	7.7		20.0			
Ethyl acetate	++++ 0.2058	0.2528 0.2108	0.2113	0.2040	0.2087	Ave	0.2156				8.6		20.0			
Methyl acrylate	++++ 0.2176	0.2209	0.2264	0.2123	0.2209	Ave	0.2198				2.1		20.0			
Propionitrile	++++ 9.7799	10.150 9.2688	10.493	10.561	10.233	Ave	10.081				4.8		20.0			
Tetrahydrofuran	++++ 0.2568	0.3617 0.2512	0.2692	0.2457	0.2476	Lin2	0.2261						0.9990			0.9900
Chlorobromomethane	++++ 0.1244	0.1240 0.1299	0.1244	0.1227	0.1255	Ave	0.1252				2.0		20.0			
Methacrylonitrile	++++ 0.1154	0.1021 0.1226	0.1047	0.1070	0.1086	Ave	0.1101				6.9		20.0			
Chloroform	++++ 0.3773	0.4066 0.4092	0.3880	0.3663	0.3825	Ave	0.3883			0.2000	4.3		20.0			
Cyclohexane	++++ 0.2746	0.2635 0.2916	0.2850	0.2525	0.2900	Ave	0.2762			0.1000	5.7		20.0			
1,1,1-Trichloroethane	++++ 0.2961	0.2896 0.3265	0.2976	0.2705	0.3088	Ave	0.2982			0.1000	6.3		20.0			
Carbon tetrachloride	++++ 0.2304	0.2461 0.2549	0.2180	0.2011	0.2296	Ave	0.2300			0.1000	8.4		20.0			
1,1-Dichloropropene	++++ 0.2570	0.2805 0.2759	0.2751	0.2408	0.2664	Ave	0.2659				5.6		20.0			
Isobutyl alcohol	++++ 2.7469	3.5195 2.9576	2.8546	3.5427	2.9284	Ave	3.0916				11.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

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								
2,2,4-Trimethylpentane	++++ 0.3768	0.4001 0.3935	0.3599	0.3231	0.3726	Ave		0.3710				7.4		20.0			
Benzene	++++ 1.1858	1.3053 1.2379	1.3077	1.1796	1.2505	Ave		1.2444		0.5000	4.5		20.0				
Isopropyl acetate	++++ 0.7549	0.7130 0.7800	0.6677	0.6859	0.7348	Ave		0.7227			5.8		20.0				
Tert-amyl methyl ether	++++ 0.6362	0.5970 0.6456	0.6419	0.6433	0.6584	Ave		0.6371			3.3		20.0				
1,2-Dichloroethane	++++ 0.2956	0.3481 0.3115	0.3045	0.2867	0.2943	Ave		0.3068		0.1000	7.2		20.0				
n-Heptane	++++ 0.0900	0.0868 0.0797	0.0952	0.0800	0.0902	Ave		0.0870			7.1		20.0				
n-Butanol	++++ 1.4555	1.1772 1.5249	1.2390	1.2581	1.3278	Ave		1.3304			10.1		20.0				
Trichloroethene	++++ 0.2026	0.2327 0.2177	0.2102	0.1902	0.2073	Ave		0.2101		0.2000	6.8		20.0				
Ethyl acrylate	++++ 0.0315	0.0420 0.0326	0.0252	0.0291	0.0297	Qua2	0.0142	0.0270	0.0000130					0.9920		0.9900	
Methylcyclohexane	++++ 0.2683	0.2524 0.2742	0.2505	0.2306	0.2730	Ave		0.2581		0.1000	6.6		20.0				
1,2-Dichloropropane	++++ 0.2245	0.2348 0.2347	0.2343	0.2221	0.2288	Ave		0.2299		0.1000	2.5		20.0				
Methyl methacrylate	++++ 0.0593	0.0583 0.0619	0.0516	0.0508	0.0578	Ave		0.0566			7.8		20.0				
1,4-Dioxane	++++ 0.8550	0.8708 1.0930	1.0281	0.9822	0.9169	Ave		0.9577			9.8		20.0				
Dibromomethane	++++ 0.1449	0.1501 0.1523	0.1443	0.1414	0.1432	Ave		0.1460			2.9		20.0				
n-Propyl acetate	++++ 0.3704	0.3416 0.3854	0.3169	0.3298	0.3584	Ave		0.3504			7.3		20.0				
Dichlorobromomethane	++++ 0.2698	0.2660 0.2885	0.2475	0.2437	0.2571	Ave		0.2621		0.2000	6.3		20.0				
2-Nitropropane	++++ 13.990	17.522 14.994	12.982	12.290	12.829	Ave		14.101			13.7		20.0				
2-Chloroethyl vinyl ether	++++ 0.1522	0.1395 0.1601	0.1364	0.1361	0.1439	Ave		0.1447			6.6		20.0				
Epichlorohydrin	0.1685 0.1927	0.1781 0.1990	0.1683	0.1775	0.1886	Ave		0.1818			6.6		20.0				
cis-1,3-Dichloropropene	++++ 0.4751	0.4102 0.4914	0.4521	0.4453	0.4685	Ave		0.4571		0.2000	6.2		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

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								
4-Methyl-2-pentanone (MIBK)	++++ 2.0963	1.7147 2.1296	1.8182	1.8937	2.0228	Ave		1.9459			0.0500	8.4		20.0			
Toluene	++++ 1.2086	1.3617 1.2784	1.2777	1.1894	1.2465	Ave		1.2604			0.4000	4.9		20.0			
trans-1,3-Dichloropropene	++++ 0.4306	0.3720 0.4516	0.3589	0.3835	0.4077	Ave		0.4007			0.1000	8.9		20.0			
Ethyl methacrylate	++++ 0.2960	0.2038 0.3141	0.2259	0.2473	0.2751	Ave		0.2604				16.2		20.0			
1,1,2-Trichloroethane	++++ 0.2336	0.2784 0.2351	0.2462	0.2343	0.2331	Ave		0.2435			0.1000	7.3		20.0			
Tetrachloroethene	++++ 0.2730	0.3247 0.2809	0.3012	0.2491	0.2828	Ave		0.2853			0.2000	9.0		20.0			
1,3-Dichloropropane	++++ 0.4490	0.4488 0.4481	0.4569	0.4563	0.4563	Ave		0.4526				1.0		20.0			
2-Hexanone	++++ 0.7104	0.5792 0.7144	0.6100	0.6123	0.6619	Ave		0.6480			0.0500	8.7		20.0			
n-Butyl acetate	++++ 0.5205	0.4673 0.5202	0.4606	0.4847	0.4877	Ave		0.4902				5.2		20.0			
Chlorodibromomethane	++++ 0.2669	0.2359 0.2847	0.2288	0.2366	0.2493	Ave		0.2504			0.1000	8.6		20.0			
Ethylene Dibromide	++++ 0.2788	0.2479 0.2764	0.2658	0.2660	0.2714	Ave		0.2677			0.1000	4.1		20.0			
Chlorobenzene	++++ 0.7625	0.8343 0.7886	0.7878	0.7519	0.7862	Ave		0.7852			0.5000	3.6		20.0			
Ethylbenzene	++++ 0.4043	0.4685 0.4333	0.3932	0.3855	0.4110	Ave		0.4160			0.1000	7.3		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.2838	0.2509 0.3043	0.2648	0.2537	0.2752	Ave		0.2721				7.4		20.0			
m-Xylene & p-Xylene	++++ 0.4835	0.5515 0.5099	0.4877	0.4724	0.5050	Ave		0.5017			0.1000	5.6		20.0			
n-Butyl acrylate	++++ 0.2379	0.1936 0.2590	0.1842	0.1972	0.2148	Ave		0.2144				13.5		20.0			
o-Xylene	++++ 0.5264	0.5326 0.5639	0.4813	0.4943	0.5377	Ave		0.5227			0.3000	5.8		20.0			
Styrene	++++ 0.8747	0.6808 0.9341	0.7595	0.8119	0.8693	Ave		0.8217			0.3000	11.1		20.0			
Bromoform	++++ 0.3401	0.2500 0.3720	0.2585	0.2712	0.2905	Ave		0.2971			0.1000	16.4		20.0			
Amyl acetate (mixed isomers)	++++ 1.0891	0.8875 1.1086	0.8634	0.9193	1.0090	Ave		0.9795				10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173
SDG No.: _____

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

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								
Isopropylbenzene	++++ 1.2754	1.1439 1.3442	1.1883	1.1401	1.2659	Ave		1.2263			0.1000	6.7		20.0			
Bromobenzene	++++ 0.6369	0.6614 0.6452	0.6487	0.5975	0.6248	Ave		0.6357				3.5		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.7252	0.6803 0.7253	0.7236	0.7094	0.7149	Ave		0.7131			0.3000	2.4		20.0			
N-Propylbenzene	++++ 2.6545	2.4897 2.7378	2.5936	2.3742	2.6080	Ave		2.5763				5.0		20.0			
1,2,3-Trichloropropane	++++ 0.1985	0.2492 0.1948	0.1971	0.2014	0.1927	Ave		0.2056				10.5		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.2004	0.1961 0.2005	0.1925	0.1730	0.1868	Ave		0.1916				5.5		20.0			
2-Chlorotoluene	++++ 1.9206	1.8115 2.0565	1.9411	1.7833	1.9072	Ave		1.9034				5.2		20.0			
4-Ethyltoluene	++++ 2.1210	2.0647 2.2584	2.1366	2.0246	2.1798	Ave		2.1308				3.9		20.0			
1,3,5-Trimethylbenzene	++++ 1.9668	1.7290 2.0767	1.7845	1.7429	1.8954	Ave		1.8659				7.4		20.0			
4-Chlorotoluene	++++ 1.7457	1.6569 1.8110	1.7340	1.6527	1.7345	Ave		1.7225				3.5		20.0			
Butyl Methacrylate	++++ 0.7433	0.4103 0.7815	0.4909	0.5964	0.6724	Qua2	-0.216	0.6112	0.0003922					0.9940			0.9900
tert-Butylbenzene	++++ 1.5134	1.2417 1.5677	1.3441	1.2912	1.4297	Ave		1.3980				9.2		20.0			
1,2,4-Trimethylbenzene	++++ 2.1210	1.8856 2.2244	1.9084	1.8902	2.0287	Ave		2.0097				7.0		20.0			
sec-Butylbenzene	++++ 2.1696	1.6878 2.2106	1.9215	1.8199	2.0642	Ave		1.9789				10.4		20.0			
1,3-Dichlorobenzene	++++ 1.1948	1.0265 1.2508	1.1588	1.1216	1.1711	Ave		1.1539			0.6000	6.6		20.0			
4-Isopropyltoluene	++++ 1.9223	1.5043 2.0014	1.6629	1.6247	1.7857	Ave		1.7502				10.8		20.0			
1,4-Dichlorobenzene	++++ 1.1973	1.1874 1.2581	1.2396	1.1560	1.1889	Ave		1.2046			0.5000	3.1		20.0			
1,2,3-Trimethylbenzene	++++ 2.2909	1.8878 2.4497	2.0603	2.1081	2.2221	Ave		2.1698				9.0		20.0			
Benzyl chloride	++++ 0.2544	0.1972 0.2764	0.1741	0.1855	0.2145	Ave		0.2170				18.6		20.0			
Indan	++++ 2.2665	1.8336 2.3535	2.1306	2.1796	2.2574	Ave		2.1702				8.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

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								
p-Diethylbenzene	++++ 0.9291	0.8274 0.9750	0.9217	0.8709	0.9524	Ave		0.9127				6.0		20.0			
n-Butylbenzene	++++ 0.9079	0.6948 0.9070	0.8796	0.7943	0.8695	Ave		0.8422				9.9		20.0			
1,2-Dichlorobenzene	++++ 1.2646	1.1616 1.3182	1.2850	1.2035	1.2503	Ave		1.2472		0.4000		4.5		20.0			
1,2,4,5-Tetramethylbenzene	++++ 2.0162	1.5879 2.1193	1.6520	1.7360	1.9532	Ave		1.8441				11.7		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1725	0.1428 0.1770	0.1386	0.1406	0.1511	Ave		0.1538		0.0500		11.0		20.0			
1,3,5-Trichlorobenzene	++++ 0.8547	0.8280 0.8757	0.8310	0.8572	0.8737	Ave		0.8534				2.4		20.0			
1,2,4-Trichlorobenzene	++++ 0.8990	0.8457 0.8982	0.8575	0.8506	0.8761	Ave		0.8712		0.2000		2.7		20.0			
Hexachlorobutadiene	++++ 0.2409	0.2253 0.2336	0.2324	0.2079	0.2291	Ave		0.2282				4.9		20.0			
Naphthalene	++++ 2.7676	2.1231 2.6854	2.2951	2.5011	2.6221	Ave		2.4991				9.9		20.0			
1,2,3-Trichlorobenzene	++++ 0.8625	0.7257 0.8329	0.8368	0.8431	0.8562	Ave		0.8262				6.1		20.0			
Dibromofluoromethane (Surr)	0.2277 0.2298	0.2272 0.2352	0.2257	0.2212	0.2287	Ave		0.2279				1.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2695 0.2898	0.2689 0.3073	0.2639	0.2603	0.2740	Ave		0.2763				6.0		20.0			
Toluene-d8 (Surr)	1.2317 1.1768	1.2172 1.1546	1.2160	1.1856	1.2191	Ave		1.2001				2.3		20.0			
4-Bromofluorobenzene	0.3724 0.3786	0.3741 0.3768	0.3747	0.3663	0.3789	Ave		0.3745				1.2		20.0			

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

FORM VI

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.: Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

Calibration Files:	
LEVEL:	LAB SAMPLE ID: LAB FILE ID:
Level 1	STD7 460-694173/3 N19001.D
Level 2	STD1 460-694173/4 N19002.D
Level 3	STD5 460-694173/5 N19003.D
Level 4	STD20 460-694173/6 N19004.D
Level 5	STD50 460-694173/7 N19005.D
Level 6	STD200 460-694173/8 N19006.D
Level 7	STD500 460-694173/9 N19007.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
1,1-Difluoroethane	FB	Ave	++++ 543757	2711 1591598	11433	42241	127083	++++ 200	1.00 500	5.00	20.0	50.0
Chlorotrifluoroethene	FB	Ave	++++ 185606	757 ++++	3259	12315	32929	++++ 200	1.00 ++++	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	++++ 232378	1165 627659	5213	18385	57792	++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	++++ 682532	3416 1836016	16256	58539	165385	++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	BUT	Ave	++++ 359694	2066 965298	10426	33819	93451	++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	++++ 820712	3954 2279520	20042	68128	209017	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	++++ 975437	5496 2661655	24219	85558	255206	++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	++++ 595776	3724 ++++	16954	63566	157468	++++ 200	1.00 ++++	5.00	20.0	50.0
Chloroethane	FB	Ave	++++ 474498	3087 1428322	11299	42905	123096	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	++++ 1093077	6325 3239627	27889	99623	284574	++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	++++ 775673	4202 2351561	18551	62318	198692	++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	++++ 154192	772 443555	3914	14442	42335	++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	Ave	++++ 121795	659 332983	3463	10385	26227	++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	++++ 335009	1742 883549	8495	32767	83397	++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	++++ 447052	2263 1334424	11055	39012	116576	++++ 200	1.00 500	5.00	20.0	50.0

GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

FORM VI

RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison

Job No.: 410-6533-1

Analy Batch No.: 694173

SDG No.:

Instrument ID: CVOAMS11

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020

14:57

Calibration End Date: 05/13/2020

17:15

Calibration ID: 79949

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	++++ 402618	2293 1226942	11123	37749	114689	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	++++ 675384	3731 2004724	17277	68969	182942	++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd 9	Ave	++++ 83388	1589 174192	7647	15939	38346	++++ 200	4.00 400	20.0	40.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 437346	2430 1236823	11548	40316	111789	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 466581	2679 1313763	12256	40554	116896	++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	++++ 397928	1957 981545	7966	28191	70158	++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	++++ 993026	5252 2746994	24785	92210	251611	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd 9	Ave	++++ 339908	2012 998468	6643	29720	76278	++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	++++ 1841390	9285 5289684	46202	164166	460566	++++ 200	1.00 500	5.00	20.0	50.0
Allyl chloride	FB	Ave	++++ 320152	1702 915406	7767	28584	77741	++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd 9	Ave	++++ 211550	1180 561561	4870	19661	49616	++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	++++ 1183106	6317 3502271	29840	108777	308358	++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd 9	Qua2	++++ 801215	2495 1985257	17481	82362	200891	++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	++++ 621226	3720 1677768	16354	62202	155678	++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd 9	Ave	++++ 538187	3471 1486528	13110	49214	122144	++++ 2000	10.0 5000	50.0	200	500
Methyl tertiary butyl ether	FB	Ave	++++ 1514869	7550 3983899	36675	139137	360359	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	++++ 522508	2936 1463517	13415	49969	131837	++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	TBAd 9	Ave	2547 2631100	11669 7171932	61086	246009	612880	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	++++ 255290	1563 629466	6732	24271	63280	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	++++ 1928820	9724 5257961	48212	188459	477435	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	++++ 981493	4584 2836035	24041	91812	240138	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.: Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

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
Vinyl acetate	BUT	Ave	++++ 225997	1268 665638	4740	20689	53149	++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	++++ 437093	2513 1290356	10902	39513	108067	++++ 200	1.00 500	5.00	20.0	50.0
tert-butyl ethyl ether	FB	Ave	++++ 1605526	7517 4219148	39686	154537	398143	++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 224878	1464 665861	5486	18971	55781	++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	++++ 596190	3036 1701723	14460	56742	146988	++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	++++ 412090	2143 1090960	8852	34072	86670	++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	++++ 138589	801 383142	3233	12720	32001	++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	++++ 543659	2656 1459733	13377	50680	130940	++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd 9	Ave	++++ 968500	4718 2584654	22785	91238	227643	++++ 2000	10.0 5000	50.0	200	500
Tetrahydrofuran	BUT	Lin2	++++ 172893	1146 456567	4118	15320	37972	++++ 400	2.00 1000	10.0	40.0	100
Chlorobromomethane	FB	Ave	++++ 310789	1491 858533	7353	29284	74391	++++ 200	1.00 500	5.00	20.0	50.0
Methacrylonitrile	FB	Ave	++++ 2883335	12277 8100468	61870	255352	643679	++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	++++ 942769	4888 2703520	22926	87438	226776	++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	++++ 686274	3168 1926441	16842	60276	171917	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	++++ 739853	3481 2157355	17582	64566	183064	++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	++++ 575703	2958 1684100	12880	48001	136125	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	++++ 642311	3372 1822837	16253	57470	157953	++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd 9	Ave	++++ 680071	4090 2061876	15496	76513	162853	++++ 5000	25.0 12500	125	500	1250
2,2,4-Trimethylpentane	FB	Ave	++++ 941635	4810 2600025	21264	77128	220895	++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	++++ 2175816	10769 6236248	53404	196902	530584	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	++++ 1886249	8571 5153841	39455	163721	435661	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison

SDG No.:

Job No.: 410-6533-1

Analy Batch No.: 694173

Instrument ID: CVOAMS11

Heated Purge: (Y/N) N

GC Column: Rtx-624

ID: 0.25 (mm)

Calibration Start Date: 05/13/2020

14:57

Calibration End Date: 05/13/2020

17:15

Calibration ID: 79949

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
Tert-amyl methyl ether	FB	Ave	++++ 1589675	7177 4265990	37928	153537	390361	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	++++ 738534	4184 2058339	17991	68420	174510	++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	++++ 224897	1044 526408	5623	19084	53470	++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd 9	Ave	++++ 360346	1368 1063091	6726	27171	73840	++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	++++ 506231	2797 1438785	12419	45404	122894	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Qua2	++++ 78682	505 215526	1487	6954	17631	++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	++++ 670417	3034 1811770	14799	55042	161825	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	++++ 561049	2823 1550958	13847	53002	135620	++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	++++ 296113	1402 817951	6101	24247	68514	++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	++++ 128084	1414 356700	3074	12248	30179	++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	++++ 362188	1804 1006532	8528	33741	84926	++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	++++ 925558	4106 2546273	18723	78715	212492	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	++++ 674103	3197 1906294	14625	58175	152427	++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	TBAd 9	Ave	++++ 277080	1629 836247	5638	21234	57077	++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	++++ 381189	1681 1060397	8081	32567	85512	++++ 200	1.00 501	5.01	20.0	50.1
Epichlorohydrin	BUT	Ave	1267 1297607	5643 3616339	25744	110673	289223	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	871735 3528936	3384 9675300	18464	74337	198810	++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	++++ 2217671	13582 6440373	69545	295152	775565	++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	++++ 790025	11234 2275329	52181	198545	528903	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	++++ 739737	3069 2075170	14657	64015	173002	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	Ave	++++ 739737	2450 2075170	13348	59037	163071	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.: _____

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 428708	2297 1184189	10055	39109	98911	++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	++++ 500960	2679 1414939	12299	41574	119996	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	++++ 823926	3703 2257700	18659	76167	193626	++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	++++ 1195944	4588 3245727	23333	95425	253767	++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	Ave	++++ 955137	3855 2620496	18812	80910	206956	++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	++++ 489730	1946 1434141	9346	39490	105780	++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	++++ 511512	2045 1392479	10855	44401	115158	++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	++++ 1399074	6883 3972876	32172	125519	333584	++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	++++ 741777	3865 2182997	16056	64355	174412	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 520789	2070 1532894	10815	42357	116776	++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	++++ 887169	4550 2568833	19918	78855	214280	++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	++++ 436550	1597 1304863	7523	32916	91130	++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	++++ 965943	4394 2840751	19656	82511	228143	++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	++++ 1604929	5617 4705677	31018	135523	368850	++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	DCBd 4	Ave	++++ 344814	1173 1060075	5875	25385	69665	++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	++++ 1103992	4164 3159189	19622	86063	241976	++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	++++ 2340249	9437 6771827	48529	190311	537138	++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	++++ 645645	3103 1838491	14744	55933	149832	++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 735152	3192 2066881	16444	66411	171435	++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	++++ 2690898	11681 7801722	58945	222259	625440	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	++++ 201195	1169 555007	4479	18852	46208	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison

SDG No.:

Job No.: 410-6533-1

Analy Batch No.: 694173

Instrument ID: CVOAMS11

Heated Purge: (Y/N) N

GC Column: Rtx-624

ID: 0.25 (mm)

Calibration Start Date: 05/13/2020

14:57

Calibration End Date: 05/13/2020

17:15

Calibration ID: 79949

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
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++ 203131	920 571305	4376	16195	44800	++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	++++ 1946971	8499 5860279	44114	166945	457376	++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	++++ 2150109	9687 6435637	48557	189527	522754	++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 1993734	8112 5917742	40556	163159	454561	++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	++++ 1769637	7774 5160522	39408	154715	415955	++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Qua2	++++ 753513	1925 2227102	11157	55831	161252	++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	++++ 1534146	5826 4467240	30546	120875	342868	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 2150119	8847 6338777	43372	176952	486524	++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	++++ 2199374	7919 6299325	43669	170367	495037	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1211194	4816 3564307	26336	104997	280862	++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 1948692	7058 5703278	37793	152094	428238	++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	++++ 1213762	5571 3585214	28173	108215	285117	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	++++ 2322280	8857 6980648	46823	197350	532907	++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	++++ 257924	925 787655	3956	17369	51436	++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	++++ 2297560	8603 6706526	48422	204037	541360	++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	++++ 941829	3882 2778448	20947	81525	228408	++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	++++ 920402	3260 2584729	19991	74359	208527	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 1281942	5450 3756455	29203	112666	299854	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	++++ 2043866	7450 6039209	37544	162513	468422	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	++++ 174897	670 504367	3149	13166	36235	++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	++++ 866463	3885 2495311	18887	80243	209531	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1 Analy Batch No.: 694173

SDG No.: _____

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 14:57 Calibration End Date: 05/13/2020 17:15 Calibration ID: 79949

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 911294	3968 2559545	19488	79625	210102	++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 244162	1057 665771	5281	19462	54935	++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	++++ 2805525	9961 7652282	52161	234136	628841	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	++++ 874334	3405 2373385	19018	78924	205337	++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	134811 143563	136561 155395	133340	131966	135578	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	159580 181063	161644 203078	155907	155305	162472	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	496991 539839	502107 581687	496605	494767	517272	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	150265 173684	154307 189848	153020	152848	160754	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD

Lin2 = Linear 1/conc^2 ISTD

Qua2 = Quadratic 1/conc^2 ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 13-May-2020 14:57:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD7
 Misc. Info.: 460-0110045-003
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:43:12 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: starzecm

Date: 13-May-2020 17:05:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Butadiene	54	1.621	1.614	0.006	75	858		0.2196	
* 31 TBA-d9 (IS)	66	2.941	2.934	0.007	68	42496	1000.0	1000.0	
36 Acrylonitrile	53	3.196	3.190	0.006	99	2547	2.00	2.19	M
* 43 2-Butanone-d5	46	3.963	3.963	0.000	95	375981	250.0	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	134811	50.0	49.9	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	83	159580	50.0	48.8	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	592114	50.0	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.721	0.000	75	29985	1000.0	1000.0	
81 Epichlorohydrin	57	6.384	6.378	0.006	28	1267	5.00	4.63	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	496991	50.0	51.3	
* 95 Chlorobenzene-d5	117	8.434	8.440	-0.006	88	403504	50.0	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	150265	50.0	49.7	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	227022	50.0	50.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

524freon_00022	Amount Added: 0.00	Units: uL	
8260MIX1COMB_00118	Amount Added: 0.00	Units: uL	
ACROLEIN W_00106	Amount Added: 0.00	Units: uL	
ACRY/EPIH MIX_00073	Amount Added: 20.00	Units: uL	
GASES Li_00367	Amount Added: 0.00	Units: uL	
8260SURR250_00207	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Operator ID:
Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

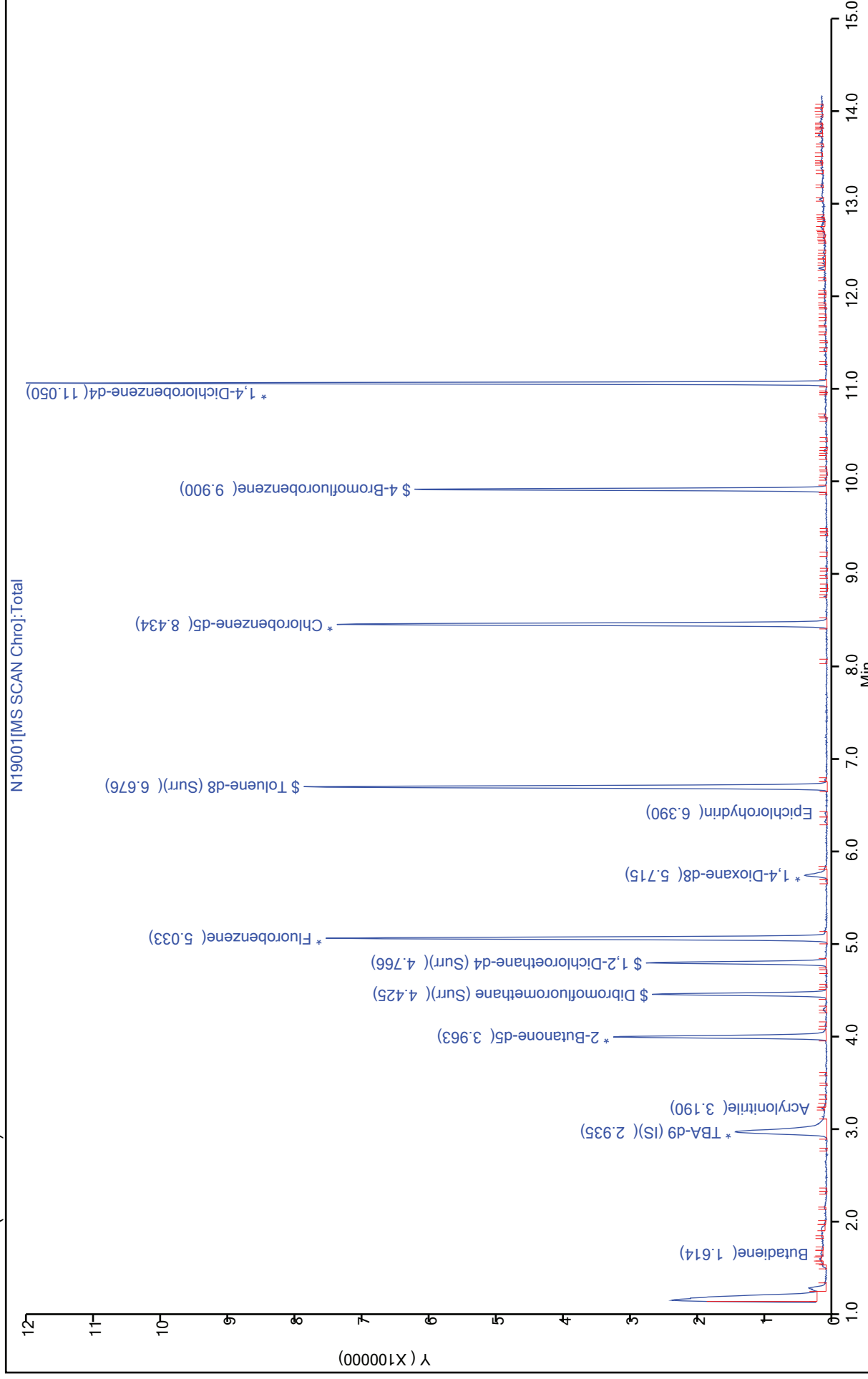
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

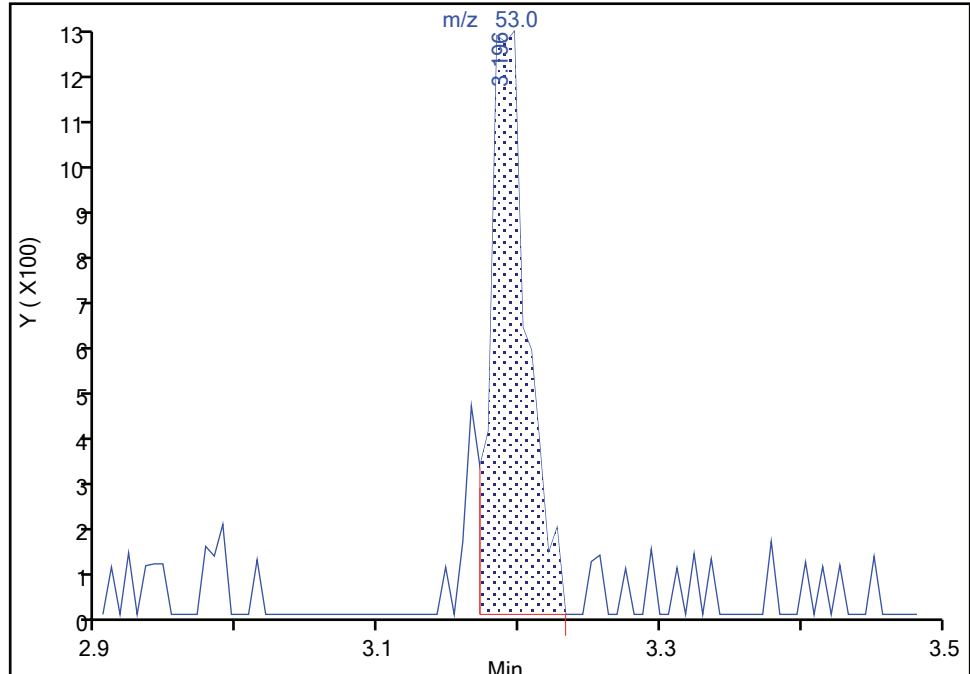
MS SCAN

36 Acrylonitrile, CAS: 107-13-1

Signal: 1

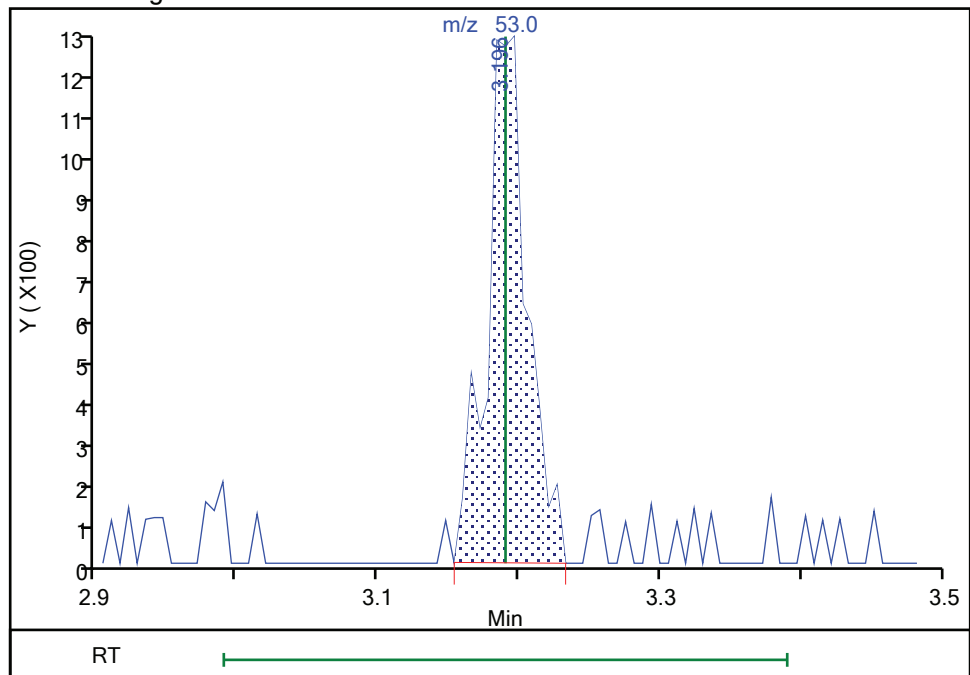
RT: 3.20
Area: 2329
Amount: 2.070539
Amount Units: ug/l

Processing Integration Results



RT: 3.20
Area: 2547
Amount: 2.190623
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:33:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

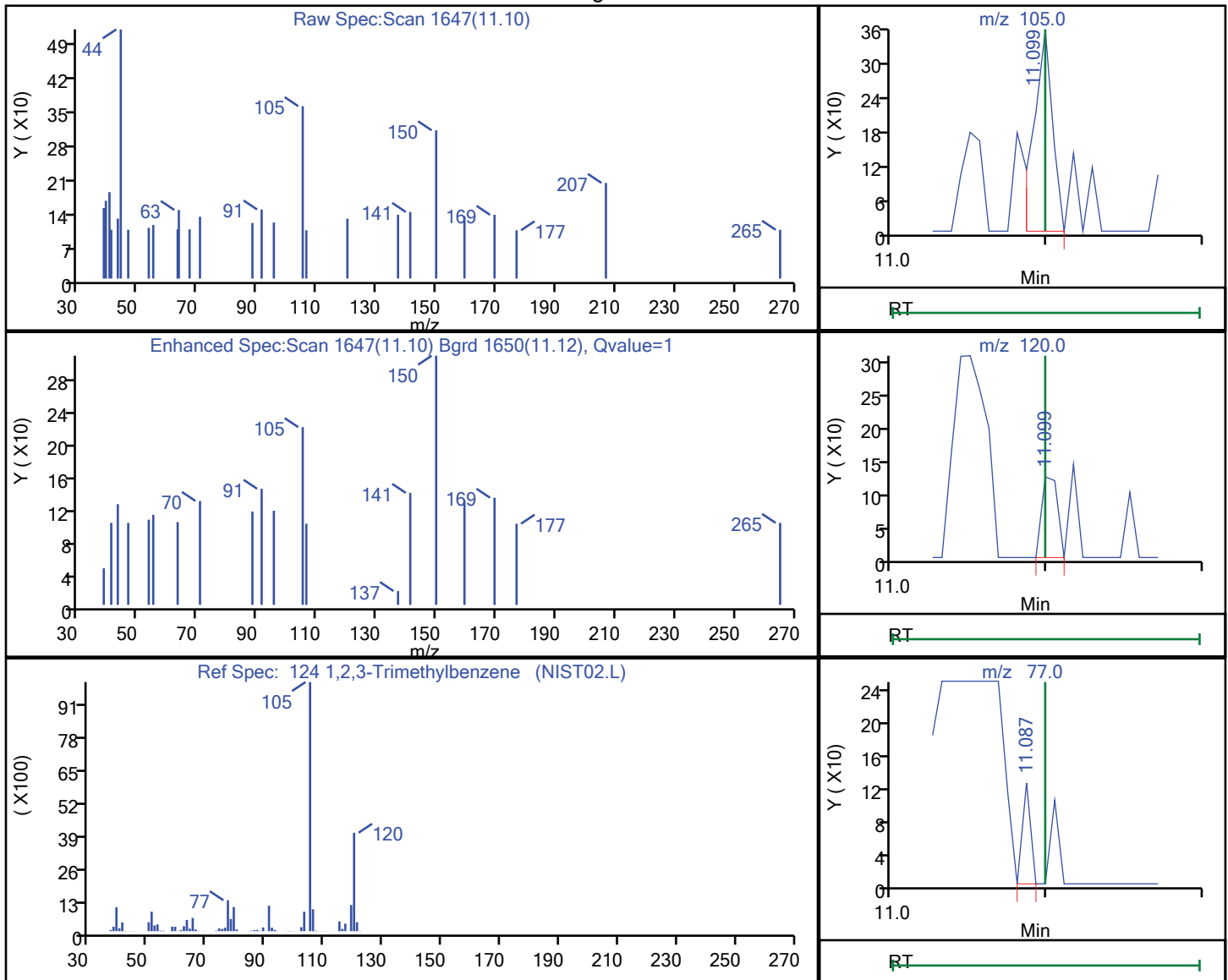
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

124 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
11.10	105.00	300	
11.10	120.00	88	
11.09	77.00	45	

Reviewer: baronm, 13-May-2020 19:32:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

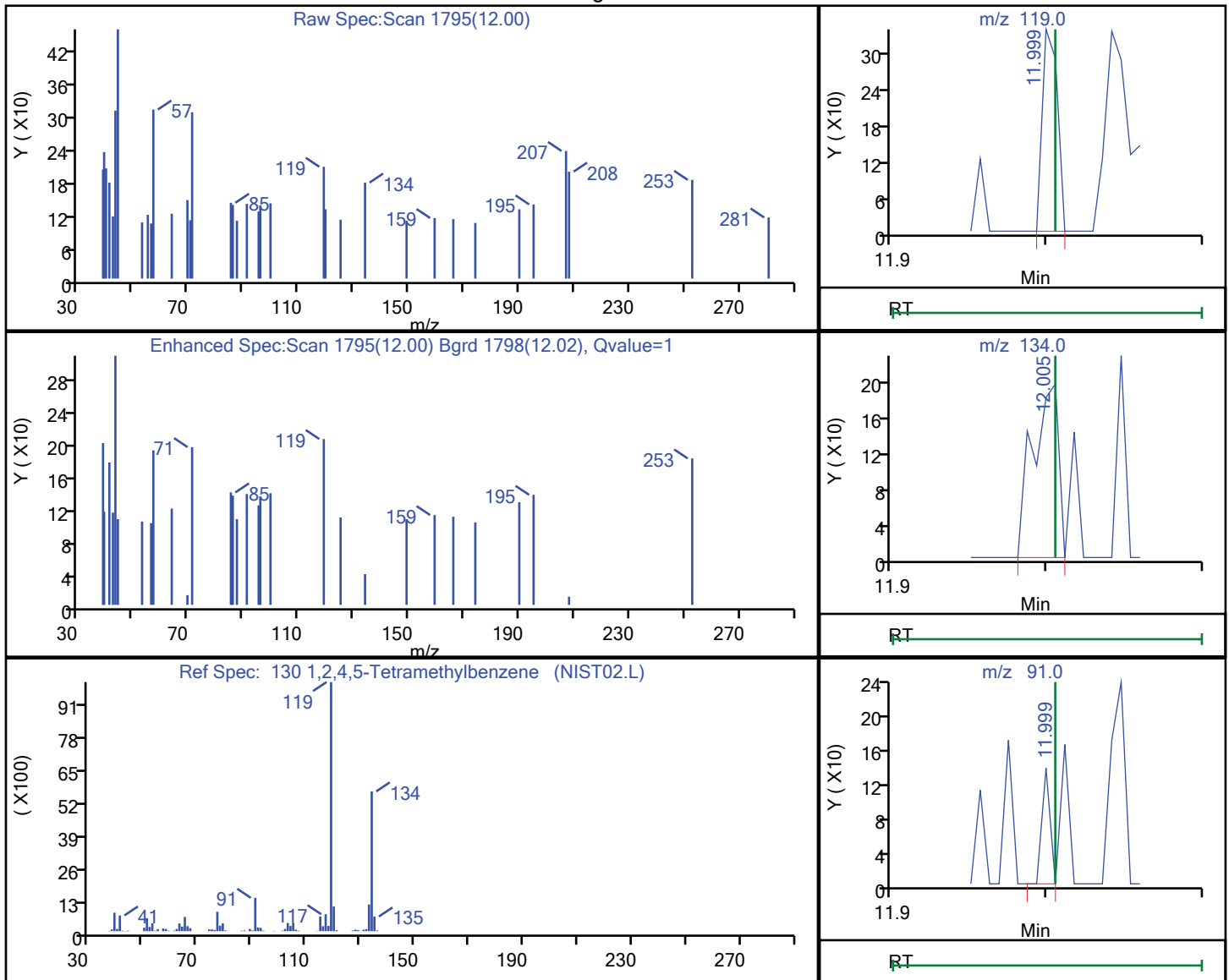
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

130 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
12.00	119.00	225	0.025821
12.01	134.00	222	
12.00	91.00	50	

Reviewer: baronm, 13-May-2020 19:32:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

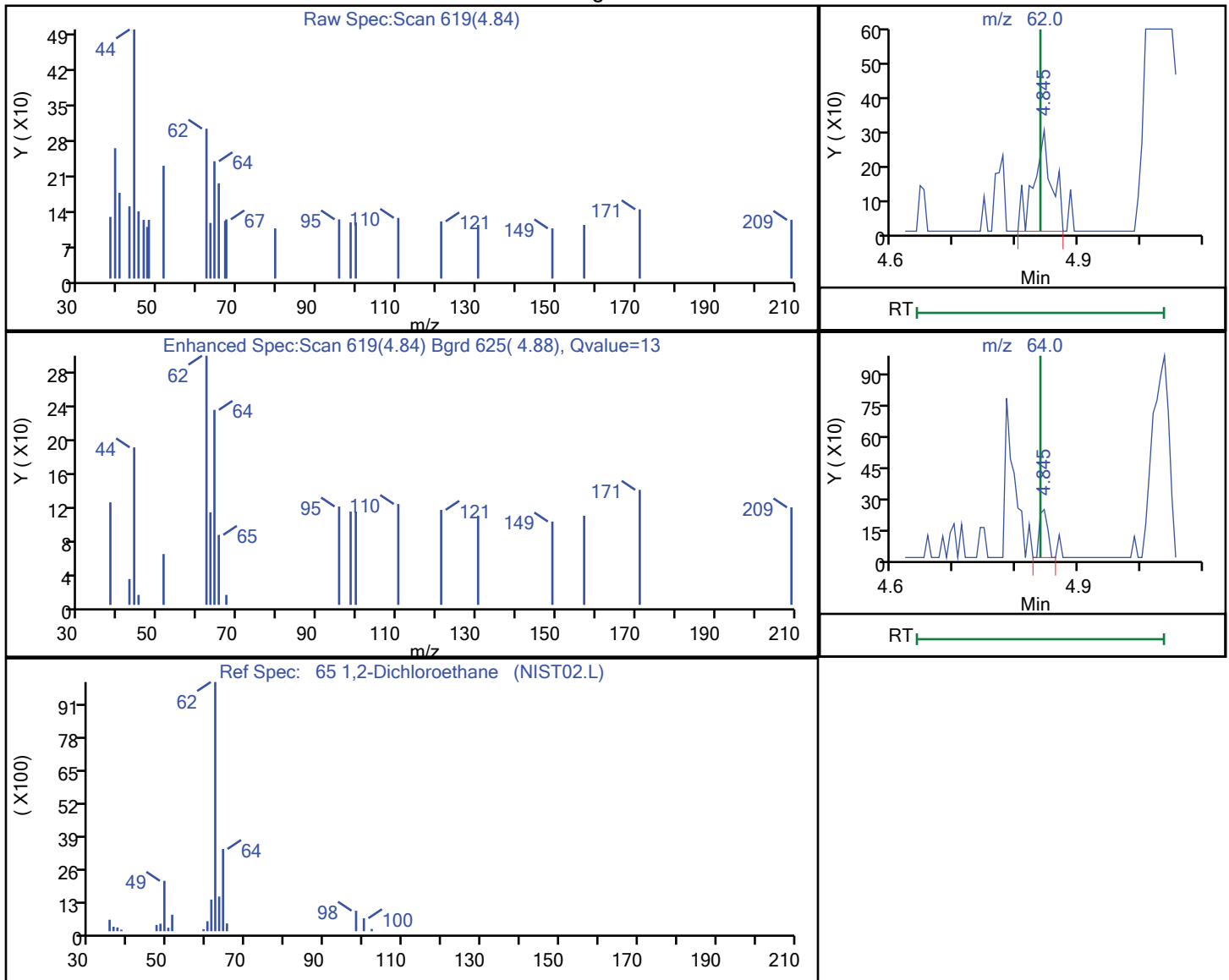
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

65 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.84	62.00	602	0.162740
4.84	64.00	214	

Reviewer: baronm, 13-May-2020 19:32:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

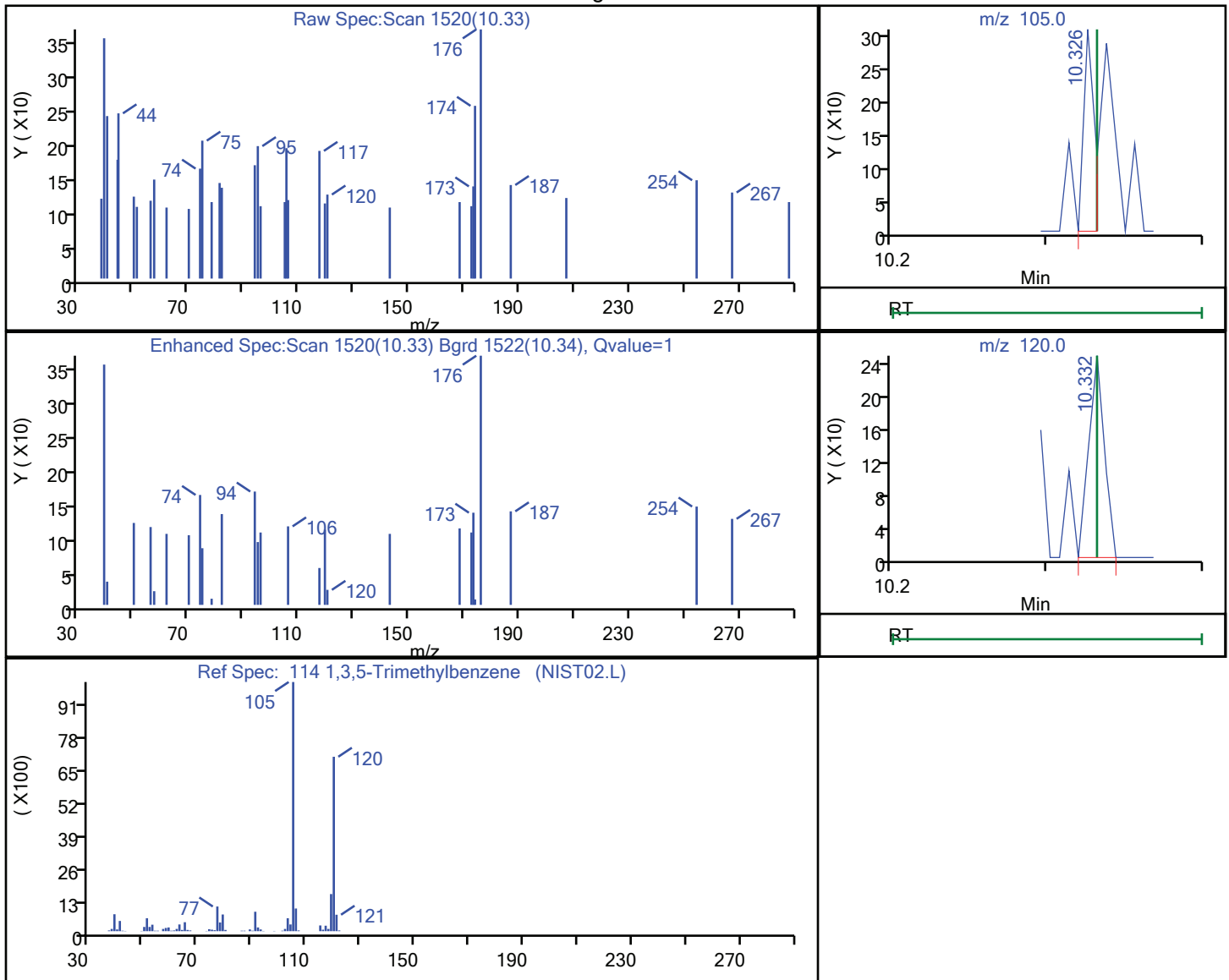
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector MS SCAN

114 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
10.33	105.00	152	0.017464
10.33	120.00	170	

Reviewer: baronm, 13-May-2020 19:32:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

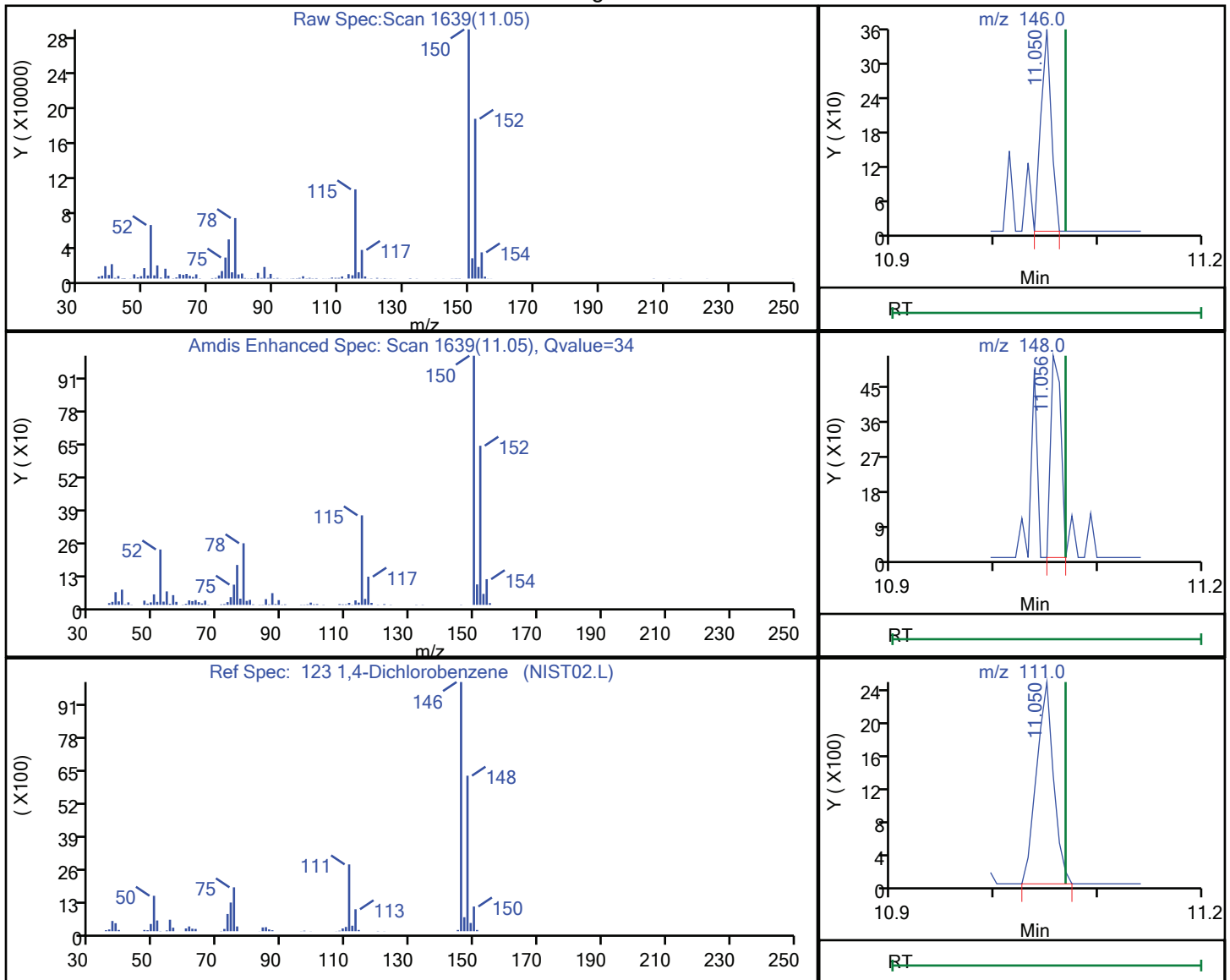
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

123 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
11.05	146.00	248	0.045218
11.06	148.00	358	
11.05	111.00	2811	

Reviewer: baronm, 13-May-2020 19:32:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

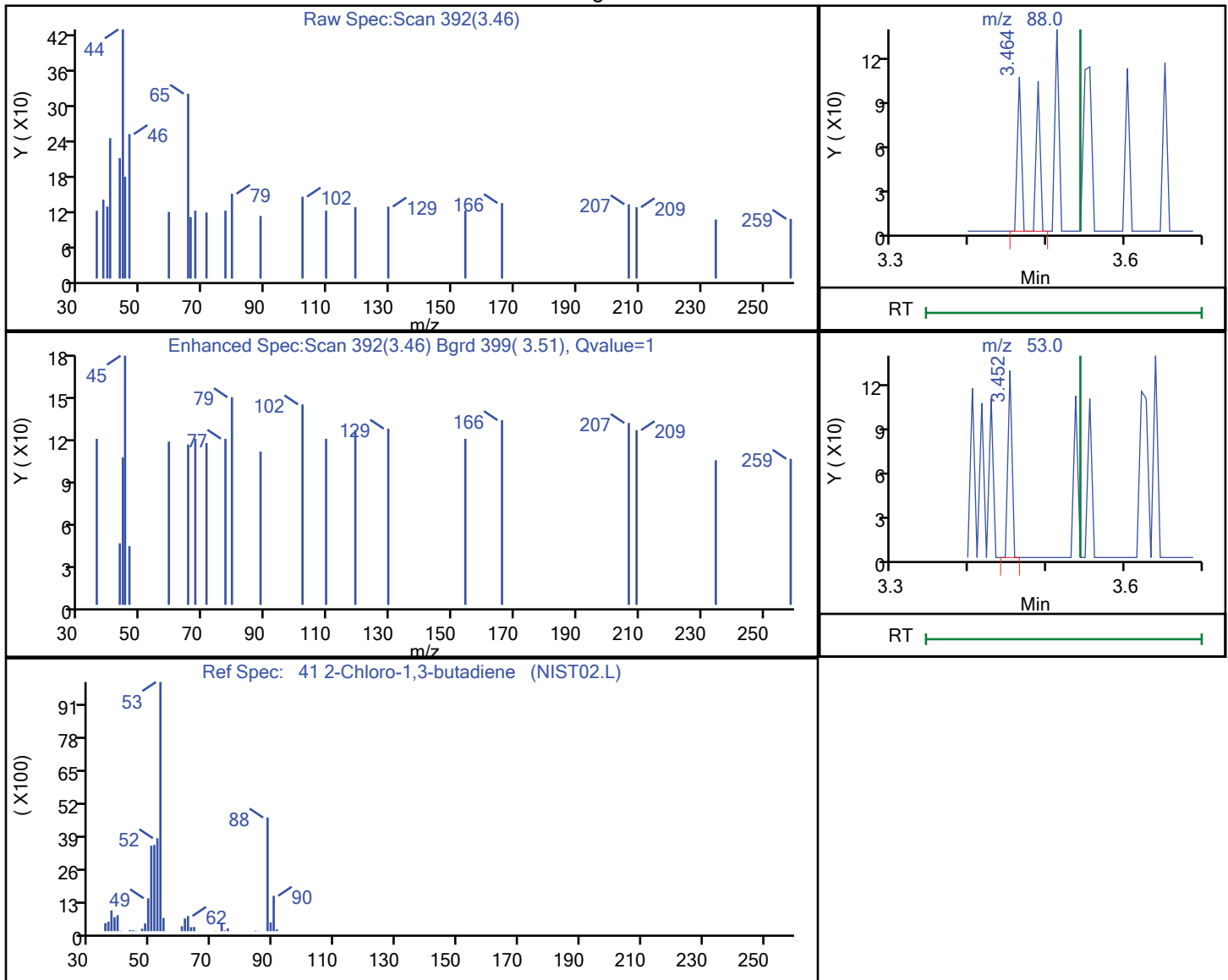
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

41 2-Chloro-1,3-butadiene, CAS: 126-99-8

Processing Results



RT	Mass	Response	Amount
3.46	88.00	77	0.034153
3.45	53.00	46	

Reviewer: baronm, 13-May-2020 19:32:28

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

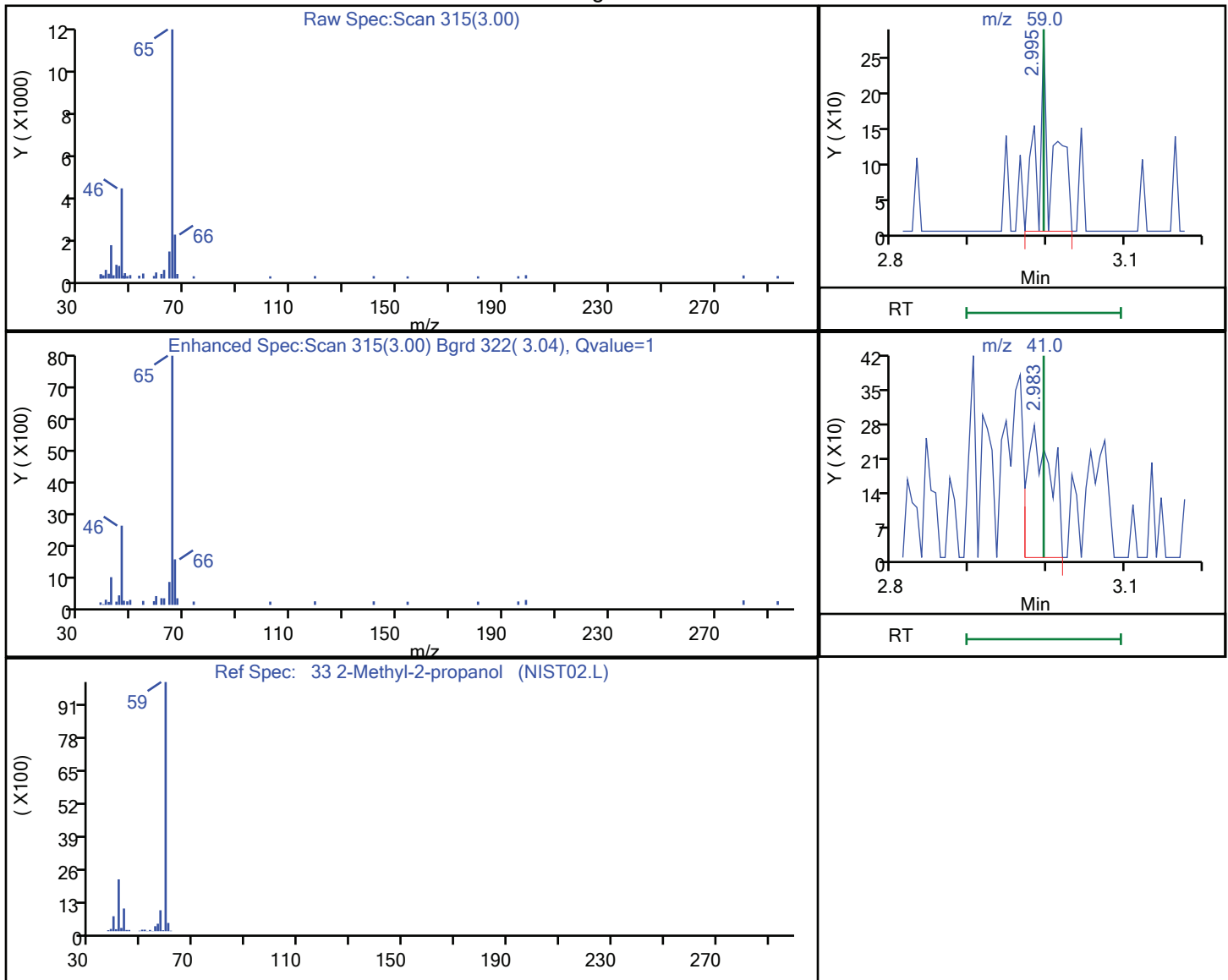
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

33 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
3.00	59.00	369	1.602429
2.98	41.00	568	

Reviewer: baronm, 13-May-2020 19:32:23

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

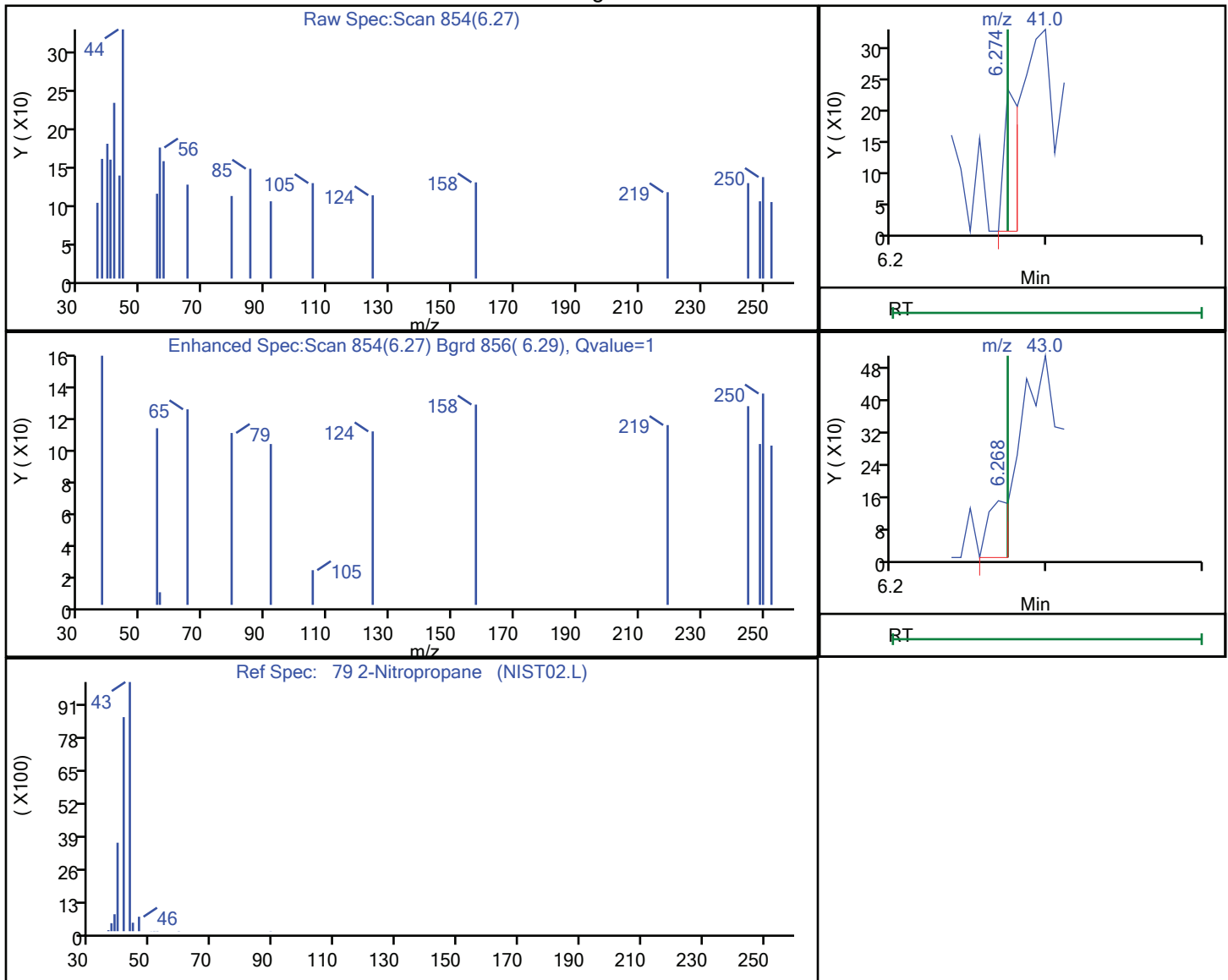
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
6.27	41.00	159	0.252229
6.27	43.00	144	

Reviewer: baronm, 13-May-2020 19:32:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

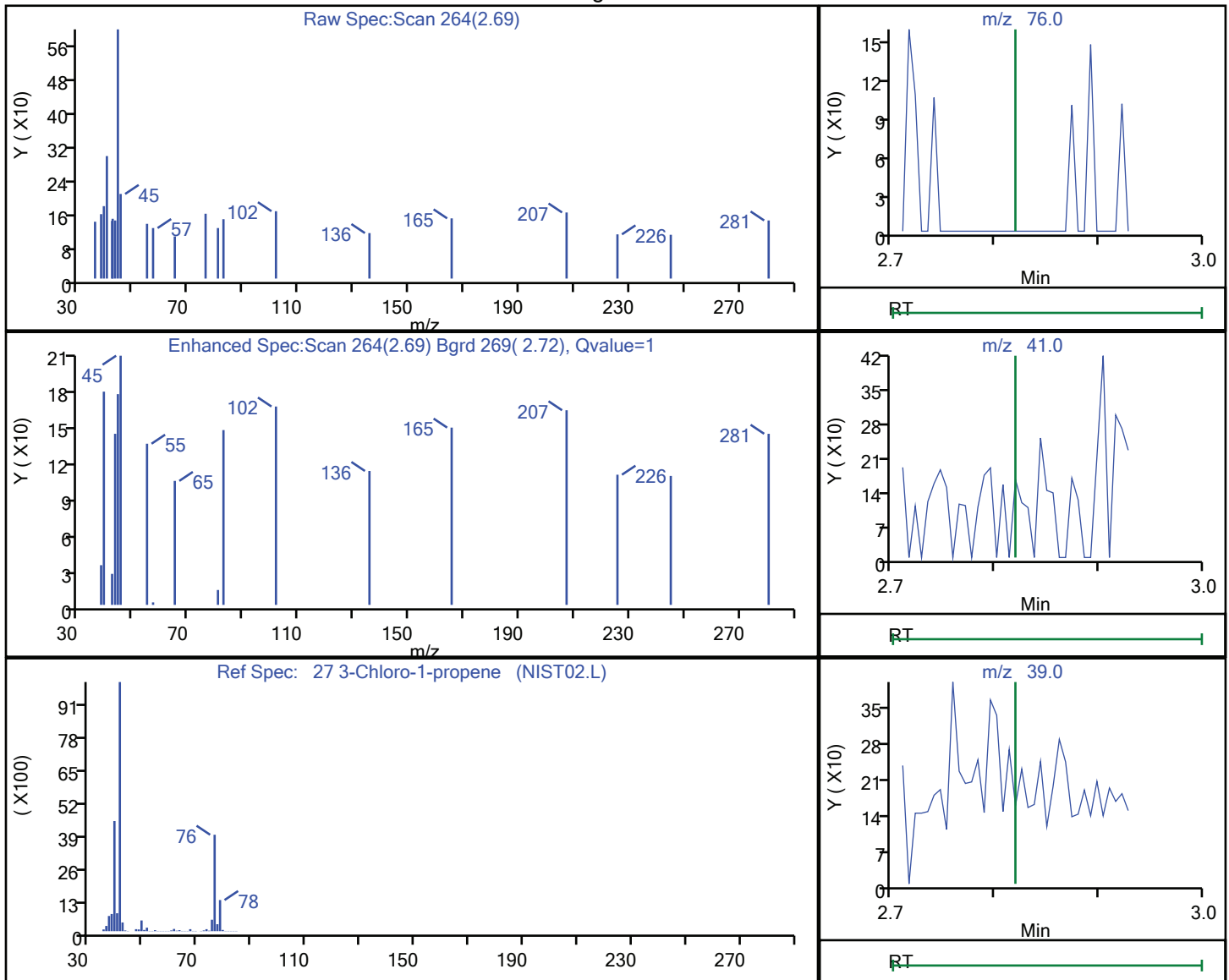
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

27 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
2.69	76.00	108	0.067633
2.68	41.00	127	
2.70	39.00	77	

Reviewer: baronm, 13-May-2020 19:32:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

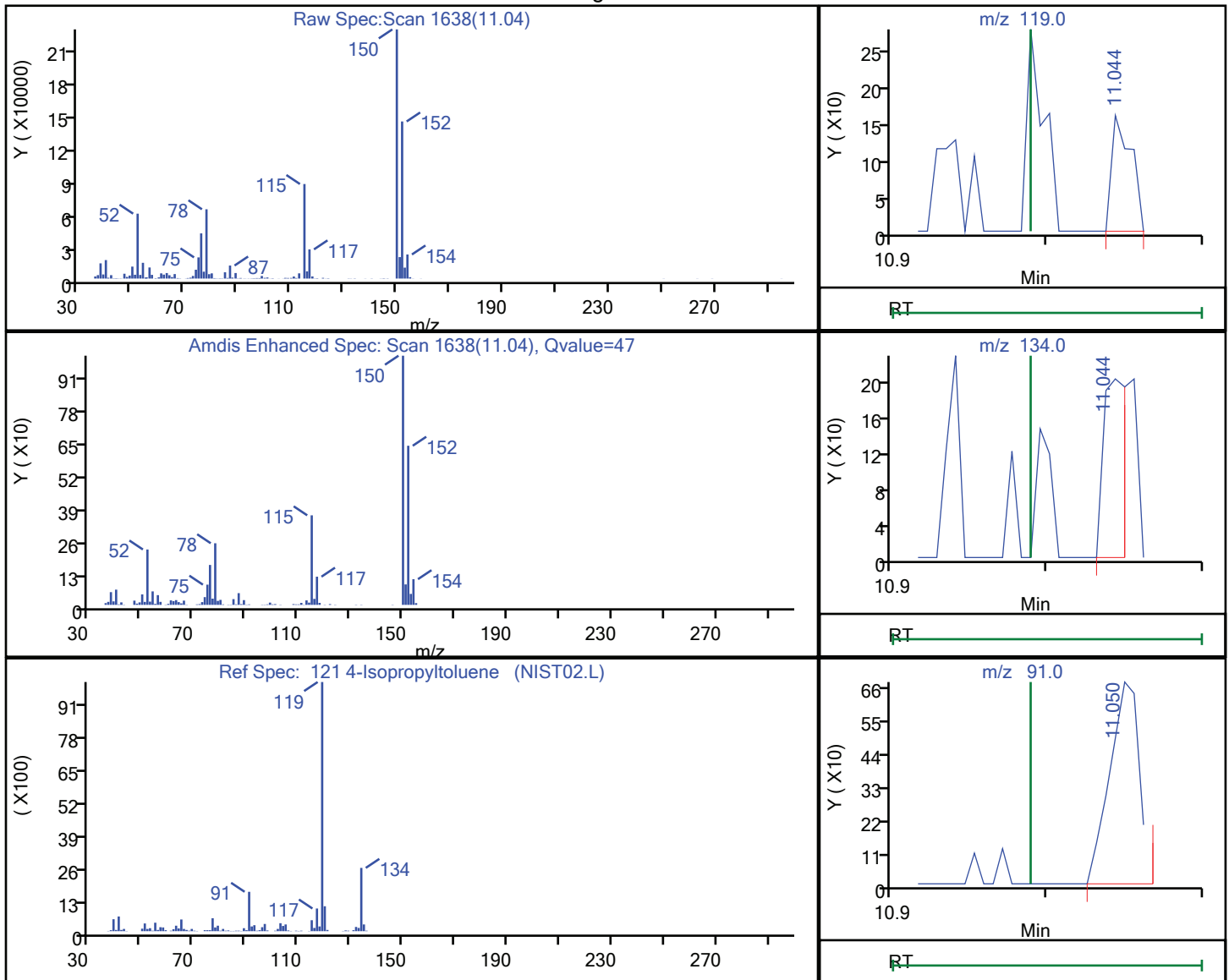
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

121 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
11.04	119.00	139	0.016975
11.04	134.00	211	
11.05	91.00	881	

Reviewer: baronm, 13-May-2020 19:32:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

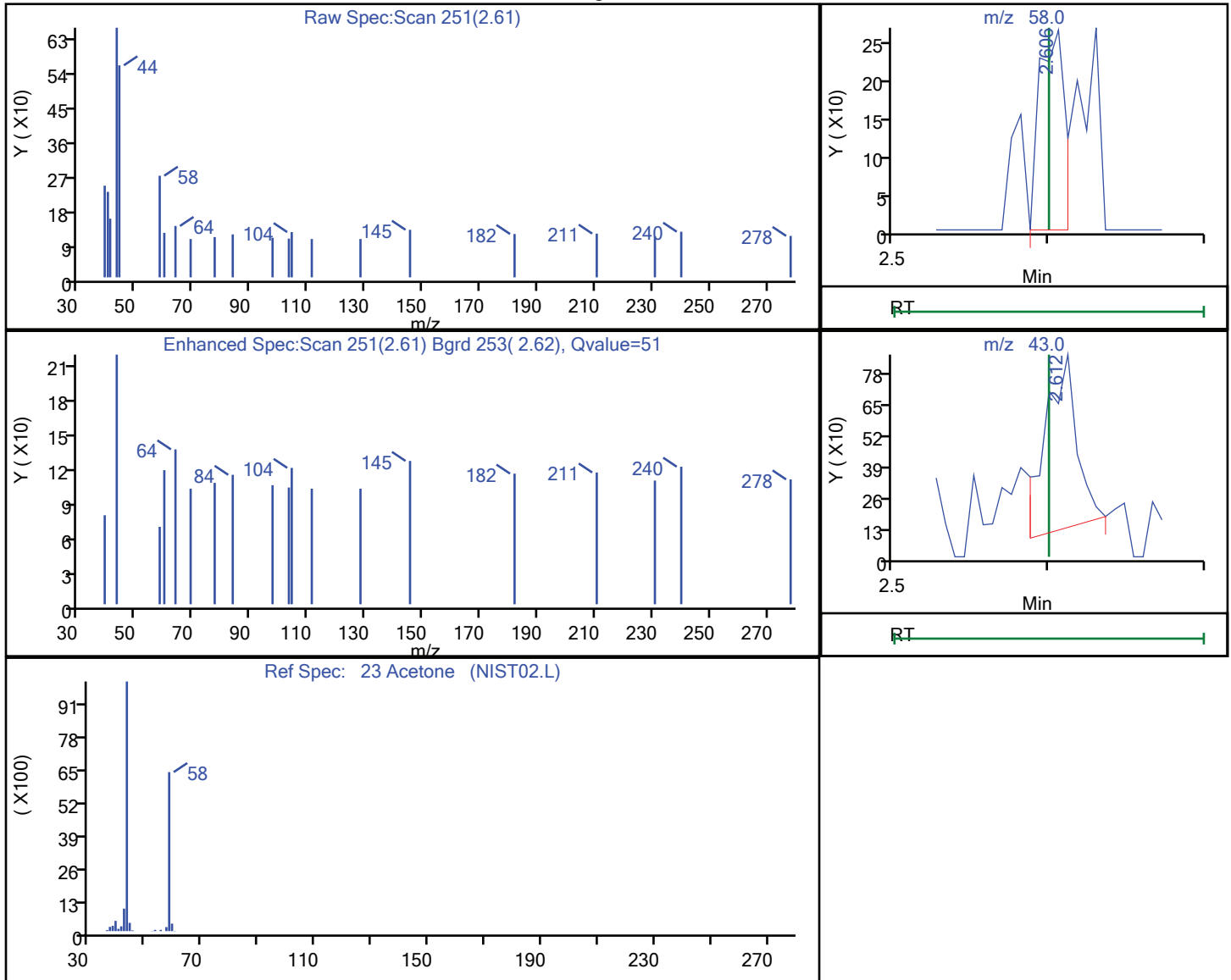
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.61	58.00	306	0.922254
2.61	43.00	1057	

Reviewer: baronm, 13-May-2020 19:32:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

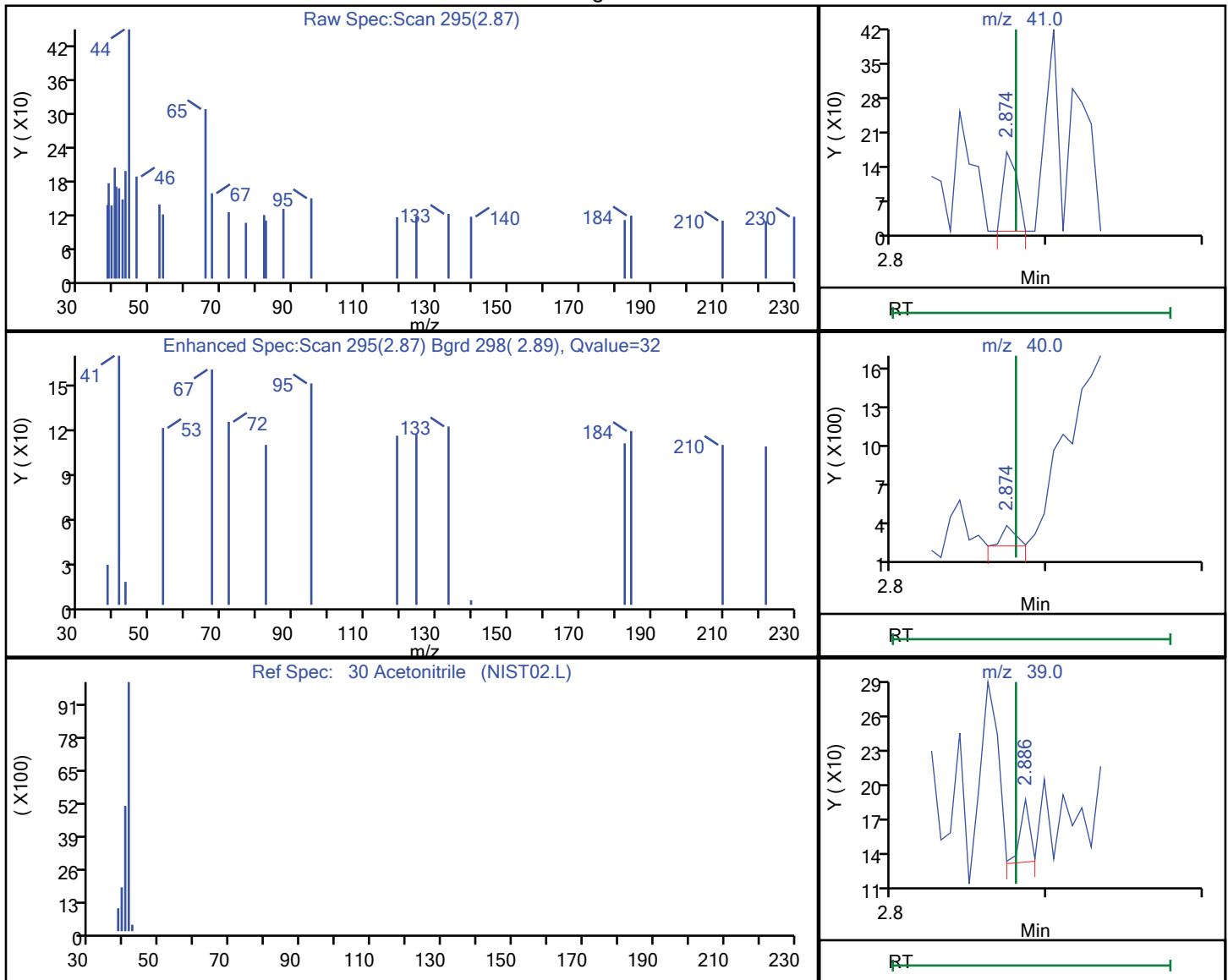
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

30 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.87	41.00	102	0.272712
2.87	40.00	93	
2.89	39.00	23	
2.89	38.00	509	

Reviewer: baronm, 13-May-2020 19:32:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

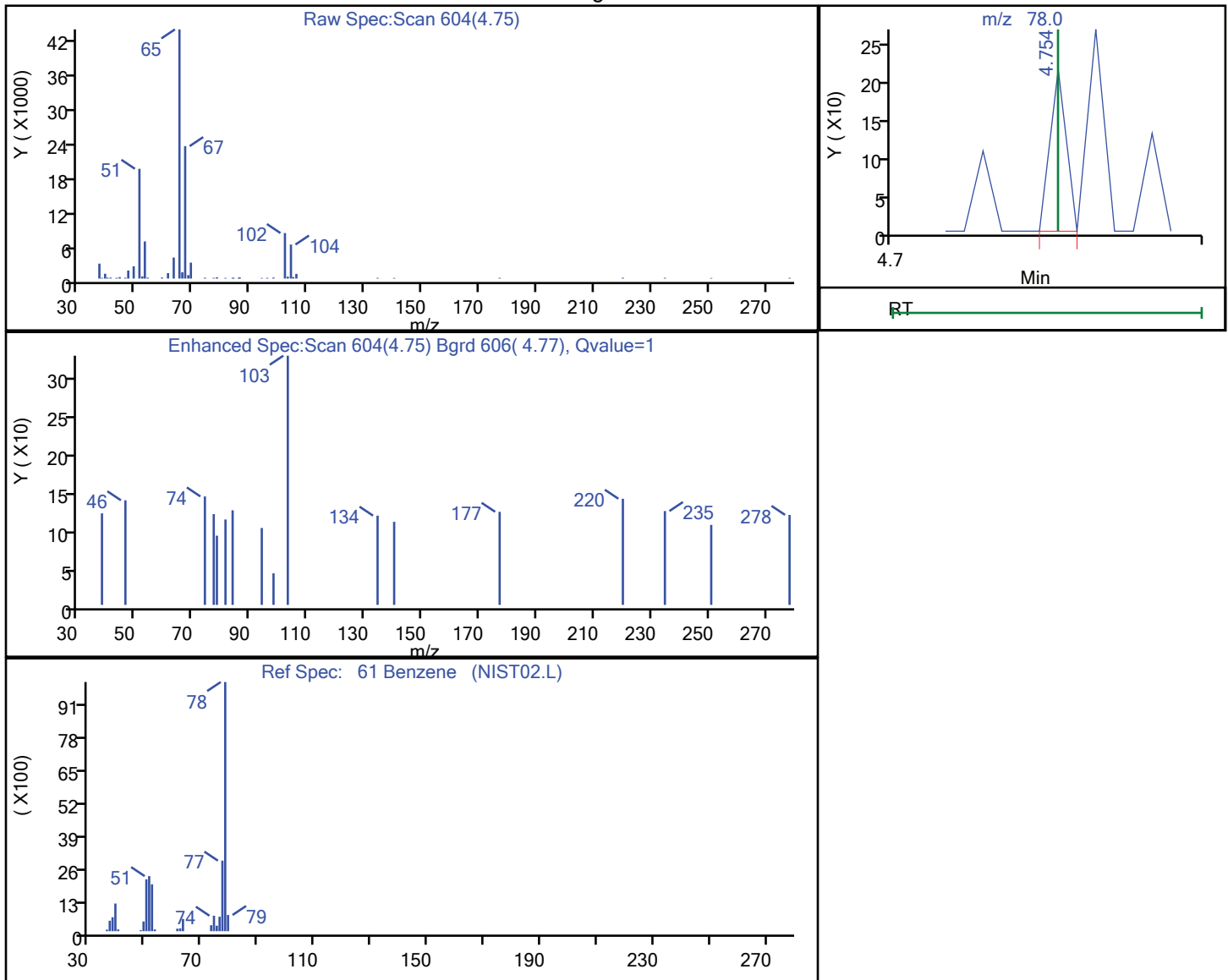
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

61 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
4.75	78.00	77	0.007665

Reviewer: baronm, 13-May-2020 19:32:33

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

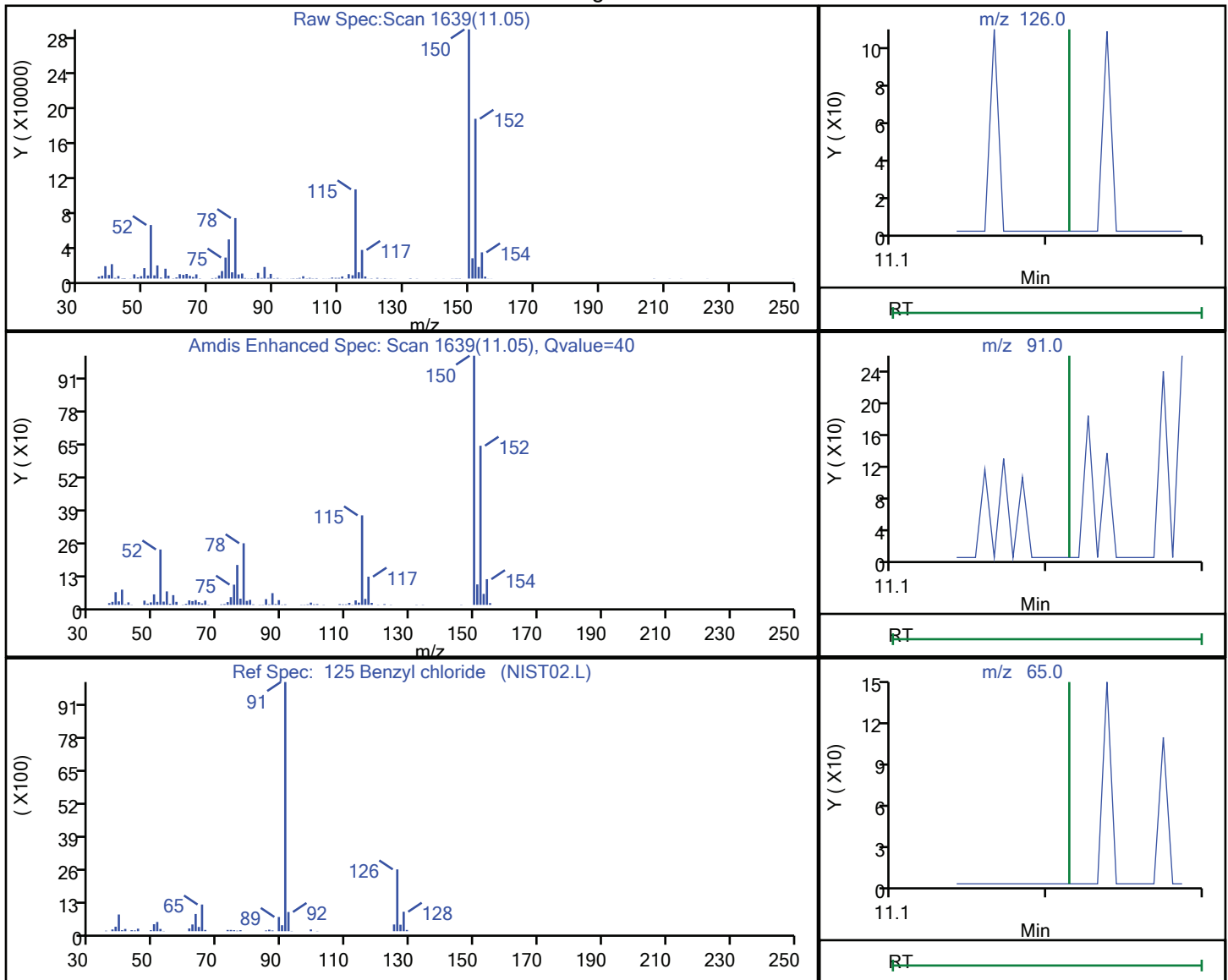
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

125 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
11.05	126.00	109	0.101887
11.05	91.00	881	
11.05	65.00	2162	

Reviewer: baronm, 13-May-2020 19:32:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

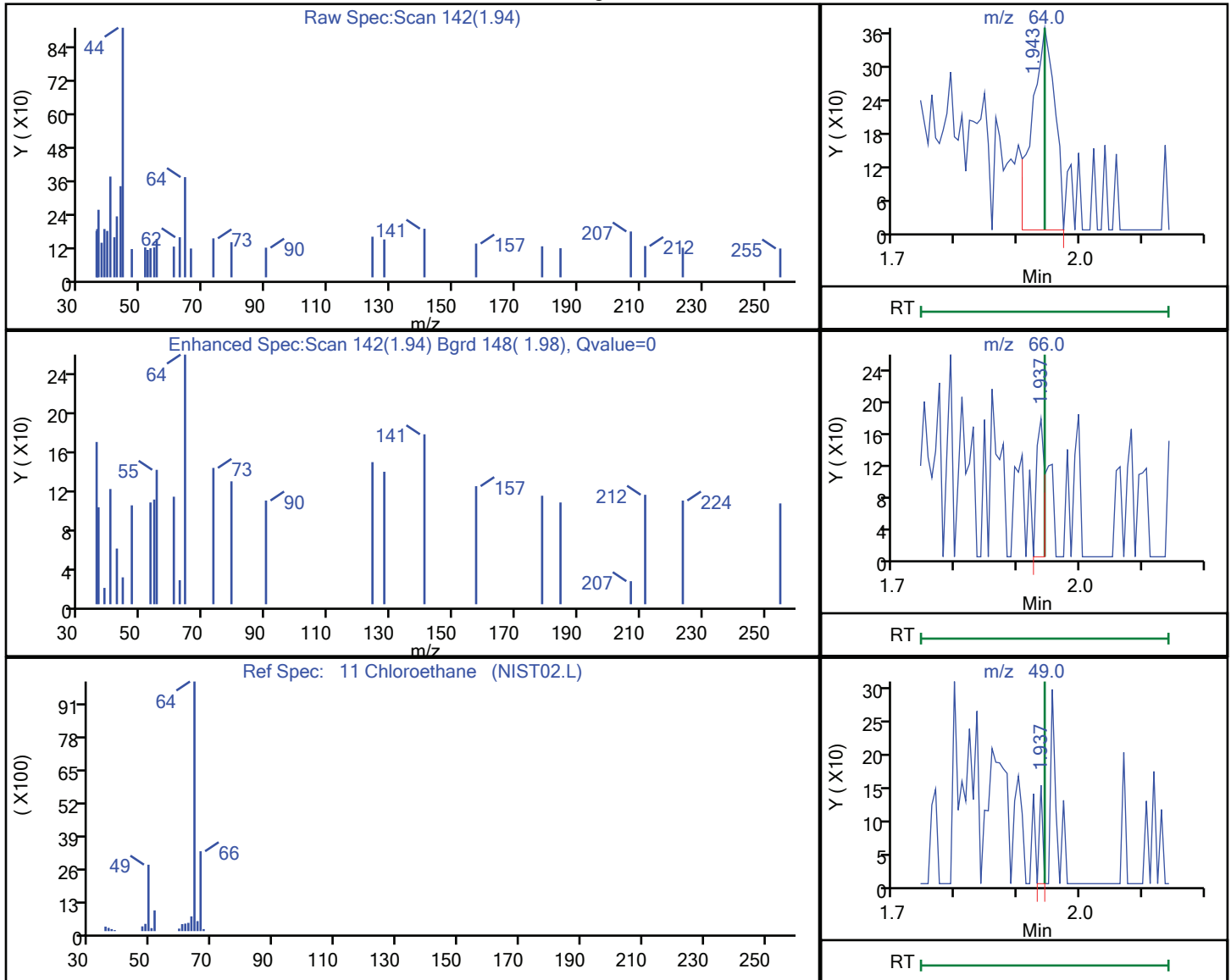
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

11 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.94	64.00	928	0.360092
1.94	66.00	154	
1.94	49.00	55	

Reviewer: baronm, 13-May-2020 19:32:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

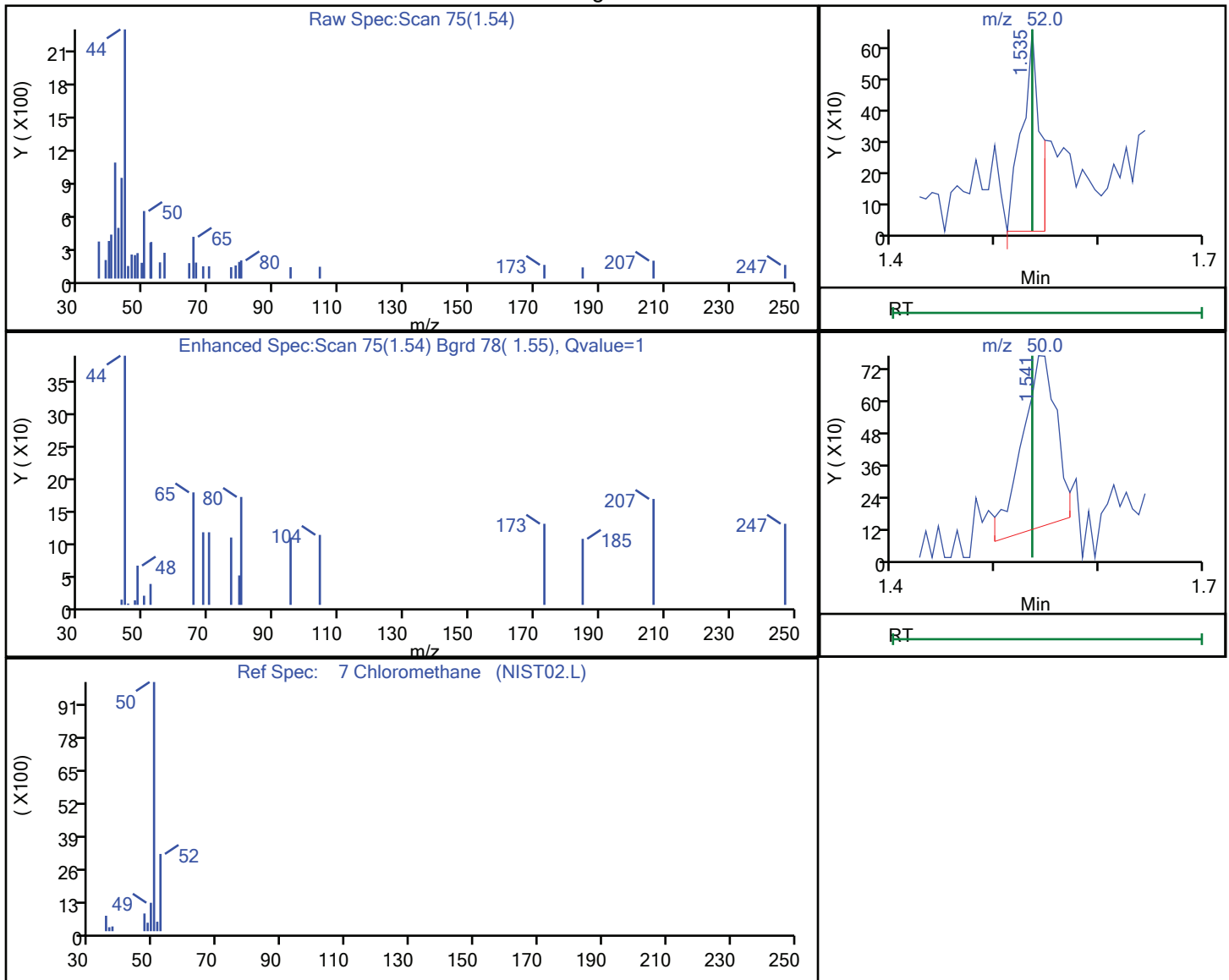
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector MS SCAN

7 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.54	52.00	793	0.453237
1.54	50.00	1528	

Reviewer: baronm, 13-May-2020 19:32:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

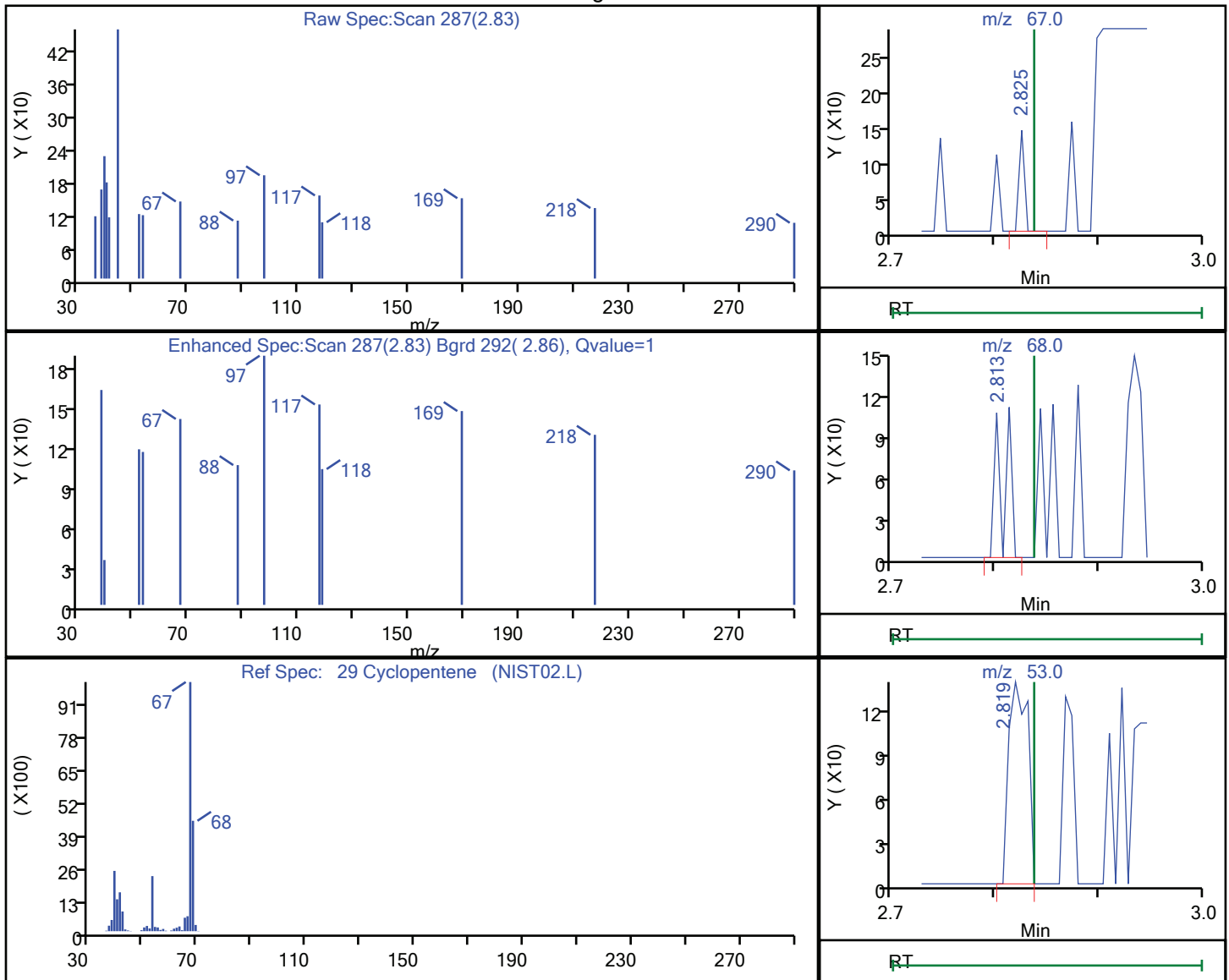
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

29 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
2.83	67.00	51	0.008407
2.81	68.00	77	
2.82	53.00	177	

Reviewer: baronm, 13-May-2020 19:32:19

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

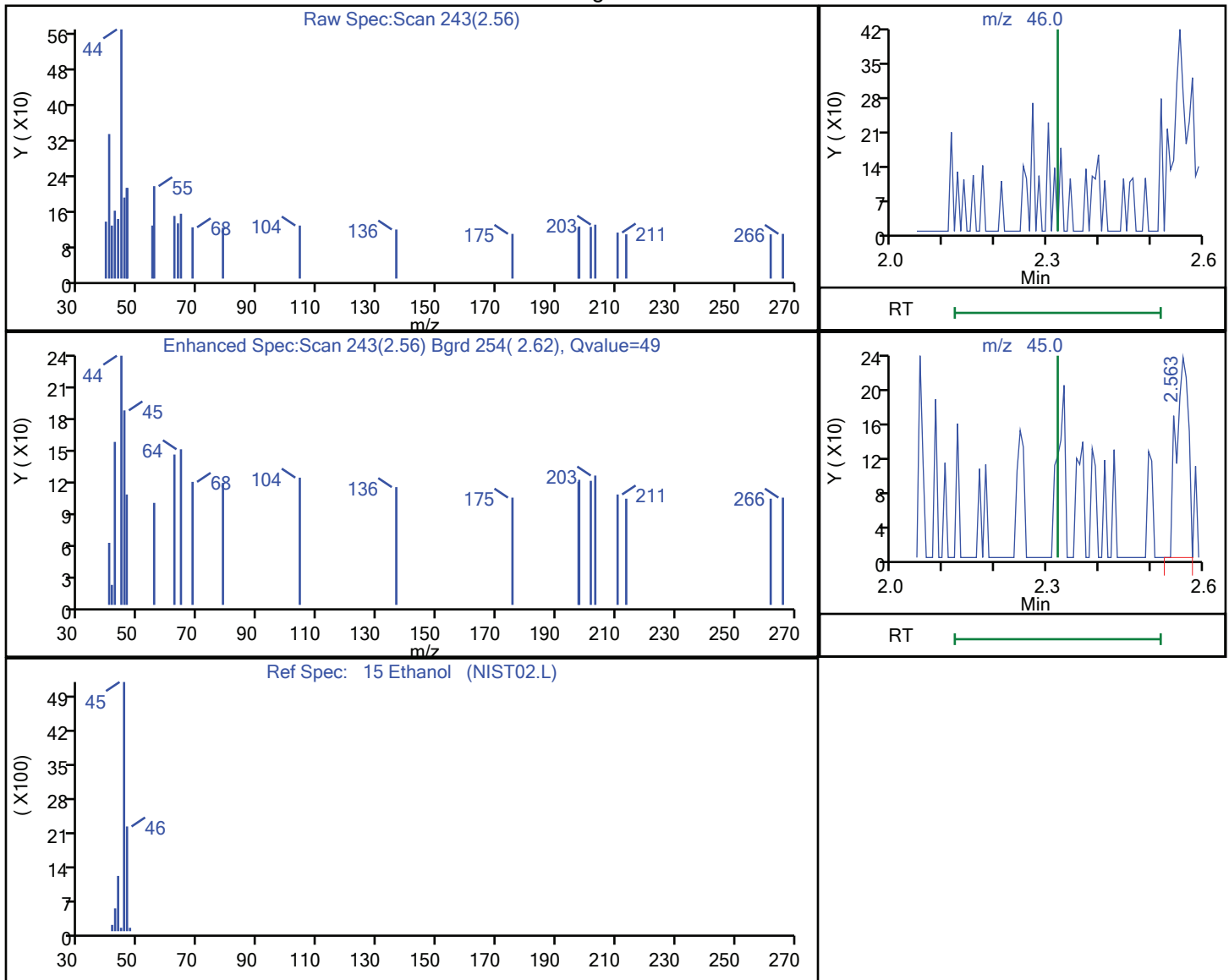
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector MS SCAN

15 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
2.56	46.00	1021	99.253278
2.56	45.00	379	

Reviewer: baronm, 13-May-2020 19:32:14

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

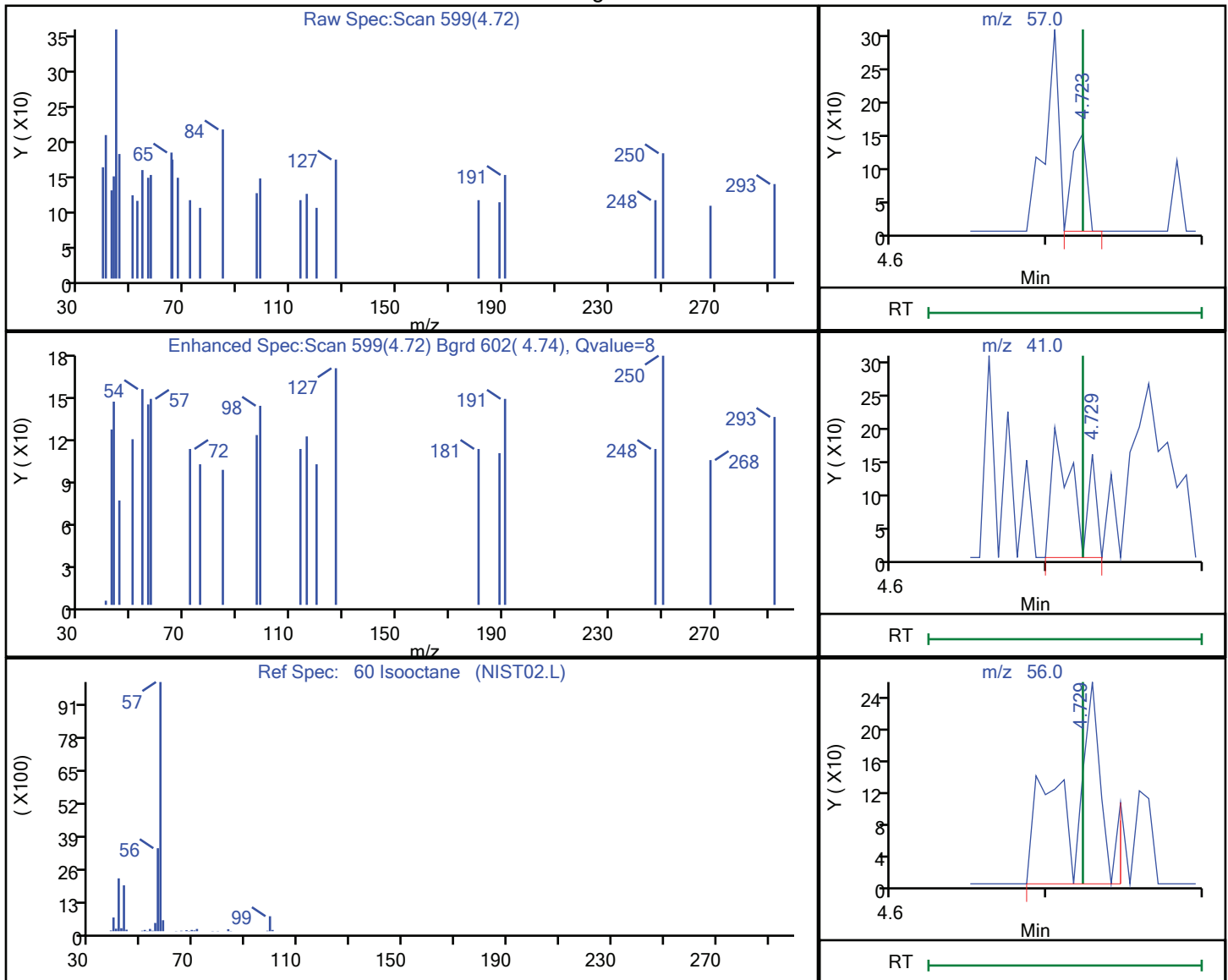
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

60 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
4.72	57.00	98	0.021722
4.73	41.00	218	
4.73	56.00	409	

Reviewer: baronm, 13-May-2020 19:32:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

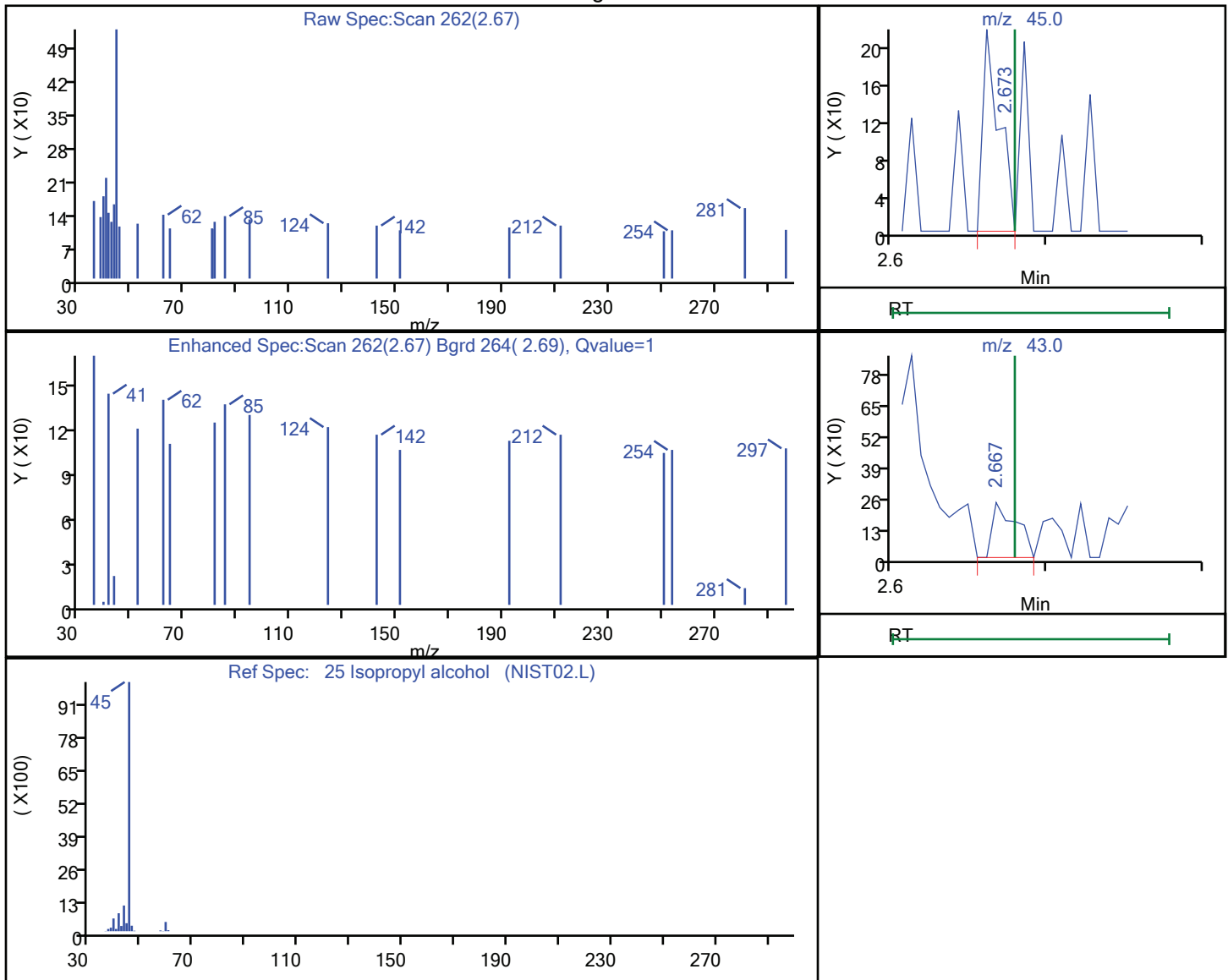
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
2.67	45.00	157	1.000509
2.67	43.00	249	

Reviewer: baronm, 13-May-2020 19:32:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

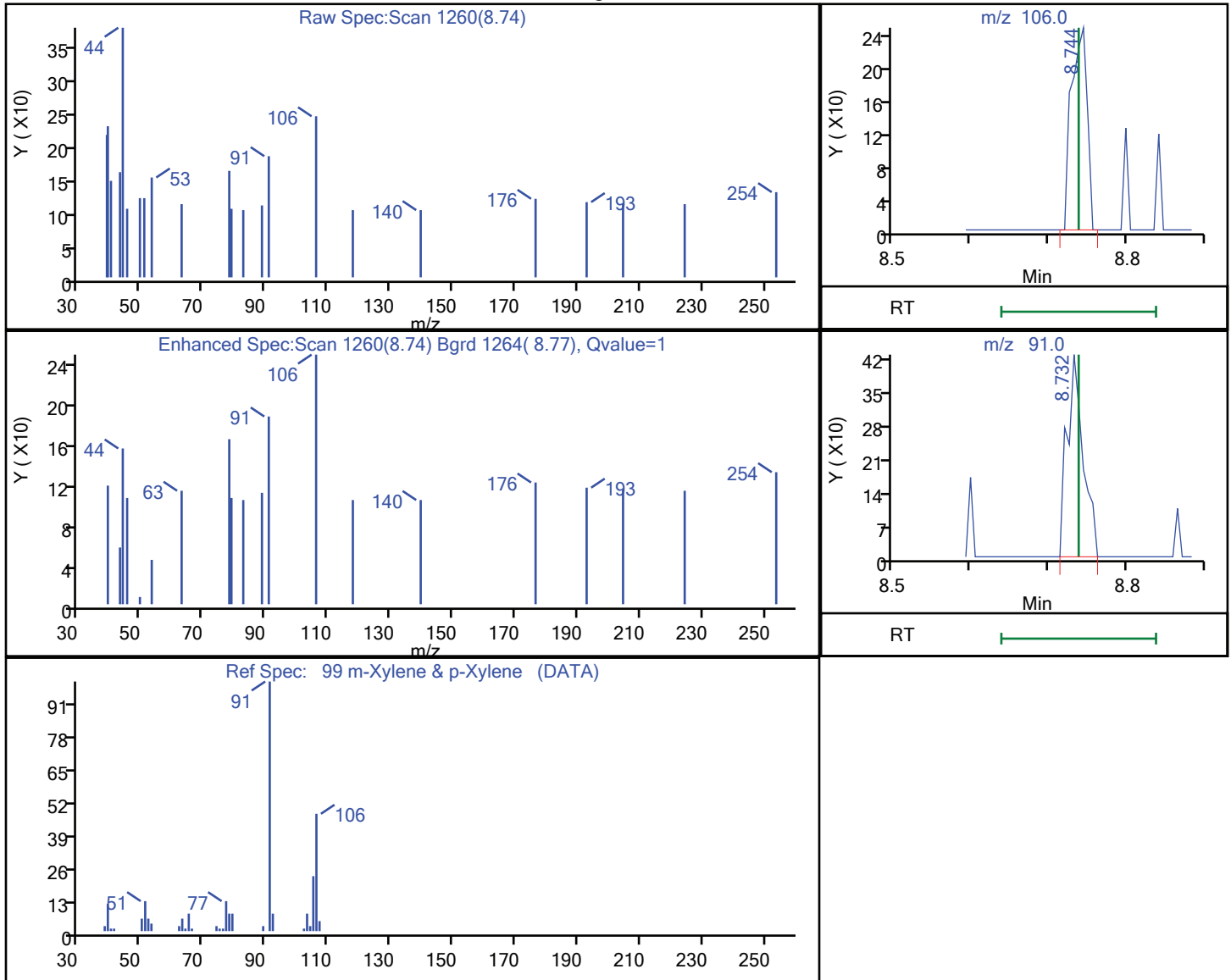
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

99 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
8.74	106.00	342	0.082694
8.73	91.00	611	

Reviewer: baronm, 13-May-2020 19:32:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

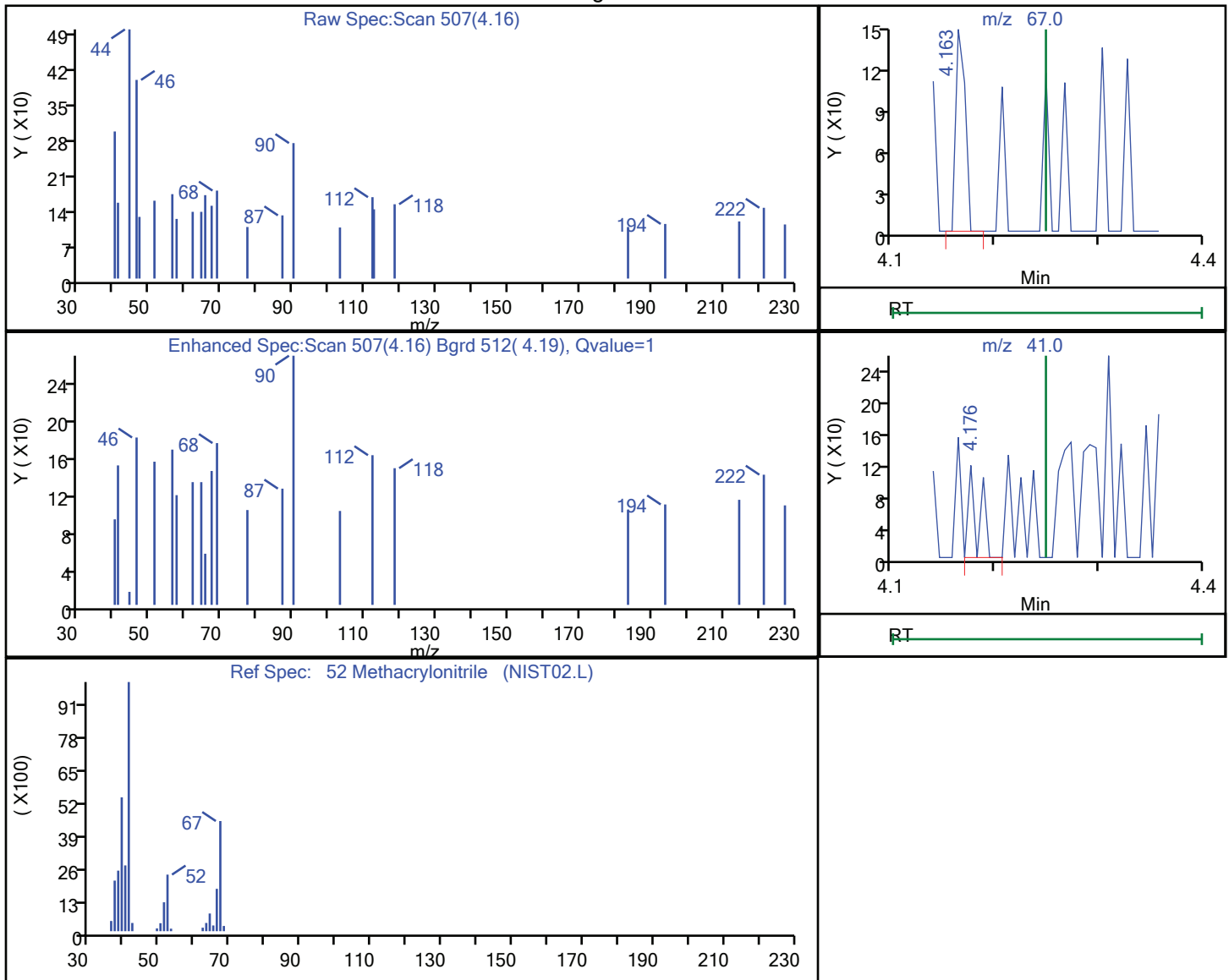
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector MS SCAN

52 Methacrylonitrile, CAS: 126-98-7

Processing Results



RT	Mass	Response	Amount
4.16	67.00	91	0.068506
4.18	41.00	78	

Reviewer: baronm, 13-May-2020 19:32:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

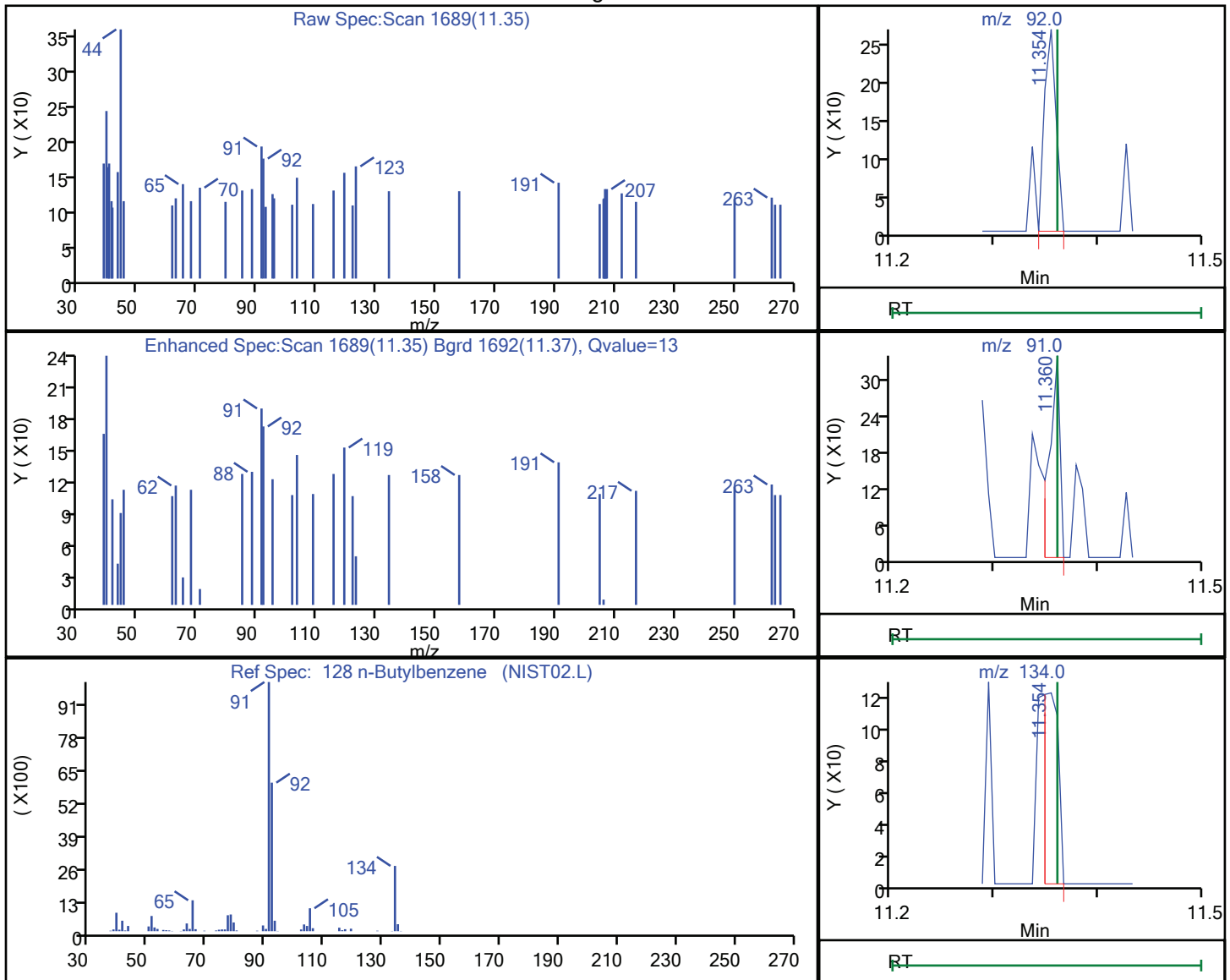
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

128 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.35	92.00	212	0.055267
11.36	91.00	235	
11.35	134.00	129	

Reviewer: baronm, 13-May-2020 19:32:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

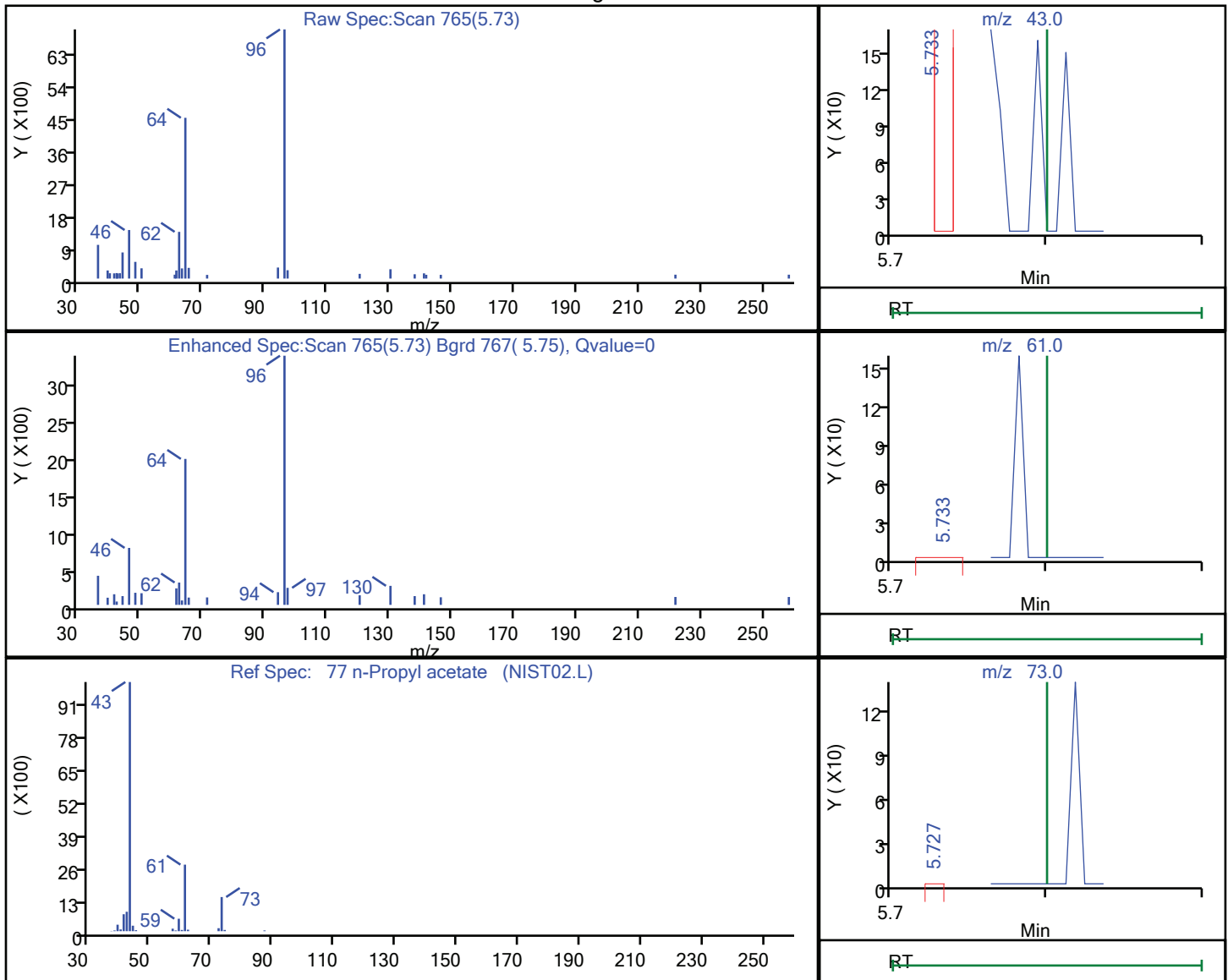
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

77 n-Propyl acetate, CAS: 109-60-4

Processing Results



RT	Mass	Response	Amount
5.73	43.00	142	0.032948
5.73	61.00	264	
5.73	73.00	41	

Reviewer: baronm, 13-May-2020 19:32:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

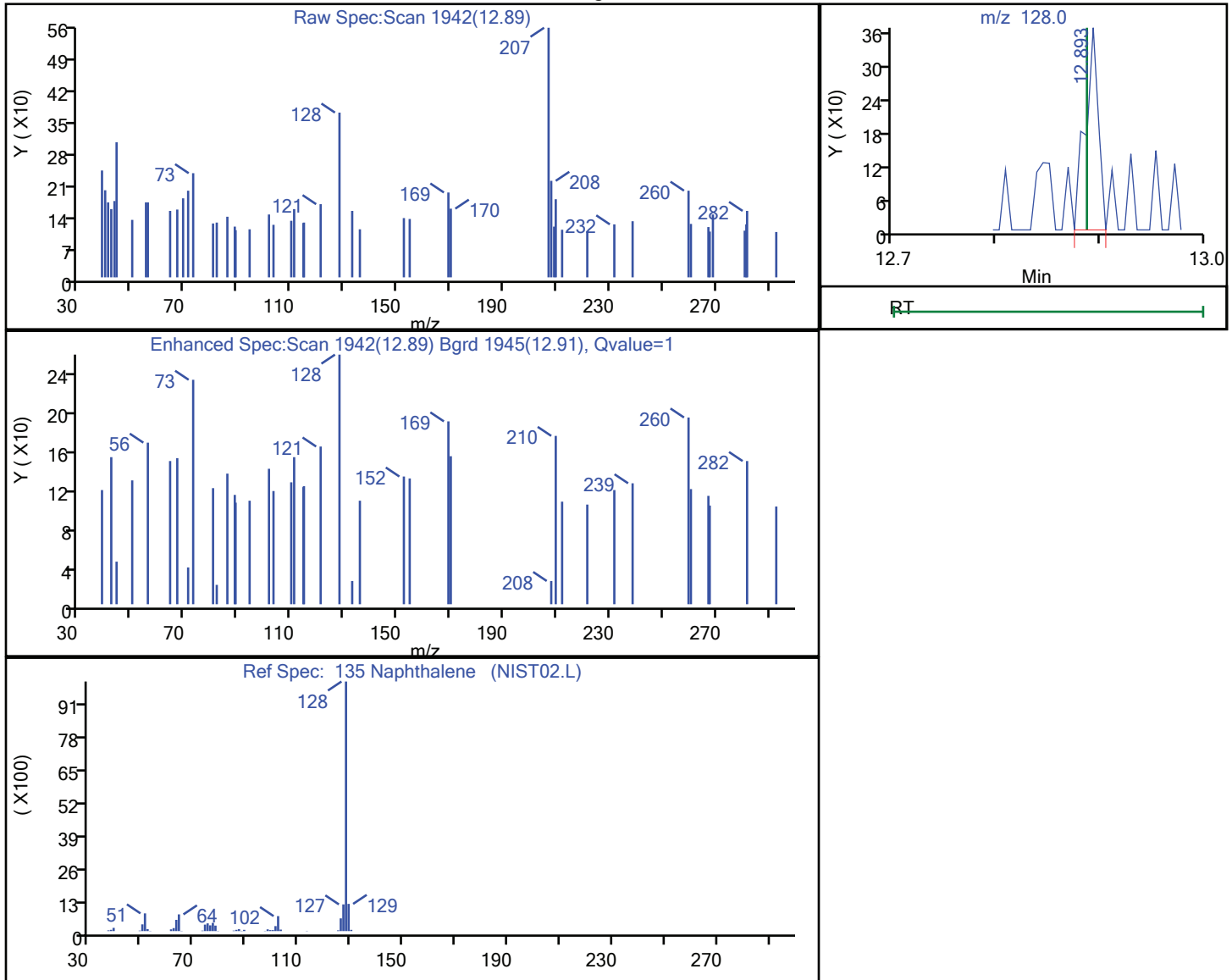
Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector MS SCAN

135 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
12.89	128.00	324	0.027989

Reviewer: baronm, 13-May-2020 19:33:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

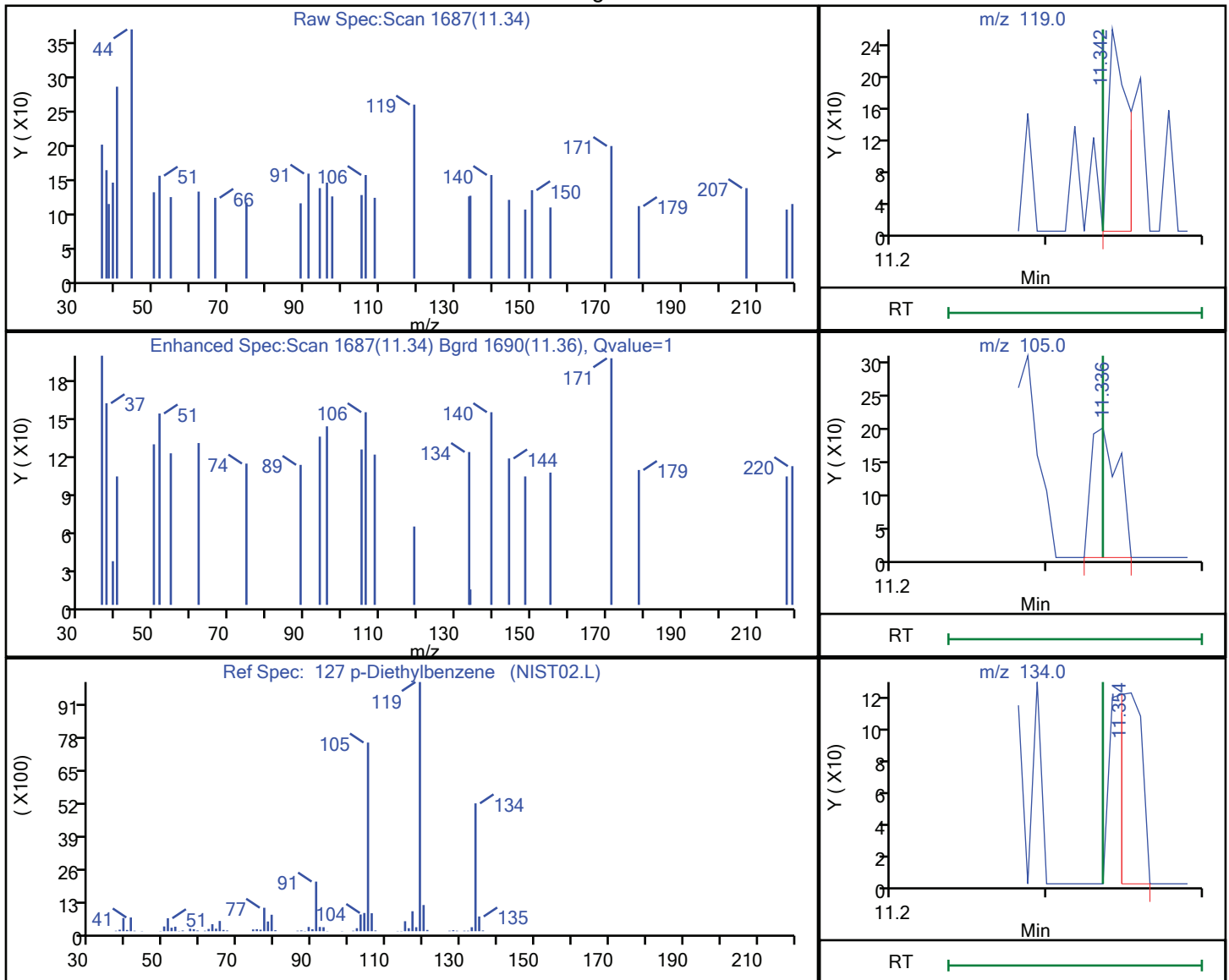
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

127 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
11.34	119.00	213	0.050937
11.34	105.00	239	
11.35	134.00	129	

Reviewer: baronm, 13-May-2020 19:32:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

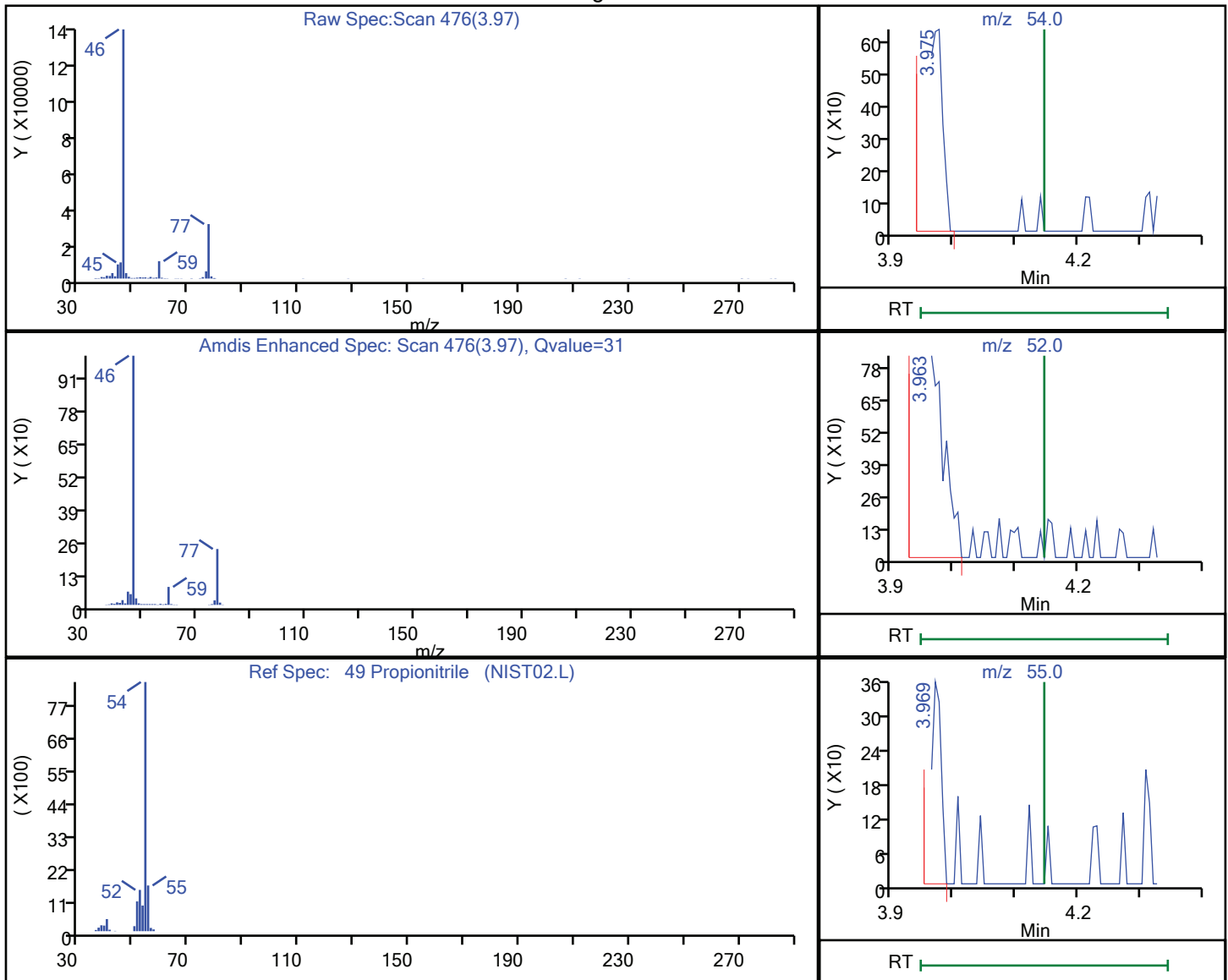
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

49 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
3.97	54.00	1250	2.898777
3.96	52.00	2042	
3.97	55.00	491	

Reviewer: baronm, 13-May-2020 19:32:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

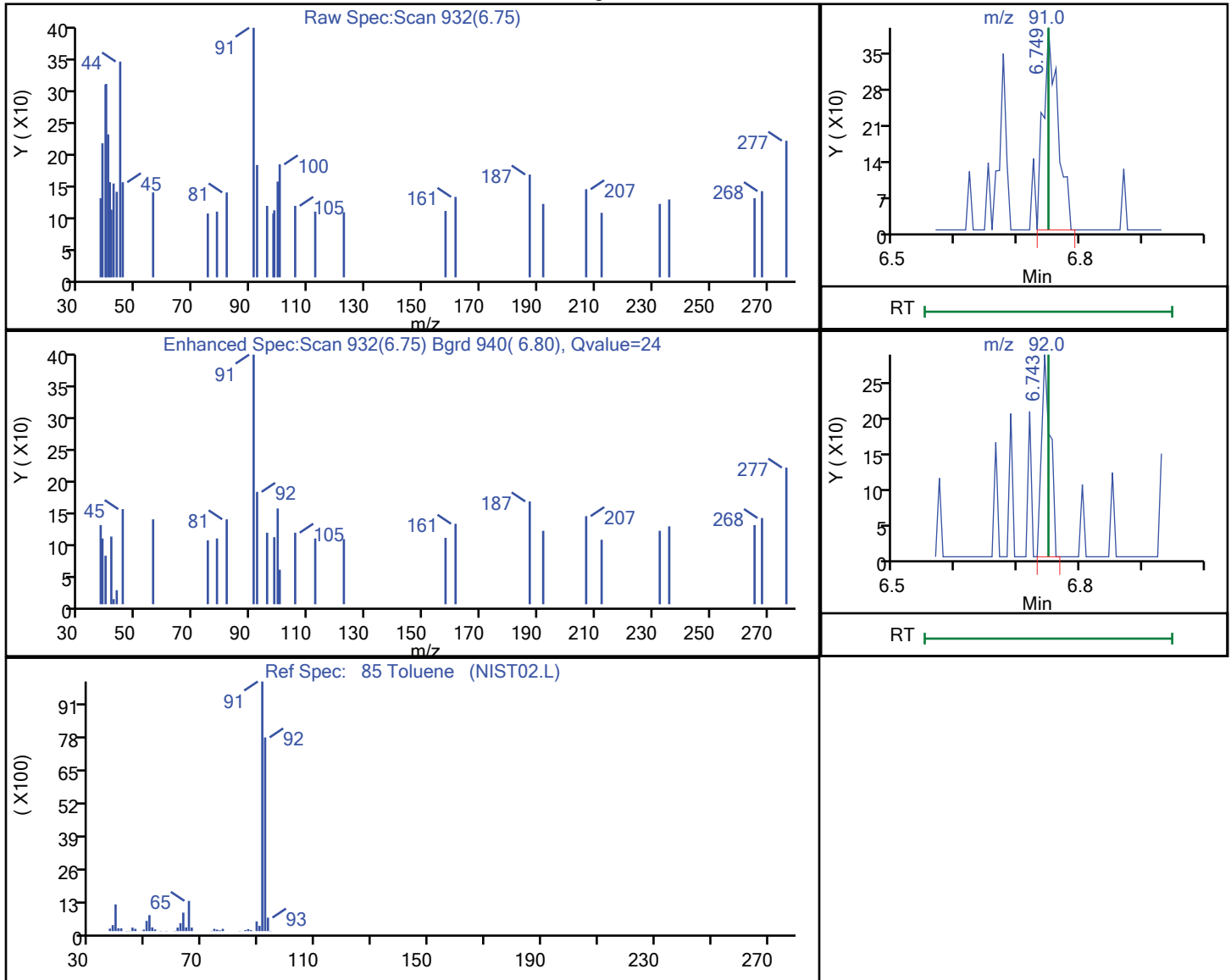
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

85 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.75	91.00	644	0.062648
6.74	92.00	282	

Reviewer: baronm, 13-May-2020 19:32:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

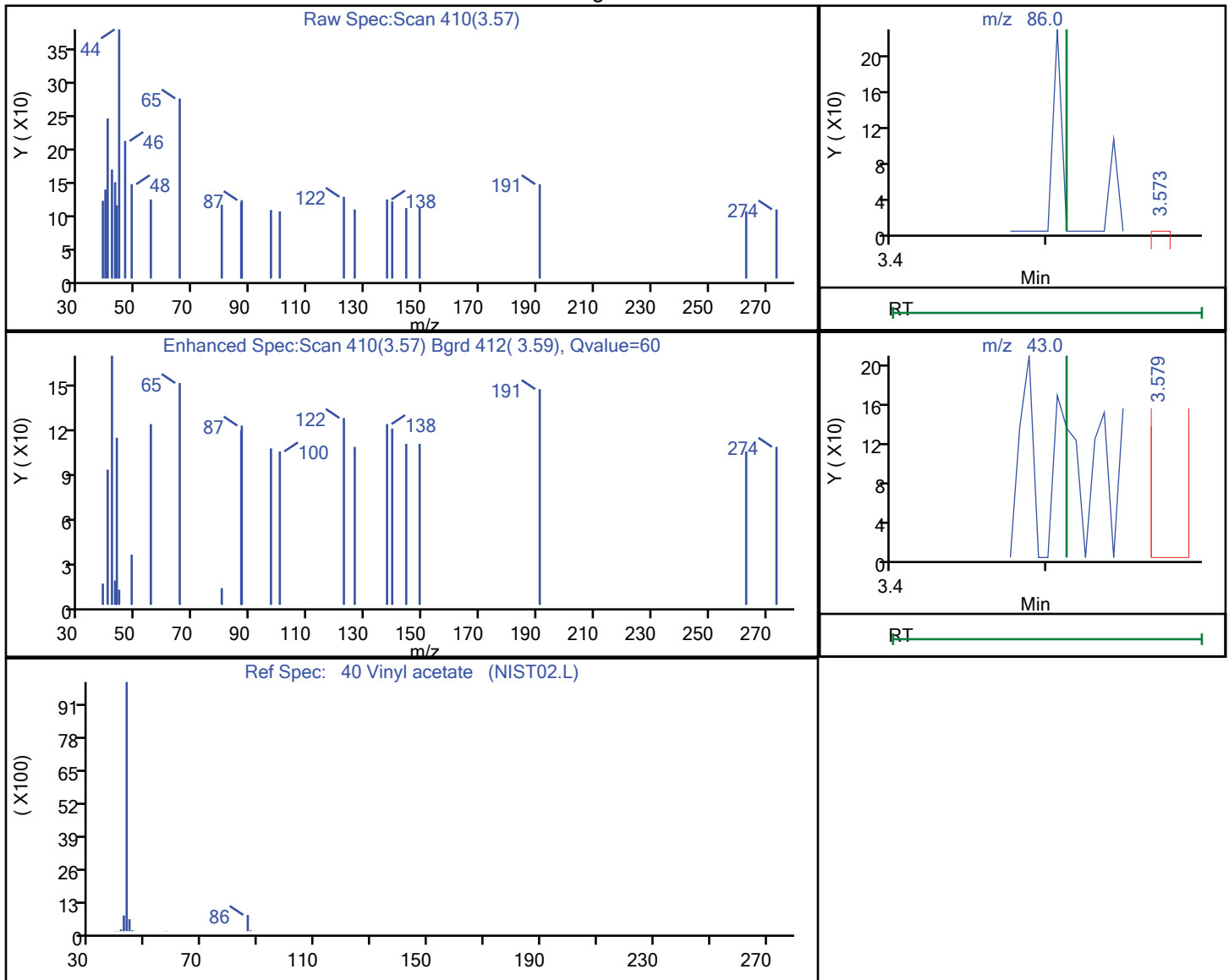
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

40 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
3.57	86.00	42	0.077111
3.58	43.00	105	

Reviewer: baronm, 13-May-2020 19:32:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19001.D

Injection Date: 13-May-2020 14:57:30

Instrument ID: CVOAMS11

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

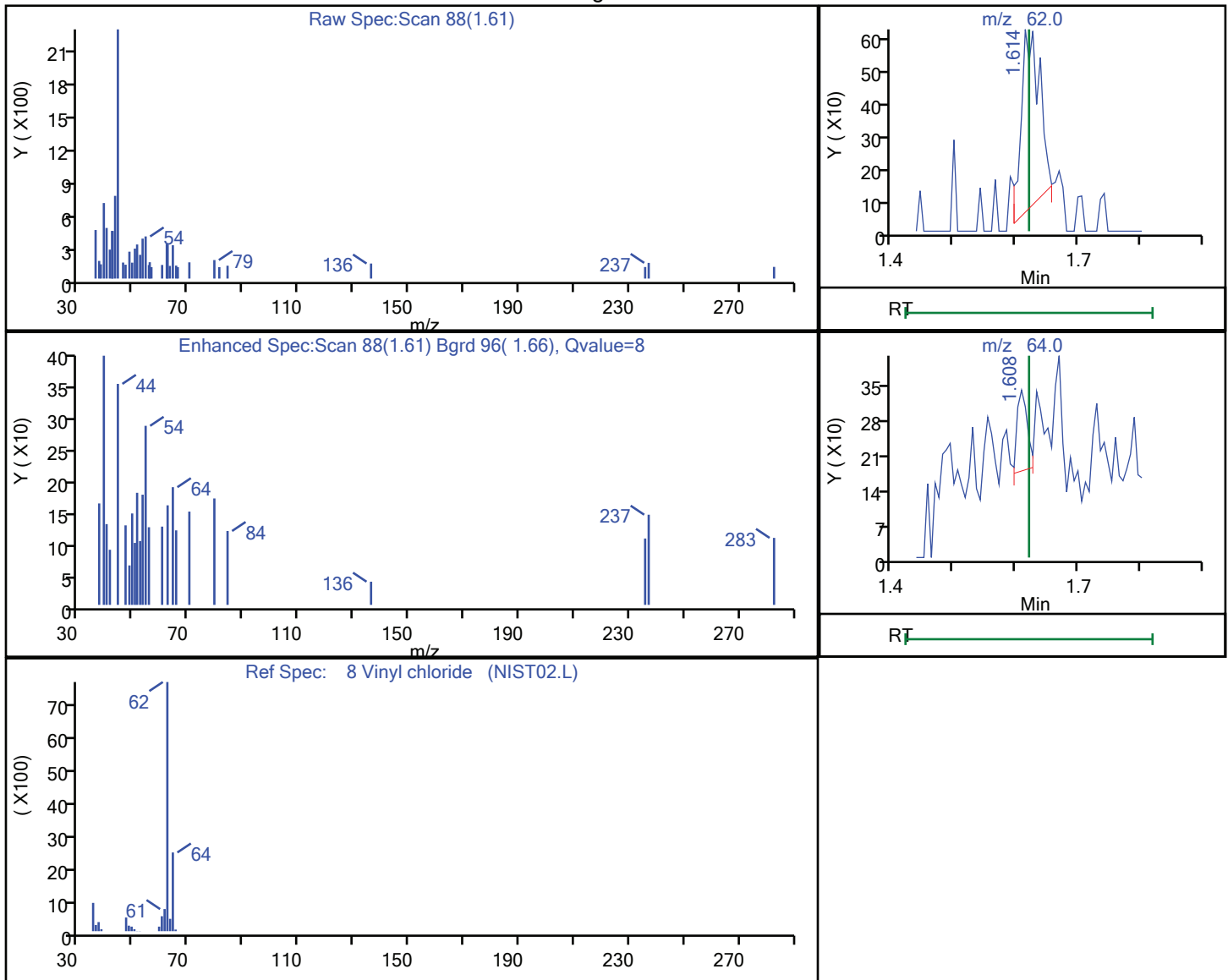
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

8 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.61	62.00	1144	0.483658
1.61	64.00	190	

Reviewer: baronm, 13-May-2020 19:32:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 13-May-2020 15:22:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0110045-004
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:43:17 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: baronm

Date: 13-May-2020 19:35:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 1,1-Difluoroethane	51	1.359	1.359	0.000	92	2711	1.00	1.07	
4 Chlorotrifluoroethene	116	1.359	1.359	0.000	45	757	1.00	1.05	a
5 Dichlorodifluoromethane	87	1.365	1.365	0.000	84	1165	1.00	1.06	a
6 Chlorodifluoromethane	51	1.401	1.401	0.000	25	3416	1.00	1.04	Ma
7 Chloromethane	52	1.541	1.541	0.000	99	2066	1.00	1.10	
9 Butadiene	54	1.626	1.626	0.000	97	3954	1.00	1.00	
8 Vinyl chloride	62	1.639	1.639	0.000	85	5496	1.00	1.12	M
10 Bromomethane	94	1.894	1.894	0.000	96	3724	1.00	1.13	
11 Chloroethane	64	1.949	1.949	0.000	95	3087	1.00	1.24	
12 Dichlorofluoromethane	67	2.113	2.113	0.000	96	6325	1.00	1.12	a
13 Trichlorofluoromethane	101	2.125	2.125	0.000	64	4202	1.00	1.09	
14 Pentane	72	2.150	2.150	0.000	96	772	2.00	1.96	
15 Ethanol	46	2.320	2.320	0.000	72	659	40.0	43.5	Ma
16 Ethyl ether	74	2.326	2.326	0.000	93	1742	1.00	1.04	
17 2-Methyl-1,3-butadiene	53	2.350	2.350	0.000	95	2263	1.00	1.01	
18 1,2-Dichloro-1,1,2-trifluoroethane	117	2.381	2.381	0.000	69	2293	1.00	1.06	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.436	2.436	0.000	53	3731	1.00	1.05	a
20 Acrolein	56	2.496	2.496	0.000	57	1589	4.00	3.99	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.527	2.527	0.000	45	2430	1.00	1.09	
22 1,1-Dichloroethene	96	2.527	2.527	0.000	98	2679	1.00	1.13	
23 Acetone	58	2.612	2.612	0.000	87	1957	5.00	5.83	
24 Iodomethane	142	2.679	2.679	0.000	97	5252	1.00	1.06	
25 Isopropyl alcohol	45	2.679	2.679	0.000	29	2012	10.0	12.2	
26 Carbon disulfide	76	2.703	2.703	0.000	99	9285	1.00	1.02	
27 3-Chloro-1-propene	76	2.825	2.825	0.000	90	1702	1.00	1.07	
28 Methyl acetate	74	2.843	2.843	0.000	98	1180	2.00	2.27	
29 Cyclopentene	67	2.843	2.843	0.000	93	6317	1.00	1.05	
30 Acetonitrile	41	2.892	2.892	0.000	79	2495	10.0	10.1	
* 31 TBA-d9 (IS)	66	2.934	2.934	0.000	69	46484	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.947	0.000	31	3720	1.00	1.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 2-Methyl-2-propanol	59	2.995	2.995	0.000	1	3471	10.0	12.6	a
34 Methyl tert-butyl ether	73	3.105	3.105	0.000	97	7550	1.00	1.03	
35 trans-1,2-Dichloroethene	96	3.129	3.129	0.000	94	2936	1.00	1.10	
36 Acrylonitrile	53	3.190	3.190	0.000	95	11669	10.0	9.18	
37 Hexane	56	3.275	3.275	0.000	90	1563	1.00	1.20	
38 Isopropyl ether	45	3.476	3.476	0.000	91	9724	1.00	1.01	
39 1,1-Dichloroethane	63	3.506	3.506	0.000	63	4584	1.00	0.9534	
40 Vinyl acetate	86	3.512	3.512	0.000	99	1268	2.00	2.30	
41 2-Chloro-1,3-butadiene	88	3.555	3.555	0.000	70	2513	1.00	1.13	
42 Tert-butyl ethyl ether	59	3.786	3.786	0.000	90	7517	1.00	0.9628	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	95	396049	250.0	250.0	
44 2,2-Dichloropropane	79	3.993	3.993	0.000	45	1464	1.00	1.26	a
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	92	3036	1.00	1.02	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	97	2143	5.00	5.67	
47 Ethyl acetate	70	4.029	4.029	0.000	95	801	2.00	2.35	
48 Methyl acrylate	55	4.078	4.078	0.000	97	2656	1.00	1.01	
49 Propionitrile	54	4.157	4.157	0.000	99	4718	10.0	10.1	a
50 Tetrahydrofuran	72	4.230	4.230	0.000	68	1146	2.00	2.01	
51 Chlorobromomethane	128	4.230	4.230	0.000	93	1491	1.00	0.99	
52 Methacrylonitrile	67	4.255	4.255	0.000	93	12277	10.0	9.28	
53 Chloroform	83	4.273	4.273	0.000	96	4888	1.00	1.05	
54 Cyclohexane	84	4.401	4.401	0.000	93	3168	1.00	0.9541	
55 1,1,1-Trichloroethane	97	4.419	4.419	0.000	77	3481	1.00	0.9712	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.431	0.000	97	136561	50.0	49.8	
57 Carbon tetrachloride	117	4.534	4.534	0.000	87	2958	1.00	1.07	
58 1,1-Dichloropropene	75	4.565	4.565	0.000	90	3372	1.00	1.05	
59 Isobutyl alcohol	43	4.687	4.687	0.000	83	4090	25.0	28.5	a
60 Isooctane	57	4.729	4.729	0.000	87	4810	1.00	1.08	a
61 Benzene	78	4.753	4.753	0.000	95	10769	1.00	1.05	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.772	0.000	83	161644	50.0	48.7	
64 Isopropyl acetate	43	4.814	4.814	0.000	87	8571	1.00	0.9866	a
63 Tert-amyl methyl ether	73	4.814	4.814	0.000	66	7177	1.00	0.9372	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	96	4184	1.00	1.13	
66 n-Heptane	57	4.906	4.906	0.000	84	1044	1.00	1.00	
* 67 Fluorobenzene	96	5.039	5.039	0.000	98	601049	50.0	50.0	
68 n-Butanol	56	5.337	5.337	0.000	69	1368	25.0	22.1	
69 Trichloroethene	95	5.374	5.374	0.000	94	2797	1.00	1.11	
71 Methylcyclohexane	83	5.508	5.508	0.000	78	3034	1.00	0.9777	
70 Ethyl acrylate	99	5.502	5.502	0.000	94	505	1.00	1.03	
72 1,2-Dichloropropane	63	5.660	5.660	0.000	82	2823	1.00	1.02	
* 73 1,4-Dioxane-d8	96	5.721	5.721	0.000	75	32474	1000.0	1000.0	
74 Methyl methacrylate	100	5.739	5.739	0.000	89	1402	2.00	2.06	
75 1,4-Dioxane	88	5.775	5.775	0.000	43	1414	50.0	45.5	
76 Dibromomethane	93	5.788	5.788	0.000	92	1804	1.00	1.03	
77 n-Propyl acetate	43	5.806	5.806	0.000	98	4106	1.00	0.9748	
78 Dichlorobromomethane	83	5.946	5.946	0.000	98	3197	1.00	1.01	
79 2-Nitropropane	41	6.274	6.274	0.000	75	1629	2.00	2.49	
80 2-Chloroethyl vinyl ether	63	6.280	6.280	0.000	73	1681	1.00	0.9664	
81 Epichlorohydrin	57	6.378	6.378	0.000	98	5643	20.0	19.6	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.000	96	3384	1.00	0.8973	
83 4-Methyl-2-pentanone (MIBK)	43	6.597	6.597	0.000	98	13582	5.00	4.41	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	502107	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Toluene	91	6.749	6.749	0.000	93	11234	1.00	1.08	
86 trans-1,3-Dichloropropene	75	7.096	7.096	0.000	97	3069	1.00	0.9283	
87 Ethyl methacrylate	69	7.138	7.138	0.000	90	2450	1.00	0.7828	
88 1,1,2-Trichloroethane	83	7.315	7.315	0.000	94	2297	1.00	1.14	
89 Tetrachloroethene	166	7.351	7.351	0.000	93	2679	1.00	1.14	
90 1,3-Dichloropropane	76	7.521	7.521	0.000	92	3703	1.00	0.99	
91 2-Hexanone	58	7.582	7.582	0.000	97	4588	5.00	4.47	
92 n-Butyl acetate	43	7.704	7.704	0.000	94	3855	1.00	0.9533	
93 Chlorodibromomethane	129	7.740	7.740	0.000	87	1946	1.00	0.9421	
94 Ethylene Dibromide	107	7.893	7.893	0.000	97	2045	1.00	0.9259	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	412509	50.0	50.0	
96 Chlorobenzene	112	8.471	8.471	0.000	93	6883	1.00	1.06	
97 Ethylbenzene	106	8.580	8.580	0.000	98	3865	1.00	1.13	
98 1,1,1,2-Tetrachloroethane	131	8.592	8.592	0.000	88	2070	1.00	0.9220	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	97	4550	1.00	1.10	
101 n-Butyl acrylate	73	9.255	9.255	0.000	59	1597	1.00	0.9027	
100 o-Xylene	106	9.255	9.255	0.000	93	4394	1.00	1.02	
102 Styrene	104	9.286	9.286	0.000	93	5617	1.00	0.8286	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	87	4164	1.00	0.9061	
104 Bromoform	173	9.523	9.523	0.000	56	1173	1.00	0.8416	
105 Isopropylbenzene	105	9.681	9.681	0.000	96	9437	1.00	0.9328	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	154307	50.0	49.9	
107 Bromobenzene	156	10.046	10.046	0.000	88	3103	1.00	1.04	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	96	3192	1.00	0.9540	
109 N-Propylbenzene	91	10.131	10.131	0.000	98	11681	1.00	0.9664	
110 1,2,3-Trichloropropane	110	10.162	10.162	0.000	86	1169	1.00	1.21	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	58	920	1.00	1.02	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	8499	1.00	0.9517	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	9687	1.00	0.9689	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	8112	1.00	0.9266	
115 4-Chlorotoluene	91	10.362	10.362	0.000	97	7774	1.00	0.9620	
116 Butyl Methacrylate	87	10.448	10.448	0.000	96	1925	1.00	1.02	
117 tert-Butylbenzene	119	10.636	10.636	0.000	93	5826	1.00	0.8882	
118 1,2,4-Trimethylbenzene	105	10.697	10.697	0.000	97	8847	1.00	0.9382	
119 sec-Butylbenzene	105	10.849	10.849	0.000	97	7919	1.00	0.8529	
120 1,3-Dichlorobenzene	146	10.983	10.983	0.000	91	4816	1.00	0.8895	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	7058	1.00	0.8595	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	234591	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.074	11.074	0.000	86	5571	1.00	0.9857	
124 1,2,3-Trimethylbenzene	105	11.093	11.093	0.000	98	8857	1.00	0.8700	
125 Benzyl chloride	126	11.214	11.214	0.000	98	925	1.00	0.9085	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	93	8603	1.00	0.8449	
127 p-Diethylbenzene	119	11.336	11.336	0.000	91	3882	1.00	0.9065	
128 n-Butylbenzene	92	11.360	11.360	0.000	95	3260	1.00	0.8250	
129 1,2-Dichlorobenzene	146	11.409	11.409	0.000	94	5450	1.00	0.9314	
130 1,2,4,5-Tetramethylbenzene	119	11.999	11.999	0.000	97	7450	1.00	0.8611	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	71	670	1.00	0.9287	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	95	3885	1.00	0.9703	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	92	3968	1.00	0.9708	
134 Hexachlorobutadiene	225	12.790	12.790	0.000	84	1057	1.00	0.9873	
135 Naphthalene	128	12.887	12.887	0.000	98	9961	1.00	0.8495	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	92	3405	1.00	0.8784	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 1,2-Dichloroethene, Total	100				0		2.00	2.12	
S 138 Xylenes, Total	100				0		2.00	2.12	
S 139 Total BTEX	1				0		5.00	5.37	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

524freon_00022	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00118	Amount Added: 10.00	Units: uL	
ACROLEIN W_00106	Amount Added: 4.00	Units: uL	
14DIOXINTER_00115	Amount Added: 30.00	Units: uL	
GASES Li_00367	Amount Added: 10.00	Units: uL	
8260SURR250_00207	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: STD1

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

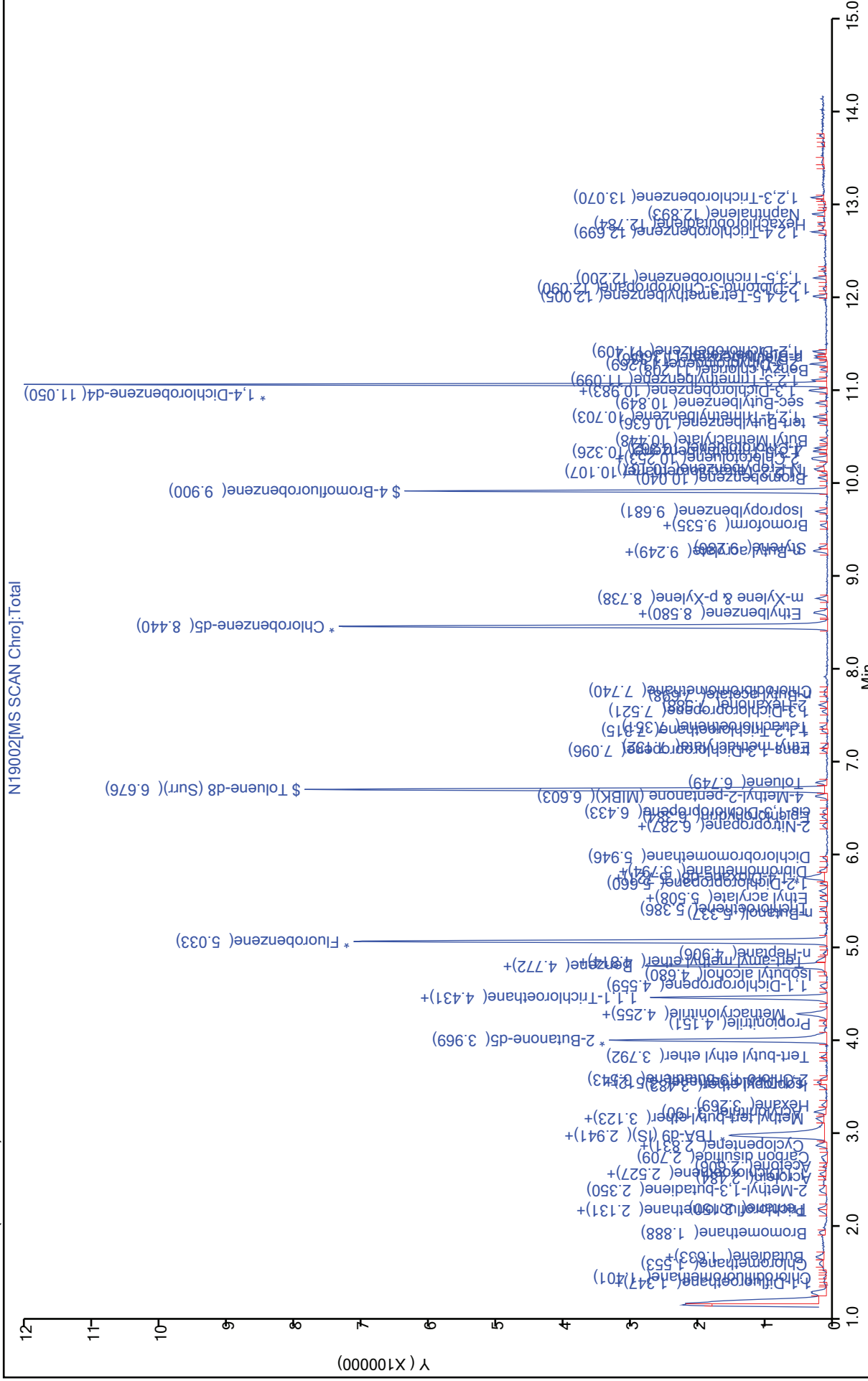
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

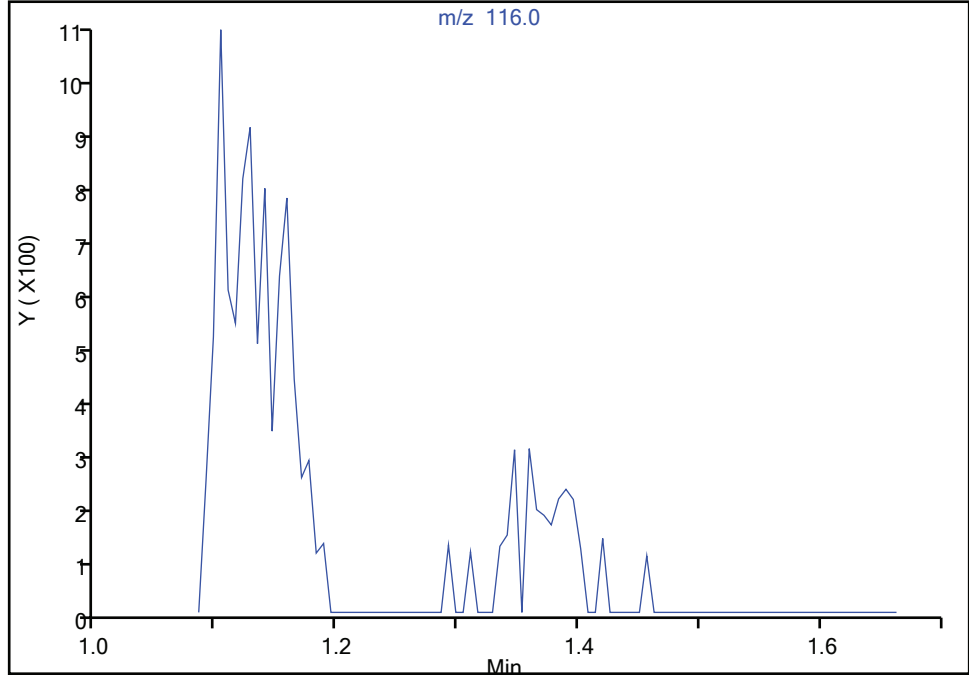
4 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

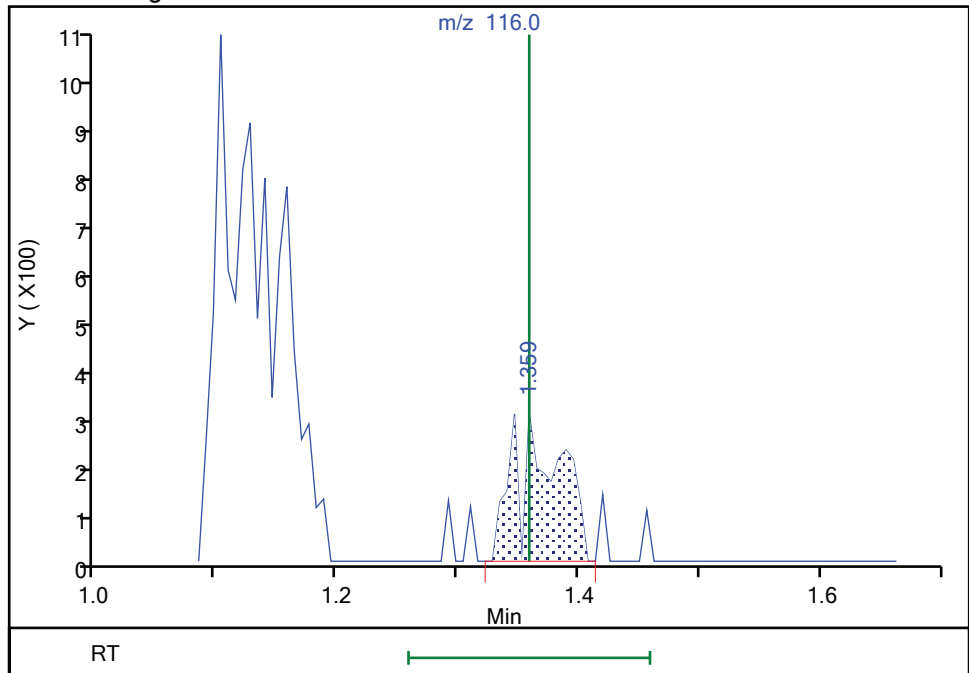
Not Detected

Expected RT: 1.36

Processing Integration Results



Manual Integration Results



RT: 1.36

Area: 757

Amount: 1.051161

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:36:47

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

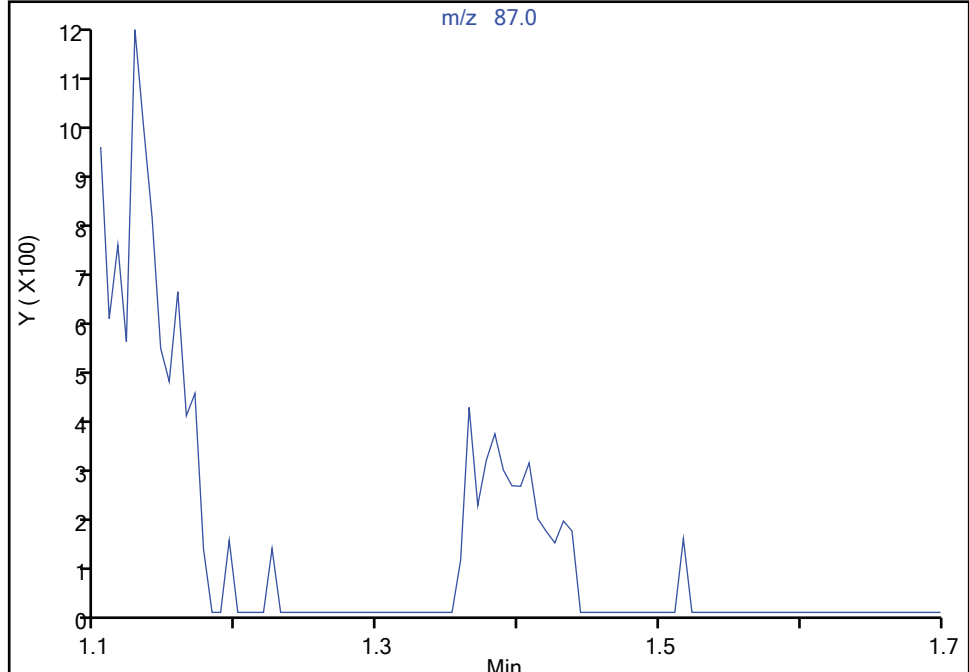
5 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

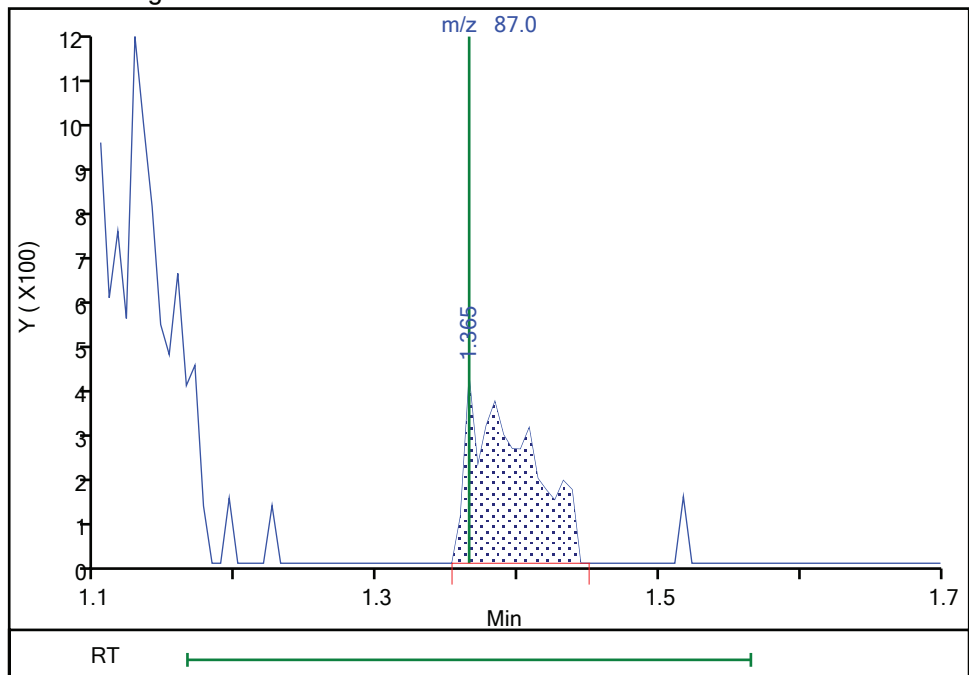
Not Detected

Expected RT: 1.36

Processing Integration Results



Manual Integration Results



RT: 1.36

Area: 1165

Amount: 1.061822

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:33:53

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

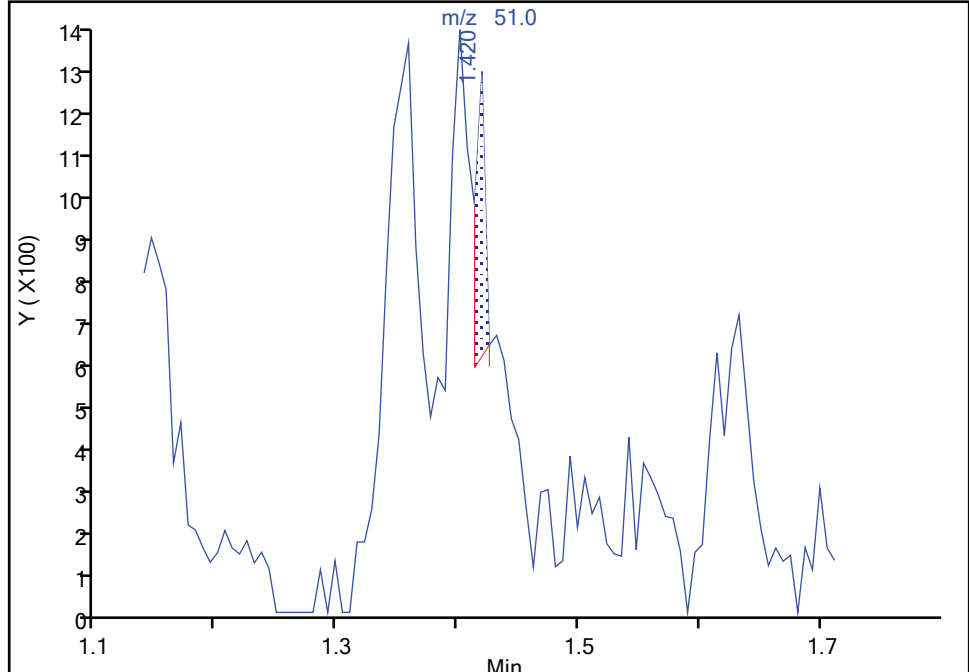
MS SCAN

6 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

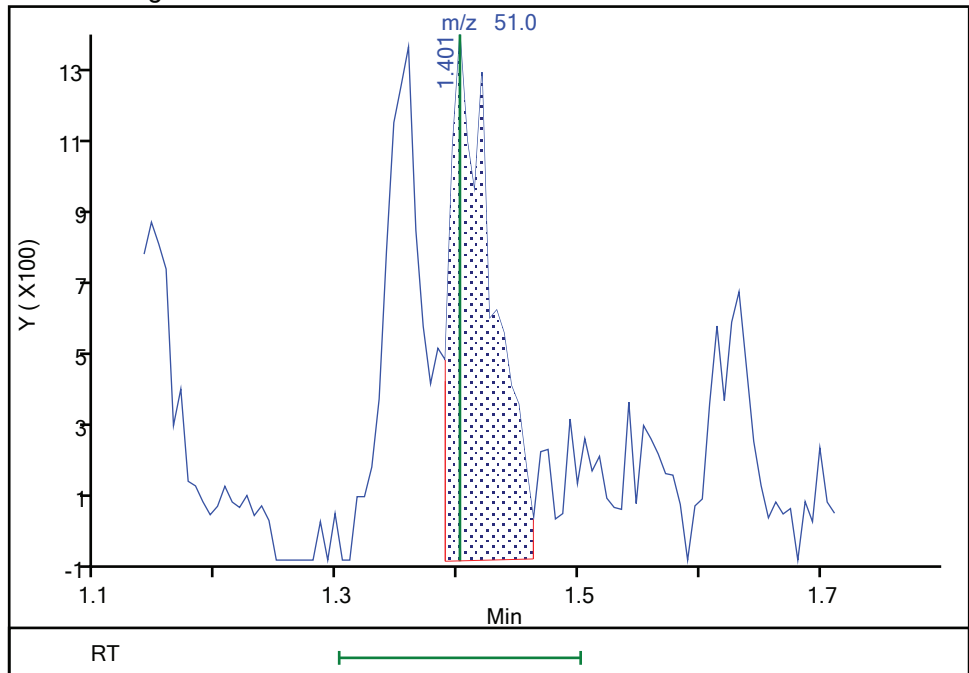
RT: 1.42
Area: 383
Amount: 0.117517
Amount Units: ug/l

Processing Integration Results



RT: 1.40
Area: 3416
Amount: 1.043143
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:34:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

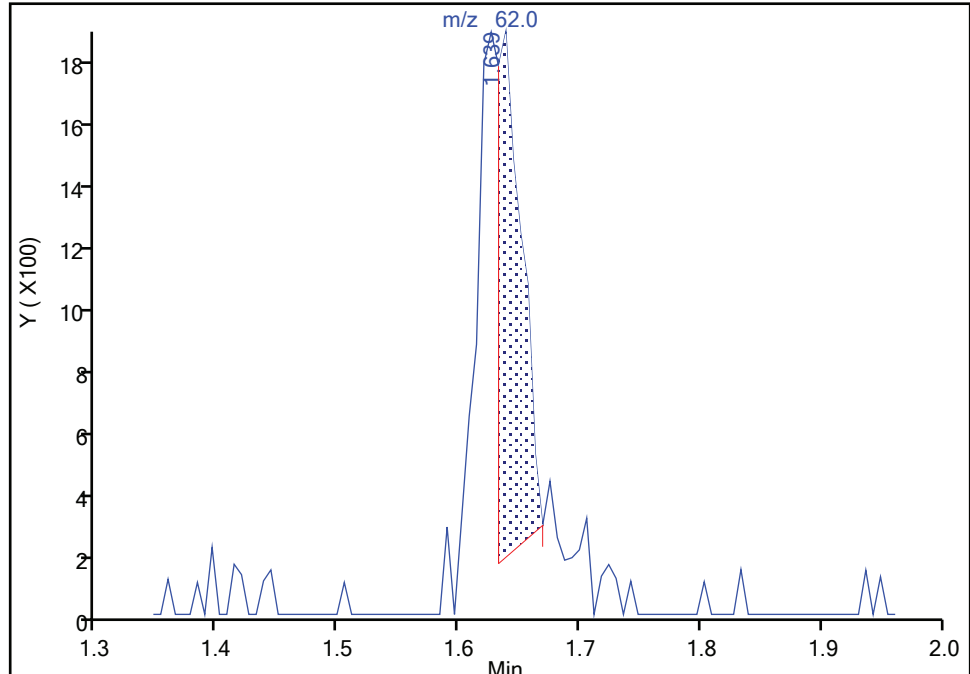
Detector: MS SCAN

8 Vinyl chloride, CAS: 75-01-4

Signal: 1

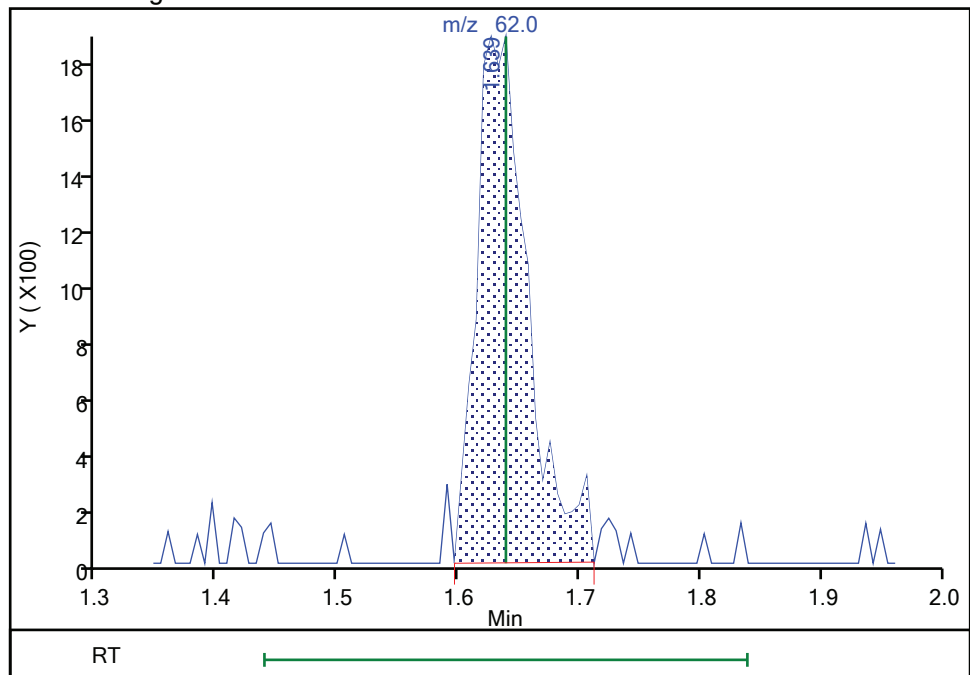
RT: 1.64
Area: 2401
Amount: 0.514092
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 5496
Amount: 1.120055
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:34:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

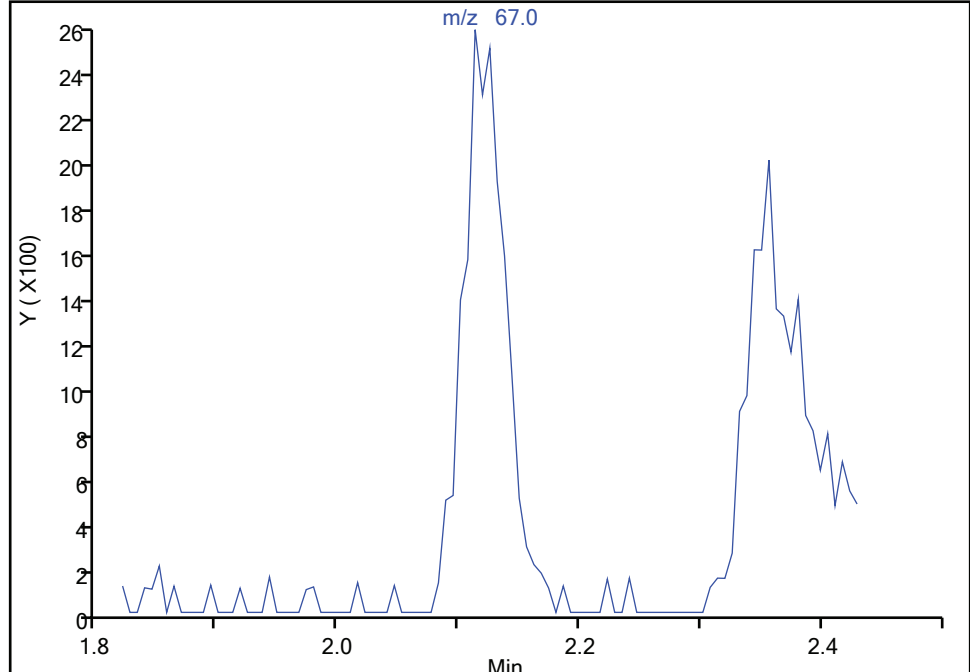
12 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

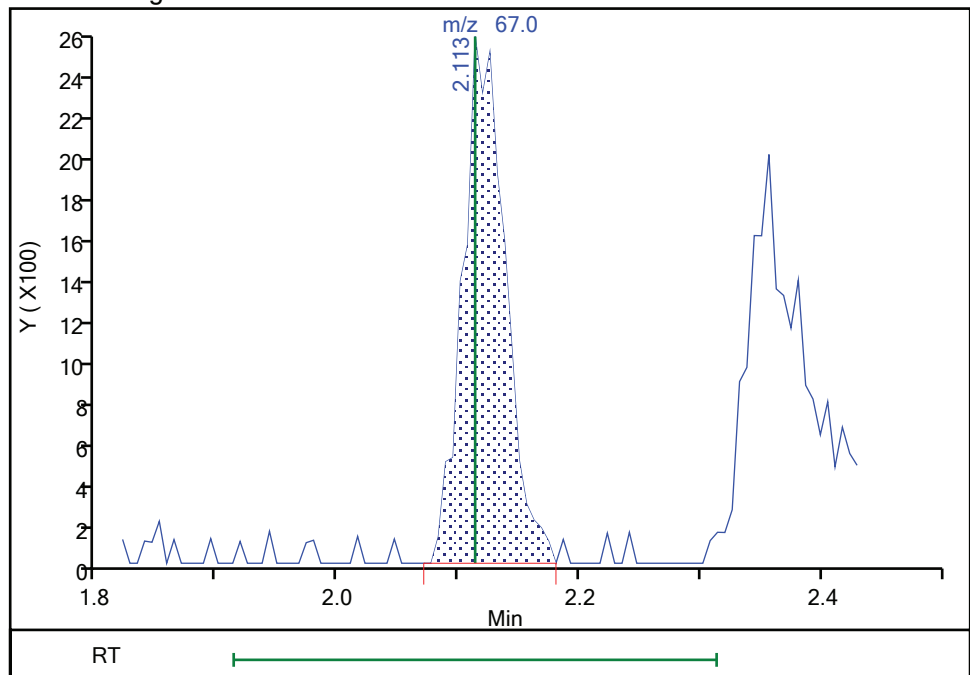
Not Detected

Expected RT: 2.11

Processing Integration Results



Manual Integration Results



RT: 2.11

Area: 6325

Amount: 1.118207

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:34:39

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

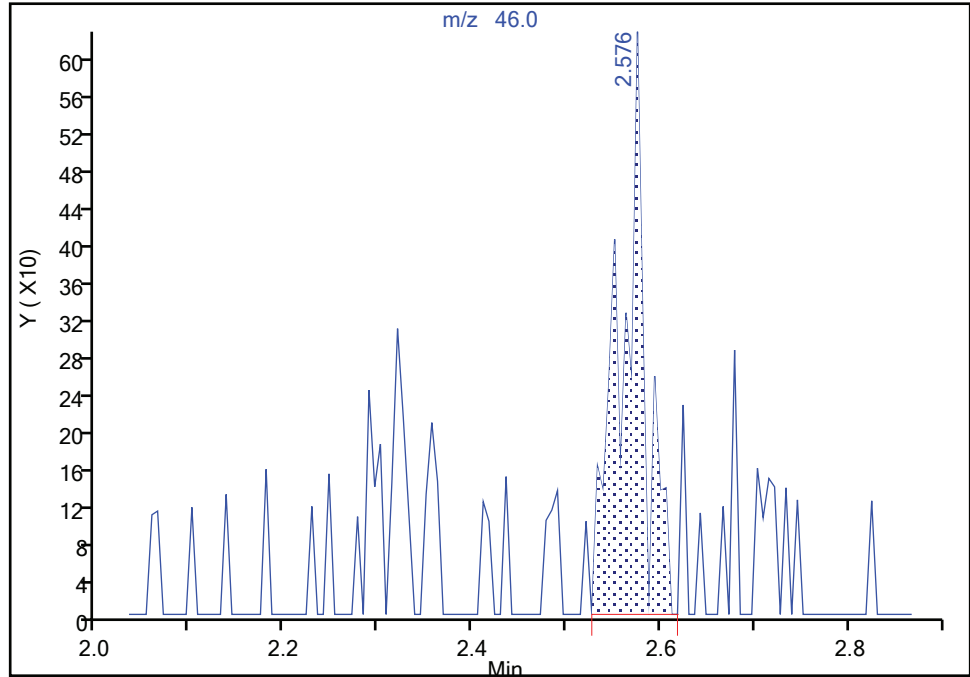
Detector: MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

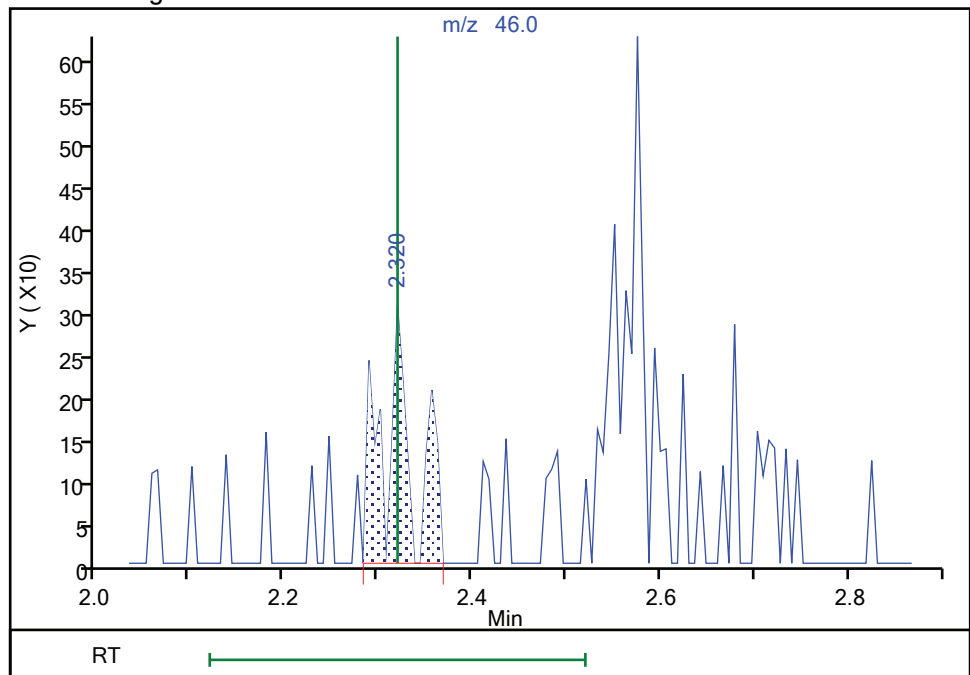
RT: 2.58
Area: 1137
Amount: 89.468202
Amount Units: ug/l

Processing Integration Results



RT: 2.32
Area: 659
Amount: 43.522996
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 14-May-2020 08:28:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

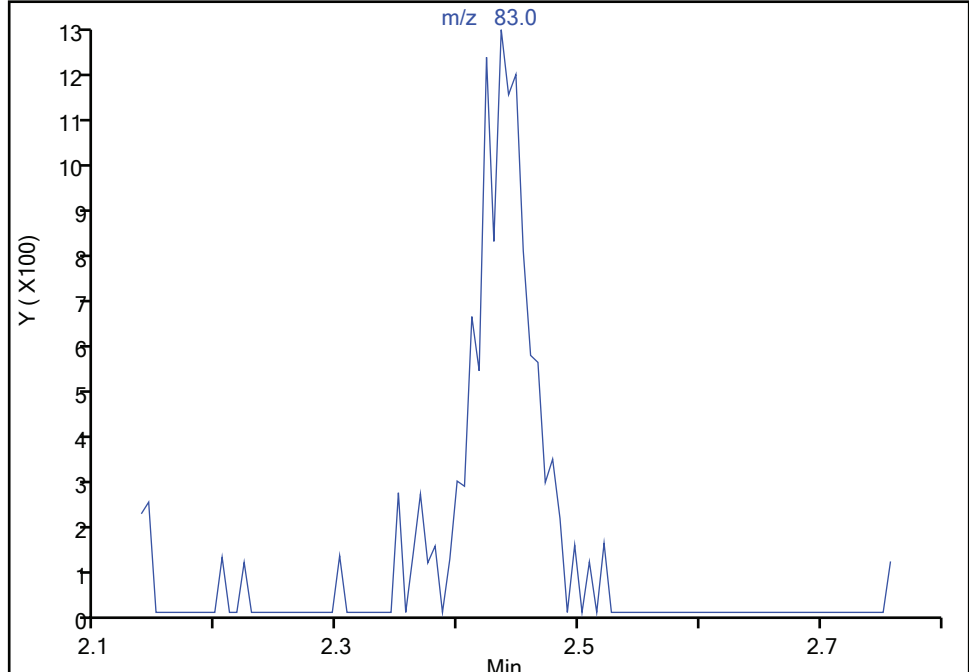
19 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

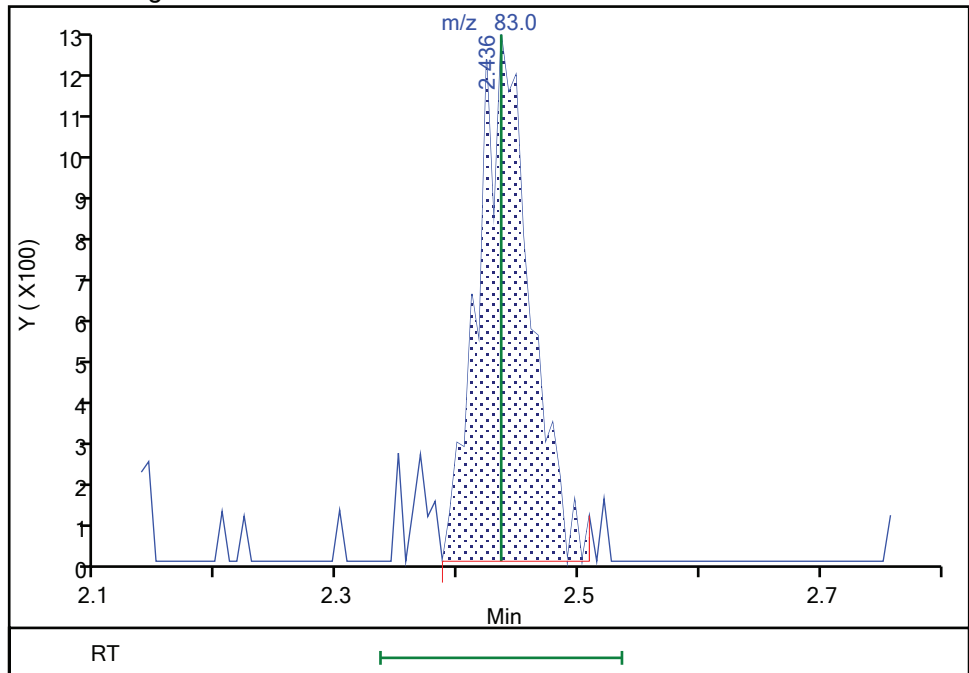
Not Detected

Expected RT: 2.44

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 13-May-2020 19:34:49

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

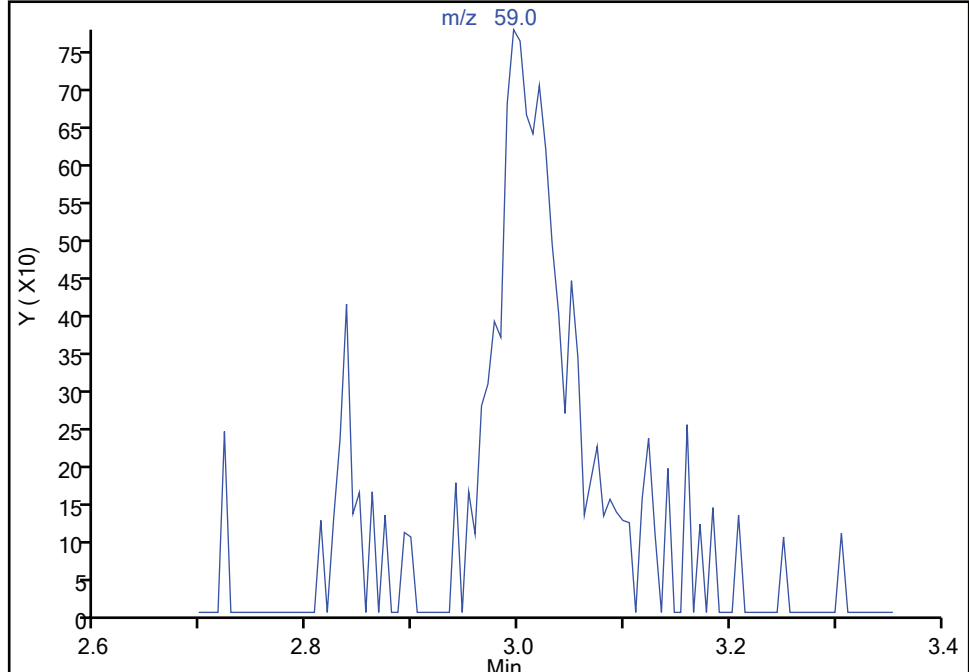
33 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

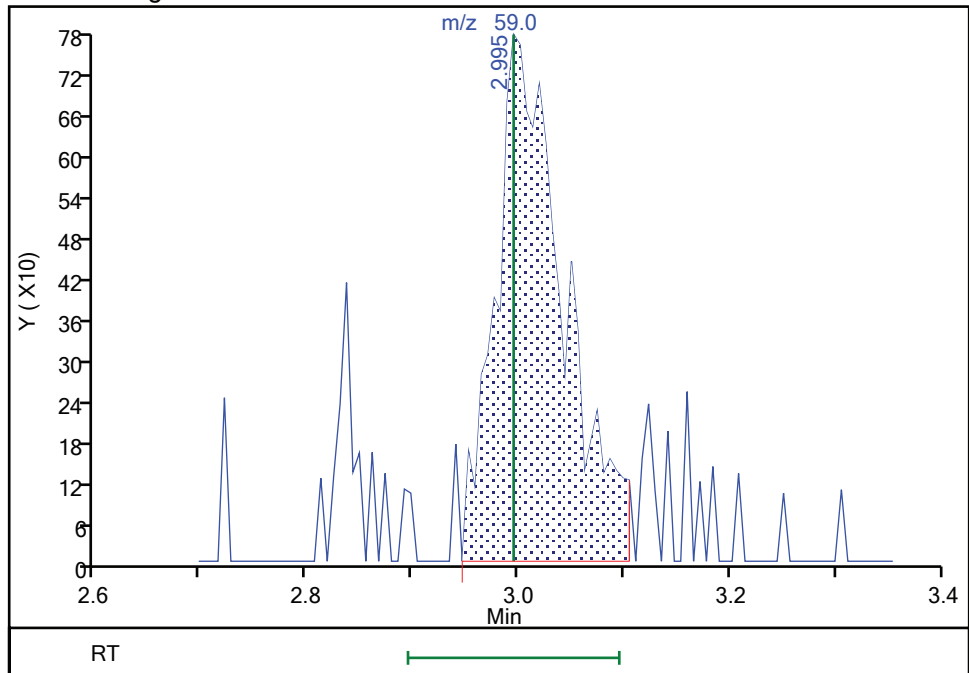
Not Detected

Expected RT: 3.00

Processing Integration Results



Manual Integration Results



RT: 3.00

Area: 3471

Amount: 12.635498

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:35:08

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

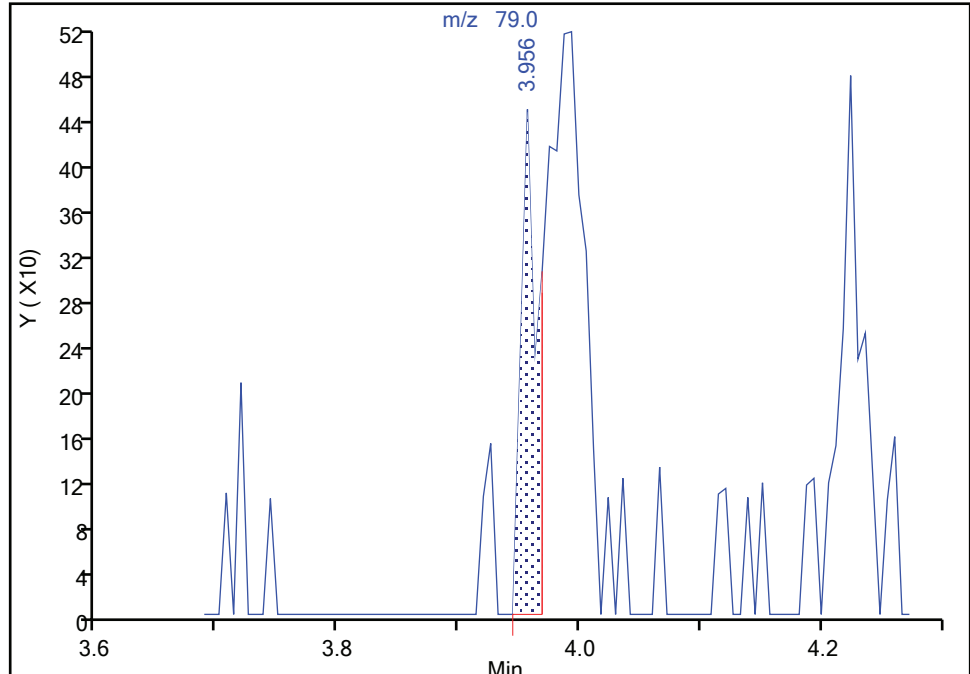
MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

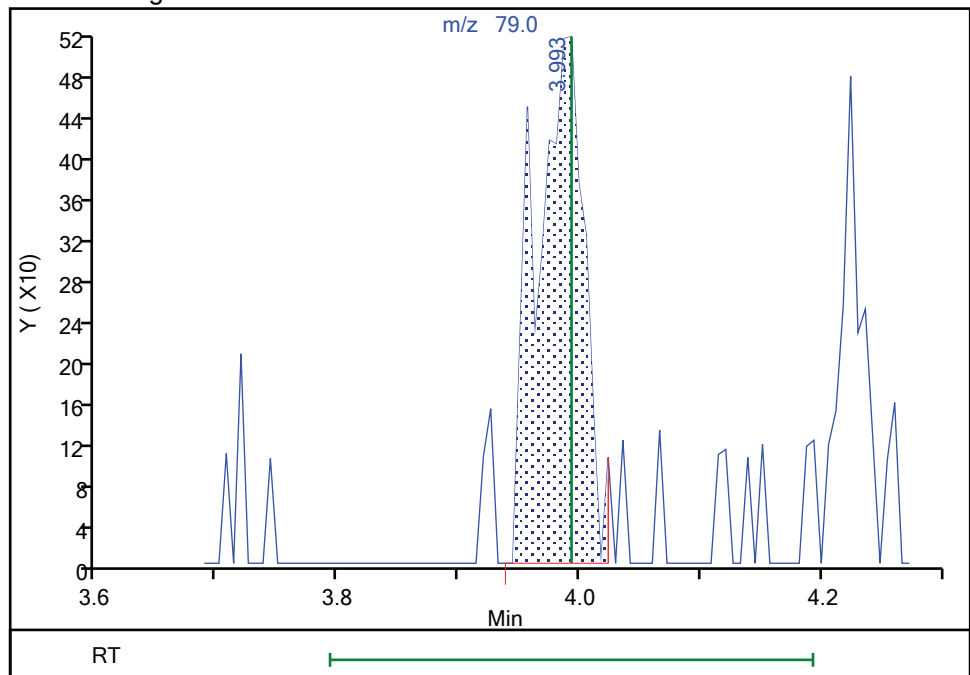
RT: 3.96
Area: 439
Amount: 0.434595
Amount Units: ug/l

Processing Integration Results



RT: 3.99
Area: 1464
Amount: 1.262120
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 14-May-2020 08:17:23

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

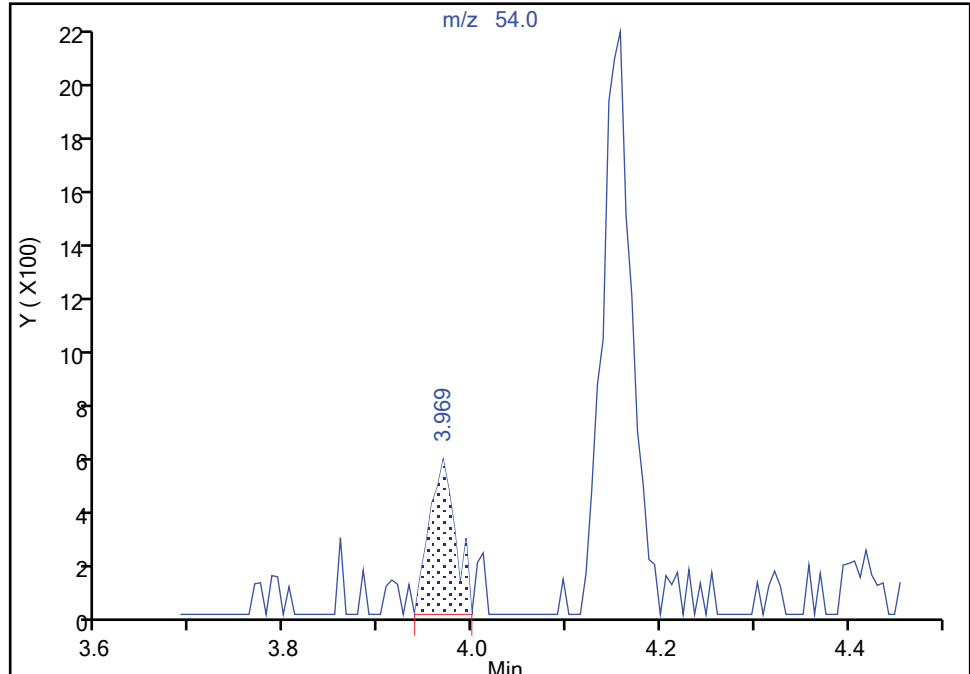
Detector: MS SCAN

49 Propionitrile, CAS: 107-12-0

Signal: 1

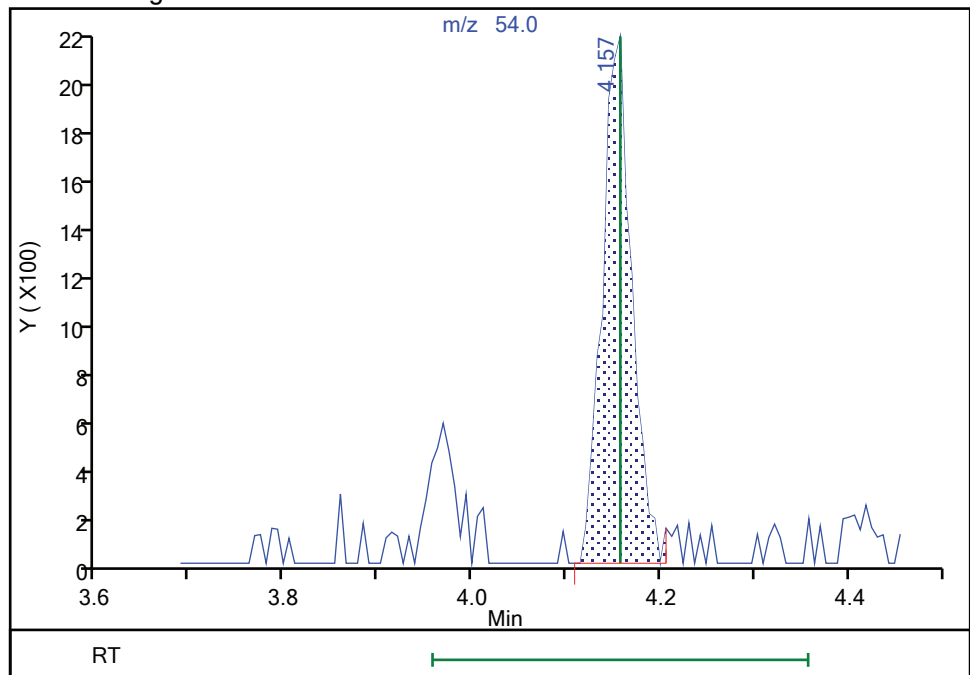
RT: 3.97
Area: 1103
Amount: 2.338284
Amount Units: ug/l

Processing Integration Results



RT: 4.16
Area: 4718
Amount: 10.068134
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:39:25

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

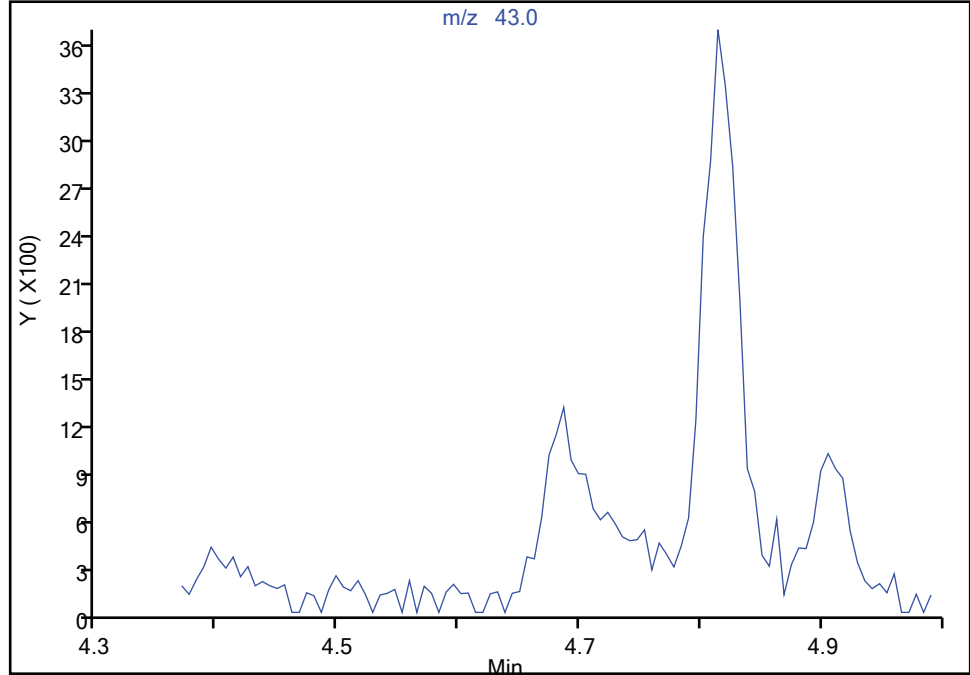
59 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

Not Detected

Expected RT: 4.69

Processing Integration Results



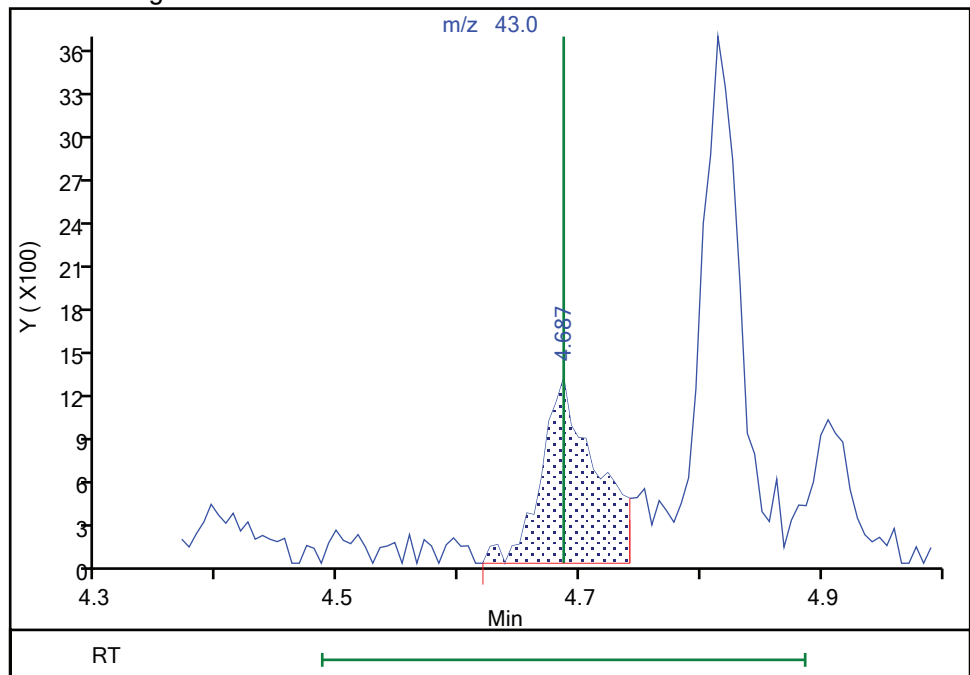
RT: 4.69

Area: 4090

Amount: 28.460035

Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:35:21

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

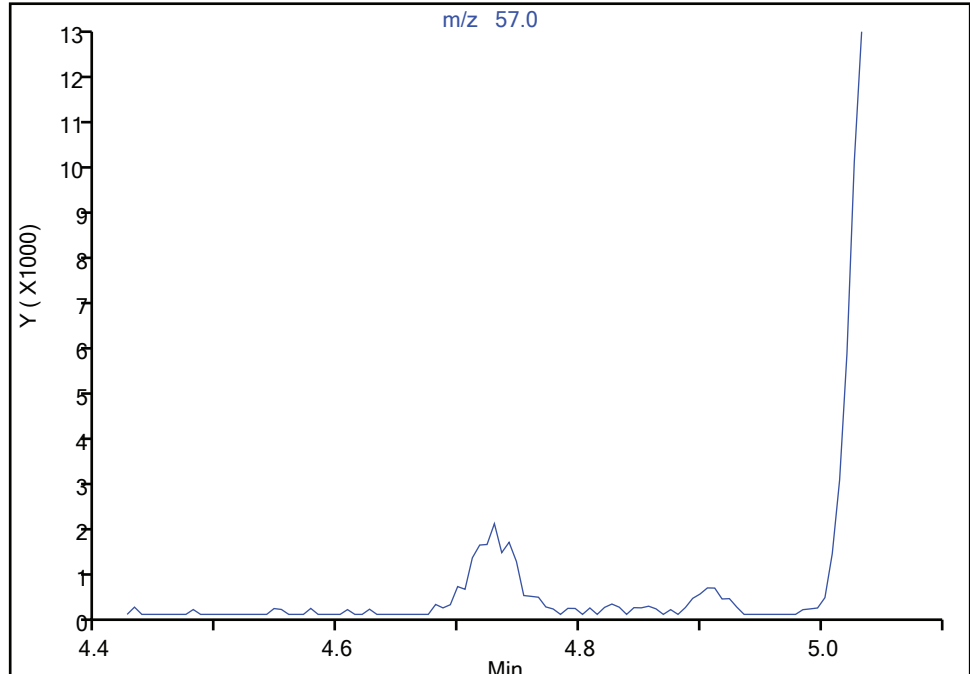
60 Isooctane, CAS: 540-84-1

Signal: 1

Not Detected

Expected RT: 4.73

Processing Integration Results



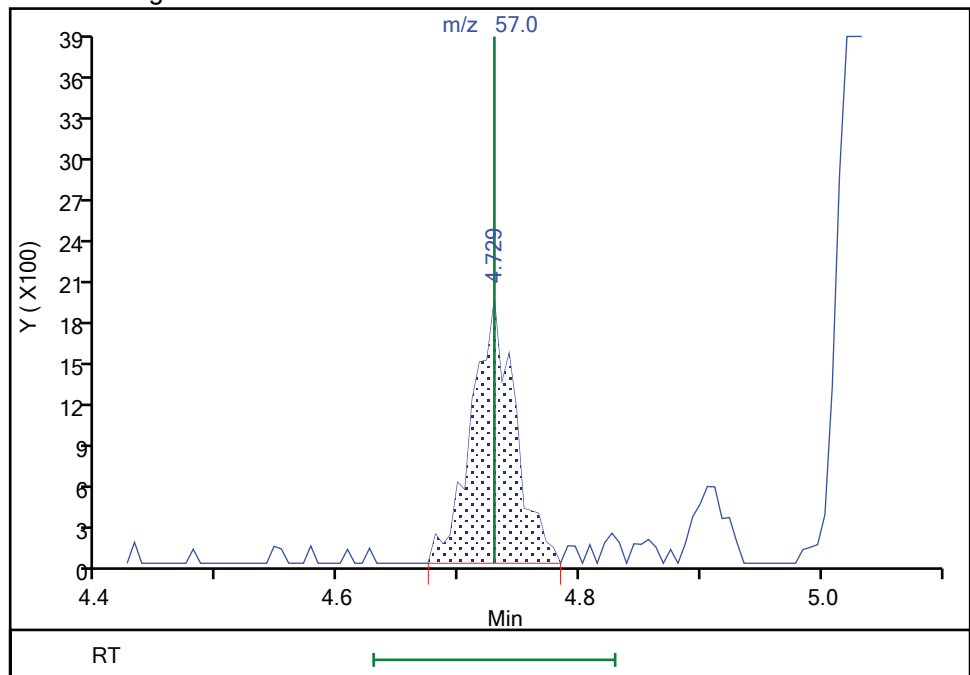
RT: 4.73

Area: 4810

Amount: 1.078505

Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:35:26

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

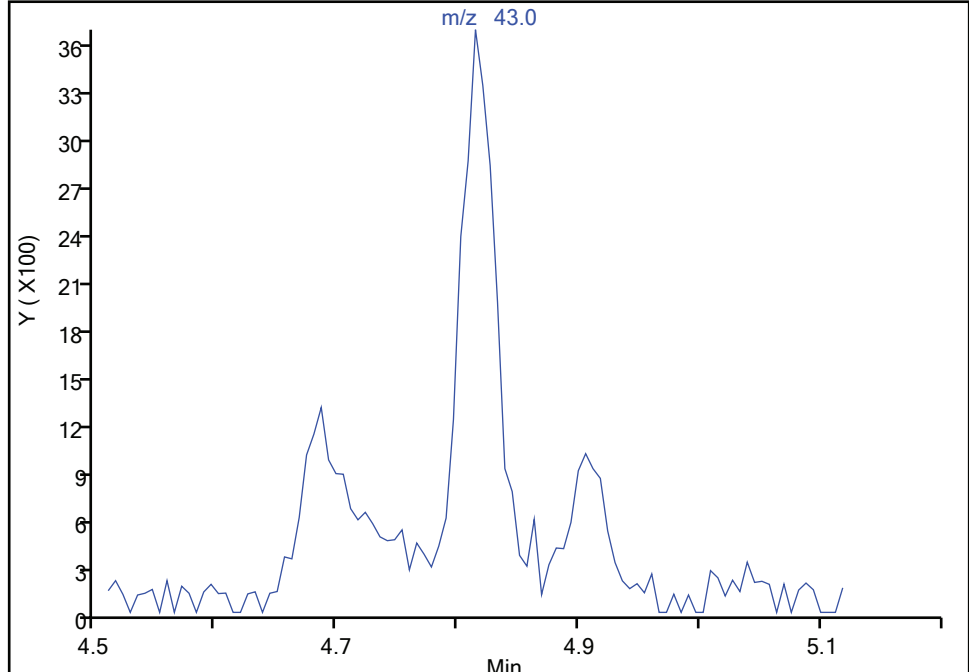
64 Isopropyl acetate, CAS: 108-21-4

Signal: 1

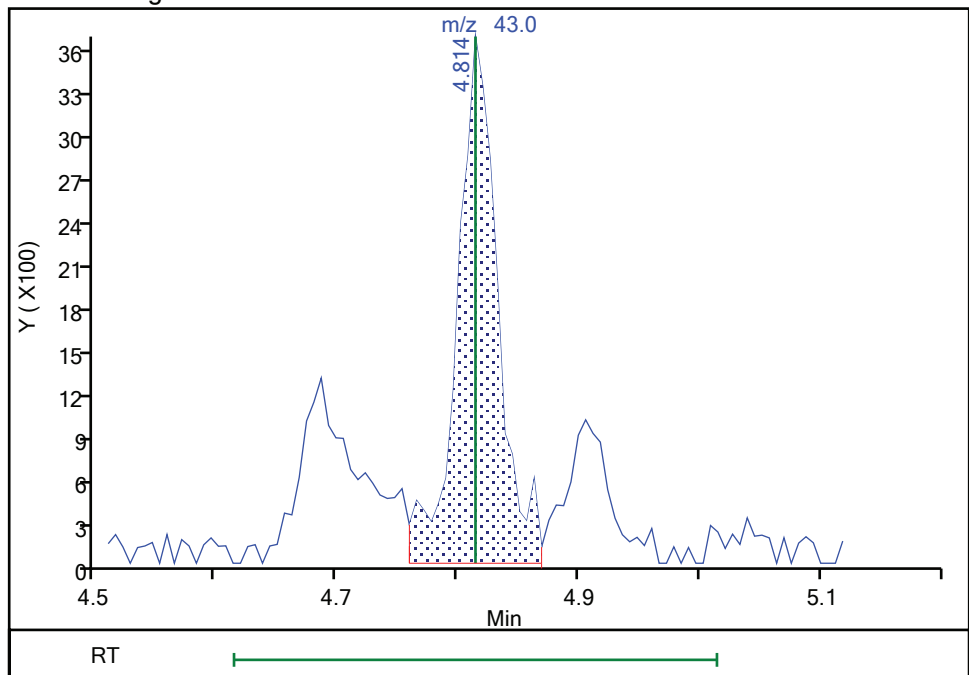
Not Detected

Expected RT: 4.81

Processing Integration Results



Manual Integration Results



RT: 4.81

Area: 8571

Amount: 0.986552

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:35:33

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19002.D

Injection Date: 13-May-2020 15:22:30

Instrument ID: CVOAMS11

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

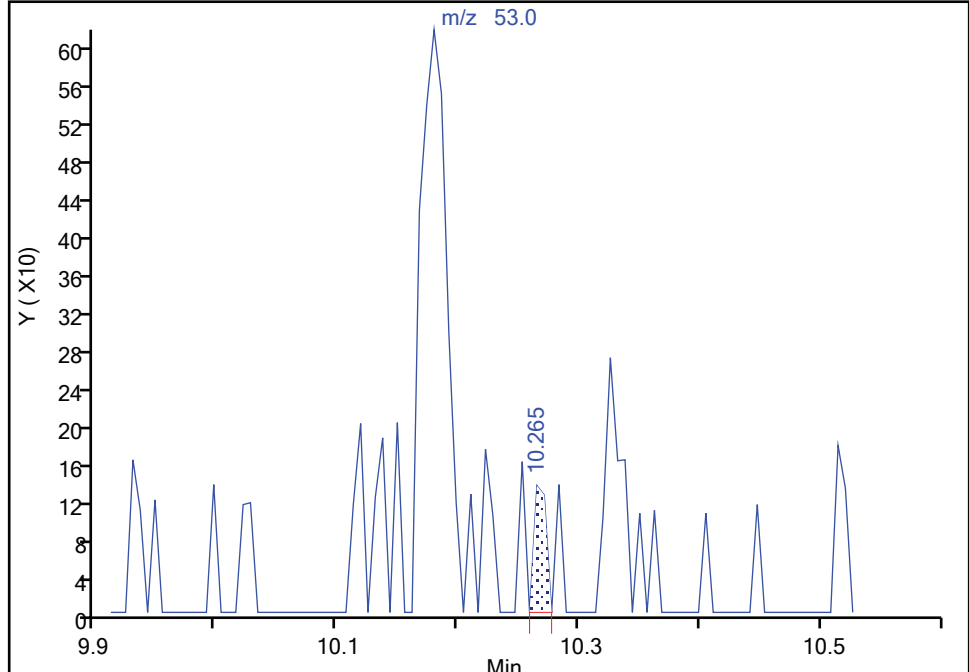
MS SCAN

111 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

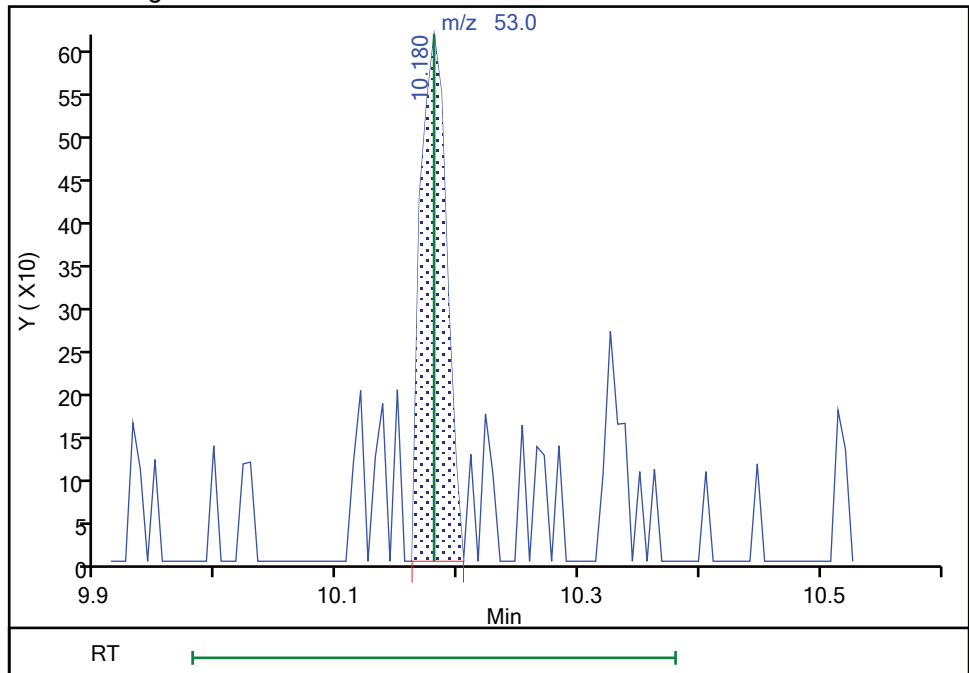
RT: 10.27
Area: 93
Amount: 0.100205
Amount Units: ug/l

Processing Integration Results



RT: 10.18
Area: 920
Amount: 1.023672
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 14-May-2020 08:18:06

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 13-May-2020 15:45:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0110045-005
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:43:31 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: baronm

Date: 13-May-2020 19:36:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 1,1-Difluoroethane	51	1.347	1.359	-0.012	97	11433	5.00	4.57	
4 Chlorotrifluoroethene	116	1.353	1.359	-0.006	51	3259	5.00	4.60	a
5 Dichlorodifluoromethane	87	1.389	1.365	0.024	40	5213	5.00	4.83	
6 Chlorodifluoromethane	51	1.395	1.401	-0.006	97	16256	5.00	5.05	
7 Chloromethane	52	1.541	1.541	0.000	99	10426	5.00	5.76	
9 Butadiene	54	1.614	1.626	-0.012	97	20042	5.00	5.14	
8 Vinyl chloride	62	1.621	1.639	-0.018	81	24219	5.00	5.02	
10 Bromomethane	94	1.882	1.894	-0.012	97	16954	5.00	5.25	
11 Chloroethane	64	1.937	1.949	-0.012	100	11299	5.00	4.62	
12 Dichlorofluoromethane	67	2.113	2.113	0.000	97	27889	5.00	5.02	
13 Trichlorofluoromethane	101	2.119	2.125	-0.006	94	18551	5.00	4.89	
14 Pentane	72	2.138	2.150	-0.012	98	3914	10.0	10.6	
15 Ethanol	46	2.296	2.320	-0.024	79	3463	200.0	244.8	a
16 Ethyl ether	74	2.320	2.326	-0.006	86	8495	5.00	5.17	
17 2-Methyl-1,3-butadiene	53	2.338	2.350	-0.012	97	11055	5.00	5.03	
18 1,2-Dichloro-1,1,2-trifluoroethane	117	2.375	2.381	-0.006	76	11123	5.00	5.24	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.430	2.436	-0.006	89	17277	5.00	4.94	a
20 Acrolein	56	2.484	2.496	-0.012	88	7647	20.0	20.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.497	2.527	-0.030	92	11548	5.00	5.25	
22 1,1-Dichloroethene	96	2.521	2.527	-0.006	98	12256	5.00	5.26	
23 Acetone	58	2.594	2.612	-0.018	87	7966	25.0	24.6	
24 Iodomethane	142	2.661	2.679	-0.018	98	24785	5.00	5.07	
25 Isopropyl alcohol	45	2.685	2.679	0.006	25	6643	50.0	43.2	a
26 Carbon disulfide	76	2.697	2.703	-0.006	100	46202	5.00	5.15	
27 3-Chloro-1-propene	76	2.819	2.825	-0.006	88	7767	5.00	4.99	
28 Methyl acetate	74	2.825	2.843	-0.018	97	4870	10.0	10.0	
29 Cyclopentene	67	2.837	2.843	-0.006	92	29840	5.00	5.03	
30 Acetonitrile	41	2.880	2.892	-0.012	97	17481	50.0	47.7	
* 31 TBA-d9 (IS)	66	2.929	2.934	-0.005	82	43428	1000.0	1000.0	
32 Methylene Chloride	84	2.941	2.947	-0.006	49	16354	5.00	5.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 2-Methyl-2-propanol	59	3.002	2.995	0.007	92	13110	50.0	51.1	
34 Methyl tert-butyl ether	73	3.099	3.105	-0.006	97	36675	5.00	5.10	
35 trans-1,2-Dichloroethene	96	3.117	3.129	-0.012	97	13415	5.00	5.11	
36 Acrylonitrile	53	3.190	3.190	0.000	93	61086	50.0	51.4	
37 Hexane	56	3.269	3.275	-0.006	93	6732	5.00	5.26	
38 Isopropyl ether	45	3.470	3.476	-0.006	97	48212	5.00	5.11	
39 1,1-Dichloroethane	63	3.500	3.506	-0.006	99	24041	5.00	5.09	
40 Vinyl acetate	86	3.513	3.512	0.001	100	4740	10.0	8.89	
41 2-Chloro-1,3-butadiene	88	3.543	3.555	-0.012	91	10902	5.00	4.98	
42 Tert-butyl ethyl ether	59	3.780	3.786	-0.006	89	39686	5.00	5.17	
* 43 2-Butanone-d5	46	3.963	3.969	-0.006	96	382488	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.993	-0.006	88	5486	5.00	4.81	a
45 cis-1,2-Dichloroethene	96	3.999	4.005	-0.006	94	14460	5.00	4.96	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	95	8852	25.0	24.2	
47 Ethyl acetate	70	4.024	4.029	-0.005	96	3233	10.0	9.80	
48 Methyl acrylate	55	4.078	4.078	0.000	99	13377	5.00	5.15	
49 Propionitrile	54	4.145	4.157	-0.012	97	22785	50.0	52.0	
50 Tetrahydrofuran	72	4.224	4.230	-0.006	68	4118	10.0	9.94	
51 Chlorobromomethane	128	4.218	4.230	-0.012	92	7353	5.00	4.97	
52 Methacrylonitrile	67	4.249	4.255	-0.006	94	61870	50.0	47.6	
53 Chloroform	83	4.273	4.273	0.000	98	22926	5.00	5.00	
54 Cyclohexane	84	4.395	4.401	-0.006	96	16842	5.00	5.16	
55 1,1,1-Trichloroethane	97	4.413	4.419	-0.006	68	17582	5.00	4.99	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.431	-0.006	97	133340	50.0	49.5	
57 Carbon tetrachloride	117	4.522	4.534	-0.012	94	12880	5.00	4.74	
58 1,1-Dichloropropene	75	4.553	4.565	-0.012	92	16253	5.00	5.17	
59 Isobutyl alcohol	43	4.687	4.687	0.000	98	15496	125.0	115.4	
60 Isooctane	57	4.729	4.729	0.000	92	21264	5.00	4.85	a
61 Benzene	78	4.748	4.753	-0.005	98	53404	5.00	5.25	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.772	-0.006	88	155907	50.0	47.8	
64 Isopropyl acetate	43	4.814	4.814	0.000	93	39455	5.00	4.62	
63 Tert-amyl methyl ether	73	4.814	4.814	0.000	87	37928	5.00	5.04	
65 1,2-Dichloroethane	62	4.839	4.845	-0.006	96	17991	5.00	4.96	
66 n-Heptane	57	4.906	4.906	0.000	93	5623	5.00	5.47	
* 67 Fluorobenzene	96	5.033	5.039	-0.006	98	590882	50.0	50.0	
68 n-Butanol	56	5.332	5.337	-0.005	91	6726	125.0	116.4	
69 Trichloroethene	95	5.374	5.374	0.000	98	12419	5.00	5.00	
70 Ethyl acrylate	99	5.502	5.502	0.000	95	1487	5.00	4.13	a
71 Methylcyclohexane	83	5.502	5.508	-0.006	75	14799	5.00	4.85	
72 1,2-Dichloropropane	63	5.666	5.660	0.006	88	13847	5.00	5.10	
* 73 1,4-Dioxane-d8	96	5.715	5.721	-0.006	75	29899	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.739	0.006	90	6101	10.0	9.12	
75 1,4-Dioxane	88	5.770	5.775	-0.005	84	3074	100.0	107.4	
76 Dibromomethane	93	5.788	5.788	0.000	95	8528	5.00	4.94	
77 n-Propyl acetate	43	5.800	5.806	-0.006	99	18723	5.00	4.52	
78 Dichlorobromomethane	83	5.940	5.946	-0.006	96	14625	5.00	4.72	
79 2-Nitropropane	41	6.274	6.274	0.000	78	5638	10.0	9.21	
80 2-Chloroethyl vinyl ether	63	6.274	6.280	-0.006	79	8081	5.01	4.73	
81 Epichlorohydrin	57	6.378	6.378	0.000	99	25744	100.0	92.6	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.001	95	18464	5.00	4.95	
83 4-Methyl-2-pentanone (MIBK)	43	6.597	6.597	0.000	99	69545	25.0	23.4	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	496605	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Toluene	91	6.749	6.749	0.000	92	52181	5.00	5.07	
86 trans-1,3-Dichloropropene	75	7.102	7.096	0.006	97	14657	5.00	4.48	
87 Ethyl methacrylate	69	7.132	7.138	-0.006	90	13348	5.00	4.34	
88 1,1,2-Trichloroethane	83	7.309	7.315	-0.006	94	10055	5.00	5.06	
89 Tetrachloroethene	166	7.351	7.351	0.000	96	12299	5.00	5.28	
90 1,3-Dichloropropane	76	7.522	7.521	0.001	95	18659	5.00	5.05	
91 2-Hexanone	58	7.589	7.582	0.007	98	23333	25.0	23.5	
92 n-Butyl acetate	43	7.704	7.704	0.000	97	18812	5.00	4.70	
93 Chlorodibromomethane	129	7.741	7.740	0.001	95	9346	5.00	4.57	
94 Ethylene Dibromide	107	7.893	7.893	0.000	96	10855	5.00	4.96	
* 95 Chlorobenzene-d5	117	8.434	8.440	-0.006	87	408392	50.0	50.0	
96 Chlorobenzene	112	8.471	8.471	0.001	94	32172	5.00	5.02	
97 Ethylbenzene	106	8.580	8.580	0.000	99	16056	5.00	4.73	
98 1,1,1,2-Tetrachloroethane	131	8.598	8.592	0.006	90	10815	5.00	4.87	
99 m-Xylene & p-Xylene	106	8.744	8.738	0.006	99	19918	5.00	4.86	
101 n-Butyl acrylate	73	9.249	9.255	-0.006	59	7523	5.00	4.30	
100 o-Xylene	106	9.255	9.255	0.000	92	19656	5.00	4.60	
102 Styrene	104	9.286	9.286	0.000	94	31018	5.00	4.62	
104 Bromoform	173	9.529	9.523	0.006	56	5875	5.00	4.35	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	88	19622	5.00	4.41	
105 Isopropylbenzene	105	9.675	9.681	-0.006	96	48529	5.00	4.85	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	153020	50.0	50.0	
107 Bromobenzene	156	10.046	10.046	0.000	96	14744	5.00	5.10	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	16444	5.00	5.07	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	58945	5.00	5.03	
110 1,2,3-Trichloropropane	110	10.156	10.162	-0.006	95	4479	5.00	4.79	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	64	4376	5.00	5.03	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	44114	5.00	5.10	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	48557	5.00	5.01	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	91	40556	5.00	4.78	
115 4-Chlorotoluene	91	10.363	10.362	0.001	98	39408	5.00	5.03	
116 Butyl Methacrylate	87	10.448	10.448	0.000	92	11157	5.00	4.36	
117 tert-Butylbenzene	119	10.636	10.636	0.000	93	30546	5.00	4.81	
118 1,2,4-Trimethylbenzene	105	10.697	10.697	0.000	98	43372	5.00	4.75	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	43669	5.00	4.85	
120 1,3-Dichlorobenzene	146	10.977	10.983	-0.006	94	26336	5.00	5.02	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	37793	5.00	4.75	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	227268	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.074	-0.006	94	28173	5.00	5.15	
124 1,2,3-Trimethylbenzene	105	11.099	11.093	0.006	98	46823	5.00	4.75	
125 Benzyl chloride	126	11.208	11.214	-0.006	98	3956	5.00	4.01	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	94	48422	5.00	4.91	
127 p-Diethylbenzene	119	11.336	11.336	0.000	94	20947	5.00	5.05	
128 n-Butylbenzene	92	11.360	11.360	0.000	97	19991	5.00	5.22	
129 1,2-Dichlorobenzene	146	11.403	11.409	-0.006	95	29203	5.00	5.15	
130 1,2,4,5-Tetramethylbenzene	119	11.999	11.999	0.000	98	37544	5.00	4.48	
131 1,2-Dibromo-3-Chloropropane	157	12.078	12.084	-0.006	90	3149	5.00	4.51	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	95	18887	5.00	4.87	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	94	19488	5.00	4.92	
134 Hexachlorobutadiene	225	12.784	12.790	-0.006	92	5281	5.00	5.09	
135 Naphthalene	128	12.893	12.887	0.006	99	52161	5.00	4.59	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	94	19018	5.00	5.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 1,2-Dichloroethene, Total	100				0		10.0	10.1	
S 138 Xylenes, Total	100				0		10.0	9.46	
S 139 Total BTEX	1				0		25.0	24.5	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

524freon_00022	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00118	Amount Added: 10.00	Units: uL	
ACROLEIN W_00106	Amount Added: 4.00	Units: uL	
GASES Li_00367	Amount Added: 10.00	Units: uL	
8260SURR250_00207	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 14-May-2020 08:43:32

Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Operator ID: 5
Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

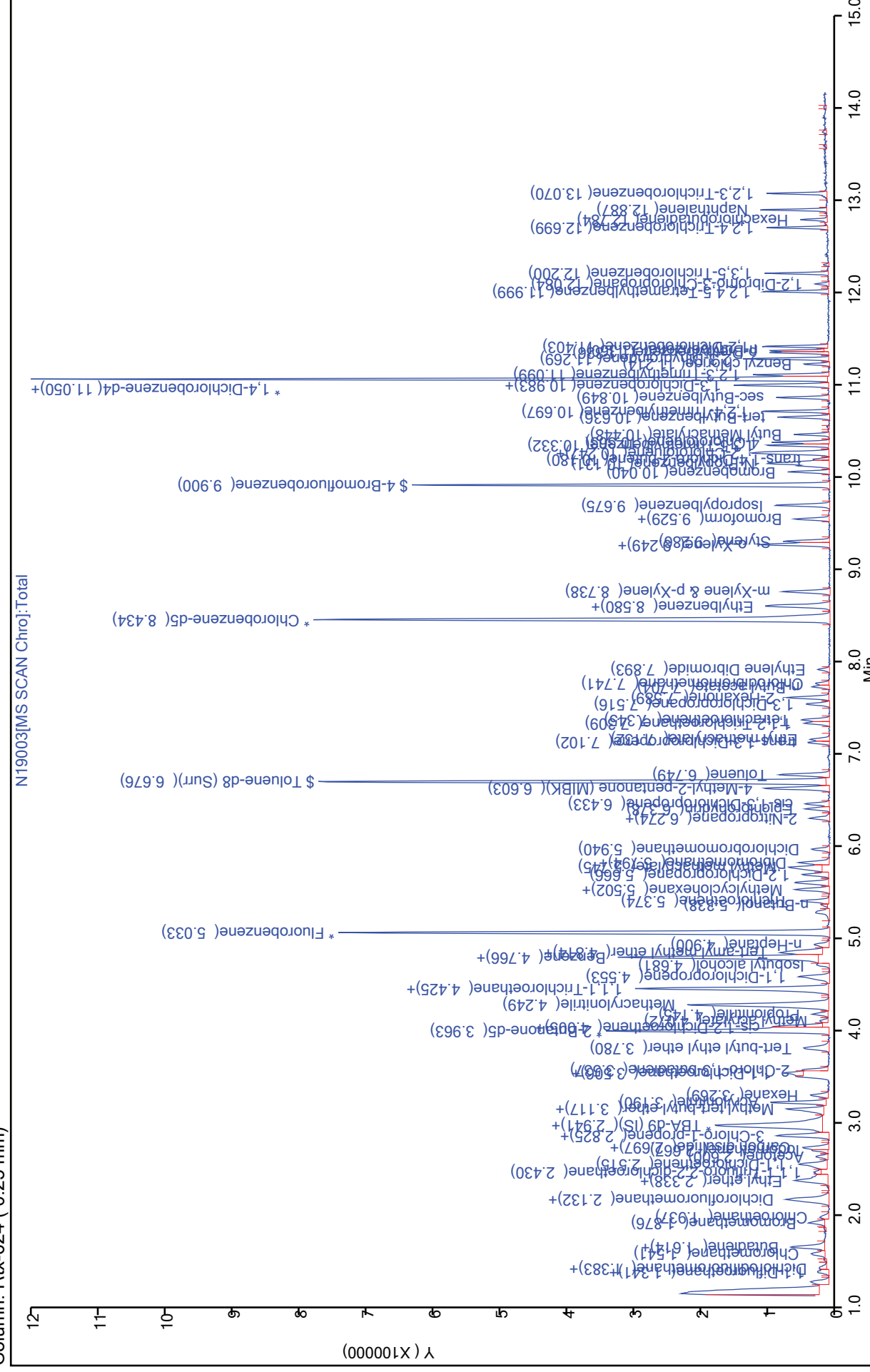
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

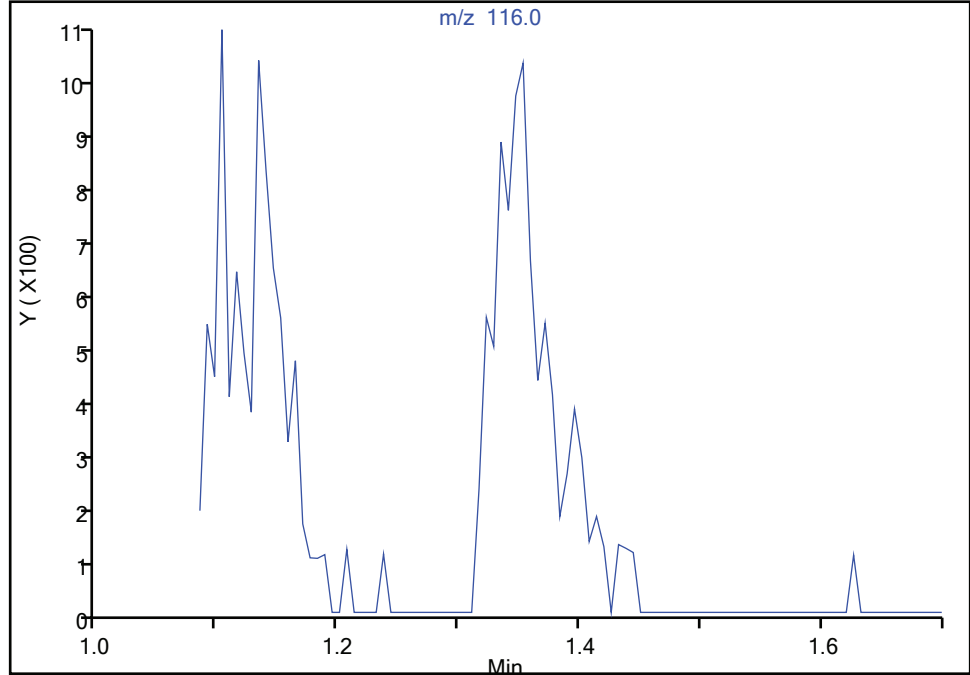
4 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

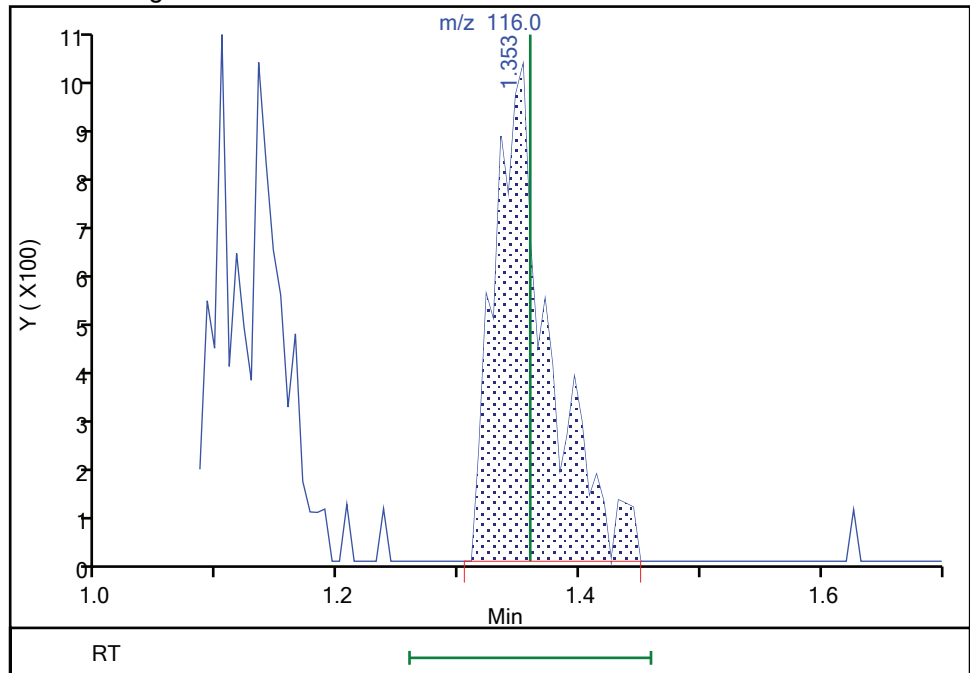
Not Detected

Expected RT: 1.36

Processing Integration Results



Manual Integration Results



RT: 1.35

Area: 3259

Amount: 4.603272

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:36:23

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

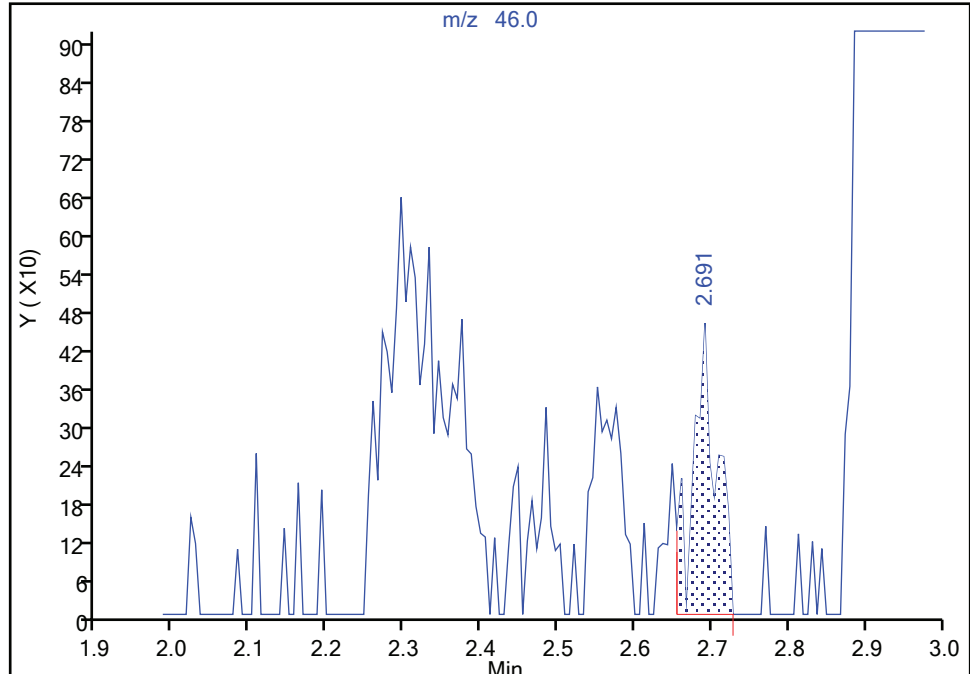
Detector: MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

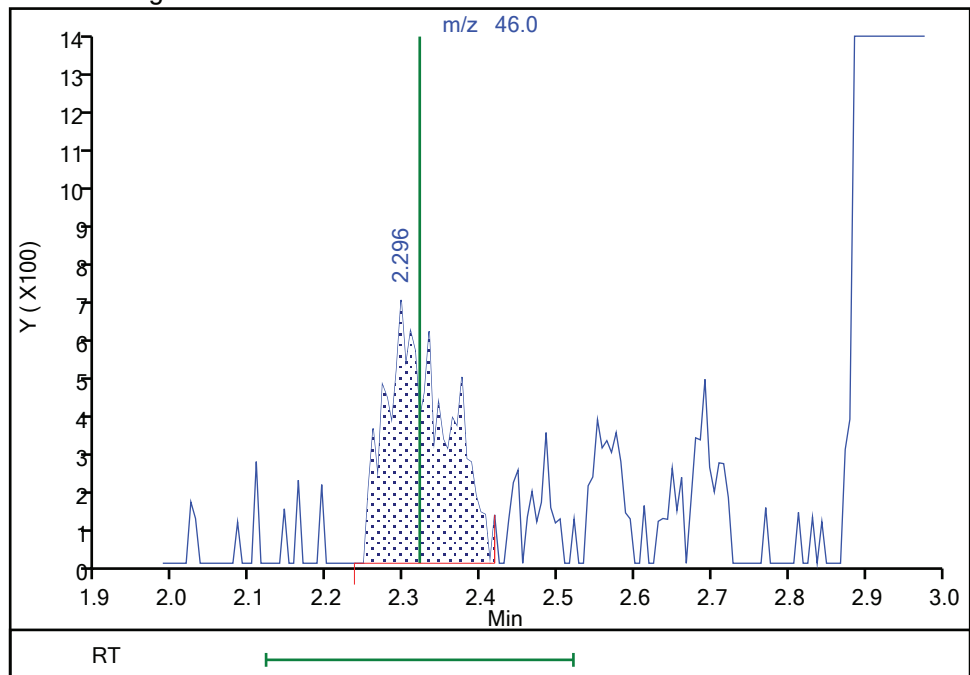
RT: 2.69
Area: 965
Amount: 102.9340
Amount Units: ug/l

Processing Integration Results



RT: 2.30
Area: 3463
Amount: 244.8046
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:37:50

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

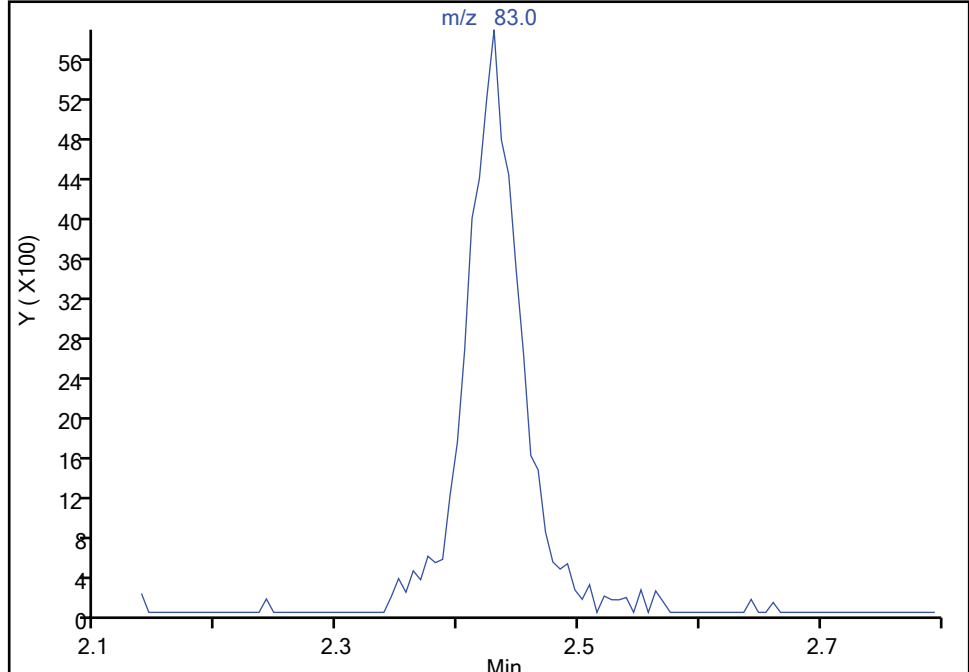
19 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

Not Detected

Expected RT: 2.44

Processing Integration Results



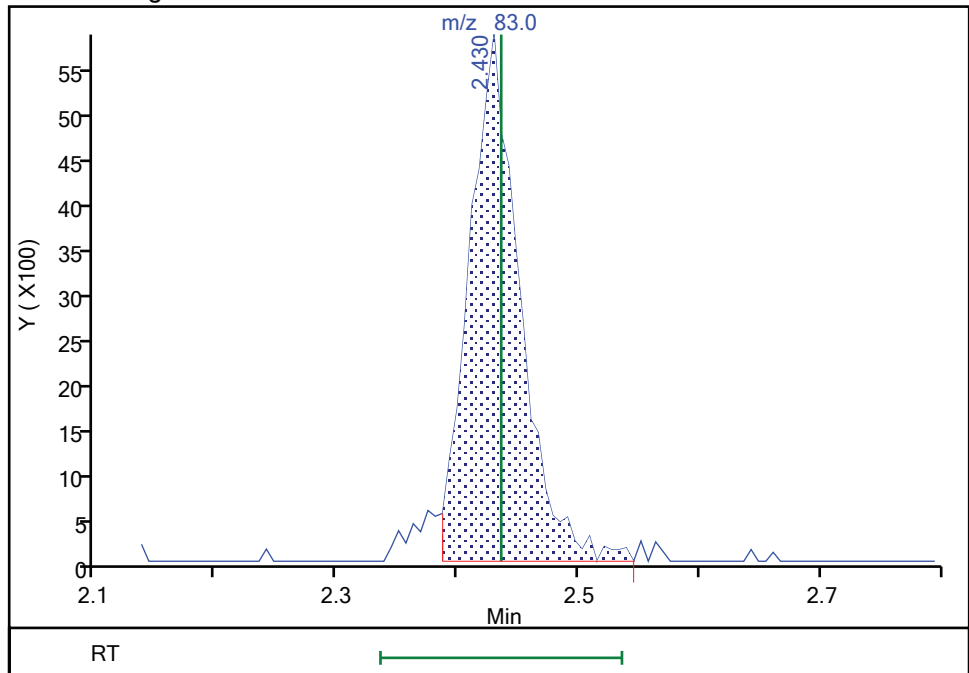
RT: 2.43

Area: 17277

Amount: 4.944735

Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:37:26

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

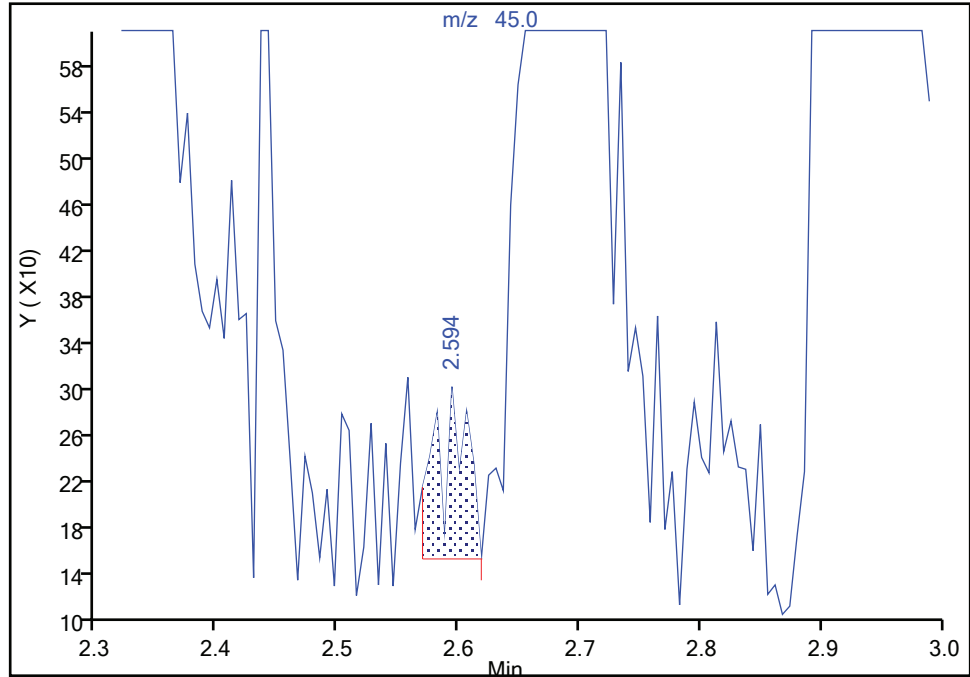
Detector: MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

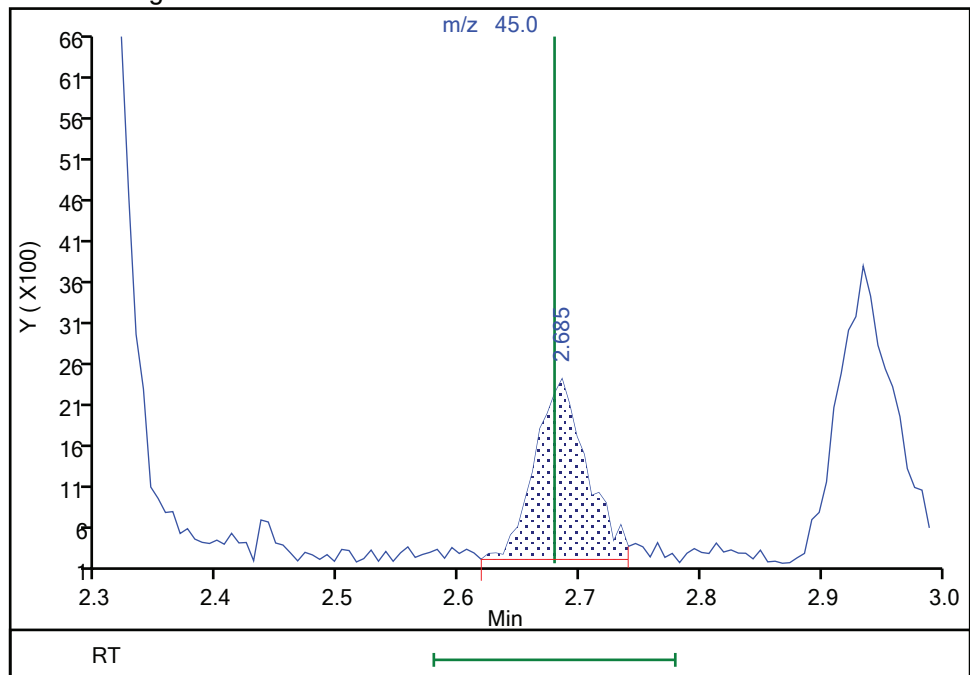
RT: 2.59
Area: 260
Amount: 2.010373
Amount Units: ug/l

Processing Integration Results



RT: 2.69
Area: 6643
Amount: 43.150006
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:38:44

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Data File:	\\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D		
Injection Date:	13-May-2020 15:45:30	Instrument ID:	CVOAMS11
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_11	Limit Group:	VOA - 8260C W
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

ALS Bottle#: 4 Worklist Smp#: 5
Dil. Factor: 1.0000
Limit Group: VOA - 8260C Water and Solid
Detector MS SCAN

Signal: 1

Not Detected
Expected RT: 3.99

The chromatogram displays a baseline with several small peaks between 3.7 and 4.1 minutes. A very sharp, dominant peak occurs at approximately 3.98 minutes, reaching a relative intensity of over 20. This peak is labeled with m/z 79.0. Following this peak, the signal drops but remains elevated with multiple smaller peaks between 4.0 and 4.3 minutes, with the highest of these being around 4.23 minutes with a relative intensity of approximately 14.5. The baseline returns to near zero by 4.3 minutes.

RT: 3.99
Area: 5486
Amount: 4.810879
Amount Units: ug/l

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

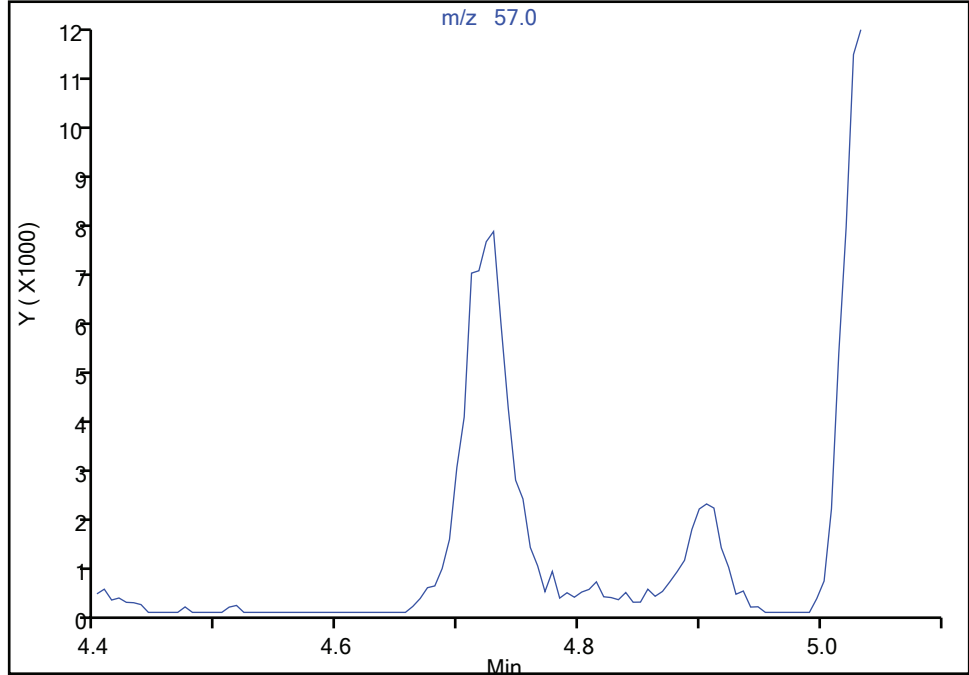
60 Isooctane, CAS: 540-84-1

Signal: 1

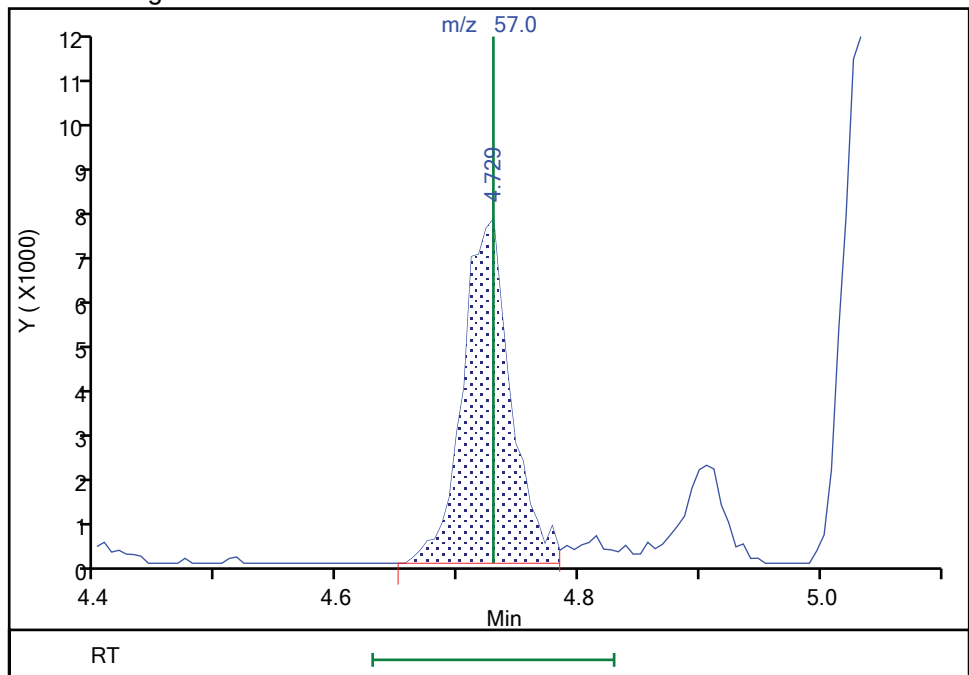
Not Detected

Expected RT: 4.73

Processing Integration Results



Manual Integration Results



RT: 4.73

Area: 21264

Amount: 4.849884

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:39:51

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

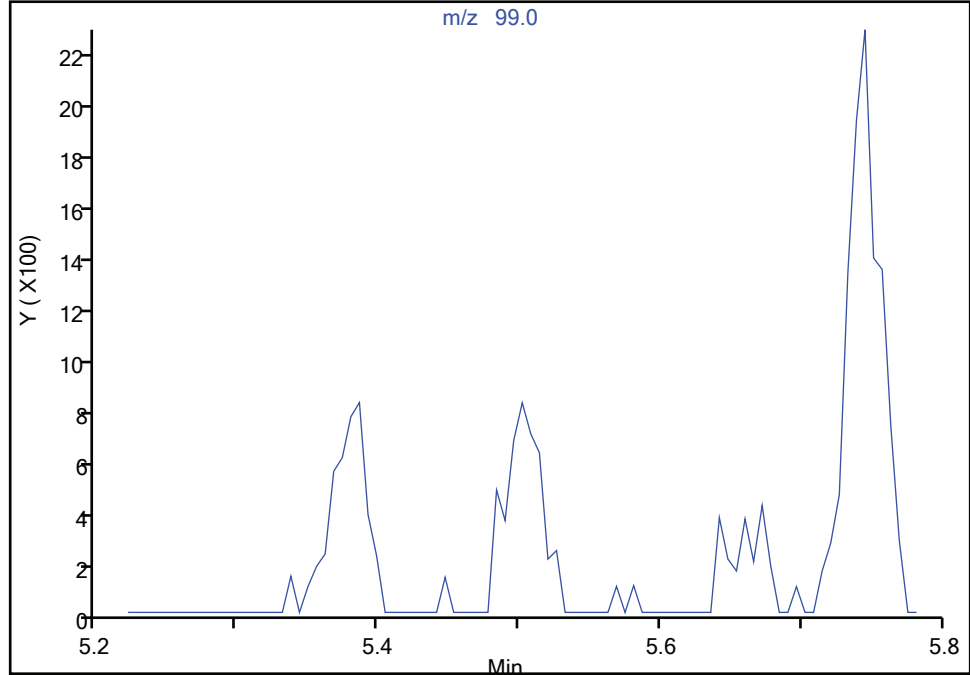
70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

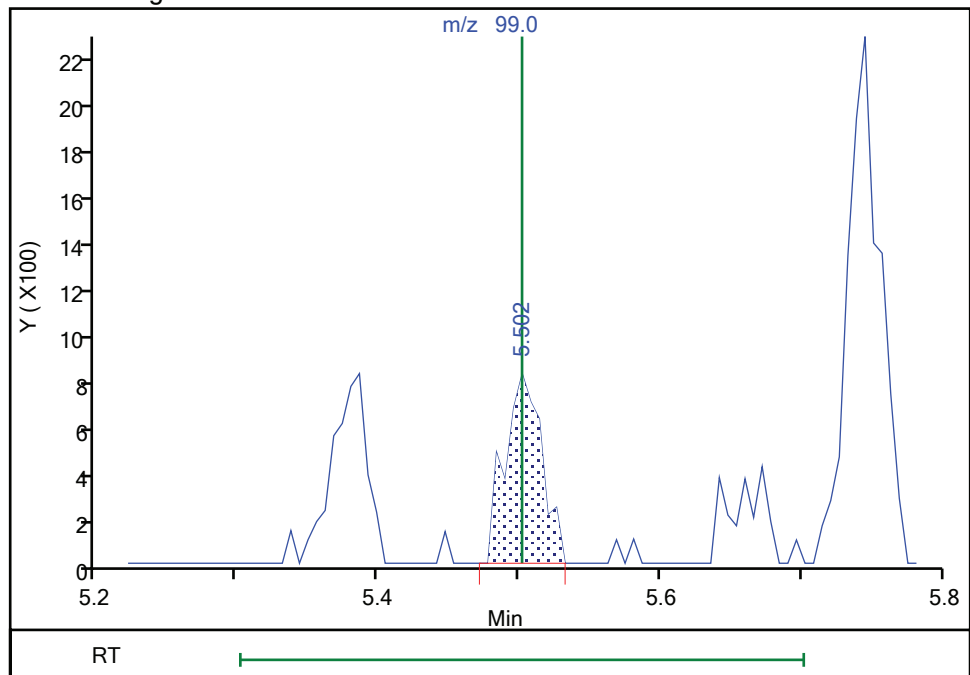
Not Detected

Expected RT: 5.50

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 13-May-2020 19:40:00

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19003.D

Injection Date: 13-May-2020 15:45:30

Instrument ID: CVOAMS11

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

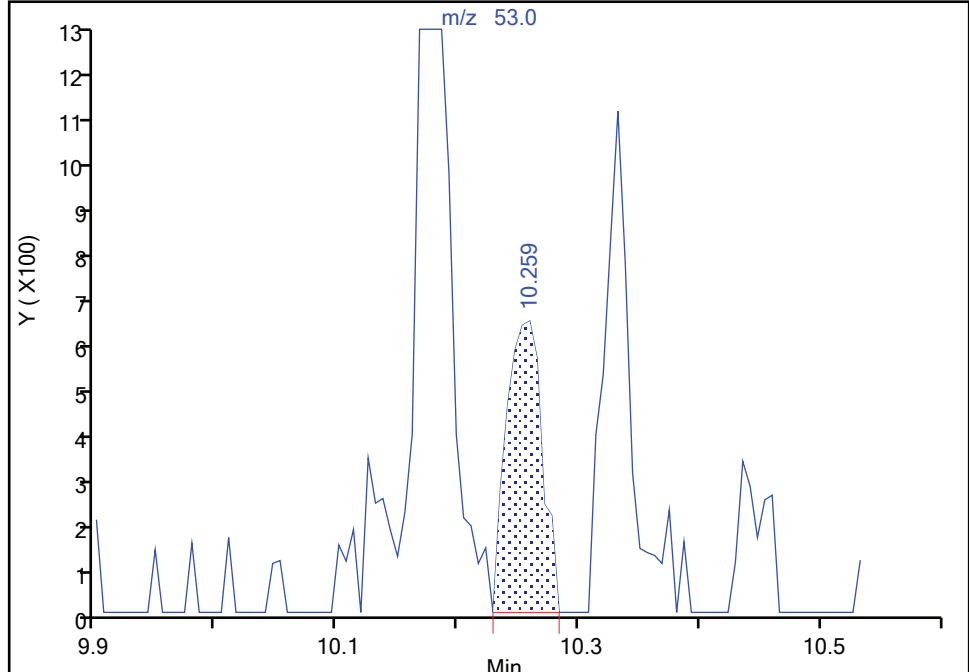
MS SCAN

111 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

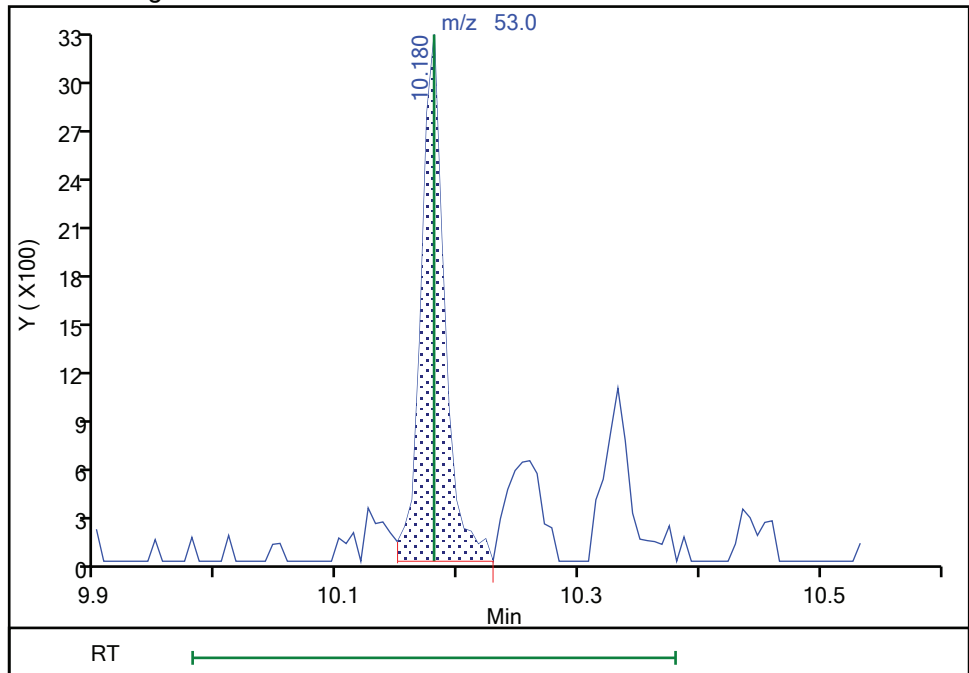
RT: 10.26
Area: 1265
Amount: 1.408334
Amount Units: ug/l

Processing Integration Results



RT: 10.18
Area: 4376
Amount: 5.026011
Amount Units: ug/l

Manual Integration Results



Reviewer: pakanatir, 14-May-2020 08:15:41

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19004.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 3
 Inject. Date: 13-May-2020 16:08:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0110045-006
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:43:45 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: baronm

Date: 13-May-2020 19:43:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 1,1-Difluoroethane	51	1.341	1.341	0.000	93	42241	20.0	16.7	
4 Chlorotrifluoroethene	116	1.347	1.347	0.000	52	12315	20.0	17.2	a
5 Dichlorodifluoromethane	87	1.371	1.371	0.000	98	18385	20.0	16.9	
6 Chlorodifluoromethane	51	1.395	1.395	0.000	97	58539	20.0	18.0	
7 Chloromethane	52	1.535	1.535	0.000	99	33819	20.0	18.3	
9 Butadiene	54	1.614	1.614	0.000	97	68128	20.0	17.3	
8 Vinyl chloride	62	1.620	1.620	0.000	75	85558	20.0	17.6	
10 Bromomethane	94	1.876	1.876	0.000	98	63566	20.0	19.5	
11 Chloroethane	64	1.943	1.943	0.000	99	42905	20.0	17.4	
12 Dichlorofluoromethane	67	2.113	2.113	0.000	97	99623	20.0	17.7	
13 Trichlorofluoromethane	101	2.113	2.113	0.000	57	62318	20.0	16.3	
14 Pentane	72	2.138	2.138	0.000	97	14442	40.0	39.4	
15 Ethanol	46	2.320	2.320	0.000	71	10385	800.0	738.1	Ma
16 Ethyl ether	74	2.320	2.320	0.000	94	32767	20.0	19.7	
17 2-Methyl-1,3-butadiene	53	2.338	2.338	0.000	98	39012	20.0	17.6	
18 1,2-Dichloro-1,1,2-trifluoroethane	117	2.381	2.381	0.000	92	37749	20.0	17.6	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.430	2.430	0.000	93	68969	20.0	19.5	a
20 Acrolein	56	2.484	2.484	0.000	91	15939	40.0	43.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.496	2.496	0.000	96	40316	20.0	18.1	
22 1,1-Dichloroethene	96	2.521	2.521	0.000	98	40554	20.0	17.2	
23 Acetone	58	2.600	2.600	0.000	86	28191	100.0	85.3	
24 Iodomethane	142	2.667	2.667	0.000	99	92210	20.0	18.7	
25 Isopropyl alcohol	45	2.679	2.679	0.000	98	29720	200.0	194.1	
26 Carbon disulfide	76	2.697	2.697	0.000	100	164166	20.0	18.1	
27 3-Chloro-1-propene	76	2.819	2.819	0.000	93	28584	20.0	18.2	
28 Methyl acetate	74	2.831	2.831	0.000	98	19661	40.0	40.6	
29 Cyclopentene	67	2.837	2.837	0.000	94	108777	20.0	18.2	
30 Acetonitrile	41	2.880	2.880	0.000	98	82362	200.0	211.5	
* 31 TBA-d9 (IS)	66	2.934	2.934	0.000	93	43195	1000.0	1000.0	
32 Methylene Chloride	84	2.941	2.941	0.000	94	62202	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
33 2-Methyl-2-propanol	59	2.995	2.995	0.000	98	49214	200.0	192.8	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	97	139137	20.0	19.2	
35 trans-1,2-Dichloroethene	96	3.117	3.117	0.000	95	49969	20.0	18.8	
36 Acrylonitrile	53	3.190	3.190	0.000	93	246009	200.0	208.2	
37 Hexane	56	3.263	3.263	0.000	93	24271	20.0	18.8	
38 Isopropyl ether	45	3.470	3.470	0.000	97	188459	20.0	19.8	
39 1,1-Dichloroethane	63	3.500	3.500	0.000	99	91812	20.0	19.2	
40 Vinyl acetate	86	3.512	3.512	0.000	100	20689	40.0	38.1	
41 2-Chloro-1,3-butadiene	88	3.543	3.543	0.000	92	39513	20.0	17.9	
42 Tert-butyl ethyl ether	59	3.780	3.780	0.000	90	154537	20.0	19.9	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	98	389644	250.0	250.0	
44 2,2-Dichloropropane	79	3.981	3.981	0.000	92	18971	20.0	16.5	
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	96	56742	20.0	19.3	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	96	34072	100.0	91.6	
47 Ethyl acetate	70	4.017	4.017	0.000	96	12720	40.0	37.9	
48 Methyl acrylate	55	4.072	4.072	0.000	99	50680	20.0	19.3	
49 Propionitrile	54	4.145	4.145	0.000	98	91238	200.0	209.5	
51 Chlorobromomethane	128	4.224	4.224	0.000	92	29284	20.0	19.6	
50 Tetrahydrofuran	72	4.218	4.218	0.000	68	15320	40.0	38.7	
52 Methacrylonitrile	67	4.249	4.249	0.000	93	255352	200.0	194.4	
53 Chloroform	83	4.273	4.273	0.000	98	87438	20.0	18.9	
54 Cyclohexane	84	4.401	4.401	0.000	94	60276	20.0	18.3	
55 1,1,1-Trichloroethane	97	4.413	4.413	0.000	97	64566	20.0	18.1	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	131966	50.0	48.5	
57 Carbon tetrachloride	117	4.528	4.528	0.000	97	48001	20.0	17.5	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	93	57470	20.0	18.1	
59 Isobutyl alcohol	43	4.680	4.680	0.000	97	76513	500.0	573.0	
60 Isooctane	57	4.723	4.723	0.000	91	77128	20.0	17.4	
61 Benzene	78	4.753	4.753	0.000	97	196902	20.0	19.0	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	97	155305	50.0	47.1	
64 Isopropyl acetate	43	4.814	4.814	0.000	95	163721	20.0	19.0	
63 Tert-amyl methyl ether	73	4.814	4.814	0.000	91	153537	20.0	20.2	
65 1,2-Dichloroethane	62	4.839	4.839	0.000	96	68420	20.0	18.7	
66 n-Heptane	57	4.899	4.899	0.000	95	19084	20.0	18.4	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	596719	50.0	50.0	
68 n-Butanol	56	5.331	5.331	0.000	93	27171	500.0	472.8	
69 Trichloroethene	95	5.380	5.380	0.000	98	45404	20.0	18.1	
70 Ethyl acrylate	99	5.508	5.508	0.000	96	6954	20.0	20.8	
71 Methylcyclohexane	83	5.502	5.502	0.000	72	55042	20.0	17.9	
72 1,2-Dichloropropane	63	5.660	5.660	0.000	88	53002	20.0	19.3	
* 73 1,4-Dioxane-d8	96	5.721	5.721	0.000	86	31175	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	90	24247	40.0	35.9	
75 1,4-Dioxane	88	5.776	5.776	0.000	55	12248	400.0	410.2	
76 Dibromomethane	93	5.788	5.788	0.000	96	33741	20.0	19.4	
77 n-Propyl acetate	43	5.800	5.800	0.000	99	78715	20.0	18.8	
78 Dichlorobromomethane	83	5.940	5.940	0.000	98	58175	20.0	18.6	
79 2-Nitropropane	41	6.274	6.274	0.000	79	21234	40.0	34.9	
80 2-Chloroethyl vinyl ether	63	6.274	6.274	0.000	82	32567	20.0	18.9	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	110673	400.0	390.6	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.000	96	74337	20.0	19.5	
83 4-Methyl-2-pentanone (MIBK)	43	6.597	6.597	0.000	98	295152	100.0	97.3	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	494767	50.0	49.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Toluene	91	6.749	6.749	0.000	93	198545	20.0	18.9	
86 trans-1,3-Dichloropropene	75	7.102	7.102	0.000	96	64015	20.0	19.1	
87 Ethyl methacrylate	69	7.132	7.132	0.000	91	59037	20.0	19.0	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	96	39109	20.0	19.2	
89 Tetrachloroethene	166	7.345	7.345	0.000	95	41574	20.0	17.5	
90 1,3-Dichloropropane	76	7.515	7.515	0.000	95	76167	20.0	20.2	
91 2-Hexanone	58	7.588	7.588	0.000	98	95425	100.0	94.5	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	80910	20.0	19.8	
93 Chlorodibromomethane	129	7.741	7.741	0.000	98	39490	20.0	18.9	
94 Ethylene Dibromide	107	7.893	7.893	0.000	99	44401	20.0	19.9	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	87	417324	50.0	50.0	
96 Chlorobenzene	112	8.471	8.471	0.000	95	125519	20.0	19.2	
97 Ethylbenzene	106	8.580	8.580	0.000	99	64355	20.0	18.5	
98 1,1,1,2-Tetrachloroethane	131	8.592	8.592	0.000	90	42357	20.0	18.6	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	78855	20.0	18.8	
101 n-Butyl acrylate	73	9.255	9.255	0.000	63	32916	20.0	18.4	
100 o-Xylene	106	9.255	9.255	0.000	93	82511	20.0	18.9	
102 Styrene	104	9.286	9.286	0.000	94	135523	20.0	19.8	
104 Bromoform	173	9.529	9.529	0.000	96	25385	20.0	18.3	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	90	86063	20.0	18.8	
105 Isopropylbenzene	105	9.681	9.681	0.000	97	190311	20.0	18.6	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	152848	50.0	48.9	
107 Bromobenzene	156	10.046	10.046	0.000	97	55933	20.0	18.8	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	97	66411	20.0	19.9	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	222259	20.0	18.4	
110 1,2,3-Trichloropropane	110	10.156	10.156	0.000	96	18852	20.0	19.6	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	80	16195	20.0	18.1	
112 2-Chlorotoluene	91	10.241	10.241	0.000	98	166945	20.0	18.7	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	189527	20.0	19.0	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	163159	20.0	18.7	
115 4-Chlorotoluene	91	10.363	10.363	0.000	98	154715	20.0	19.2	
116 Butyl Methacrylate	87	10.448	10.448	0.000	95	55831	20.0	19.6	
117 tert-Butylbenzene	119	10.636	10.636	0.000	94	120875	20.0	18.5	
118 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	98	176952	20.0	18.8	
119 sec-Butylbenzene	105	10.849	10.849	0.000	98	170367	20.0	18.4	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	104997	20.0	19.4	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	152094	20.0	18.6	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	234033	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.068	0.000	96	108215	20.0	19.2	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	99	197350	20.0	19.4	
125 Benzyl chloride	126	11.214	11.214	0.000	99	17369	20.0	17.1	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	94	204037	20.0	20.1	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	81525	20.0	19.1	
128 n-Butylbenzene	92	11.360	11.360	0.000	97	74359	20.0	18.9	
129 1,2-Dichlorobenzene	146	11.409	11.409	0.000	96	112666	20.0	19.3	
130 1,2,4,5-Tetramethylbenzene	119	12.005	12.005	0.000	97	162513	20.0	18.8	
131 1,2-Dibromo-3-Chloropropane	157	12.090	12.090	0.000	90	13166	20.0	18.3	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	97	80243	20.0	20.1	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	94	79625	20.0	19.5	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	95	19462	20.0	18.2	
135 Naphthalene	128	12.887	12.887	0.000	99	234136	20.0	20.0	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	95	78924	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
S 137 1,2-Dichloroethene, Total	100				0		40.0	38.1	
S 138 Xylenes, Total	100				0		40.0	37.7	
S 139 Total BTEX	1				0		100.0	94.1	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00367	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00118	Amount Added: 20.00	Units: uL	
524freon_00022	Amount Added: 20.00	Units: uL	
ACROLEIN W_00106	Amount Added: 4.00	Units: uL	
8260SURR250_00207	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfms\Edison\ChromData\CVOAMS11\20200513-110045.b\N19004.D

Injection Date: 13-May-2020 16:08:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: STD20

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

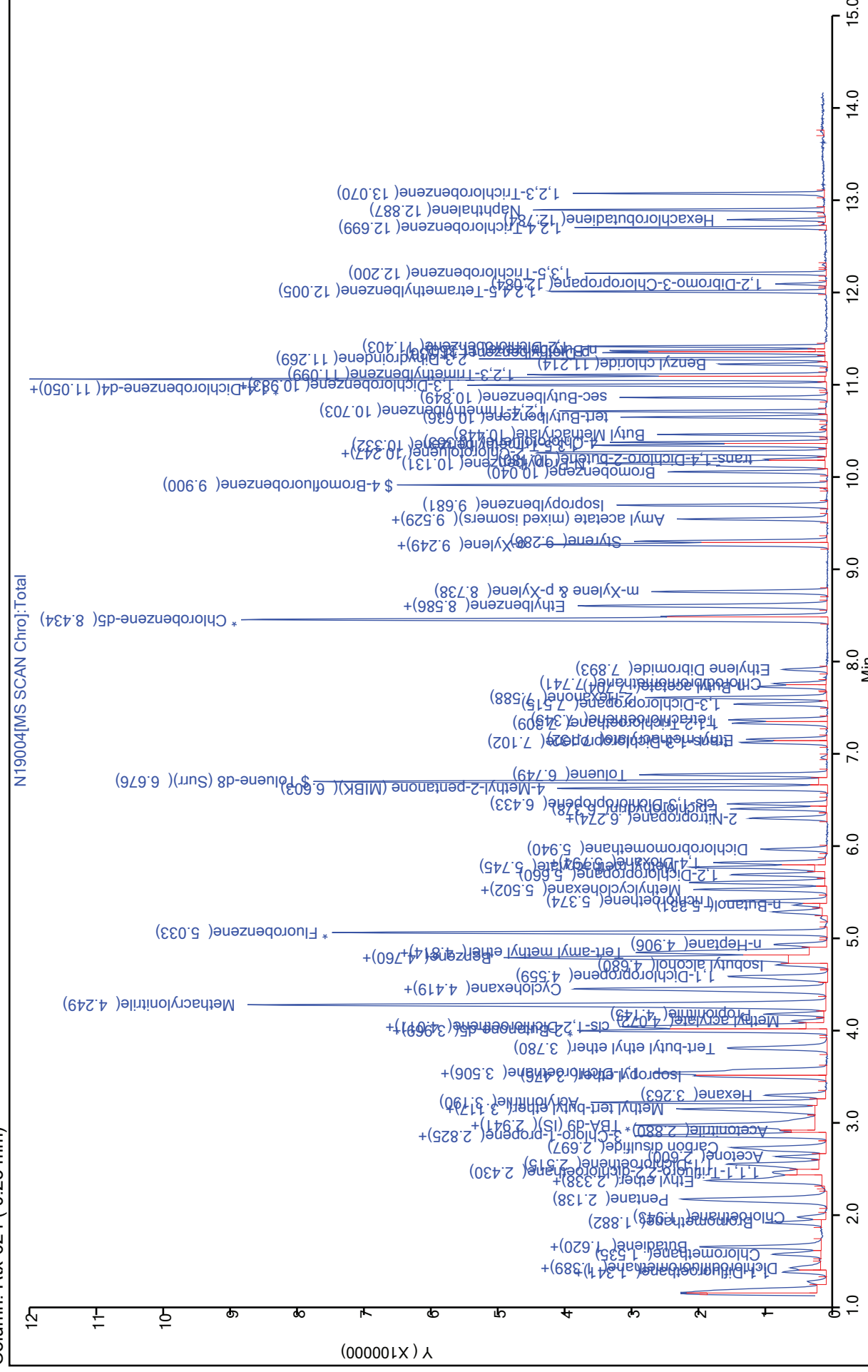
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19004.D

Injection Date: 13-May-2020 16:08:30

Instrument ID: CVOAMS11

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

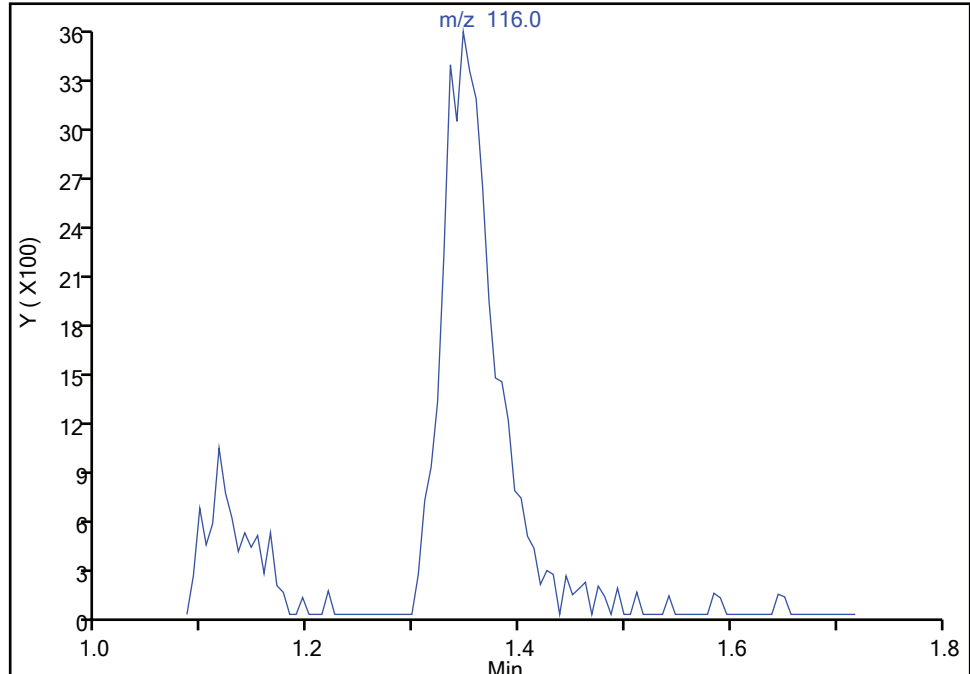
4 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

Not Detected

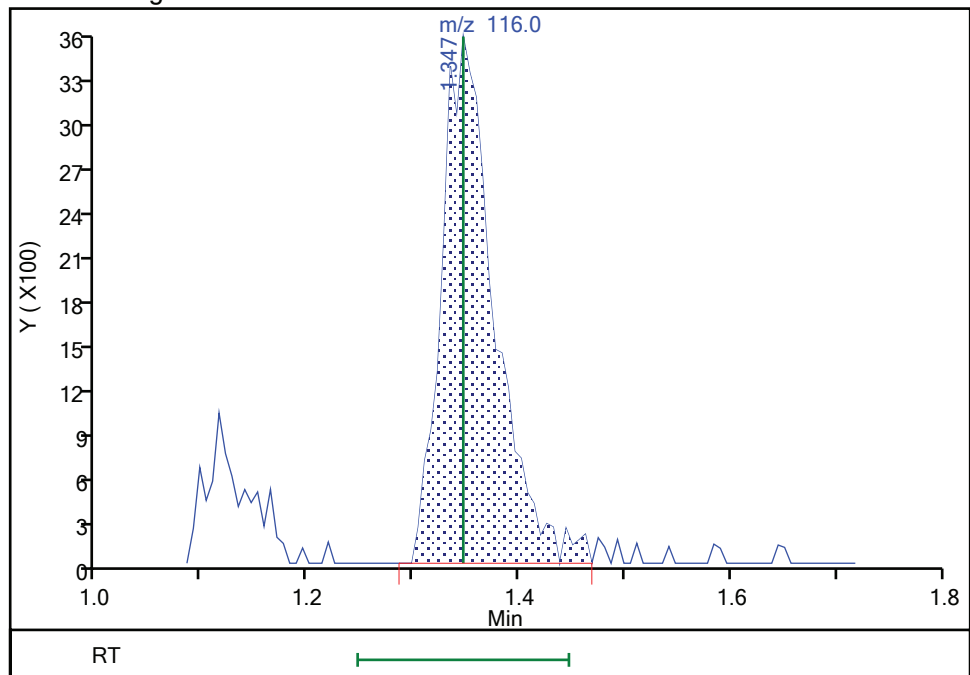
Expected RT: 1.35

Processing Integration Results



Manual Integration Results

RT: 1.35
Area: 12315
Amount: 17.224539
Amount Units: ug/l



Reviewer: baronm, 13-May-2020 19:42:24

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19004.D

Injection Date: 13-May-2020 16:08:30

Instrument ID: CVOAMS11

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

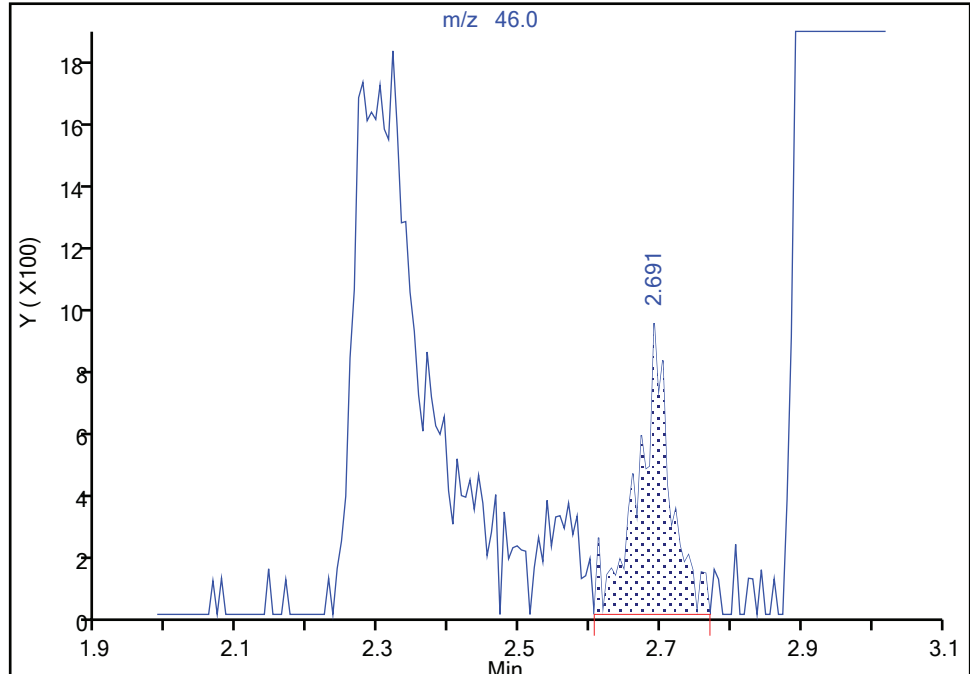
Detector: MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

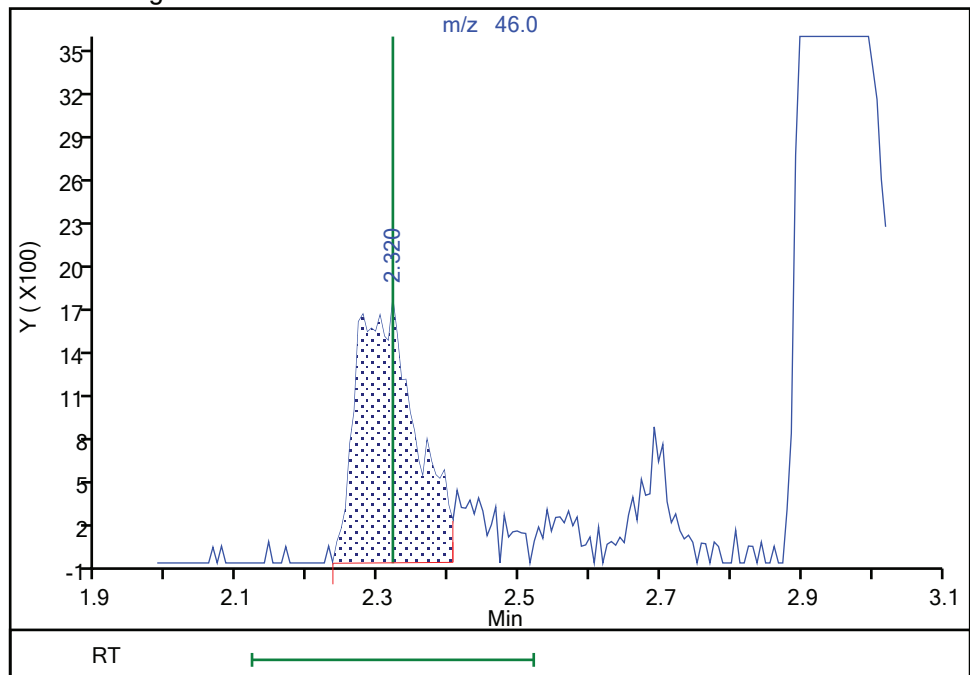
RT: 2.69
Area: 2903
Amount: 407.2875
Amount Units: ug/l

Processing Integration Results



RT: 2.32
Area: 10385
Amount: 738.0910
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:42:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19004.D

Injection Date: 13-May-2020 16:08:30

Instrument ID: CVOAMS11

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

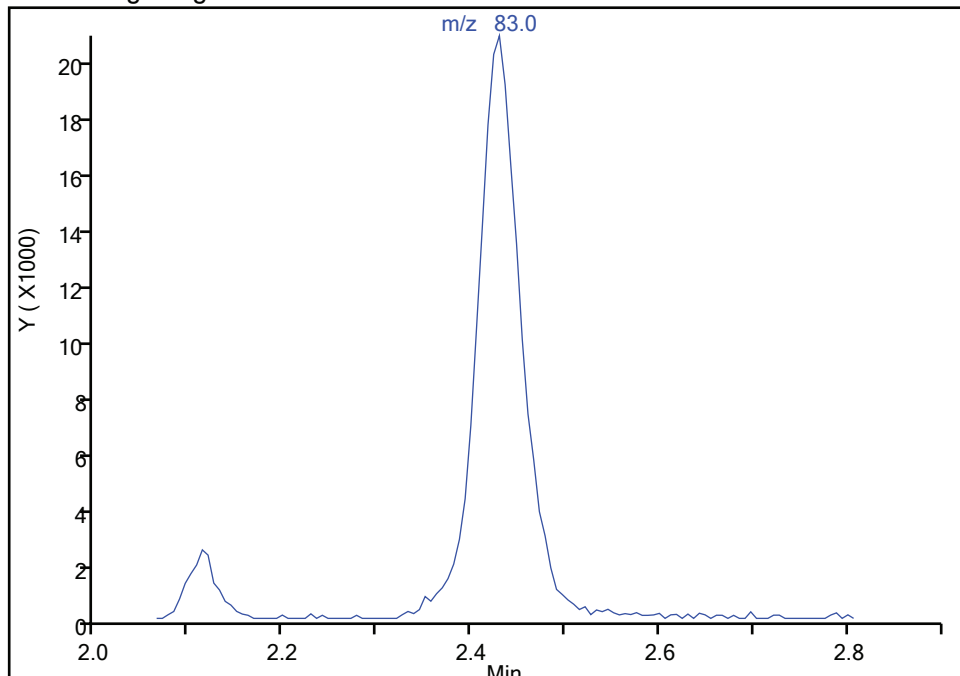
19 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

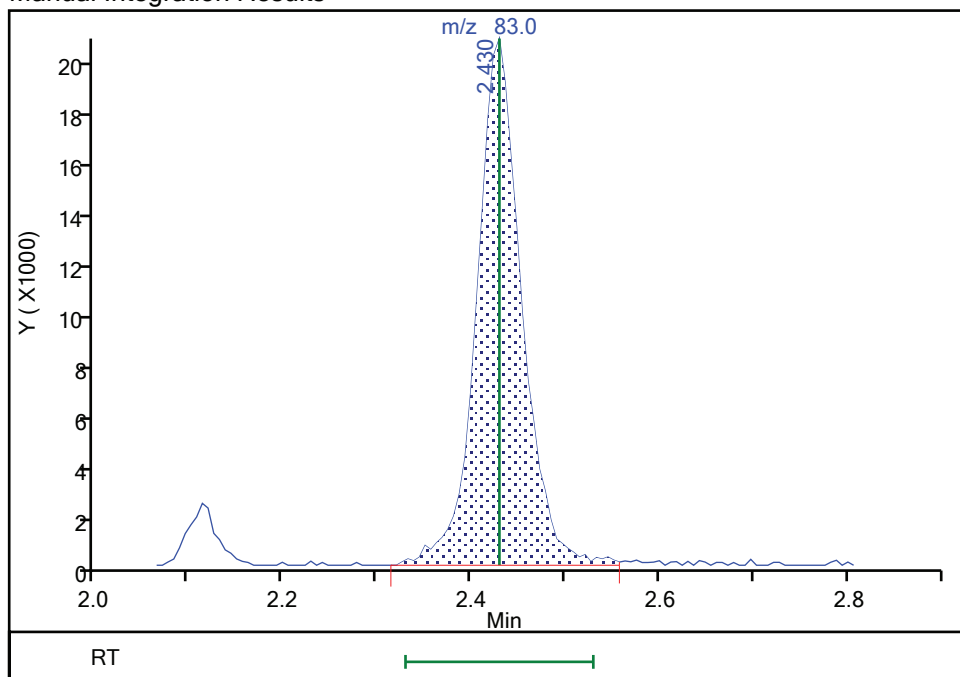
Not Detected

Expected RT: 2.43

Processing Integration Results



Manual Integration Results



Reviewer: baronm, 13-May-2020 19:43:00

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19005.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 13-May-2020 16:30:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0110045-007
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:44:01 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: starzecm

Date: 13-May-2020 17:18:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 1,1-Difluoroethane	51	1.347	1.341	0.006	93	127083	50.0	50.7	
4 Chlorotrifluoroethene	116	1.353	1.347	0.006	49	32929	50.0	46.4	a
5 Dichlorodifluoromethane	87	1.377	1.371	0.006	98	57792	50.0	53.4	
6 Chlorodifluoromethane	51	1.402	1.395	0.007	97	165385	50.0	51.2	
7 Chloromethane	52	1.541	1.535	0.006	99	93451	50.0	51.5	
9 Butadiene	54	1.621	1.614	0.007	96	209017	50.0	53.4	
8 Vinyl chloride	62	1.627	1.620	0.007	78	255206	50.0	52.7	
10 Bromomethane	94	1.888	1.876	0.012	97	157468	50.0	48.6	
11 Chloroethane	64	1.943	1.943	0.000	100	123096	50.0	50.2	
12 Dichlorofluoromethane	67	2.119	2.113	0.006	99	284574	50.0	51.0	
13 Trichlorofluoromethane	101	2.125	2.113	0.012	98	198692	50.0	52.2	
14 Pentane	72	2.150	2.138	0.012	96	42335	100.0	112.1	
15 Ethanol	46	2.290	2.320	-0.030	90	26227	2000.0	1809.8	a
16 Ethyl ether	74	2.326	2.320	0.006	93	83397	50.0	50.6	
17 2-Methyl-1,3-butadiene	53	2.344	2.338	0.006	99	116576	50.0	52.8	
18 1,2-Dichloro-1,1,2-trifluoroethane	117	2.381	2.381	0.000	84	114689	50.0	53.9	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.436	2.430	0.006	97	182942	50.0	52.2	a
20 Acrolein	56	2.490	2.484	0.006	94	38346	100.0	100.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.509	2.496	0.013	98	111789	50.0	50.6	
22 1,1-Dichloroethene	96	2.527	2.521	0.006	97	116896	50.0	50.0	
23 Acetone	58	2.600	2.600	0.000	86	70158	250.0	215.8	
24 Iodomethane	142	2.673	2.667	0.006	98	251611	50.0	51.3	
25 Isopropyl alcohol	45	2.685	2.679	0.006	99	76278	500.0	483.6	
26 Carbon disulfide	76	2.703	2.697	0.006	100	460566	50.0	51.1	
27 3-Chloro-1-propene	76	2.825	2.819	0.006	93	77741	50.0	49.8	
28 Methyl acetate	74	2.831	2.831	0.000	100	49616	100.0	99.6	
29 Cyclopentene	67	2.843	2.837	0.006	93	308358	50.0	51.8	
30 Acetonitrile	41	2.886	2.880	0.006	98	200891	500.0	502.1	
* 31 TBA-d9 (IS)	66	2.941	2.934	0.007	66	44490	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.941	0.006	96	155678	50.0	48.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 2-Methyl-2-propanol	59	3.008	2.995	0.013	98	122144	500.0	464.6	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	97	360359	50.0	50.0	
35 trans-1,2-Dichloroethene	96	3.123	3.117	0.006	96	131837	50.0	50.0	
36 Acrylonitrile	53	3.190	3.190	0.000	94	612880	500.0	503.5	
37 Hexane	56	3.269	3.263	0.006	94	63280	50.0	49.3	
38 Isopropyl ether	45	3.476	3.470	0.006	96	477435	50.0	50.5	
39 1,1-Dichloroethane	63	3.506	3.500	0.006	99	240138	50.0	50.6	
40 Vinyl acetate	86	3.519	3.512	0.007	100	53149	100.0	99.5	
41 2-Chloro-1,3-butadiene	88	3.549	3.543	0.006	93	108067	50.0	49.2	
42 Tert-butyl ethyl ether	59	3.780	3.780	0.000	89	398143	50.0	51.7	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	97	383409	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.981	0.006	94	55781	50.0	48.8	
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	96	146988	50.0	50.3	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	97	86670	250.0	236.9	
47 Ethyl acetate	70	4.024	4.017	0.007	96	32001	100.0	96.8	
48 Methyl acrylate	55	4.078	4.072	0.006	99	130940	50.0	50.2	
49 Propionitrile	54	4.151	4.145	0.006	98	227643	500.0	507.6	
50 Tetrahydrofuran	72	4.218	4.218	0.000	71	37972	100.0	98.9	
51 Chlorobromomethane	128	4.224	4.224	0.000	92	74391	50.0	50.1	
52 Methacrylonitrile	67	4.249	4.249	0.000	93	643679	500.0	493.2	
53 Chloroform	83	4.279	4.273	0.006	97	226776	50.0	49.3	
54 Cyclohexane	84	4.401	4.401	0.000	94	171917	50.0	52.5	
55 1,1,1-Trichloroethane	97	4.419	4.413	0.006	98	183064	50.0	51.8	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	135578	50.0	50.2	
57 Carbon tetrachloride	117	4.535	4.528	0.007	98	136125	50.0	49.9	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	95	157953	50.0	50.1	
59 Isobutyl alcohol	43	4.681	4.680	0.001	96	162853	1250.0	1184.0	
60 Isooctane	57	4.729	4.723	0.006	96	220895	50.0	50.2	
61 Benzene	78	4.754	4.753	0.001	98	530584	50.0	50.2	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	87	162472	50.0	49.6	
64 Isopropyl acetate	43	4.814	4.814	0.000	96	435661	50.0	50.8	
63 Tert-amyl methyl ether	73	4.821	4.814	0.006	91	390361	50.0	51.7	
65 1,2-Dichloroethane	62	4.845	4.839	0.006	97	174510	50.0	48.0	
66 n-Heptane	57	4.906	4.899	0.007	97	53470	50.0	51.9	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	592869	50.0	50.0	
68 n-Butanol	56	5.332	5.331	0.001	94	73840	1250.0	1247.5	
69 Trichloroethene	95	5.380	5.380	0.000	98	122894	50.0	49.3	
71 Methylcyclohexane	83	5.502	5.502	0.000	80	161825	50.0	52.9	
70 Ethyl acrylate	99	5.502	5.508	-0.006	97	17631	50.0	53.2	
72 1,2-Dichloropropane	63	5.666	5.660	0.006	91	135620	50.0	49.8	
* 73 1,4-Dioxane-d8	96	5.715	5.721	-0.006	89	32913	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	90	68514	100.0	102.1	
75 1,4-Dioxane	88	5.776	5.776	0.000	87	30179	1000.0	957.4	
76 Dibromomethane	93	5.794	5.788	0.006	96	84926	50.0	49.0	
77 n-Propyl acetate	43	5.800	5.800	0.000	99	212492	50.0	51.1	
78 Dichlorobromomethane	83	5.940	5.940	0.000	99	152427	50.0	49.0	
79 2-Nitropropane	41	6.274	6.274	0.000	79	57077	100.0	91.0	
80 2-Chloroethyl vinyl ether	63	6.281	6.274	0.007	78	85512	50.1	49.8	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	289223	1000.0	1037.3	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.000	96	198810	50.0	51.3	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.597	0.006	98	775565	250.0	259.9	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	517272	50.0	50.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Toluene	91	6.749	6.749	0.000	93	528903	50.0	49.4	
86 trans-1,3-Dichloropropene	75	7.102	7.102	0.000	98	173002	50.0	50.9	
87 Ethyl methacrylate	69	7.138	7.132	0.006	91	163071	50.0	52.8	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	96	98911	50.0	47.9	
89 Tetrachloroethene	166	7.351	7.345	0.006	96	119996	50.0	49.6	
90 1,3-Dichloropropane	76	7.516	7.515	0.001	95	193626	50.0	50.4	
91 2-Hexanone	58	7.589	7.588	0.001	98	253767	250.0	255.3	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	206956	50.0	49.8	
93 Chlorodibromomethane	129	7.741	7.741	0.001	98	105780	50.0	49.8	
94 Ethylene Dibromide	107	7.893	7.893	0.000	99	115158	50.0	50.7	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	87	424311	50.0	50.0	
96 Chlorobenzene	112	8.477	8.471	0.006	94	333584	50.0	50.1	
97 Ethylbenzene	106	8.580	8.580	0.000	99	174412	50.0	49.4	
98 1,1,1,2-Tetrachloroethane	131	8.598	8.592	0.006	93	116776	50.0	50.6	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	214280	50.0	50.3	
101 n-Butyl acrylate	73	9.249	9.255	-0.006	66	91130	50.0	50.1	
100 o-Xylene	106	9.255	9.255	0.000	93	228143	50.0	51.4	
102 Styrene	104	9.286	9.286	0.000	94	368850	50.0	52.9	
104 Bromoform	173	9.529	9.529	0.000	53	69665	50.0	48.9	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	89	241976	50.0	51.5	
105 Isopropylbenzene	105	9.681	9.681	0.000	97	537138	50.0	51.6	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	160754	50.0	50.6	
107 Bromobenzene	156	10.040	10.046	-0.006	96	149832	50.0	49.1	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	171435	50.0	50.1	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	625440	50.0	50.6	
110 1,2,3-Trichloropropane	110	10.156	10.156	0.000	97	46208	50.0	46.9	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	75	44800	50.0	48.8	
112 2-Chlorotoluene	91	10.241	10.241	0.000	98	457376	50.0	50.1	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	522754	50.0	51.1	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	454561	50.0	50.8	
115 4-Chlorotoluene	91	10.363	10.363	0.000	98	415955	50.0	50.3	
116 Butyl Methacrylate	87	10.448	10.448	0.000	94	161252	50.0	53.5	
117 tert-Butylbenzene	119	10.636	10.636	0.000	94	342868	50.0	51.1	
118 1,2,4-Trimethylbenzene	105	10.697	10.703	-0.006	98	486524	50.0	50.5	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	495037	50.0	52.2	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	96	280862	50.0	50.7	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	428238	50.0	51.0	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	95	239819	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.074	11.068	0.006	96	285117	50.0	49.3	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	99	532907	50.0	51.2	
125 Benzyl chloride	126	11.214	11.214	0.000	99	51436	50.0	49.4	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	94	541360	50.0	52.0	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	228408	50.0	52.2	
128 n-Butylbenzene	92	11.360	11.360	0.000	96	208527	50.0	51.6	
129 1,2-Dichlorobenzene	146	11.409	11.409	0.000	96	299854	50.0	50.1	
130 1,2,4,5-Tetramethylbenzene	119	12.005	12.005	0.000	97	468422	50.0	53.0	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.090	-0.006	92	36235	50.0	49.1	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	97	209531	50.0	51.2	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	94	210102	50.0	50.3	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	96	54935	50.0	50.2	
135 Naphthalene	128	12.887	12.887	0.000	99	628841	50.0	52.5	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	95	205337	50.0	51.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 1,2-Dichloroethene, Total	100				0		100.0	100.3	
S 138 Xylenes, Total	100				0		100.0	101.8	
S 139 Total BTEX	1				0		250.0	250.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

524freon_00022	Amount Added: 50.00	Units: uL	
8260MIX1COMB_00118	Amount Added: 50.00	Units: uL	
ACROLEIN W_00106	Amount Added: 10.00	Units: uL	
GASES Li_00367	Amount Added: 50.00	Units: uL	
8260SURR250_00207	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19005.D

Injection Date: 13-May-2020 16:30:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: STD50

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

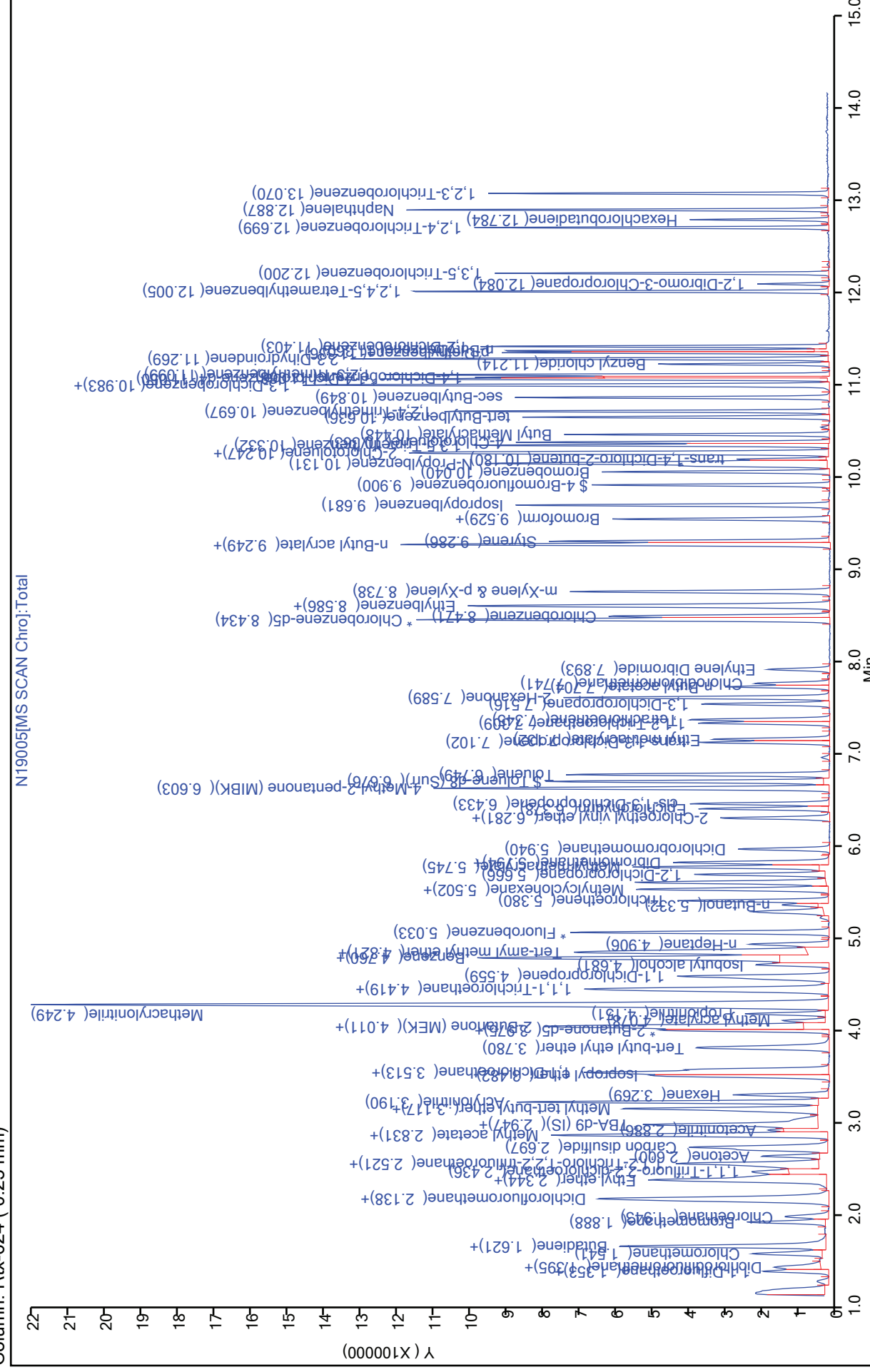
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19005.D

Injection Date: 13-May-2020 16:30:30

Instrument ID: CVOAMS11

Lims ID: STD50

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

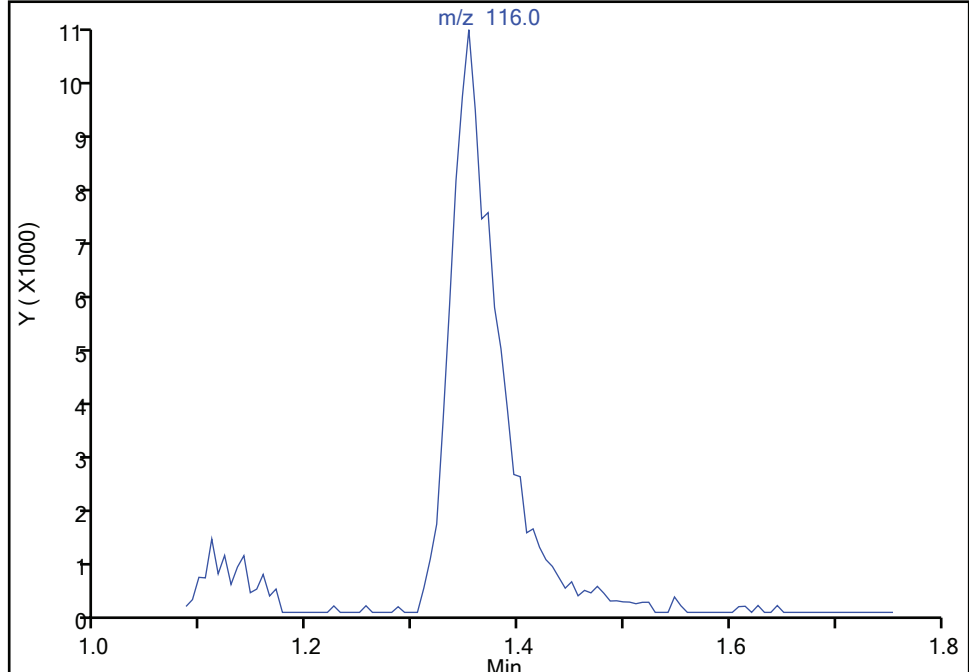
4 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

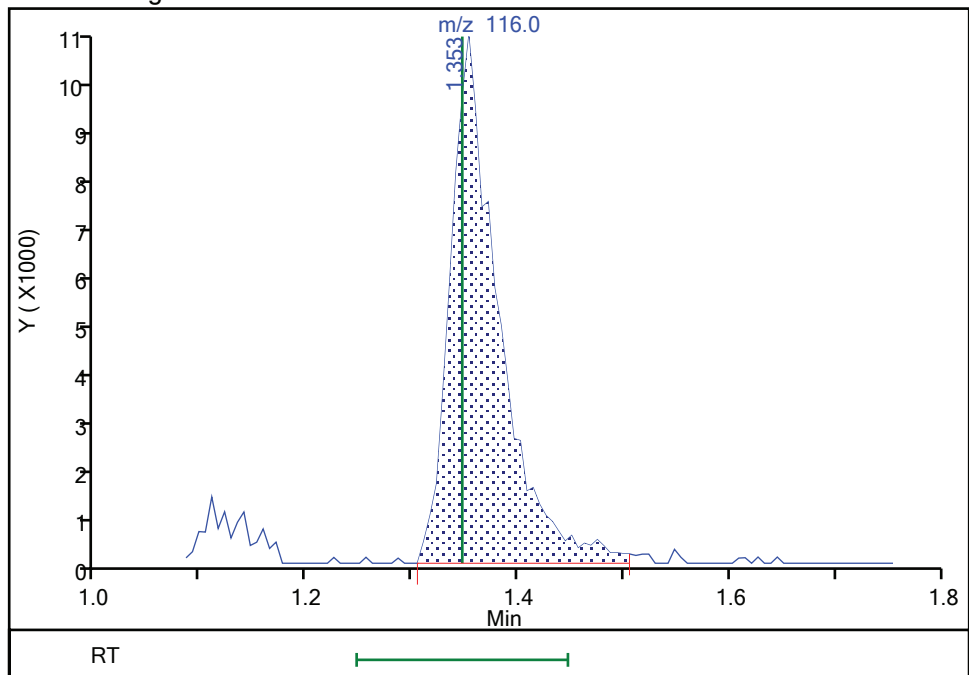
Not Detected

Expected RT: 1.35

Processing Integration Results



Manual Integration Results



RT: 1.35
Area: 32929
Amount: 46.355668
Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:44:11

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19005.D

Injection Date: 13-May-2020 16:30:30

Instrument ID: CVOAMS11

Lims ID: STD50

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

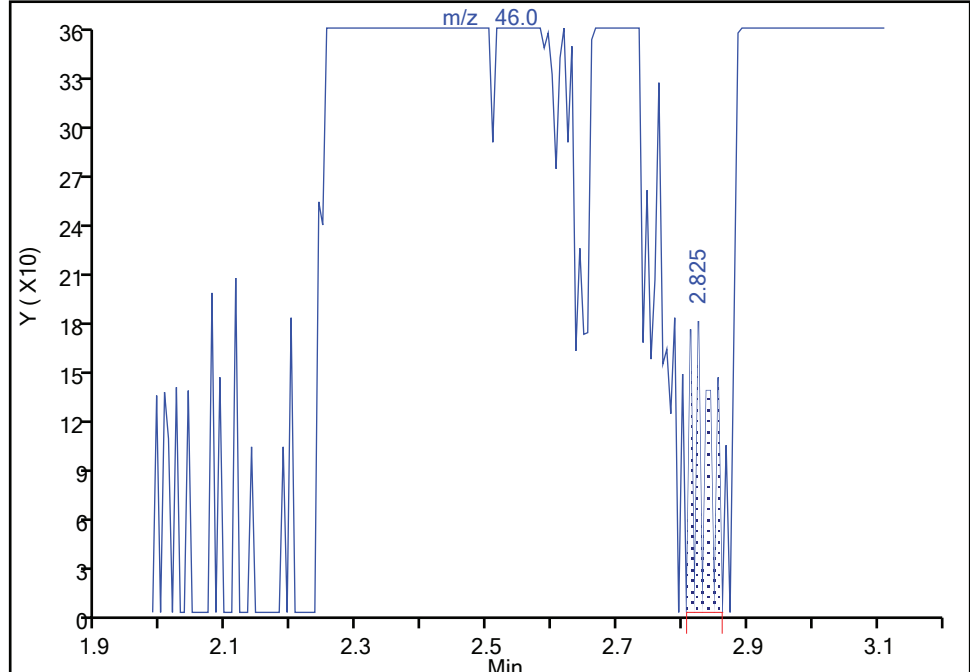
Detector: MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

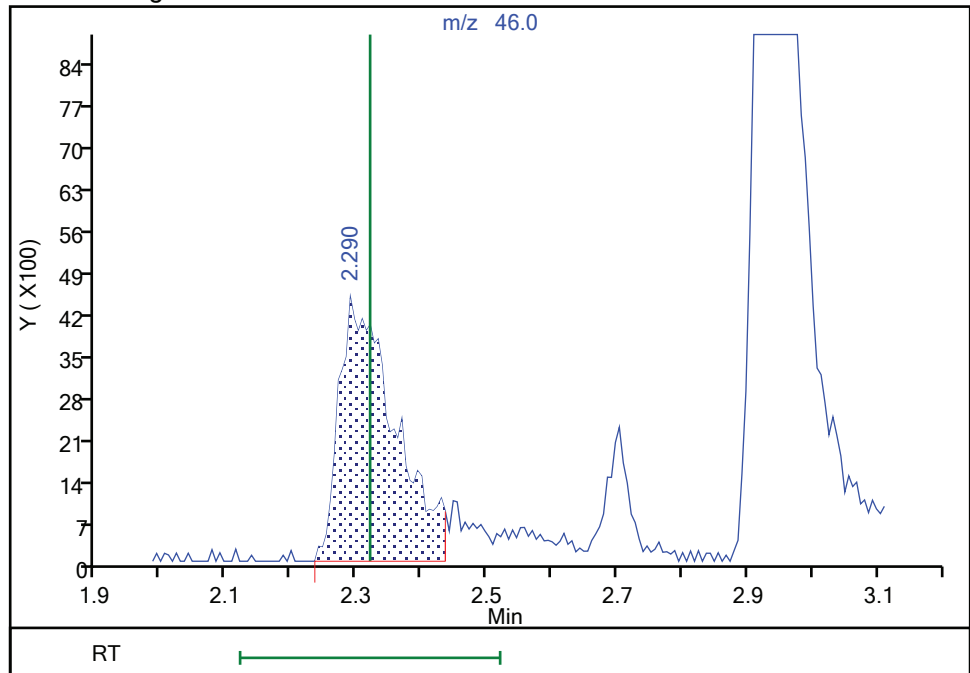
RT: 2.83
Area: 276
Amount: 30.848970
Amount Units: ug/l

Processing Integration Results



RT: 2.29
Area: 26227
Amount: 1809.7687
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:44:19

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19005.D

Injection Date: 13-May-2020 16:30:30

Instrument ID: CVOAMS11

Lims ID: STD50

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

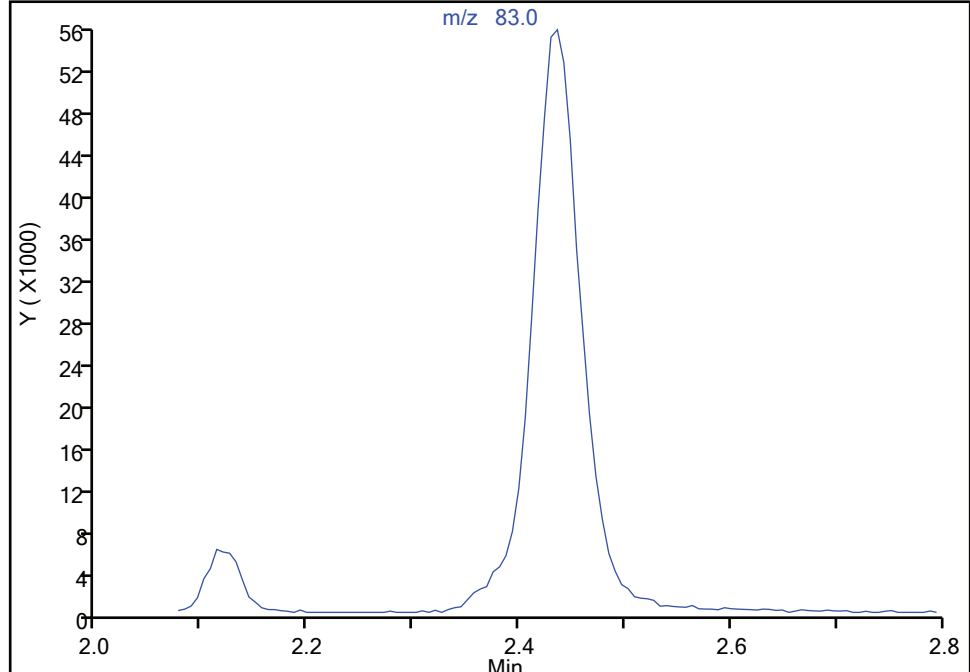
19 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

Not Detected

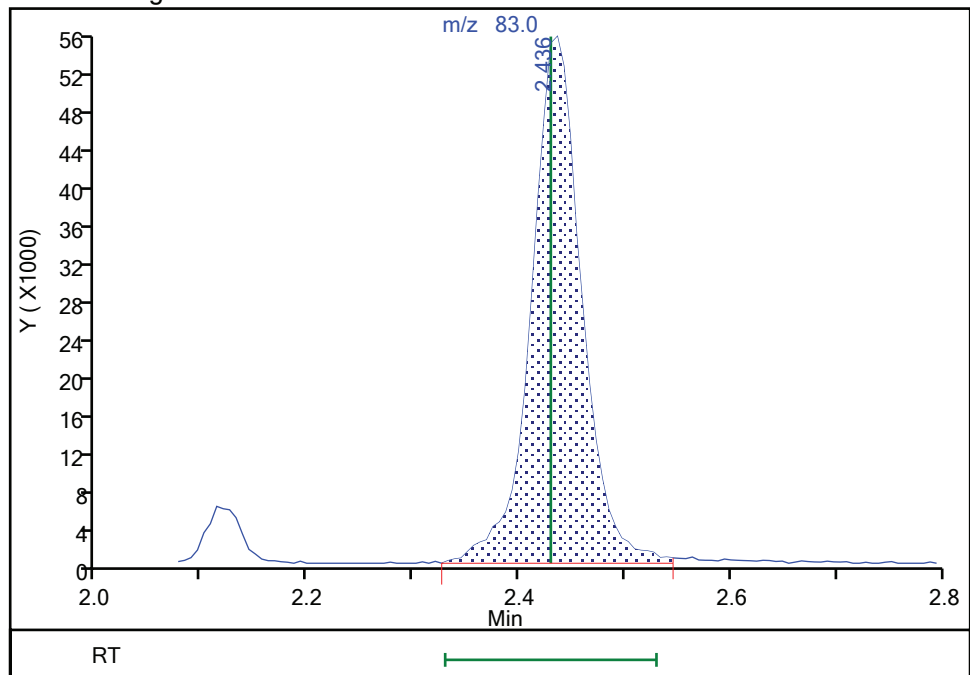
Expected RT: 2.43

Processing Integration Results



RT: 2.44
Area: 182942
Amount: 52.183135
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:44:27

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19006.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 13-May-2020 16:53:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0110045-008
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:44:17 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: starzecm

Date: 13-May-2020 17:31:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 1,1-Difluoroethane	51	1.347	1.341	0.006	93	543757	200.0	205.8	
4 Chlorotrifluoroethene	116	1.353	1.347	0.006	51	185606	200.0	248.0	a
5 Dichlorodifluoromethane	87	1.383	1.371	0.012	99	232378	200.0	203.8	
6 Chlorodifluoromethane	51	1.395	1.395	0.000	98	682532	200.0	200.5	
7 Chloromethane	52	1.535	1.535	0.000	99	359694	200.0	180.5	
9 Butadiene	54	1.620	1.614	0.006	97	820712	200.0	199.1	
8 Vinyl chloride	62	1.620	1.620	0.000	98	975437	200.0	191.3	
10 Bromomethane	94	1.882	1.876	0.006	99	595776	200.0	174.4	
11 Chloroethane	64	1.943	1.943	0.000	100	474498	200.0	183.5	
12 Dichlorofluoromethane	67	2.119	2.113	0.006	99	1093077	200.0	185.9	
13 Trichlorofluoromethane	101	2.125	2.113	0.012	98	775673	200.0	193.4	
14 Pentane	72	2.144	2.138	0.006	96	154192	400.0	366.9	
15 Ethanol	46	2.314	2.320	-0.006	86	121795	8000.0	7551.4	a
16 Ethyl ether	74	2.320	2.320	0.000	92	335009	200.0	192.8	
17 2-Methyl-1,3-butadiene	53	2.344	2.338	0.006	98	447052	200.0	192.3	
18 1,2-Dichloro-1,1,2-trifluoroethane	117	2.381	2.381	0.000	84	402618	200.0	179.5	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.429	2.430	-0.001	90	675384	200.0	182.8	a
20 Acrolein	56	2.484	2.484	0.000	94	83388	200.0	196.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.502	2.496	0.006	96	437346	200.0	188.0	
22 1,1-Dichloroethene	96	2.521	2.521	0.000	97	466581	200.0	189.4	
23 Acetone	58	2.600	2.600	0.000	86	397928	1000.0	1115.3	
24 Iodomethane	142	2.667	2.667	0.000	98	993026	200.0	192.3	
25 Isopropyl alcohol	45	2.685	2.679	0.006	99	339908	2000.0	1936.5	
26 Carbon disulfide	76	2.703	2.697	0.006	100	1841390	200.0	194.1	
27 3-Chloro-1-propene	76	2.819	2.819	0.000	94	320152	200.0	194.5	
28 Methyl acetate	74	2.831	2.831	0.000	100	211550	400.0	381.5	
29 Cyclopentene	67	2.837	2.837	0.000	94	1183106	200.0	188.8	
30 Acetonitrile	41	2.880	2.880	0.000	98	801215	2000.0	1924.6	
* 31 TBA-d9 (IS)	66	2.940	2.934	0.006	68	49515	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.941	0.006	96	621226	200.0	185.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 2-Methyl-2-propanol	59	3.001	2.995	0.006	99	538187	2000.0	1839.2	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	97	1514869	200.0	199.4	
35 trans-1,2-Dichloroethene	96	3.117	3.117	0.000	97	522508	200.0	188.2	
36 Acrylonitrile	53	3.190	3.190	0.000	94	2631100	2000.0	1942.2	
37 Hexane	56	3.263	3.263	0.000	93	255290	200.0	188.7	
38 Isopropyl ether	45	3.476	3.470	0.006	96	1928820	200.0	193.5	
39 1,1-Dichloroethane	63	3.500	3.500	0.000	99	981493	200.0	196.4	
40 Vinyl acetate	86	3.512	3.512	0.000	100	225997	400.0	385.3	
41 2-Chloro-1,3-butadiene	88	3.543	3.543	0.000	93	437093	200.0	188.8	
42 Tert-butyl ethyl ether	59	3.780	3.780	0.000	88	1605526	200.0	197.8	
* 43 2-Butanone-d5	46	3.963	3.963	-0.001	94	420854	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.981	0.006	96	224878	200.0	186.5	
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	96	596190	200.0	193.6	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	98	412090	1000.0	1026.0	
47 Ethyl acetate	70	4.023	4.017	0.006	96	138589	400.0	381.9	
48 Methyl acrylate	55	4.072	4.072	0.000	100	543659	200.0	197.9	
49 Propionitrile	54	4.151	4.145	0.006	98	968500	2000.0	1940.2	
50 Tetrahydrofuran	72	4.218	4.218	0.000	94	172893	400.0	413.3	
51 Chlorobromomethane	128	4.224	4.224	0.000	94	310789	200.0	198.7	
52 Methacrylonitrile	67	4.248	4.249	-0.001	94	2883335	2000.0	2096.8	
53 Chloroform	83	4.273	4.273	0.000	97	942769	200.0	194.3	
54 Cyclohexane	84	4.401	4.401	0.000	94	686274	200.0	198.9	
55 1,1,1-Trichloroethane	97	4.419	4.413	0.006	99	739853	200.0	198.6	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	143563	50.0	50.4	
57 Carbon tetrachloride	117	4.534	4.528	0.006	97	575703	200.0	200.3	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	94	642311	200.0	193.3	
59 Isobutyl alcohol	43	4.680	4.680	0.000	95	680071	5000.0	4442.6	
60 Isooctane	57	4.735	4.723	0.012	98	941635	200.0	203.1	
61 Benzene	78	4.753	4.753	0.000	97	2175816	200.0	190.6	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	88	181063	50.0	52.5	
64 Isopropyl acetate	43	4.814	4.814	0.000	95	1886249	200.0	208.9	
63 Tert-amyl methyl ether	73	4.820	4.814	0.006	95	1589675	200.0	199.7	
65 1,2-Dichloroethane	62	4.845	4.839	0.006	95	738534	200.0	192.7	
66 n-Heptane	57	4.905	4.899	0.006	96	224897	200.0	207.0	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	624709	50.0	50.0	
68 n-Butanol	56	5.331	5.331	0.000	92	360346	5000.0	5470.1	
69 Trichloroethene	95	5.380	5.380	0.000	97	506231	200.0	192.8	
71 Methylcyclohexane	83	5.502	5.502	0.000	70	670417	200.0	207.9	
70 Ethyl acrylate	99	5.502	5.508	-0.006	96	78682	200.0	211.2	a
72 1,2-Dichloropropane	63	5.666	5.660	0.006	90	561049	200.0	195.3	
* 73 1,4-Dioxane-d8	96	5.721	5.721	0.000	77	37450	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	91	296113	400.0	418.7	
75 1,4-Dioxane	88	5.769	5.776	-0.007	87	128084	4000.0	3571.3	
76 Dibromomethane	93	5.788	5.788	0.000	96	362188	200.0	198.5	
77 n-Propyl acetate	43	5.800	5.800	0.000	100	925558	200.0	211.4	
78 Dichlorobromomethane	83	5.940	5.940	0.000	99	674103	200.0	205.9	
79 2-Nitropropane	41	6.274	6.274	0.000	80	277080	400.0	396.8	
80 2-Chloroethyl vinyl ether	63	6.280	6.274	0.006	75	381189	200.5	210.8	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	1297607	4000.0	4239.7	
82 cis-1,3-Dichloropropene	75	6.432	6.433	-0.001	96	871735	200.0	207.9	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.597	0.006	98	3528936	1000.0	1077.3	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	539839	50.0	49.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Toluene	91	6.749	6.749	0.000	93	2217671	200.0	191.8	
86 trans-1,3-Dichloropropene	75	7.102	7.102	0.000	98	790025	200.0	214.9	
87 Ethyl methacrylate	69	7.132	7.132	0.000	91	739737	200.0	227.4	
88 1,1,2-Trichloroethane	83	7.308	7.309	-0.001	96	428708	200.0	191.9	
89 Tetrachloroethene	166	7.351	7.345	0.006	97	500960	200.0	191.4	
90 1,3-Dichloropropane	76	7.515	7.515	0.000	95	823926	200.0	198.4	
91 2-Hexanone	58	7.588	7.588	0.000	98	1195944	1000.0	1096.3	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	955137	200.0	212.4	
93 Chlorodibromomethane	129	7.747	7.741	0.006	98	489730	200.0	213.2	
94 Ethylene Dibromide	107	7.893	7.893	-0.001	98	511512	200.0	208.3	
* 95 Chlorobenzene-d5	117	8.434	8.440	-0.006	85	458723	50.0	50.0	
96 Chlorobenzene	112	8.477	8.471	0.006	93	1399074	200.0	194.2	
97 Ethylbenzene	106	8.580	8.580	0.000	99	741777	200.0	194.4	
98 1,1,1,2-Tetrachloroethane	131	8.598	8.592	0.006	93	520789	200.0	208.6	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	100	887169	200.0	192.8	
101 n-Butyl acrylate	73	9.249	9.255	-0.006	95	436550	200.0	221.9	
100 o-Xylene	106	9.255	9.255	0.000	92	965943	200.0	201.4	
102 Styrene	104	9.292	9.286	0.006	94	1604929	200.0	212.9	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	89	1103992	200.0	222.4	
104 Bromoform	173	9.529	9.529	0.000	95	344814	200.0	229.0	
105 Isopropylbenzene	105	9.681	9.681	0.000	96	2340249	200.0	208.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	173684	50.0	50.5	
107 Bromobenzene	156	10.046	10.046	0.000	95	645645	200.0	200.4	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	735152	200.0	203.4	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	2690898	200.0	206.1	
110 1,2,3-Trichloropropane	110	10.156	10.156	0.000	96	201195	200.0	193.1	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	89	203131	200.0	209.2	
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	1946971	200.0	201.8	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	2150109	200.0	199.1	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	1993734	200.0	210.8	
115 4-Chlorotoluene	91	10.362	10.363	-0.001	98	1769637	200.0	202.7	
116 Butyl Methacrylate	87	10.448	10.448	0.000	95	753513	200.0	214.2	
117 tert-Butylbenzene	119	10.636	10.636	0.000	93	1534146	200.0	216.5	
118 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	98	2150119	200.0	211.1	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	2199374	200.0	219.3	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	1211194	200.0	207.1	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	1948692	200.0	219.7	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	95	253429	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.074	11.068	0.006	95	1213762	200.0	198.8	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	99	2322280	200.0	211.2	
125 Benzyl chloride	126	11.214	11.214	0.000	99	257924	200.0	234.5	
126 2,3-Dihydroindene	117	11.275	11.269	0.006	94	2297560	200.0	208.9	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	941829	200.0	203.6	
128 n-Butylbenzene	92	11.360	11.360	0.000	97	920402	200.0	215.6	
129 1,2-Dichlorobenzene	146	11.409	11.409	0.000	96	1281942	200.0	202.8	
130 1,2,4,5-Tetramethylbenzene	119	12.005	12.005	0.000	97	2043866	200.0	218.7	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.090	-0.006	93	174897	200.0	224.4	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	97	866463	200.0	200.3	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	94	911294	200.0	206.4	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	96	244162	200.0	211.1	
135 Naphthalene	128	12.893	12.887	0.006	99	2805525	200.0	221.5	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	95	874334	200.0	208.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 1,2-Dichloroethene, Total	100				0		400.0	381.7	
S 138 Xylenes, Total	100				0		400.0	394.2	
S 139 Total BTEX	1				0		1000.0	970.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00360	Amount Added: 20.00	Units: uL	
8FreonHi_00018	Amount Added: 20.00	Units: uL	
MIX 1 Hi_00125	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00098	Amount Added: 20.00	Units: uL	
Ethanol mix_00040	Amount Added: 20.00	Units: uL	
ACROLEIN W_00106	Amount Added: 20.00	Units: uL	
8260SURR250_00207	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19006.D

Injection Date: 13-May-2020 16:53:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: STD200

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

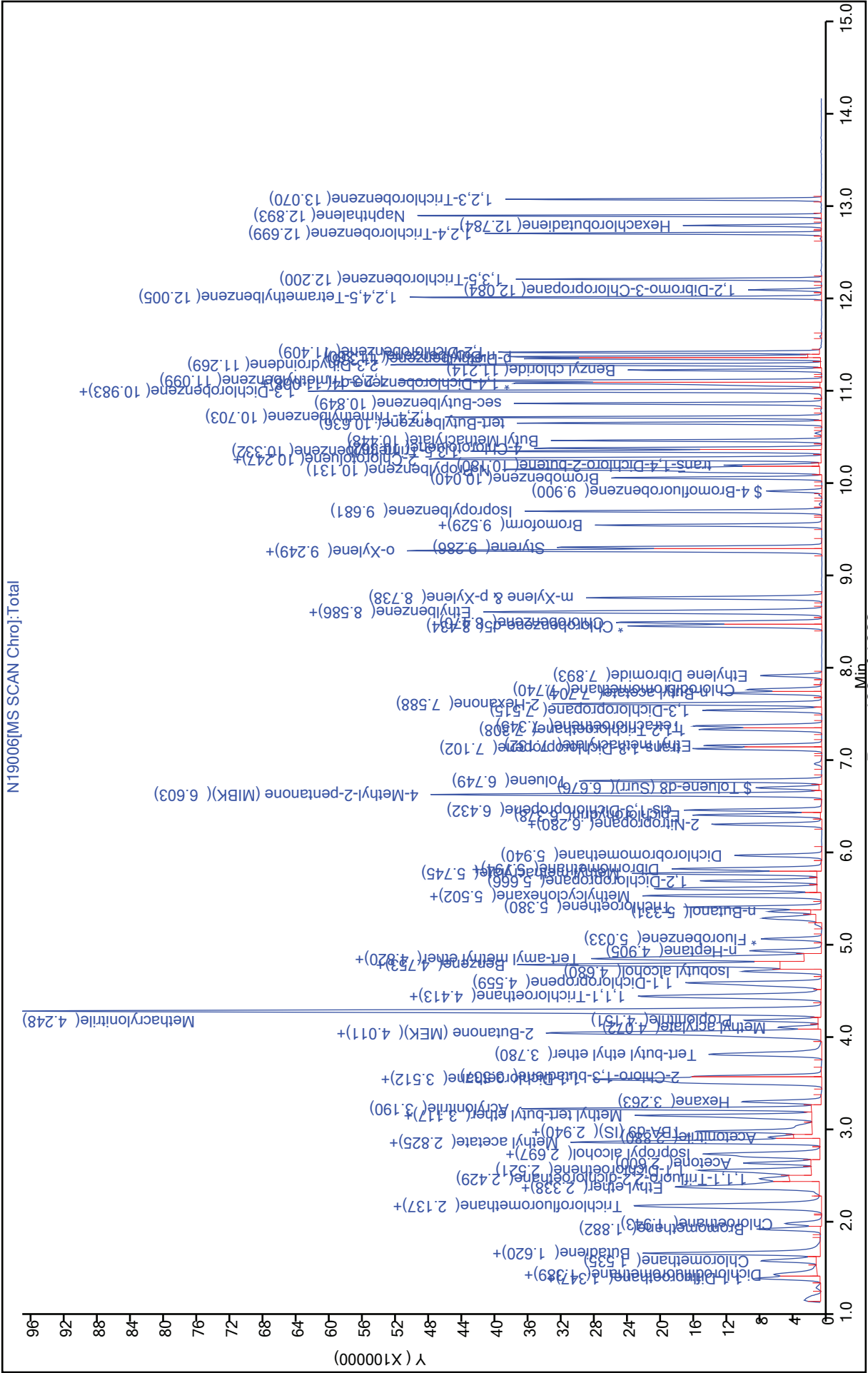
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19006.D

Injection Date: 13-May-2020 16:53:30

Instrument ID: CVOAMS11

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

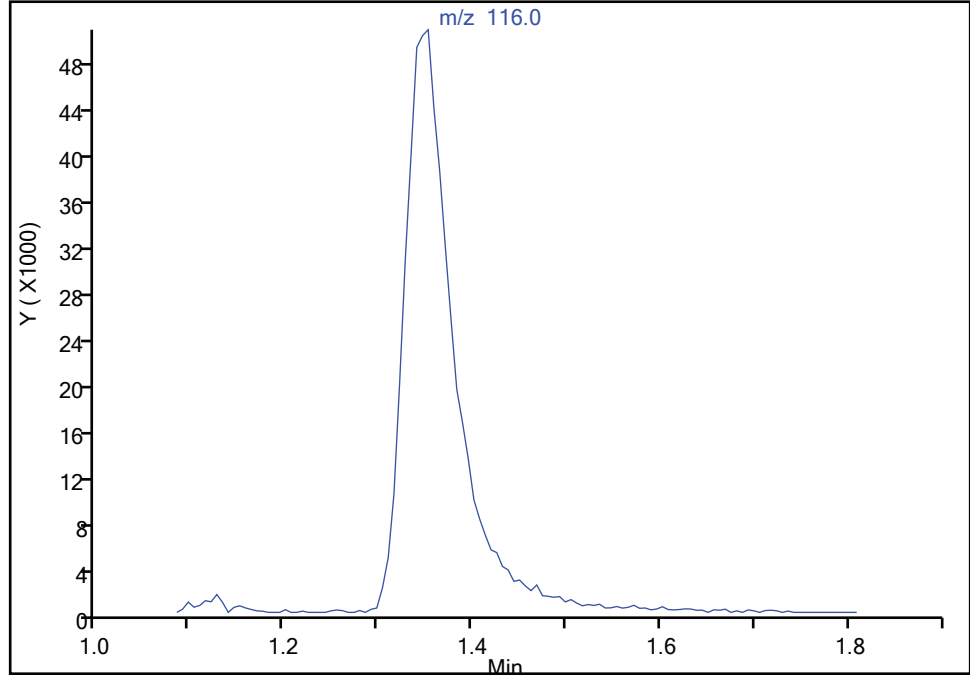
4 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

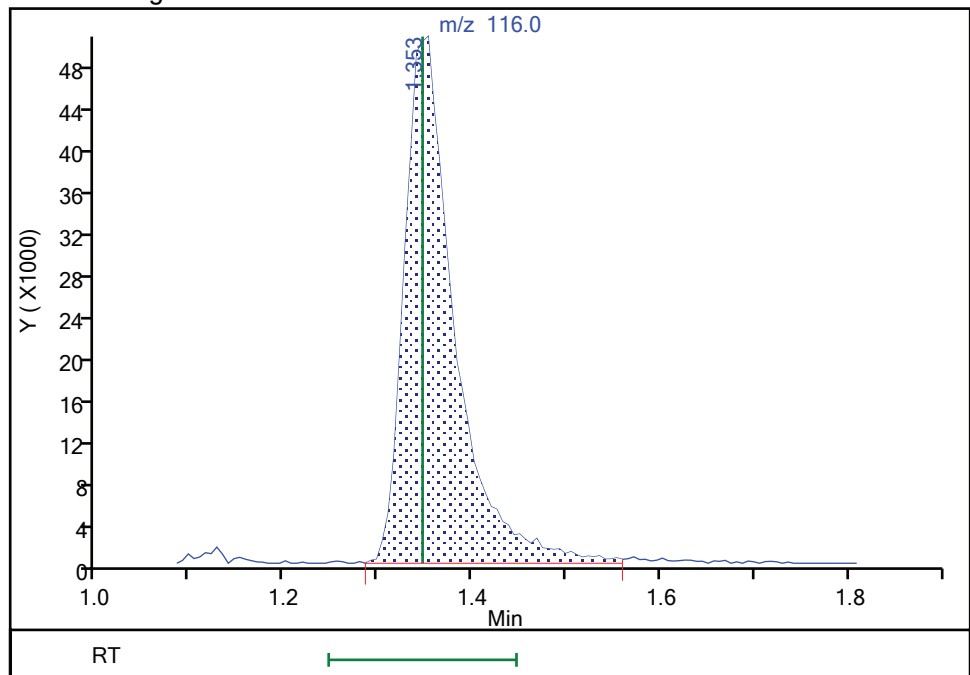
Not Detected

Expected RT: 1.35

Processing Integration Results



Manual Integration Results



RT: 1.35

Area: 185606

Amount: 247.9689

Amount Units: ug/l

Reviewer: baronm, 13-May-2020 19:45:39

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19006.D

Injection Date: 13-May-2020 16:53:30

Instrument ID: CVOAMS11

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

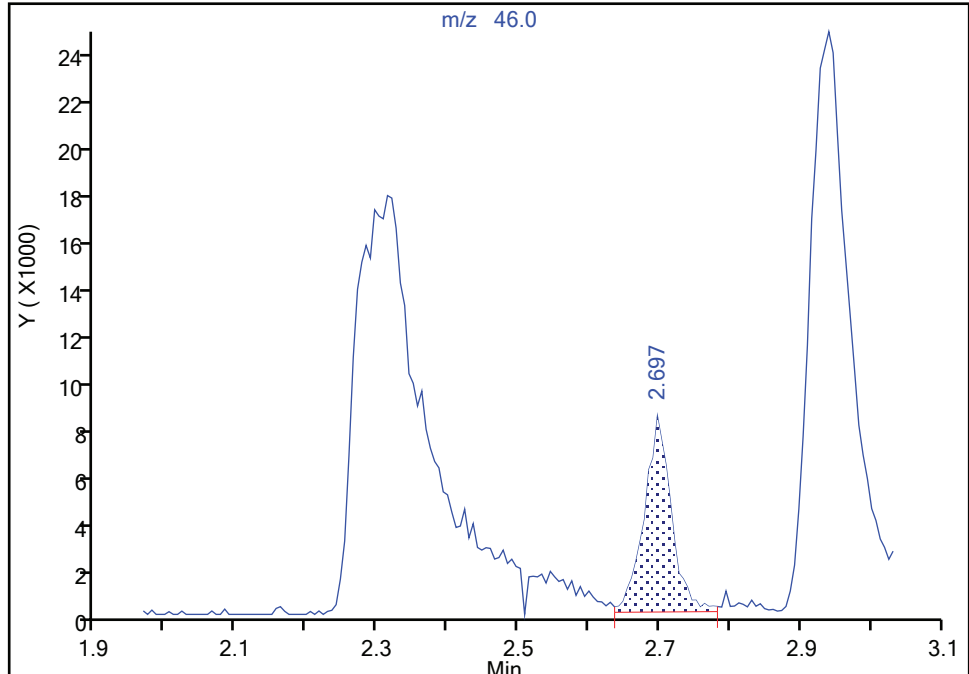
Detector: MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

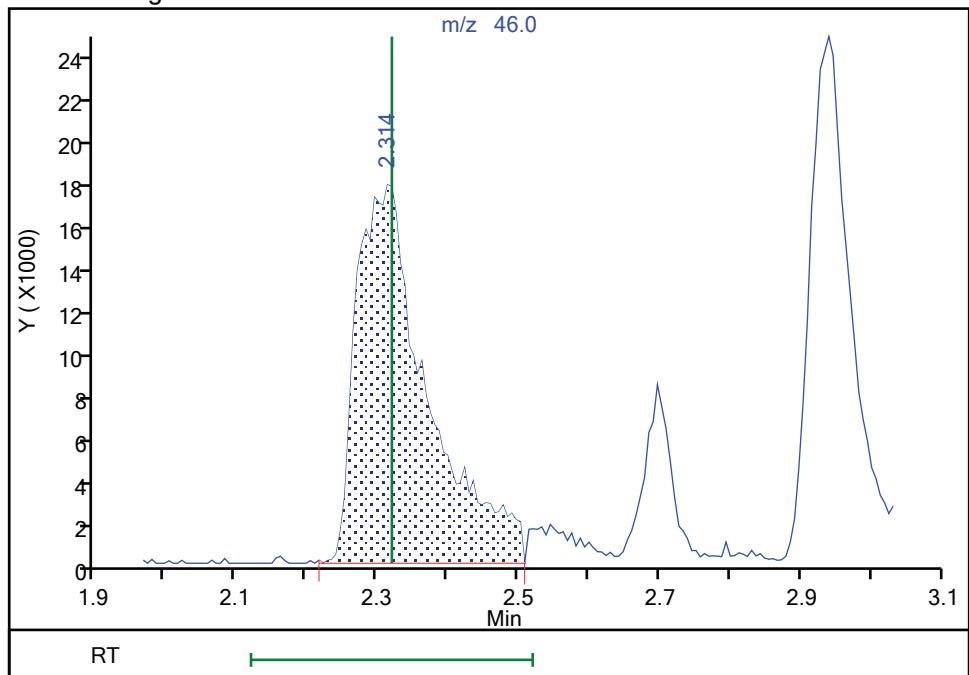
RT: 2.70
Area: 21839
Amount: 1766.3138
Amount Units: ug/l

Processing Integration Results



RT: 2.31
Area: 121795
Amount: 7551.4358
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:45:48

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19006.D

Injection Date: 13-May-2020 16:53:30

Instrument ID: CVOAMS11

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

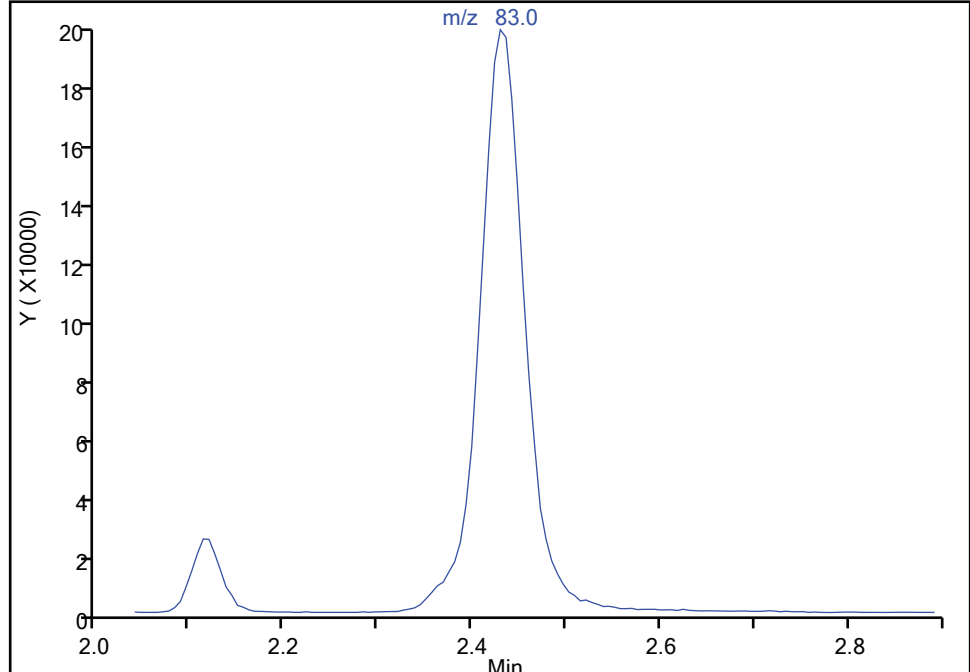
19 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

Not Detected

Expected RT: 2.43

Processing Integration Results



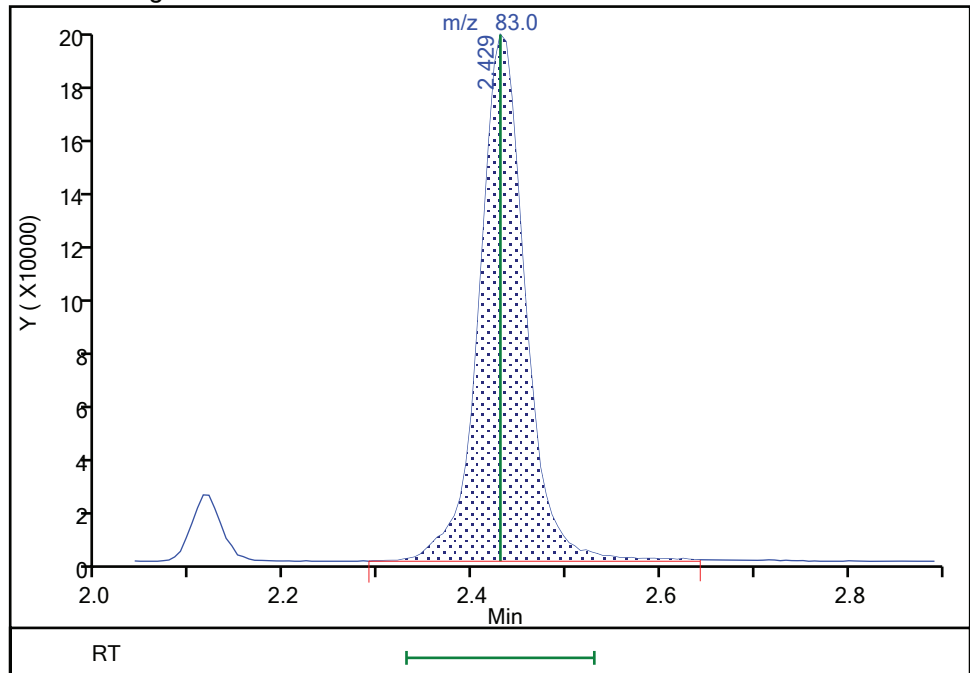
RT: 2.43

Area: 675384

Amount: 182.8304

Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:45:56

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19006.D

Injection Date: 13-May-2020 16:53:30

Instrument ID: CVOAMS11

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

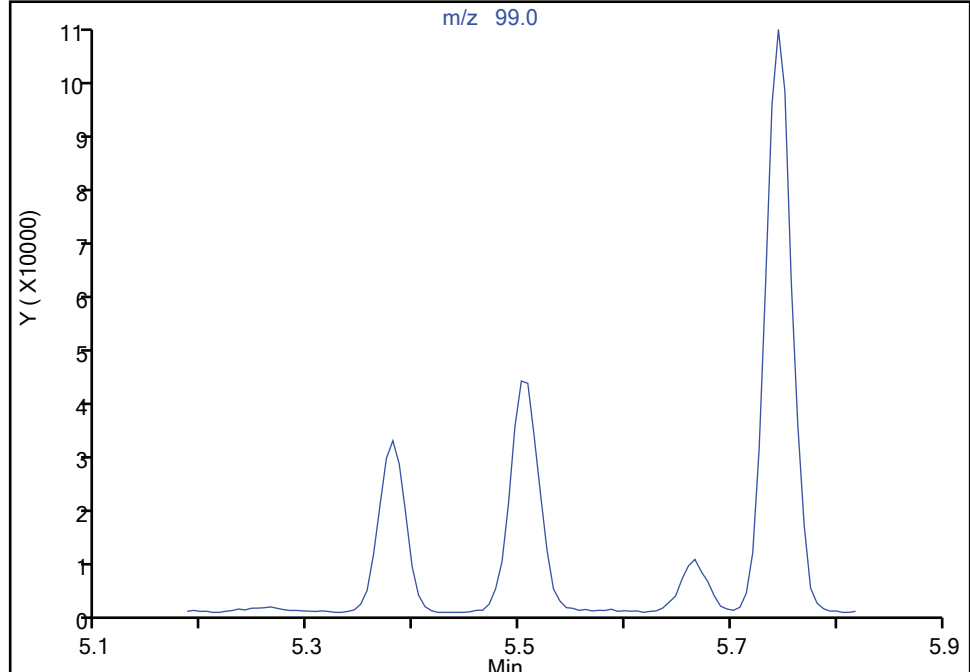
70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

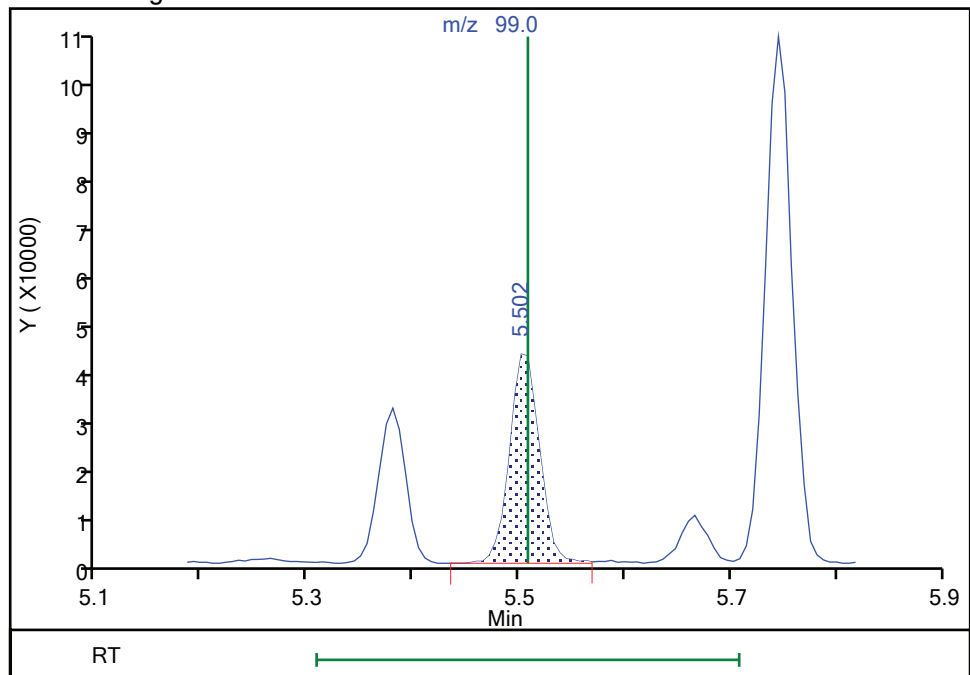
Not Detected

Expected RT: 5.51

Processing Integration Results



Manual Integration Results



RT: 5.50

Area: 78682

Amount: 211.2425

Amount Units: ug/l

Reviewer: starzecm, 13-May-2020 17:19:58

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 13-May-2020 17:15:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0110045-009
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub8
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:44:33 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: starzecm

Date: 13-May-2020 17:36:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 1,1-Difluoroethane	51	1.347	1.341	0.006	95	1591598	500.0	569.5	
4 Chlorotrifluoroethene	116	1.347	1.347	0.000	84	548941	500.0	693.4	a
5 Dichlorodifluoromethane	87	1.377	1.371	0.006	99	627659	500.0	520.4	
6 Chlorodifluoromethane	51	1.395	1.395	0.000	97	1836016	500.0	510.0	
7 Chloromethane	52	1.535	1.535	0.000	99	965298	500.0	448.8	
9 Butadiene	54	1.620	1.614	0.006	96	2279520	500.0	522.8	
8 Vinyl chloride	62	1.620	1.620	0.000	98	2661655	500.0	493.4	
10 Bromomethane	94	1.882	1.876	0.006	99	1188759	500.0	329.0	
11 Chloroethane	64	1.943	1.943	0.000	100	1428322	500.0	522.4	
12 Dichlorofluoromethane	67	2.113	2.113	0.000	99	3239627	500.0	521.0	
13 Trichlorofluoromethane	101	2.119	2.113	0.006	98	2351561	500.0	554.3	
14 Pentane	72	2.144	2.138	0.006	97	443555	1000.0	937.0	
15 Ethanol	46	2.320	2.320	0.000	89	332983	20000	18329	a
16 Ethyl ether	74	2.320	2.320	0.000	96	883549	500.0	480.8	
17 2-Methyl-1,3-butadiene	53	2.344	2.338	0.006	98	1334424	500.0	542.8	
18 1,2-Dichloro-1,1,2-trifluoroethane	117	2.381	2.381	0.000	85	1226942	500.0	517.0	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.430	2.430	0.000	92	2004724	500.0	513.1	a
20 Acrolein	56	2.484	2.484	0.000	95	174192	400.0	364.4	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.496	2.496	0.000	95	1236823	500.0	502.6	
22 1,1-Dichloroethene	96	2.527	2.521	0.006	97	1313763	500.0	504.3	
23 Acetone	58	2.600	2.600	0.000	86	981545	2500.0	2548.5	
24 Iodomethane	142	2.667	2.667	0.000	98	2746994	500.0	502.9	
25 Isopropyl alcohol	45	2.679	2.679	0.000	100	998468	5000.0	5050.2	a
26 Carbon disulfide	76	2.703	2.697	0.006	100	5289684	500.0	527.1	
27 3-Chloro-1-propene	76	2.819	2.819	0.000	94	915406	500.0	525.7	
28 Methyl acetate	74	2.825	2.831	-0.006	99	561561	1000.0	899.2	
29 Cyclopentene	67	2.837	2.837	0.000	94	3502271	500.0	528.3	
30 Acetonitrile	41	2.880	2.880	0.000	99	1985257	5000.0	5098.4	
* 31 TBA-d9 (IS)	66	2.934	2.934	0.000	47	55771	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.941	0.006	96	1677768	500.0	472.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 2-Methyl-2-propanol	59	3.007	2.995	0.012	99	1486528	5000.0	4510.3	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	97	3983899	500.0	495.7	
35 trans-1,2-Dichloroethene	96	3.117	3.117	0.000	97	1463517	500.0	498.3	
36 Acrylonitrile	53	3.190	3.190	0.000	94	7171932	5000.0	4700.2	
37 Hexane	56	3.263	3.263	0.000	93	629466	500.0	439.8	
38 Isopropyl ether	45	3.476	3.470	0.006	96	5257961	500.0	498.7	
39 1,1-Dichloroethane	63	3.500	3.500	0.000	99	2836035	500.0	536.5	
40 Vinyl acetate	86	3.512	3.512	0.000	100	665638	1000.0	1051.4	
41 2-Chloro-1,3-butadiene	88	3.543	3.543	0.000	92	1290356	500.0	527.0	
42 Tert-butyl ethyl ether	59	3.780	3.780	0.000	88	4219148	500.0	491.6	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	88	454316	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.981	0.006	94	665861	500.0	522.2	
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	95	1701723	500.0	522.4	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	97	1090960	2500.0	2516.1	
47 Ethyl acetate	70	4.023	4.017	0.006	96	383142	1000.0	978.0	
48 Methyl acrylate	55	4.072	4.072	0.000	99	1459733	500.0	502.5	
49 Propionitrile	54	4.151	4.145	0.006	98	2584654	5000.0	4597.1	
50 Tetrahydrofuran	72	4.218	4.218	0.000	84	456567	1000.0	1012.3	
51 Chlorobromomethane	128	4.224	4.224	0.000	90	858533	500.0	519.1	
52 Methacrylonitrile	67	4.255	4.249	0.006	94	8100468	5000.0	5569.3	
53 Chloroform	83	4.273	4.273	0.000	98	2703520	500.0	526.8	
54 Cyclohexane	84	4.407	4.401	0.006	94	1926441	500.0	527.8	
55 1,1,1-Trichloroethane	97	4.419	4.413	0.006	99	2157355	500.0	547.5	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	155395	50.0	51.6	
57 Carbon tetrachloride	117	4.534	4.528	0.006	97	1684100	500.0	554.1	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	95	1822837	500.0	518.7	
59 Isobutyl alcohol	43	4.687	4.680	0.007	95	2061876	12500	11958	
60 Isooctane	57	4.735	4.723	0.012	97	2600025	500.0	530.3	
61 Benzene	78	4.753	4.753	0.000	97	6236248	500.0	497.4	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	63	203078	50.0	55.6	
64 Isopropyl acetate	43	4.814	4.814	0.000	95	5153841	500.0	539.6	
63 Tert-amyl methyl ether	73	4.820	4.814	0.006	91	4265990	500.0	506.7	
65 1,2-Dichloroethane	62	4.845	4.839	0.006	97	2058339	500.0	507.7	
66 n-Heptane	57	4.906	4.899	0.007	96	526408	500.0	458.0	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	660754	50.0	50.0	
68 n-Butanol	56	5.331	5.331	0.000	91	1063091	12500	14328	
69 Trichloroethene	95	5.380	5.380	0.000	98	1438785	500.0	518.2	
71 Methylcyclohexane	83	5.508	5.502	0.006	69	1811770	500.0	531.1	
70 Ethyl acrylate	99	5.508	5.508	0.000	96	215526	500.0	488.6	a
72 1,2-Dichloropropane	63	5.666	5.660	0.006	90	1550958	500.0	510.6	
* 73 1,4-Dioxane-d8	96	5.721	5.721	0.000	62	32636	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	91	817951	1000.0	1093.4	
75 1,4-Dioxane	88	5.776	5.776	0.000	88	356700	10000	11413	
76 Dibromomethane	93	5.794	5.788	0.006	96	1006532	500.0	521.5	
77 n-Propyl acetate	43	5.800	5.800	0.000	100	2546273	500.0	549.9	
78 Dichlorobromomethane	83	5.940	5.940	0.000	99	1906294	500.0	550.4	
79 2-Nitropropane	41	6.274	6.274	0.000	85	836247	1000.0	1063.3	
80 2-Chloroethyl vinyl ether	63	6.280	6.274	0.006	91	1060397	501.2	554.5	
81 Epichlorohydrin	57	6.384	6.378	0.006	100	3616339	10000	10945	
82 cis-1,3-Dichloropropene	75	6.439	6.433	0.006	95	2475760	500.0	537.5	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.597	0.006	98	9675300	2500.0	2736.1	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	581687	50.0	48.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Toluene	91	6.755	6.749	0.006	93	6440373	500.0	507.1	
86 trans-1,3-Dichloropropene	75	7.102	7.102	0.000	98	2275329	500.0	563.5	
87 Ethyl methacrylate	69	7.138	7.132	0.006	91	2075170	500.0	603.1	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	96	1184189	500.0	482.8	
89 Tetrachloroethene	166	7.351	7.345	0.006	96	1414939	500.0	492.3	
90 1,3-Dichloropropane	76	7.521	7.515	0.006	95	2257700	500.0	495.1	
91 2-Hexanone	58	7.588	7.588	0.000	98	3245727	2500.0	2756.1	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	2620496	500.0	530.6	
93 Chlorodibromomethane	129	7.747	7.741	0.007	98	1434141	500.0	568.5	
94 Ethylene Dibromide	107	7.893	7.893	0.000	98	1392479	500.0	516.2	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	503784	50.0	50.0	
96 Chlorobenzene	112	8.477	8.471	0.006	94	3972876	500.0	502.2	
97 Ethylbenzene	106	8.586	8.580	0.006	99	2182997	500.0	520.9	
98 1,1,1,2-Tetrachloroethane	131	8.598	8.592	0.006	95	1532894	500.0	559.1	
99 m-Xylene & p-Xylene	106	8.744	8.738	0.006	99	2568833	500.0	508.2	
101 n-Butyl acrylate	73	9.249	9.255	-0.006	95	1304863	500.0	603.9	
100 o-Xylene	106	9.255	9.255	0.000	92	2840751	500.0	539.4	
102 Styrene	104	9.292	9.286	0.006	94	4705677	500.0	568.4	
104 Bromoform	173	9.529	9.529	0.000	95	1060075	500.0	626.2	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	88	3159189	500.0	565.9	
105 Isopropylbenzene	105	9.681	9.681	0.000	96	6771827	500.0	548.1	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	189848	50.0	50.3	
107 Bromobenzene	156	10.046	10.046	0.000	97	1838491	500.0	507.4	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	2066881	500.0	508.6	
109 N-Propylbenzene	91	10.137	10.131	0.006	99	7801722	500.0	531.3	
110 1,2,3-Trichloropropane	110	10.156	10.156	0.000	98	555007	500.0	473.7	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	91	571305	500.0	523.3	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	5860279	500.0	540.2	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	6435637	500.0	529.9	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	5917742	500.0	556.5	
115 4-Chlorotoluene	91	10.369	10.363	0.006	98	5160522	500.0	525.7	
116 Butyl Methacrylate	87	10.448	10.448	0.000	94	2227102	500.0	487.3	
117 tert-Butylbenzene	119	10.636	10.636	0.000	93	4467240	500.0	560.7	
118 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	98	6338777	500.0	553.4	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	6299325	500.0	558.5	
120 1,3-Dichlorobenzene	146	10.983	10.977	0.006	95	3564307	500.0	542.0	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	5703278	500.0	571.8	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	95	284960	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.074	11.068	0.006	95	3585214	500.0	522.2	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	99	6980648	500.0	564.5	
125 Benzyl chloride	126	11.214	11.214	0.000	98	787655	500.0	636.8	
126 2,3-Dihydroindene	117	11.275	11.269	0.006	94	6706526	500.0	542.2	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	2778448	500.0	534.1	
128 n-Butylbenzene	92	11.360	11.360	0.000	97	2584729	500.0	538.5	
129 1,2-Dichlorobenzene	146	11.409	11.409	0.000	95	3756455	500.0	528.5	
130 1,2,4,5-Tetramethylbenzene	119	12.005	12.005	0.000	97	6039209	500.0	574.6	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.090	-0.006	95	504367	500.0	575.5	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	97	2495311	500.0	513.1	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	94	2559545	500.0	515.5	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	96	665771	500.0	511.9	
135 Naphthalene	128	12.893	12.887	0.006	99	7652282	500.0	537.3	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	95	2373385	500.0	504.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 1,2-Dichloroethene, Total	100				0		1000.0	1020.6	
S 138 Xylenes, Total	100				0		1000.0	1047.6	
S 139 Total BTEX	1				0		2500.0	2573.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00360	Amount Added: 50.00	Units: uL	
8FreonHi_00018	Amount Added: 50.00	Units: uL	
MIX 1 Hi_00125	Amount Added: 50.00	Units: uL	
MIX 2 Hi_00098	Amount Added: 50.00	Units: uL	
Ethanol mix_00040	Amount Added: 50.00	Units: uL	
ACROLEIN W_00106	Amount Added: 40.00	Units: uL	
8260SURR250_00207	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D

Injection Date: 13-May-2020 17:15:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: STD500

Worklist Smp#: 9

Client ID:

Dil. Factor: 1.0000

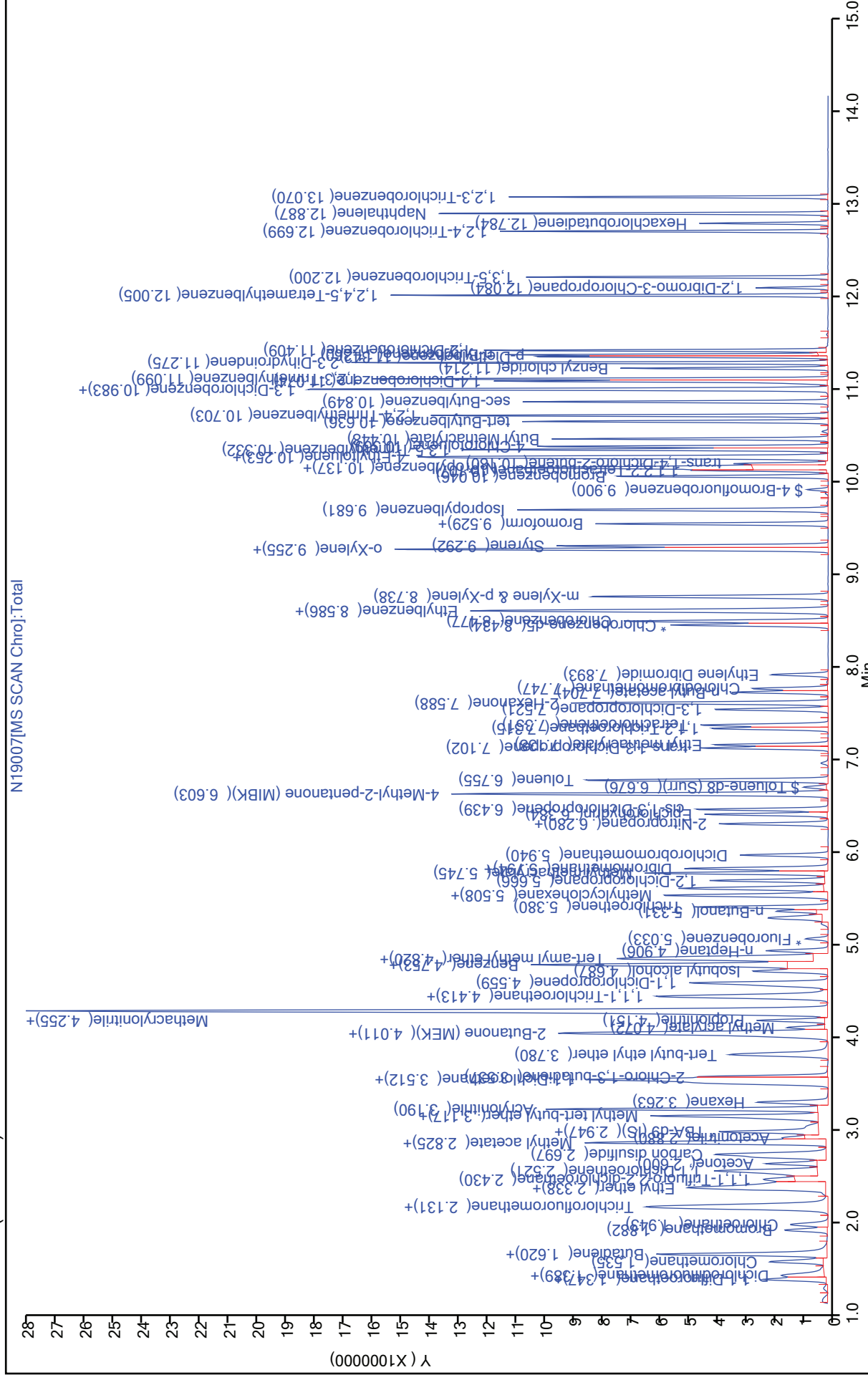
ALS Bottle#: 8

Dil. Factor: 1.0000
Limit Group: VOA - 8260C Water and Solid

Method: 8260W 11

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D

Injection Date: 13-May-2020 17:15:30

Instrument ID: CVOAMS11

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

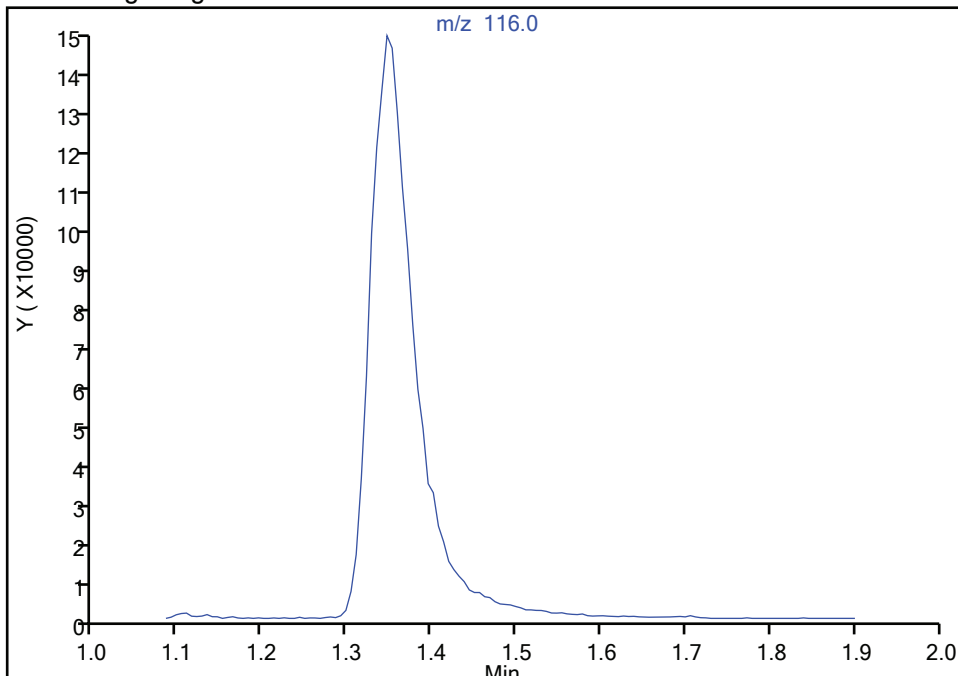
4 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

Not Detected

Expected RT: 1.35

Processing Integration Results



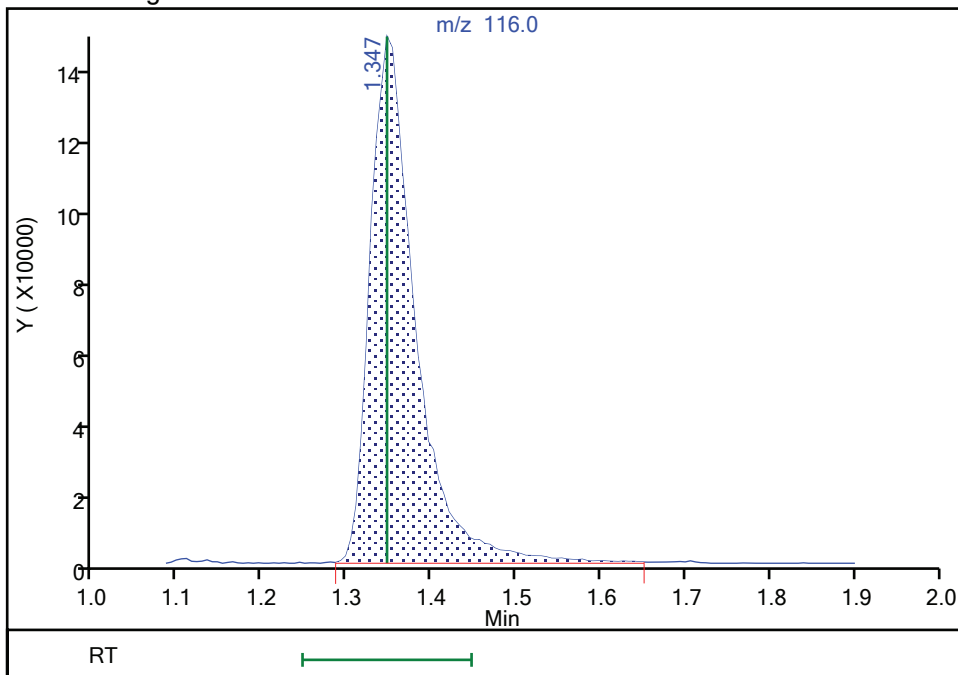
RT: 1.35

Area: 548941

Amount: 693.3762

Amount Units: ug/l

Manual Integration Results



Reviewer: starzecm, 13-May-2020 17:35:37

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D

Injection Date: 13-May-2020 17:15:30

Instrument ID: CVOAMS11

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

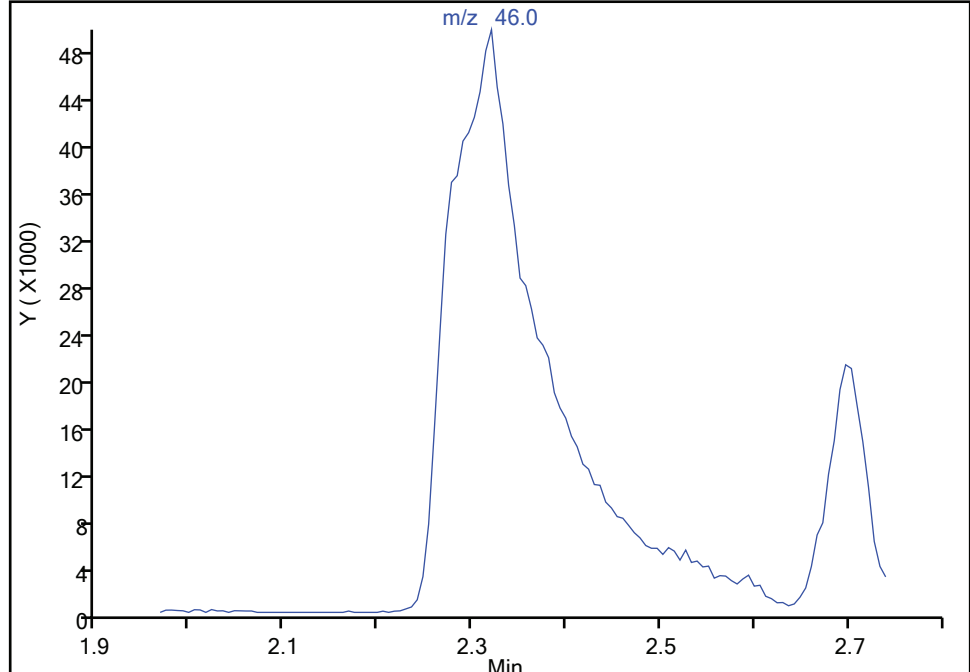
15 Ethanol, CAS: 64-17-5

Signal: 1

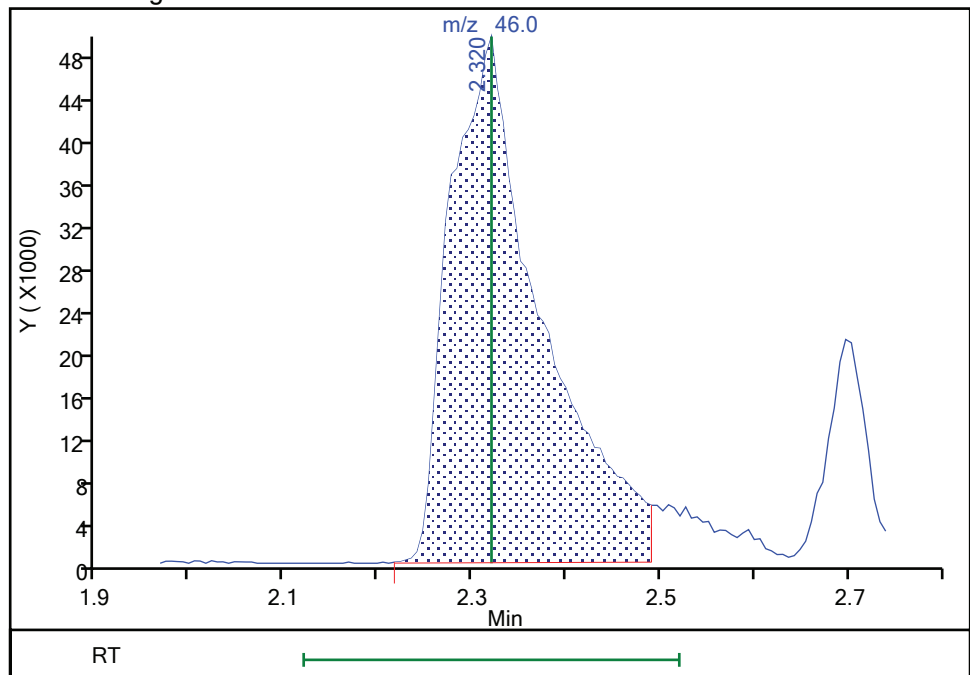
Not Detected

Expected RT: 2.32

Processing Integration Results



Manual Integration Results



RT: 2.32
Area: 332983
Amount: 18329
Amount Units: ug/l

Reviewer: starzecm, 13-May-2020 17:35:13

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D

Injection Date: 13-May-2020 17:15:30

Instrument ID: CVOAMS11

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

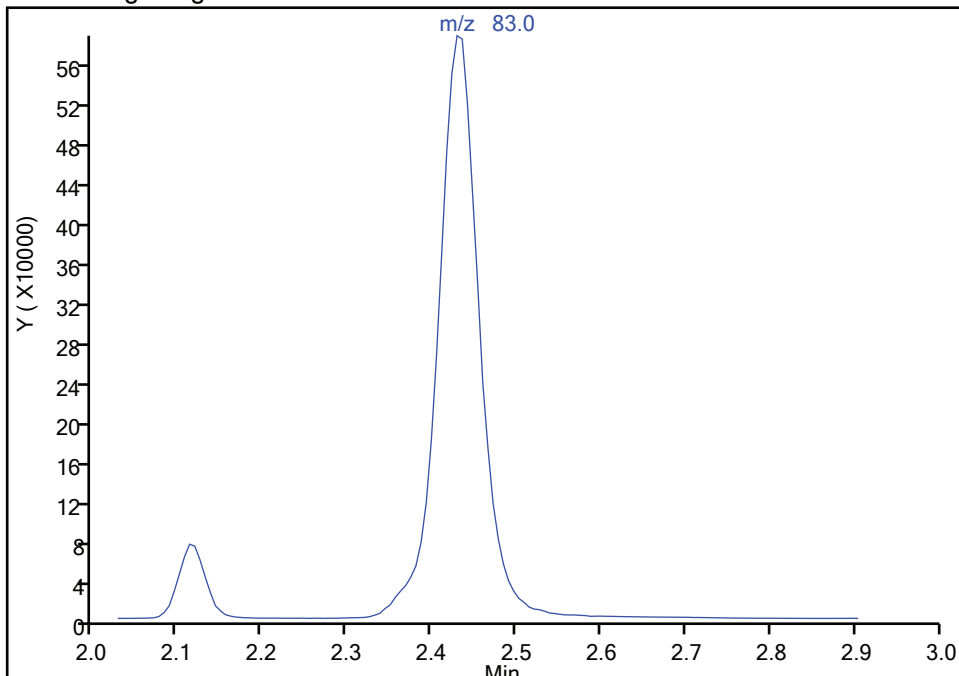
19 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

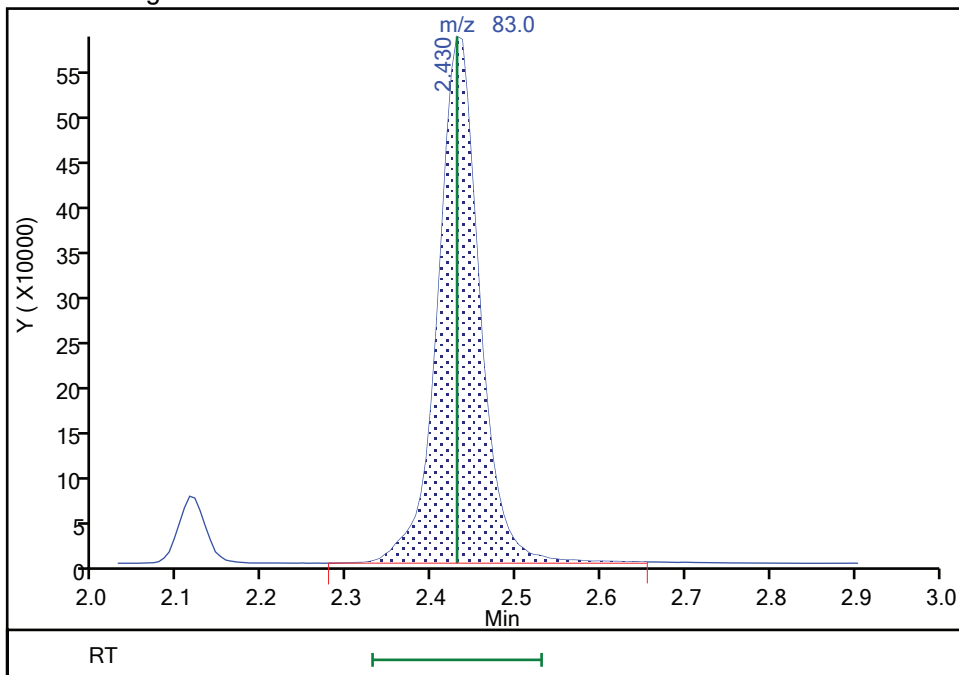
Not Detected

Expected RT: 2.43

Processing Integration Results



Manual Integration Results



Reviewer: starzecm, 13-May-2020 17:35:24

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D

Injection Date: 13-May-2020 17:15:30

Instrument ID: CVOAMS11

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

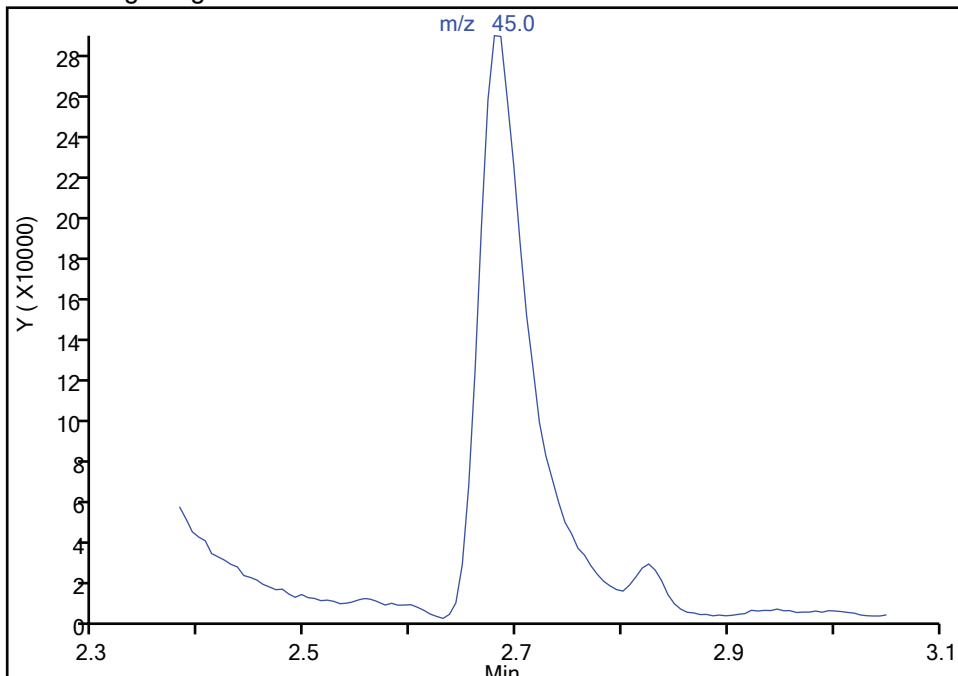
25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

Not Detected

Expected RT: 2.68

Processing Integration Results



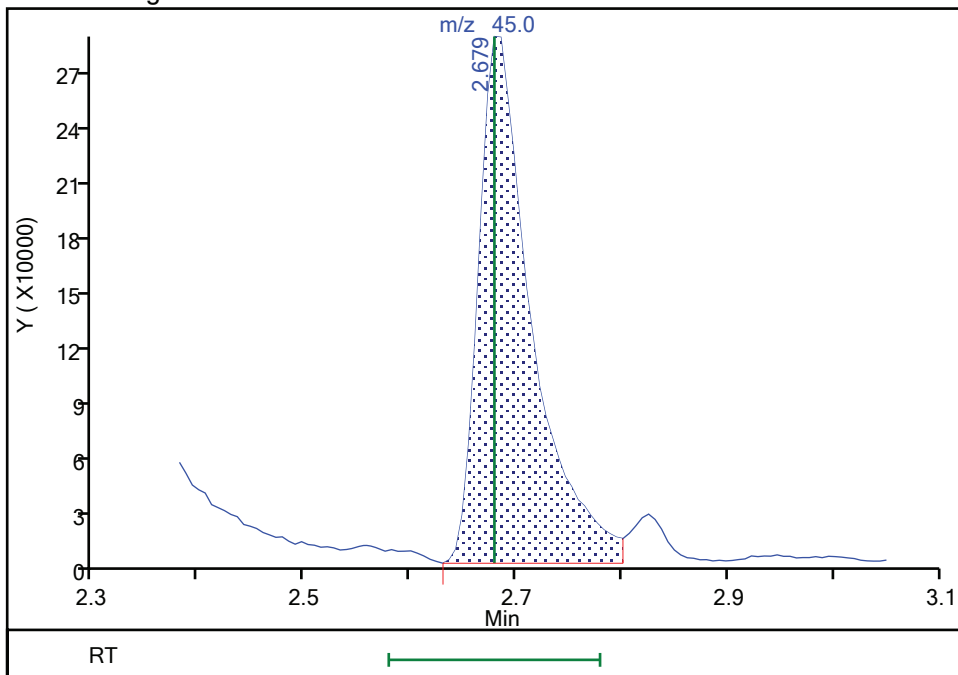
RT: 2.68

Area: 998468

Amount: 5050.2416

Amount Units: ug/l

Manual Integration Results



Reviewer: starzecm, 13-May-2020 17:35:18

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D

Injection Date: 13-May-2020 17:15:30

Instrument ID: CVOAMS11

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

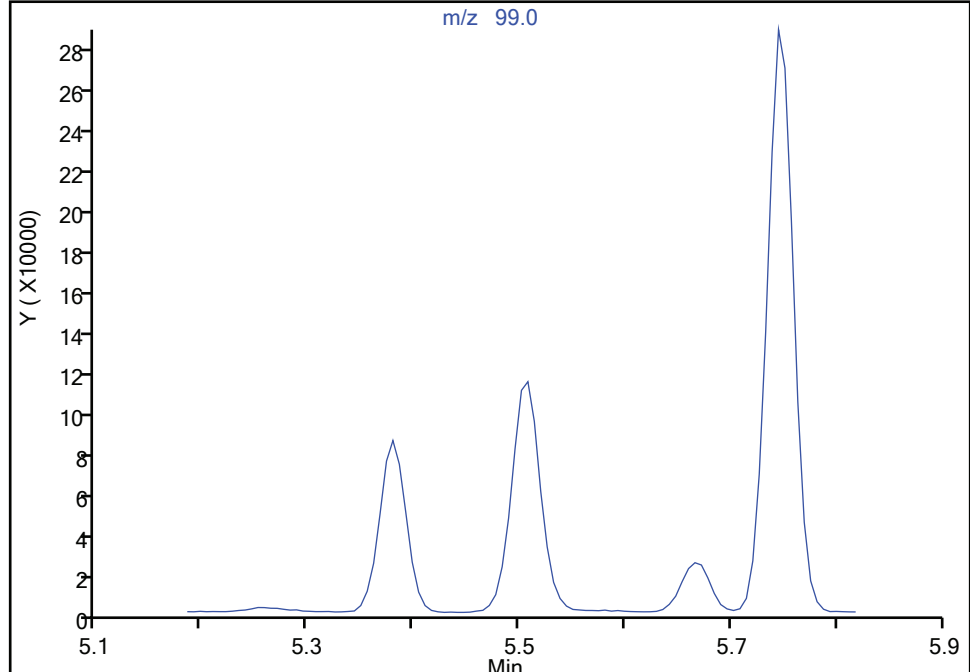
70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

Not Detected

Expected RT: 5.51

Processing Integration Results



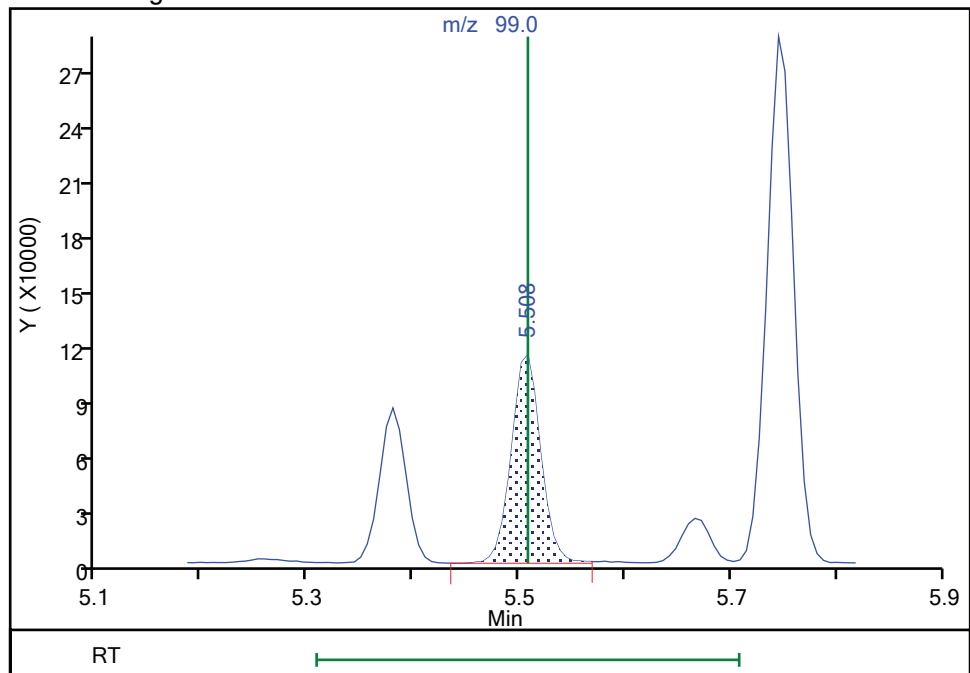
RT: 5.51

Area: 215526

Amount: 488.5936

Amount Units: ug/l

Manual Integration Results



Reviewer: starzecm, 13-May-2020 17:34:25

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D

Injection Date: 13-May-2020 17:15:30

Instrument ID: CVOAMS11

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector

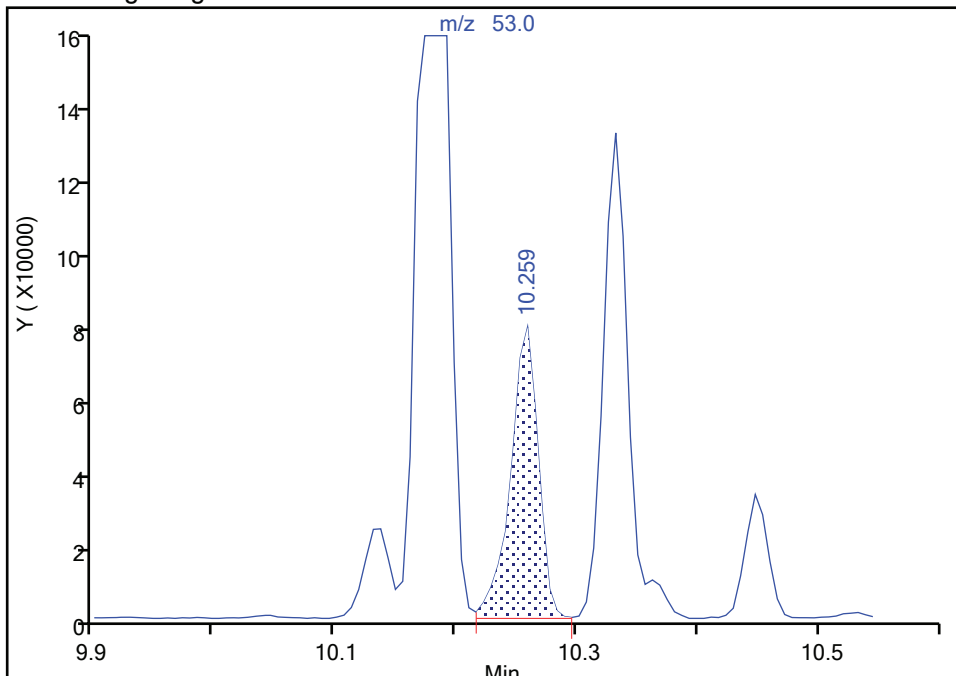
MS SCAN

111 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

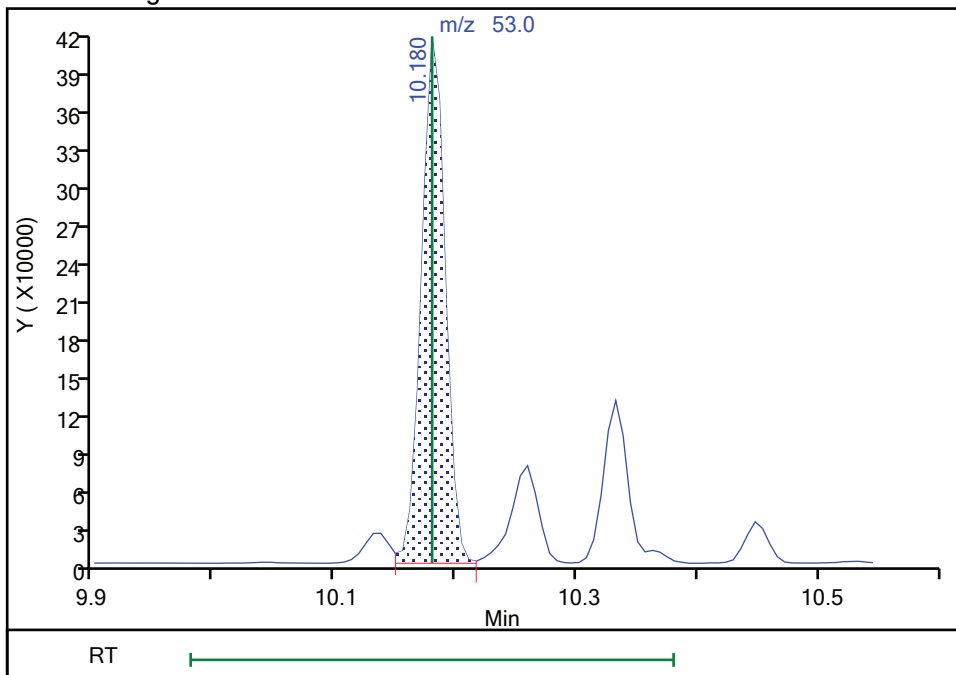
RT: 10.26
Area: 122975
Amount: 190.7194
Amount Units: ug/l

Processing Integration Results



RT: 10.18
Area: 571305
Amount: 523.3214
Amount Units: ug/l

Manual Integration Results



Reviewer: baronm, 13-May-2020 19:47:33

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 460-708036/4 Calibration Date: 07/13/2020 23:13

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A91144.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	0.4313	0.4752	0.1000	22.0	20.0	10.2	20.0
Chloromethane	Ave	0.5140	0.6430	0.1000	25.0	20.0	25.1*	20.0
Vinyl chloride	Ave	0.4972	0.5565	0.1000	22.4	20.0	11.9	20.0
Butadiene	Ave	0.4093	0.4955		24.2	20.0	21.1*	20.0
Bromomethane	Ave	0.3410	0.3119	0.1000	18.3	20.0	-8.5	50.0
Chloroethane	Ave	0.2776	0.2853	0.1000	20.6	20.0	2.8	50.0
Dichlorofluoromethane	Ave	0.6095	0.6221		20.4	20.0	2.1	20.0
Trichlorofluoromethane	Ave	0.4533	0.4579	0.1000	20.2	20.0	1.0	20.0
Pentane	Ave	2.371	1.859		31.4	40.0	-21.6*	20.0
Ethyl ether	Ave	0.2438	0.2310		18.9	20.0	-5.3	20.0
Ethanol	Ave	0.0775	0.0704		726	800	-9.2	50.0
2-Methyl-1,3-butadiene	Ave	0.2809	0.2757		19.6	20.0	-1.9	20.0
Acrolein	QuaF		1.301		99.6	40.0	149.1*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3110	0.2560	0.1000	16.5	20.0	-17.7	20.0
1,1-Dichloroethene	Ave	0.2945	0.2890	0.1000	19.6	20.0	-1.9	20.0
Acetone	Ave	0.3201	0.2065	0.0500	64.5	100	-35.5	50.0
Iodomethane	Ave	0.5371	0.4750		17.7	20.0	-11.6	20.0
Isopropyl alcohol	QuaF		0.7700		225	200	12.7	50.0
Carbon disulfide	Ave	1.152	1.118	0.1000	19.4	20.0	-3.0	50.0
Allyl chloride	Ave	0.2097	0.2027		19.3	20.0	-3.3	20.0
Cyclopentene	Ave	0.7782	0.7836		20.1	20.0	0.7	20.0
Methyl acetate	Ave	0.2036	0.2253	0.1000	44.3	40.0	10.6	20.0
Acetonitrile	Ave	1.569	1.874		239	200	19.5	20.0
Methylene Chloride	Ave	0.3588	0.3663	0.1000	20.4	20.0	2.1	20.0
2-Methyl-2-propanol	Ave	0.9607	1.068		222	200	11.2	50.0
Methyl tertiary butyl ether	Ave	0.6758	0.7967	0.1000	23.6	20.0	17.9	20.0
trans-1,2-Dichloroethene	Ave	0.3082	0.2915	0.1000	18.9	20.0	-5.4	20.0
Acrylonitrile	Ave	0.1133	0.1374		242	200	21.2*	20.0
Hexane	Ave	0.2389	0.3245		27.2	20.0	35.8*	20.0
Isopropyl ether	Ave	0.9001	1.229		27.3	20.0	36.5*	20.0
1,1-Dichloroethane	Ave	0.5073	0.6080	0.2000	24.0	20.0	19.8	20.0
Vinyl acetate	Ave	1.666	1.814		43.6	40.0	8.9	20.0
2-Chloro-1,3-butadiene	Ave	0.2493	0.2884		23.1	20.0	15.7	20.0
Tert-butyl ethyl ether	Ave	0.7127	0.9799		27.5	20.0	37.5*	20.0
2,2-Dichloropropane	Ave	0.0708	0.0777		21.9	20.0	9.7	20.0
cis-1,2-Dichloroethene	Ave	0.3230	0.3243	0.1000	20.1	20.0	0.4	20.0
2-Butanone (MEK)	Ave	0.3061	0.2432	0.0500	79.5	100	-20.5	50.0
Ethyl acetate	Ave	0.2421	0.2325		38.4	40.0	-4.0	20.0
Methyl acrylate	Ave	0.2028	0.2777		27.4	20.0	36.9*	20.0
Propionitrile	Ave	1.697	1.939		228	200	14.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-708036/4 Calibration Date: 07/13/2020 23:13
 Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 06/11/2020 04:26
 Lab File ID: A91144.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
Chlorobromomethane	Ave	0.1530	0.1515		19.8	20.0	-1.0	20.0
Tetrahydrofuran	Ave	0.3428	0.2993		34.9	40.0	-12.7	20.0
Methacrylonitrile	Ave	0.1120	0.1333		238	200	19.0	20.0
Chloroform	Ave	0.4571	0.5112	0.2000	22.4	20.0	11.8	20.0
Cyclohexane	Ave	0.5226	0.6622	0.1000	25.3	20.0	26.7	50.0
1,1,1-Trichloroethane	Ave	0.3327	0.3771	0.1000	22.7	20.0	13.4	20.0
Carbon tetrachloride	Qua2		0.2785	0.1000	29.5	20.0	47.7*	20.0
1,1-Dichloropropene	Ave	0.3620	0.4121		22.8	20.0	13.8	20.0
Isobutyl alcohol	QuaF		0.4216		921	500	84.2*	20.0
2,2,4-Trimethylpentane	Ave	0.9241	1.129		24.4	20.0	22.1*	20.0
Benzene	Ave	1.545	1.832	0.5000	23.7	20.0	18.6	20.0
Isopropyl acetate	Ave	0.6543	0.9811		30.0	20.0	49.9*	20.0
Tert-amyl methyl ether	Ave	0.2157	0.2431		22.5	20.0	12.7	20.0
1,2-Dichloroethane	Ave	0.3188	0.3925	0.1000	24.6	20.0	23.1*	20.0
n-Heptane	Ave	0.3398	0.3977		23.4	20.0	17.0	20.0
n-Butanol	QuaF		0.2377		856	500	71.1*	50.0
Trichloroethene	Ave	0.2730	0.2814	0.2000	20.6	20.0	3.1	20.0
Ethyl acrylate	QuaF		0.3130		22.1	20.0	10.3	20.0
Methylcyclohexane	Ave	0.5062	0.5876	0.1000	23.2	20.0	16.1	50.0
1,2-Dichloropropane	Ave	0.2768	0.3048	0.1000	22.0	20.0	10.1	20.0
Methyl methacrylate	Ave	0.0572	0.0552		38.6	40.0	-3.5	20.0
n-Propyl acetate	Ave	0.2867	0.3928		27.4	20.0	37.0*	20.0
1,4-Dioxane	Ave	1.071	1.284		479	400	19.8	50.0
Dibromomethane	Ave	0.1621	0.1722		21.2	20.0	6.2	20.0
Dichlorobromomethane	Ave	0.2595	0.3240	0.2000	25.0	20.0	24.9*	20.0
2-Chloroethyl vinyl ether	Ave	0.1592	0.1848		23.3	20.0	16.1	20.0
2-Nitropropane	Qua2		0.0367		71.7	40.0	79.3*	20.0
Epichlorohydrin	Ave	0.2020	0.2199		435	400	8.9	20.0
cis-1,3-Dichloropropene	Ave	0.4620	0.6302	0.2000	27.3	20.0	36.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.228	2.620	0.0500	118	100	17.6	50.0
Toluene	Ave	1.527	1.801	0.4000	23.6	20.0	17.9	20.0
Ethyl methacrylate	QuaF		0.3463		23.2	20.0	15.9	20.0
trans-1,3-Dichloropropene	Ave	0.3362	0.5302	0.1000	31.5	20.0	57.7*	50.0
1,1,2-Trichloroethane	Ave	0.2609	0.3078	0.1000	23.6	20.0	18.0	20.0
Tetrachloroethene	Ave	0.3588	0.3349	0.2000	18.7	20.0	-6.7	20.0
1,3-Dichloropropane	Ave	0.5376	0.6707		25.0	20.0	24.8*	20.0
2-Hexanone	Ave	1.429	1.513	0.0500	106	100	5.9	50.0
n-Butyl acetate	QuaF		0.0994		24.4	20.0	21.8*	20.0
Chlorodibromomethane	Ave	0.2141	0.2689	0.1000	25.1	20.0	25.6	50.0
Ethylene Dibromide	Ave	0.2702	0.3253	0.1000	24.1	20.0	20.4*	20.0
Chlorobenzene	Ave	0.9454	1.023	0.5000	21.6	20.0	8.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 460-708036/4 Calibration Date: 07/13/2020 23:13

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A91144.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
Ethylbenzene	Ave	0.5566	0.6181	0.1000	22.2	20.0	11.0	20.0
1,1,1,2-Tetrachloroethane	Qua2		0.3150		28.6	20.0	42.9*	20.0
m-Xylene & p-Xylene	Ave	0.6718	0.7623	0.1000	22.7	20.0	13.5	20.0
n-Butyl acrylate	QuaF		0.2916		27.0	20.0	34.9*	20.0
o-Xylene	Ave	0.6839	0.7815	0.3000	22.9	20.0	14.3	20.0
Styrene	Ave	1.052	1.221	0.3000	23.2	20.0	16.1	20.0
Amyl acetate (mixed isomers)	QuaF		1.689		31.7	20.0	58.4*	20.0
Bromoform	Qua2		0.1378	0.1000	25.6	20.0	27.8*	20.0
Isopropylbenzene	Ave	1.802	1.945	0.1000	21.6	20.0	7.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7811	0.9337	0.3000	23.9	20.0	19.5	20.0
Bromobenzene	Ave	0.7630	0.7364		19.3	20.0	-3.5	20.0
N-Propylbenzene	Ave	3.908	4.523		23.1	20.0	15.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1866	0.2566		27.5	20.0	37.5*	20.0
1,2,3-Trichloropropane	Ave	0.2294	0.2665		23.2	20.0	16.2	20.0
4-Ethyltoluene	Ave	3.308	3.666		22.2	20.0	10.8	20.0
2-Chlorotoluene	Ave	2.837	3.450		24.3	20.0	21.6*	20.0
1,3,5-Trimethylbenzene	Ave	2.829	3.326		23.5	20.0	17.6	20.0
Butyl Methacrylate	QuaF		1.062		22.6	20.0	12.9	20.0
4-Chlorotoluene	Ave	2.184	2.669		24.4	20.0	22.2*	20.0
tert-Butylbenzene	Ave	2.168	2.448		22.6	20.0	12.9	20.0
1,2,4-Trimethylbenzene	Ave	2.894	3.323		23.0	20.0	14.9	20.0
sec-Butylbenzene	Ave	3.627	4.097		22.6	20.0	13.0	20.0
4-Isopropyltoluene	Ave	3.092	3.482		22.5	20.0	12.6	20.0
1,3-Dichlorobenzene	Ave	1.516	1.572	0.6000	20.7	20.0	3.7	20.0
1,4-Dichlorobenzene	Ave	1.539	1.650	0.5000	21.4	20.0	7.2	20.0
1,2,3-Trimethylbenzene	Ave	3.110	3.572		23.0	20.0	14.8	20.0
Benzyl chloride	Qua2		1.020		33.1	20.0	65.4*	50.0
Indan	Ave	3.283	3.783		23.0	20.0	15.2	20.0
p-Diethylbenzene	Ave	1.838	2.123		23.1	20.0	15.5	20.0
n-Butylbenzene	Ave	1.736	2.068		23.8	20.0	19.1	20.0
1,2-Dichlorobenzene	Ave	1.581	1.611	0.4000	20.4	20.0	1.9	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.823	3.496		24.8	20.0	23.8*	20.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1437	0.0500	30.4	20.0	52.0*	50.0
1,3,5-Trichlorobenzene	Ave	1.247	1.384		22.2	20.0	11.0	20.0
1,2,4-Trichlorobenzene	Ave	0.9698	1.139	0.2000	23.5	20.0	17.4	20.0
Hexachlorobutadiene	Ave	0.4625	0.5522		23.9	20.0	19.4	20.0
Naphthalene	Ave	1.767	2.600		29.4	20.0	47.1	50.0
1,2,3-Trichlorobenzene	Ave	0.6290	0.8978		28.5	20.0	42.7*	20.0
Dibromofluoromethane (Surr)	Ave	0.2328	0.2133		45.8	50.0	-8.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2659	0.3062		57.6	50.0	15.2	20.0
Toluene-d8 (Surr)	Ave	1.263	1.335		52.8	50.0	5.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Lab Sample ID: CCVIS 460-708036/4 Calibration Date: 07/13/2020 23:13
Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 06/11/2020 04:26
Lab File ID: A91144.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
4-Bromofluorobenzene	Ave	0.3657	0.3428		46.9	50.0	-6.3	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91144.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-Jul-2020 23:13:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0113190-004
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub49
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-Jul-2020 16:34:50 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1068

First Level Reviewer: yallabg

Date: 13-Jul-2020 23:33:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.697	1.697	0.000	98	84454	20.0	22.0	
6 Chloromethane	50	1.904	1.904	0.000	99	114269	20.0	25.0	
8 Vinyl chloride	62	2.014	2.014	0.000	97	98894	20.0	22.4	
7 Butadiene	39	2.044	2.044	0.000	97	88054	20.0	24.2	
9 Bromomethane	94	2.379	2.379	0.000	98	55426	20.0	18.3	
10 Chloroethane	64	2.465	2.465	0.000	98	50710	20.0	20.6	
11 Dichlorofluoromethane	67	2.690	2.690	0.000	98	110569	20.0	20.4	
12 Trichlorofluoromethane	101	2.702	2.702	0.000	67	81373	20.0	20.2	
13 Pentane	72	2.727	2.727	0.000	97	16566	40.0	31.4	
14 Ethyl ether	59	2.946	2.946	0.000	90	41054	20.0	18.9	
15 Ethanol	46	2.958	2.958	0.000	75	12538	800.0	726.2	M
16 2-Methyl-1,3-butadiene	53	2.971	2.971	0.000	97	48992	20.0	19.6	
19 Acrolein	56	3.154	3.154	0.000	95	11595	40.0	99.6	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.178	3.178	0.000	93	45505	20.0	16.5	
21 1,1-Dichloroethene	96	3.184	3.184	0.000	97	51358	20.0	19.6	
22 Acetone	58	3.282	3.282	0.000	86	23985	100.0	64.5	
23 Iodomethane	142	3.355	3.355	0.000	97	84421	20.0	17.7	
25 Isopropyl alcohol	45	3.391	3.391	0.000	33	34307	200.0	225.4	
24 Carbon disulfide	76	3.397	3.397	0.000	99	198675	20.0	19.4	
26 3-Chloro-1-propene	76	3.532	3.532	0.000	92	36032	20.0	19.3	
27 Methyl acetate	43	3.544	3.544	0.000	83	80073	40.0	44.3	
28 Cyclopentene	67	3.544	3.544	0.000	92	139255	20.0	20.1	
29 Acetonitrile	41	3.605	3.605	0.000	99	83512	200.0	238.9	
30 Methylene Chloride	84	3.666	3.666	0.000	98	65098	20.0	20.4	a
* 31 TBA-d9 (IS)	65	3.666	3.666	0.000	86	222766	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.745	3.745	0.000	28	47583	200.0	222.3	a
33 Methyl tert-butyl ether	73	3.830	3.830	0.000	98	141598	20.0	23.6	
34 trans-1,2-Dichloroethene	96	3.855	3.855	0.000	98	51809	20.0	18.9	
35 Acrylonitrile	53	3.928	3.928	0.000	94	244205	200.0	242.5	
36 Hexane	43	4.001	4.001	0.000	94	57672	20.0	27.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Isopropyl ether	45	4.202	4.202	0.000	97	218354	20.0	27.3	
38 1,1-Dichloroethane	63	4.233	4.233	0.000	99	108048	20.0	24.0	
39 Vinyl acetate	86	4.251	4.251	0.000	100	16164	40.0	43.6	
40 2-Chloro-1,3-butadiene	88	4.275	4.275	0.000	91	51255	20.0	23.1	
41 Tert-butyl ethyl ether	59	4.489	4.489	0.000	88	174155	20.0	27.5	
* 42 2-Butanone-d5	46	4.665	4.665	0.000	92	290367	250.0	250.0	
43 2,2-Dichloropropane	97	4.684	4.684	0.000	94	13813	20.0	21.9	
44 cis-1,2-Dichloroethene	96	4.702	4.702	0.000	88	57629	20.0	20.1	
45 Ethyl acetate	70	4.708	4.708	0.000	93	10802	40.0	38.4	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	95	28243	100.0	79.5	
47 Methyl acrylate	55	4.757	4.757	0.000	100	49355	20.0	27.4	
48 Propionitrile	54	4.830	4.830	0.000	99	86393	200.0	228.5	
49 Chlorobromomethane	128	4.891	4.891	0.000	96	26918	20.0	19.8	
50 Tetrahydrofuran	72	4.897	4.897	0.000	66	13905	40.0	34.9	
51 Methacrylonitrile	67	4.915	4.915	0.000	93	236868	200.0	238.1	
52 Chloroform	83	4.934	4.934	0.000	98	90856	20.0	22.4	
53 Cyclohexane	56	5.050	5.050	0.000	95	117689	20.0	25.3	
\$ 54 Dibromofluoromethane (Surr)	113	5.062	5.062	0.000	96	94751	50.0	45.8	
55 1,1,1-Trichloroethane	97	5.062	5.062	0.000	74	67019	20.0	22.7	
56 Carbon tetrachloride	117	5.159	5.159	0.000	96	49492	20.0	29.5	
57 1,1-Dichloropropene	75	5.178	5.178	0.000	95	73237	20.0	22.8	
58 Isobutyl alcohol	43	5.257	5.257	0.000	97	46957	500.0	920.9	
59 Isooctane	57	5.306	5.306	0.000	95	200593	20.0	24.4	
60 Benzene	78	5.336	5.336	0.000	98	210276	20.0	23.7	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.348	0.000	94	136052	50.0	57.6	
62 Isopropyl acetate	43	5.360	5.360	0.000	96	174357	20.0	30.0	
63 Tert-amyl methyl ether	87	5.379	5.379	0.000	94	43195	20.0	22.5	
64 1,2-Dichloroethane	62	5.409	5.409	0.000	97	69763	20.0	24.6	
65 n-Heptane	71	5.434	5.434	0.000	96	70679	20.0	23.4	
* 66 Fluorobenzene	96	5.562	5.562	0.000	98	444310	50.0	50.0	
67 n-Butanol	56	5.775	5.775	0.000	91	26478	500.0	855.7	
68 Trichloroethene	95	5.848	5.848	0.000	96	50009	20.0	20.6	
70 Ethyl acrylate	55	5.921	5.921	0.000	55	55633	20.0	22.1	a
69 Methylcyclohexane	83	5.958	5.958	0.000	93	104438	20.0	23.2	
71 1,2-Dichloropropane	63	6.098	6.098	0.000	90	54173	20.0	22.0	
* 72 1,4-Dioxane-d8	96	6.135	6.135	0.000	93	25764	1000.0	1000.0	
73 Methyl methacrylate	100	6.135	6.135	0.000	91	19627	40.0	38.6	a
74 n-Propyl acetate	43	6.171	6.171	0.000	98	69809	20.0	27.4	
76 1,4-Dioxane	88	6.183	6.183	0.000	29	13233	400.0	479.4	
75 Dibromomethane	93	6.208	6.208	0.000	92	30602	20.0	21.2	
77 Dichlorobromomethane	83	6.336	6.336	0.000	98	57589	20.0	25.0	
78 2-Chloroethyl vinyl ether	63	6.604	6.604	0.000	95	32925	20.0	23.3	
79 2-Nitropropane	41	6.616	6.616	0.000	81	13051	40.0	71.7	
80 Epichlorohydrin	57	6.702	6.702	0.000	99	102180	400.0	435.4	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	94	72334	20.0	27.3	
82 4-Methyl-2-pentanone (MIBK)	43	6.860	6.860	0.000	98	304354	100.0	117.6	
\$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	98	382923	50.0	52.8	
84 Toluene	91	6.988	6.988	0.000	92	206662	20.0	23.6	
85 trans-1,3-Dichloropropene	75	7.208	7.208	0.000	89	60847	20.0	31.5	
86 Ethyl methacrylate	69	7.208	7.208	0.000	81	61538	20.0	23.2	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	93	35329	20.0	23.6	
88 Tetrachloroethene	166	7.391	7.391	0.000	92	38432	20.0	18.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
89 1,3-Dichloropropane	76	7.482	7.482	0.000	96	76976	20.0	25.0	
90 2-Hexanone	43	7.500	7.500	0.000	97	175730	100.0	105.9	
91 n-Butyl acetate	73	7.555	7.555	0.000	98	11411	20.0	24.4	
92 Chlorodibromomethane	129	7.628	7.628	0.000	98	30856	20.0	25.1	
93 Ethylene Dibromide	107	7.726	7.726	0.000	98	37338	20.0	24.1	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	89	286930	50.0	50.0	
95 Chlorobenzene	112	8.025	8.025	0.000	92	117365	20.0	21.6	
96 Ethylbenzene	106	8.061	8.061	0.000	98	70935	20.0	22.2	
97 1,1,1,2-Tetrachloroethane	131	8.079	8.079	0.000	91	36148	20.0	28.6	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	87490	20.0	22.7	
99 n-Butyl acrylate	73	8.342	8.342	0.000	96	33468	20.0	27.0	
100 o-Xylene	106	8.390	8.390	0.000	93	89697	20.0	22.9	
101 Styrene	104	8.403	8.403	0.000	93	140137	20.0	23.2	
102 Amyl acetate (mixed isomers)	43	8.470	8.470	0.000	88	104382	20.0	31.7	
103 Bromoform	173	8.543	8.543	0.000	95	15812	20.0	25.6	
104 Isopropylbenzene	105	8.591	8.591	0.000	97	223205	20.0	21.6	
\$ 105 4-Bromofluorobenzene	174	8.720	8.720	0.000	83	98348	50.0	46.9	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	57715	20.0	23.9	
107 Bromobenzene	156	8.811	8.811	0.000	94	45520	20.0	19.3	
108 N-Propylbenzene	91	8.823	8.823	0.000	98	279579	20.0	23.1	
109 trans-1,4-Dichloro-2-butene	53	8.835	8.835	0.000	73	15862	20.0	27.5	
110 1,2,3-Trichloropropane	110	8.841	8.841	0.000	93	16472	20.0	23.2	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	226580	20.0	22.2	
112 2-Chlorotoluene	91	8.902	8.902	0.000	96	213264	20.0	24.3	
113 1,3,5-Trimethylbenzene	105	8.921	8.921	0.000	91	205600	20.0	23.5	
114 Butyl Methacrylate	87	8.945	8.945	0.000	92	65618	20.0	22.6	
115 4-Chlorotoluene	91	8.963	8.963	0.000	98	164987	20.0	24.4	
116 tert-Butylbenzene	119	9.104	9.104	0.000	91	151304	20.0	22.6	
117 1,2,4-Trimethylbenzene	105	9.134	9.134	0.000	98	205424	20.0	23.0	
118 sec-Butylbenzene	105	9.226	9.226	0.000	99	253253	20.0	22.6	
119 4-Isopropyltoluene	119	9.299	9.299	0.000	97	215206	20.0	22.5	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	93	97148	20.0	20.7	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	97	154528	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.384	9.384	0.000	70	101958	20.0	21.4	
123 1,2,3-Trimethylbenzene	105	9.390	9.390	0.000	98	220798	20.0	23.0	
124 Benzyl chloride	91	9.469	9.469	0.000	96	63040	20.0	33.1	
125 2,3-Dihydroindene	117	9.518	9.518	0.000	92	233812	20.0	23.0	
126 p-Diethylbenzene	119	9.524	9.524	0.000	95	131195	20.0	23.1	
127 n-Butylbenzene	92	9.543	9.543	0.000	98	127809	20.0	23.8	
128 1,2-Dichlorobenzene	146	9.622	9.622	0.000	92	99589	20.0	20.4	
129 1,2,4,5-Tetramethylbenzene	119	10.036	10.036	0.000	97	216079	20.0	24.8	
130 1,2-Dibromo-3-Chloropropane	75	10.152	10.152	0.000	88	8880	20.0	30.4	
131 1,3,5-Trichlorobenzene	180	10.250	10.250	0.000	95	85518	20.0	22.2	
132 1,2,4-Trichlorobenzene	180	10.762	10.762	0.000	92	70393	20.0	23.5	
133 Hexachlorobutadiene	225	10.835	10.835	0.000	93	34131	20.0	23.9	
134 Naphthalene	128	11.006	11.006	0.000	99	160700	20.0	29.4	
135 1,2,3-Trichlorobenzene	180	11.231	11.231	0.000	93	55491	20.0	28.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.0	
S 137 Xylenes, Total	100				0		40.0	45.5	
S 138 Total BTEX	1				0		100.0	115.1	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00109	Amount Added: 4.00	Units: uL	
GASES Li_00376	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91144.D

Injection Date: 13-Jul-2020 23:13:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: CCVIS

Purge Vol: 5.000 mL

Worklist Smp#: 4

Client ID:

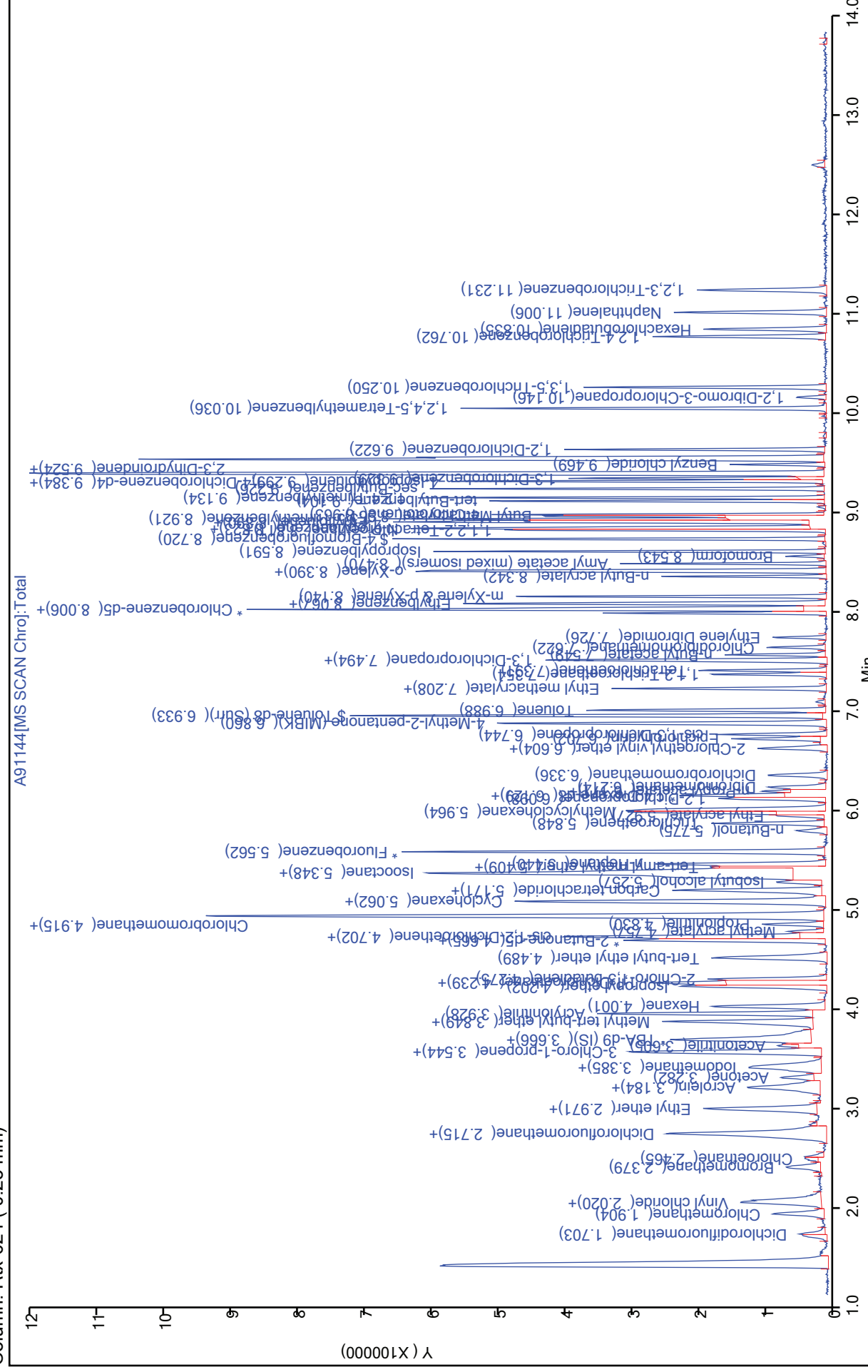
Method: 8260624W_1

Dil. Factor: 1.0000

ALS Bottle#: 3

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91144.D

Injection Date: 13-Jul-2020 23:13:30

Instrument ID: CVOAMS1

Lims ID: CCVIS

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

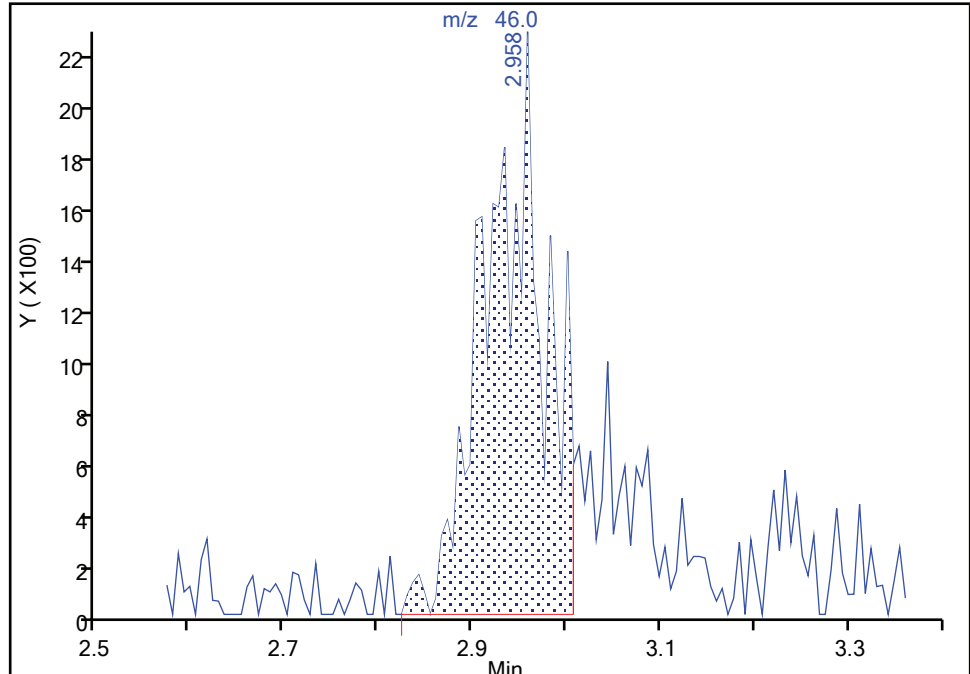
MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

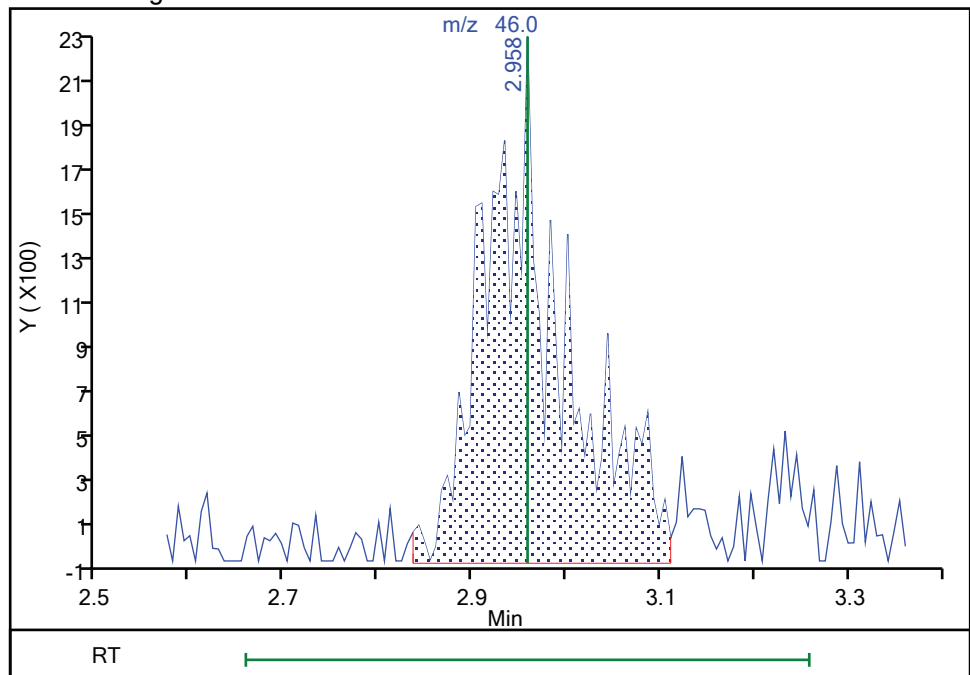
RT: 2.96
Area: 9611
Amount: 556.6421
Amount Units: ug/l

Processing Integration Results



RT: 2.96
Area: 12538
Amount: 726.1657
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 14-Jul-2020 16:33:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91144.D

Injection Date: 13-Jul-2020 23:13:30

Instrument ID: CVOAMS1

Lims ID: CCVIS

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

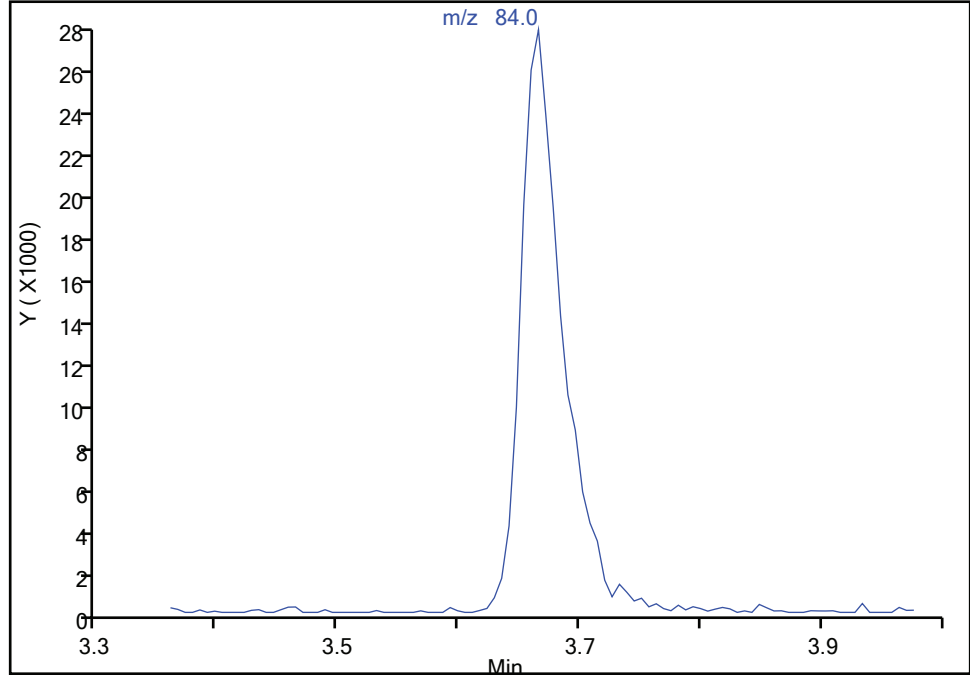
30 Methylene Chloride, CAS: 75-09-2

Signal: 1

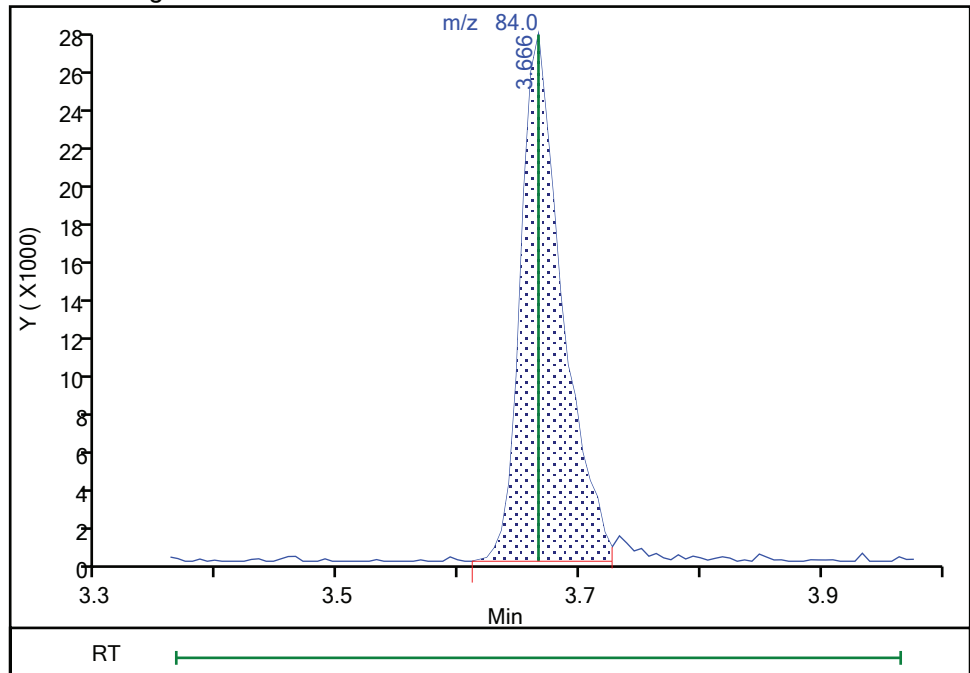
Not Detected

Expected RT: 3.67

Processing Integration Results



Manual Integration Results



Reviewer: yallabg, 14-Jul-2020 00:00:58

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91144.D

Injection Date: 13-Jul-2020 23:13:30

Instrument ID: CVOAMS1

Lims ID: CCVIS

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

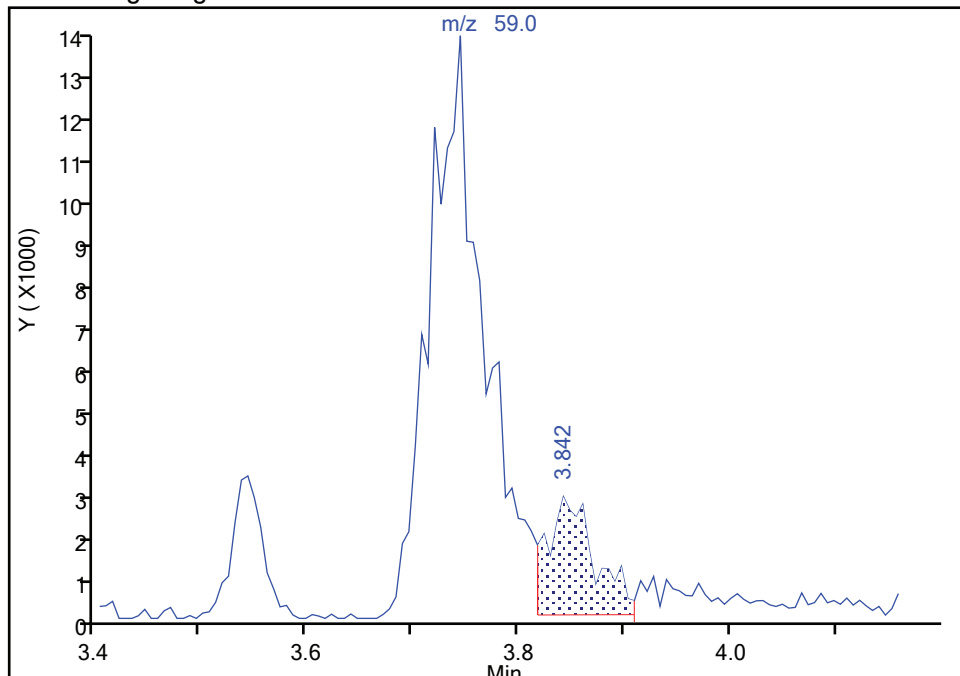
MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

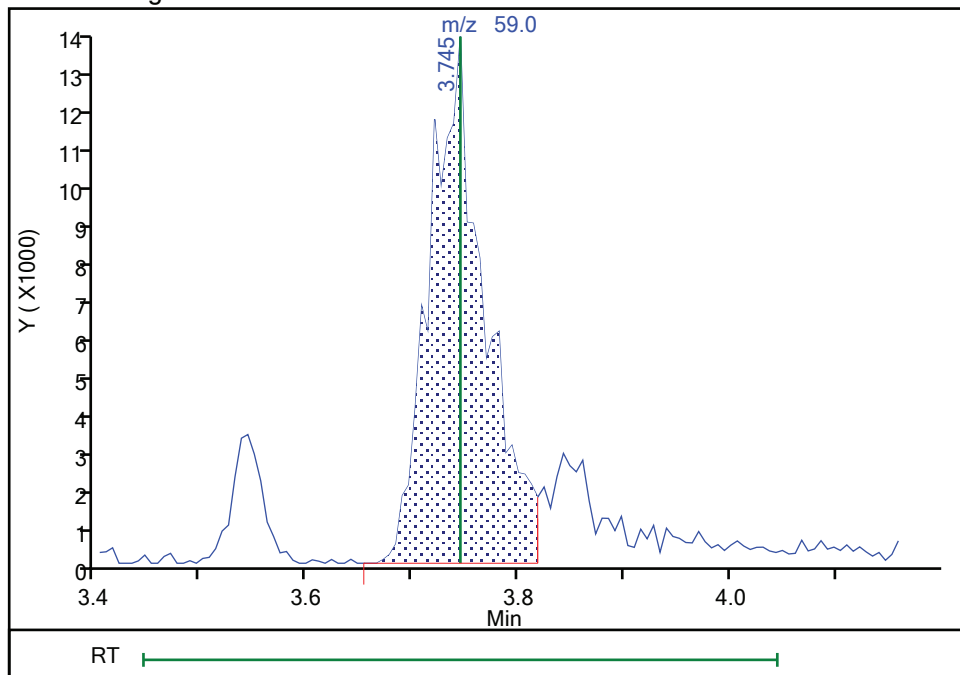
RT: 3.84
Area: 8456
Amount: 39.512703
Amount Units: ug/l

Processing Integration Results



RT: 3.74
Area: 47583
Amount: 222.3431
Amount Units: ug/l

Manual Integration Results



Reviewer: yallabg, 13-Jul-2020 23:47:03

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91144.D

Injection Date: 13-Jul-2020 23:13:30

Instrument ID: CVOAMS1

Lims ID: CCVIS

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

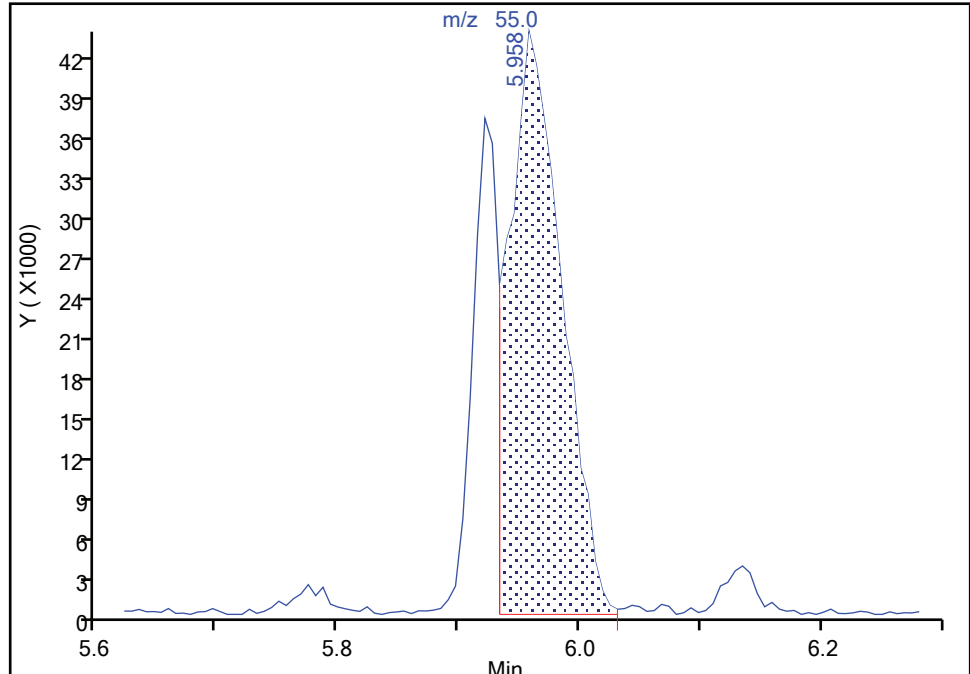
MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

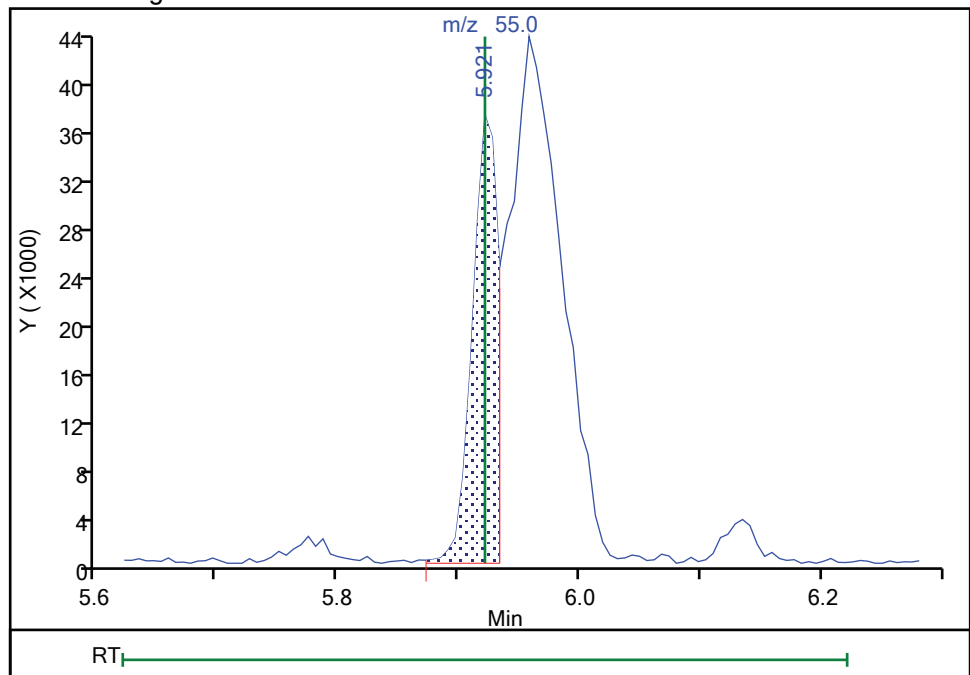
RT: 5.96
Area: 133717
Amount: 52.017140
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 55633
Amount: 22.054816
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 14-Jul-2020 16:34:10

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

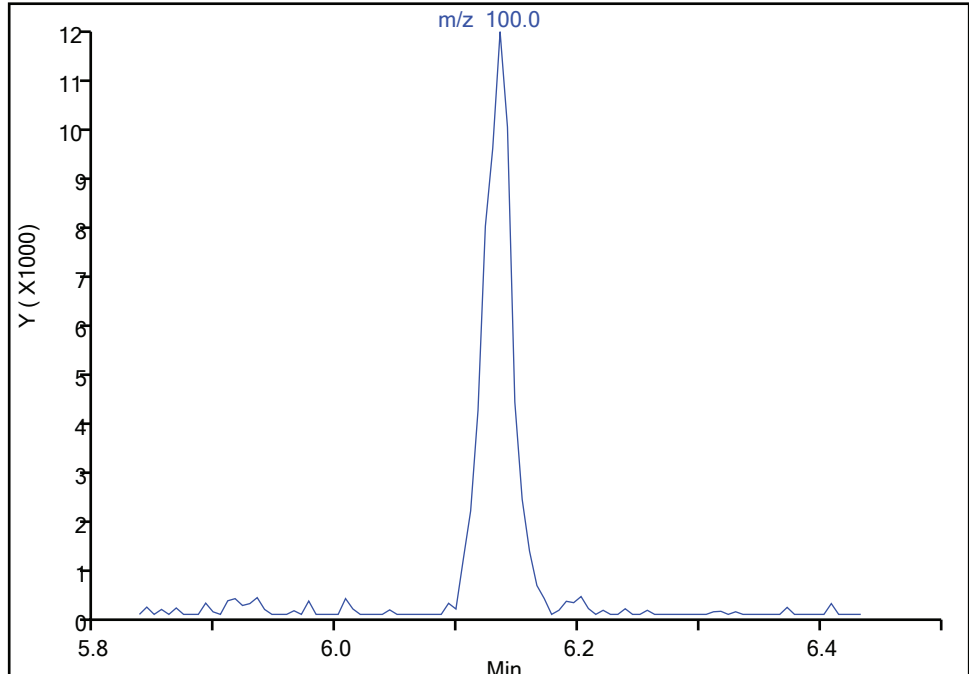
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91144.D
Injection Date: 13-Jul-2020 23:13:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

73 Methyl methacrylate, CAS: 80-62-6

Signal: 1

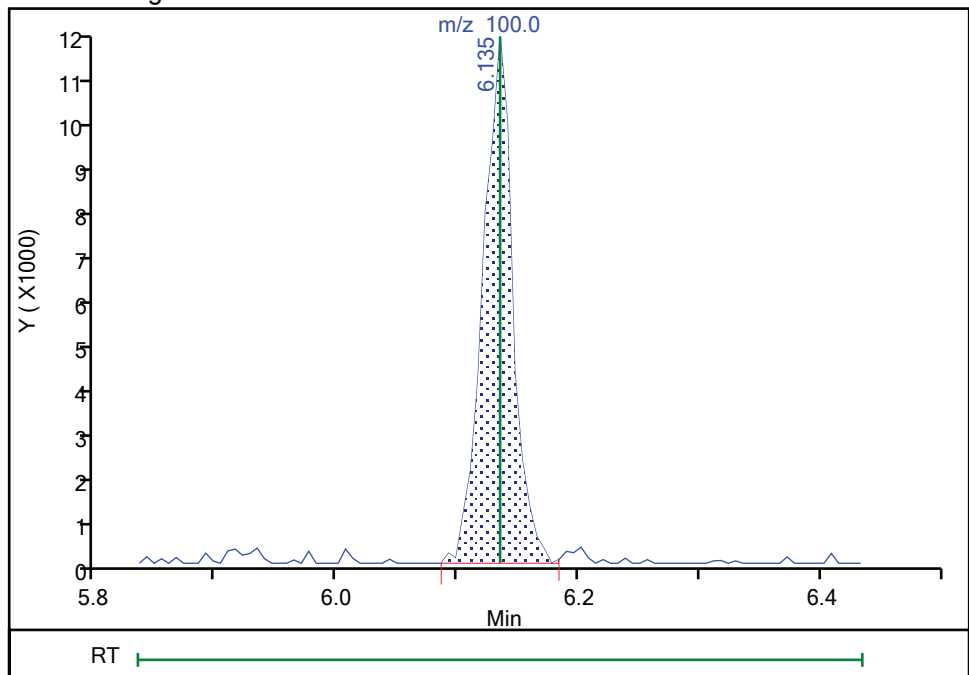
Not Detected
Expected RT: 6.13

Processing Integration Results



RT: 6.13
Area: 19627
Amount: 38.589068
Amount Units: ug/l

Manual Integration Results



Reviewer: yallabg, 14-Jul-2020 00:00:44
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-707280/4 Calibration Date: 07/10/2020 09:46
 Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15
 Lab File ID: N21608.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	0.0913	0.0808*	0.1000	17.7	20.0	-11.5	20.0
Chloromethane	Ave	1.184	0.9502	0.1000	16.1	20.0	-19.7	20.0
Vinyl chloride	Ave	0.4082	0.3692	0.1000	18.1	20.0	-9.6	20.0
Butadiene	Ave	0.3299	0.3005		18.2	20.0	-8.9	20.0
Bromomethane	Ave	0.2734	0.2468	0.1000	18.1	20.0	-9.7	50.0
Chloroethane	Ave	0.2069	0.2116	0.1000	20.5	20.0	2.3	50.0
Dichlorofluoromethane	Ave	0.4705	0.4757		20.2	20.0	1.1	20.0
Trichlorofluoromethane	Ave	0.3210	0.2869	0.1000	17.9	20.0	-10.6	20.0
Pentane	Ave	8.488	9.396		44.3	40.0	10.7	20.0
Ethanol	Ave	0.3257	0.3897		957	800	19.6	50.0
Ethyl ether	Ave	0.1391	0.1434		20.6	20.0	3.1	20.0
2-Methyl-1,3-butadiene	Ave	0.1860	0.1954		21.0	20.0	5.0	20.0
Acrolein	Ave	8.570	7.118		33.2	40.0	-16.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1862	0.1871	0.1000	20.1	20.0	0.5	20.0
1,1-Dichloroethene	Ave	0.1972	0.1930	0.1000	19.6	20.0	-2.1	20.0
Acetone	Ave	0.2119	0.1798	0.0500	84.8	100	-15.2	50.0
Iodomethane	Ave	0.4134	0.3881		18.8	20.0	-6.1	20.0
Isopropyl alcohol	Ave	3.545	4.089		231	200	15.3	50.0
Carbon disulfide	Ave	0.7594	0.7853	0.1000	20.7	20.0	3.4	50.0
Allyl chloride	Ave	0.1318	0.1329		20.2	20.0	0.8	20.0
Methyl acetate	Ave	11.20	10.64	0.1000	38.0	40.0	-5.0	20.0
Cyclopentene	Ave	0.5016	0.5279		21.0	20.0	5.2	20.0
Acetonitrile	Qua2		9.99		221	200	10.7	20.0
Methylene Chloride	Ave	0.2687	0.2629	0.1000	19.6	20.0	-2.2	20.0
2-Methyl-2-propanol	Ave	5.910	5.545		188	200	-6.2	50.0
Methyl tertiary butyl ether	Ave	0.6081	0.5892	0.1000	19.4	20.0	-3.1	20.0
trans-1,2-Dichloroethene	Ave	0.2223	0.2232	0.1000	20.1	20.0	0.4	20.0
Acrylonitrile	Ave	27.36	28.99		212	200	6.0	20.0
Hexane	Ave	0.1083	0.1252		23.1	20.0	15.6	20.0
Isopropyl ether	Ave	0.7979	0.8603		21.6	20.0	7.8	20.0
1,1-Dichloroethane	Ave	0.4000	0.4341	0.2000	21.7	20.0	8.5	20.0
Vinyl acetate	Ave	0.3484	0.3245		37.3	40.0	-6.8	20.0
2-Chloro-1,3-butadiene	Ave	0.1853	0.1853		20.0	20.0	0.0	20.0
Tert-butyl ethyl ether	Ave	0.6495	0.6681		20.6	20.0	2.9	20.0
2,2-Dichloropropane	Ave	0.0965	0.0903		18.7	20.0	-6.4	20.0
cis-1,2-Dichloroethene	Ave	0.2465	0.2472	0.1000	20.1	20.0	0.3	20.0
2-Butanone (MEK)	Ave	0.2386	0.2098	0.0500	87.9	100	-12.1	50.0
Ethyl acetate	Ave	0.2156	0.1859		34.5	40.0	-13.8	20.0
Methyl acrylate	Ave	0.2198	0.2274		20.7	20.0	3.5	20.0
Propionitrile	Ave	10.08	10.75		213	200	6.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-707280/4 Calibration Date: 07/10/2020 09:46
 Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15
 Lab File ID: N21608.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
Tetrahydrofuran	Lin2		0.2280		35.9	40.0	-10.4	20.0
Chlorobromomethane	Ave	0.1252	0.1215		19.4	20.0	-2.9	20.0
Methacrylonitrile	Ave	0.1101	0.1110		202	200	0.8	20.0
Chloroform	Ave	0.3883	0.3607	0.2000	18.6	20.0	-7.1	20.0
Cyclohexane	Ave	0.2762	0.2956	0.1000	21.4	20.0	7.0	50.0
1,1,1-Trichloroethane	Ave	0.2982	0.2698	0.1000	18.1	20.0	-9.5	20.0
Carbon tetrachloride	Ave	0.2300	0.2070	0.1000	18.0	20.0	-10.0	20.0
1,1-Dichloropropene	Ave	0.2659	0.2726		20.5	20.0	2.5	20.0
Isobutyl alcohol	Ave	3.092	2.687		435	500	-13.1	50.0
2,2,4-Trimethylpentane	Ave	0.3710	0.4225		22.8	20.0	13.9	20.0
Benzene	Ave	1.244	1.322	0.5000	21.2	20.0	6.2	20.0
Isopropyl acetate	Ave	0.7227	0.7175		19.9	20.0	-0.7	20.0
Tert-amyl methyl ether	Ave	0.6371	0.6295		19.8	20.0	-1.2	20.0
1,2-Dichloroethane	Ave	0.3068	0.2838	0.1000	18.5	20.0	-7.5	20.0
n-Heptane	Ave	0.0870	0.1229		28.3	20.0	41.3*	20.0
n-Butanol	Ave	1.330	1.477		555	500	11.0	50.0
Trichloroethene	Ave	0.2101	0.1903*	0.2000	18.1	20.0	-9.4	20.0
Methylcyclohexane	Ave	0.2581	0.2823	0.1000	21.9	20.0	9.4	50.0
Ethyl acrylate	Qua2		0.0272		19.5	20.0	-2.6	20.0
1,2-Dichloropropane	Ave	0.2299	0.2425	0.1000	21.1	20.0	5.5	20.0
Methyl methacrylate	Ave	0.0566	0.0516		36.4	40.0	-8.9	20.0
1,4-Dioxane	Ave	0.9577	0.9944		415	400	3.8	50.0
Dibromomethane	Ave	0.1460	0.1344		18.4	20.0	-8.0	20.0
n-Propyl acetate	Ave	0.3504	0.3753		21.4	20.0	7.1	20.0
Dichlorobromomethane	Ave	0.2621	0.2495	0.2000	19.0	20.0	-4.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1447	0.1380		19.1	20.0	-4.7	20.0
2-Nitropropane	Ave	14.10	13.13		37.2	40.0	-6.9	20.0
Epichlorohydrin	Ave	0.1818	0.1779		391	400	-2.2	20.0
cis-1,3-Dichloropropene	Ave	0.4571	0.4835	0.2000	21.2	20.0	5.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.946	1.805	0.0500	92.8	100	-7.2	50.0
Toluene	Ave	1.260	1.243	0.4000	19.7	20.0	-1.3	20.0
trans-1,3-Dichloropropene	Ave	0.4007	0.4063	0.1000	20.3	20.0	1.4	50.0
Ethyl methacrylate	Ave	0.2604	0.2392		18.4	20.0	-8.1	20.0
1,1,2-Trichloroethane	Ave	0.2435	0.2463	0.1000	20.2	20.0	1.1	20.0
Tetrachloroethene	Ave	0.2853	0.2658	0.2000	18.6	20.0	-6.8	20.0
1,3-Dichloropropane	Ave	0.4526	0.4745		21.0	20.0	4.8	20.0
2-Hexanone	Ave	0.6480	0.5771	0.0500	89.0	100	-11.0	50.0
n-Butyl acetate	Ave	0.4902	0.5107		20.8	20.0	4.2	20.0
Chlorodibromomethane	Ave	0.2504	0.2406	0.1000	19.2	20.0	-3.9	50.0
Ethylene Dibromide	Ave	0.2677	0.2590	0.1000	19.3	20.0	-3.3	20.0
Chlorobenzene	Ave	0.7852	0.8048	0.5000	20.5	20.0	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 460-707280/4 Calibration Date: 07/10/2020 09:46

Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15

Lab File ID: N21608.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
Ethylbenzene	Ave	0.4160	0.4067	0.1000	19.6	20.0	-2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2721	0.2586		19.0	20.0	-5.0	20.0
m-Xylene & p-Xylene	Ave	0.5017	0.4898	0.1000	19.5	20.0	-2.4	20.0
n-Butyl acrylate	Ave	0.2144	0.1968		18.4	20.0	-8.2	20.0
o-Xylene	Ave	0.5227	0.4973	0.3000	19.0	20.0	-4.9	20.0
Styrene	Ave	0.8217	0.8025	0.3000	19.5	20.0	-2.3	20.0
Amyl acetate (mixed isomers)	Ave	0.9795	0.9602		19.6	20.0	-2.0	20.0
Bromoform	Ave	0.2971	0.2665	0.1000	17.9	20.0	-10.3	20.0
Isopropylbenzene	Ave	1.226	1.211	0.1000	19.8	20.0	-1.2	20.0
Bromobenzene	Ave	0.6357	0.6030		19.0	20.0	-5.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7131	0.7215	0.3000	20.2	20.0	1.2	20.0
N-Propylbenzene	Ave	2.576	2.561		19.9	20.0	-0.6	20.0
1,2,3-Trichloropropane	Ave	0.2056	0.1814		17.6	20.0	-11.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1916	0.1791		18.7	20.0	-6.5	20.0
2-Chlorotoluene	Ave	1.903	1.875		19.7	20.0	-1.5	20.0
4-Ethyltoluene	Ave	2.131	2.147		20.2	20.0	0.8	20.0
1,3,5-Trimethylbenzene	Ave	1.866	1.806		19.4	20.0	-3.2	20.0
4-Chlorotoluene	Ave	1.722	1.760		20.4	20.0	2.2	20.0
Butyl Methacrylate	Qua2		0.5703		18.8	20.0	-6.1	20.0
tert-Butylbenzene	Ave	1.398	1.379		19.7	20.0	-1.3	20.0
1,2,4-Trimethylbenzene	Ave	2.010	1.924		19.1	20.0	-4.3	20.0
sec-Butylbenzene	Ave	1.979	2.077		21.0	20.0	4.9	20.0
1,3-Dichlorobenzene	Ave	1.154	1.129	0.6000	19.6	20.0	-2.2	20.0
4-Isopropyltoluene	Ave	1.750	1.775		20.3	20.0	1.4	20.0
1,4-Dichlorobenzene	Ave	1.205	1.188	0.5000	19.7	20.0	-1.4	20.0
1,2,3-Trimethylbenzene	Ave	2.170	2.111		19.5	20.0	-2.7	20.0
Benzyl chloride	Ave	0.2170	0.2166		20.0	20.0	-0.2	50.0
Indan	Ave	2.170	2.108		19.4	20.0	-2.9	20.0
p-Diethylbenzene	Ave	0.9127	0.9860		21.6	20.0	8.0	20.0
n-Butylbenzene	Ave	0.8422	0.9720		23.1	20.0	15.4	20.0
1,2-Dichlorobenzene	Ave	1.247	1.187	0.4000	19.0	20.0	-4.8	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.844	1.689		18.3	20.0	-8.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1538	0.1387	0.0500	18.0	20.0	-9.8	50.0
1,3,5-Trichlorobenzene	Ave	0.8534	0.9237		21.6	20.0	8.2	20.0
1,2,4-Trichlorobenzene	Ave	0.8712	0.8535	0.2000	19.6	20.0	-2.0	20.0
Hexachlorobutadiene	Ave	0.2282	0.2188		19.2	20.0	-4.1	20.0
Naphthalene	Ave	2.499	2.162		17.3	20.0	-13.5	50.0
1,2,3-Trichlorobenzene	Ave	0.8262	0.8178		19.8	20.0	-1.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2279	0.1962		43.0	50.0	-13.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2763	0.2283		41.3	50.0	-17.4	20.0
Toluene-d8 (Surr)	Ave	1.200	1.144		47.7	50.0	-4.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Lab Sample ID: CCVIS 460-707280/4 Calibration Date: 07/10/2020 09:46
Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15
Lab File ID: N21608.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
4-Bromofluorobenzene	Ave	0.3745	0.3559		47.5	50.0	-5.0	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21608.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 10-Jul-2020 09:46:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0113014-004
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 15:23:24 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1036

First Level Reviewer: moroneyc

Date: 10-Jul-2020 10:06:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	87	1.389	1.389	0.000	97	16141	20.0	17.7	
7 Chloromethane	52	1.548	1.548	0.000	99	26591	20.0	16.1	
8 Vinyl chloride	62	1.621	1.621	0.000	94	73783	20.0	18.1	
9 Butadiene	54	1.627	1.627	0.000	96	60059	20.0	18.2	
10 Bromomethane	94	1.888	1.888	0.000	97	49330	20.0	18.1	
11 Chloroethane	64	1.949	1.949	0.000	98	42286	20.0	20.5	
12 Dichlorofluoromethane	67	2.126	2.126	0.000	98	95083	20.0	20.2	
13 Trichlorofluoromethane	101	2.132	2.132	0.000	56	57350	20.0	17.9	
14 Pentane	72	2.150	2.150	0.000	98	14838	40.0	44.3	
15 Ethanol	46	2.302	2.302	0.000	76	12308	800.0	957.1	a
16 Ethyl ether	74	2.326	2.326	0.000	92	28650	20.0	20.6	
17 2-Methyl-1,3-butadiene	53	2.345	2.345	0.000	97	39055	20.0	21.0	
20 Acrolein	56	2.484	2.484	0.000	93	11241	40.0	33.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.515	2.515	0.000	92	37388	20.0	20.1	
22 1,1-Dichloroethene	96	2.527	2.527	0.000	96	38583	20.0	19.6	
23 Acetone	58	2.600	2.600	0.000	87	25156	100.0	84.8	
24 Iodomethane	142	2.673	2.673	0.000	96	77571	20.0	18.8	
25 Isopropyl alcohol	45	2.691	2.691	0.000	89	32288	200.0	230.7	
26 Carbon disulfide	76	2.703	2.703	0.000	99	156960	20.0	20.7	
27 3-Chloro-1-propene	76	2.825	2.825	0.000	96	26554	20.0	20.2	
28 Methyl acetate	74	2.831	2.831	0.000	100	16797	40.0	38.0	
29 Cyclopentene	67	2.843	2.843	0.000	93	105512	20.0	21.0	
30 Acetonitrile	41	2.886	2.886	0.000	99	78877	200.0	221.5	
* 31 TBA-d9 (IS)	66	2.941	2.941	0.000	96	39481	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.947	0.000	99	52540	20.0	19.6	
33 2-Methyl-2-propanol	59	3.008	3.008	0.000	98	43787	200.0	187.7	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	98	117756	20.0	19.4	
35 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	98	44614	20.0	20.1	
36 Acrylonitrile	53	3.190	3.190	0.000	95	228897	200.0	211.9	
37 Hexane	56	3.269	3.269	0.000	96	25019	20.0	23.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Isopropyl ether	45	3.476	3.476	0.000	96	171937	20.0	21.6	
39 1,1-Dichloroethane	63	3.500	3.500	0.000	98	86754	20.0	21.7	
40 Vinyl acetate	86	3.513	3.513	0.000	100	18164	40.0	37.3	
41 2-Chloro-1,3-butadiene	88	3.543	3.543	0.000	92	37032	20.0	20.0	
42 Tert-butyl ethyl ether	59	3.774	3.774	0.000	89	133530	20.0	20.6	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	96	349807	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.987	0.000	89	18055	20.0	18.7	a
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	94	49411	20.0	20.1	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	96	29357	100.0	87.9	
47 Ethyl acetate	70	4.024	4.024	0.000	96	10404	40.0	34.5	
48 Methyl acrylate	55	4.072	4.072	0.000	99	45457	20.0	20.7	
49 Propionitrile	54	4.145	4.145	0.000	99	84848	200.0	213.2	
50 Tetrahydrofuran	72	4.218	4.218	0.000	69	12758	40.0	35.9	
51 Chlorobromomethane	128	4.224	4.224	0.000	93	24279	20.0	19.4	
52 Methacrylonitrile	67	4.249	4.249	0.000	94	221754	200.0	201.6	
53 Chloroform	83	4.273	4.273	0.000	98	72082	20.0	18.6	
54 Cyclohexane	84	4.401	4.401	0.000	96	59076	20.0	21.4	
55 1,1,1-Trichloroethane	97	4.419	4.419	0.000	96	53915	20.0	18.1	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	98038	50.0	43.0	
57 Carbon tetrachloride	117	4.535	4.535	0.000	97	41381	20.0	18.0	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	96	54484	20.0	20.5	
59 Isobutyl alcohol	43	4.681	4.681	0.000	94	53035	500.0	434.5	
60 Isooctane	57	4.729	4.729	0.000	95	84444	20.0	22.8	
61 Benzene	78	4.754	4.754	0.000	98	181434	20.0	21.2	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	91	114047	50.0	41.3	
64 Isopropyl acetate	43	4.814	4.814	0.000	95	143402	20.0	19.9	
63 Tert-amyl methyl ether	73	4.821	4.821	0.000	90	125807	20.0	19.8	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	95	56721	20.0	18.5	
66 n-Heptane	57	4.906	4.906	0.000	95	24566	20.0	28.3	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	499667	50.0	50.0	
68 n-Butanol	56	5.332	5.332	0.000	93	29159	500.0	555.1	
69 Trichloroethene	95	5.380	5.380	0.000	96	38041	20.0	18.1	
71 Methylcyclohexane	83	5.502	5.502	0.000	78	56420	20.0	21.9	
70 Ethyl acrylate	99	5.508	5.508	0.000	96	5445	20.0	19.5	
72 1,2-Dichloropropane	63	5.660	5.660	0.000	90	48463	20.0	21.1	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	76	28669	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	94	20618	40.0	36.4	
75 1,4-Dioxane	88	5.770	5.770	0.000	90	11403	400.0	415.3	
76 Dibromomethane	93	5.788	5.788	0.000	97	26863	20.0	18.4	
77 n-Propyl acetate	43	5.800	5.800	0.000	99	75002	20.0	21.4	
78 Dichlorobromomethane	83	5.940	5.940	0.000	98	49871	20.0	19.0	
79 2-Nitropropane	41	6.275	6.275	0.000	83	20736	40.0	37.2	
80 2-Chloroethyl vinyl ether	63	6.275	6.275	0.000	77	27637	20.0	19.1	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	99546	400.0	391.3	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.000	94	66382	20.0	21.2	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.603	0.000	98	252578	100.0	92.8	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	392603	50.0	47.7	
85 Toluene	91	6.749	6.749	0.000	94	170705	20.0	19.7	
86 trans-1,3-Dichloropropene	75	7.096	7.096	0.000	95	55773	20.0	20.3	
87 Ethyl methacrylate	69	7.132	7.132	0.000	92	47814	20.0	18.4	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	96	33807	20.0	20.2	
89 Tetrachloroethene	166	7.351	7.351	0.000	96	36495	20.0	18.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 1,3-Dichloropropane	76	7.516	7.516	0.000	97	65146	20.0	21.0	
91 2-Hexanone	58	7.582	7.582	0.000	98	80743	100.0	89.0	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	70118	20.0	20.8	
93 Chlorodibromomethane	129	7.741	7.741	0.000	98	33037	20.0	19.2	
94 Ethylene Dibromide	107	7.893	7.893	0.000	100	35557	20.0	19.3	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	343216	50.0	50.0	
96 Chlorobenzene	112	8.471	8.471	0.000	94	110490	20.0	20.5	
97 Ethylbenzene	106	8.580	8.580	0.000	99	55836	20.0	19.6	
98 1,1,1,2-Tetrachloroethane	131	8.592	8.592	0.000	94	35507	20.0	19.0	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	67249	20.0	19.5	
101 n-Butyl acrylate	73	9.249	9.249	0.000	67	27021	20.0	18.4	
100 o-Xylene	106	9.249	9.249	0.000	94	68271	20.0	19.0	
102 Styrene	104	9.286	9.286	0.000	95	110175	20.0	19.5	
104 Bromoform	173	9.523	9.523	0.000	95	20556	20.0	17.9	
103 Amyl acetate (mixed isomers)	43	9.523	9.523	0.000	89	74076	20.0	19.6	
105 Isopropylbenzene	105	9.681	9.681	0.000	96	166268	20.0	19.8	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	91	122143	50.0	47.5	
107 Bromobenzene	156	10.040	10.040	0.000	97	46520	20.0	19.0	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	99	55661	20.0	20.2	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	197570	20.0	19.9	
110 1,2,3-Trichloropropane	110	10.150	10.150	0.000	97	13997	20.0	17.6	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	84	13815	20.0	18.7	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	144656	20.0	19.7	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	165651	20.0	20.2	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	93	139332	20.0	19.4	
115 4-Chlorotoluene	91	10.363	10.363	0.000	98	135764	20.0	20.4	
116 Butyl Methacrylate	87	10.448	10.448	0.000	96	43996	20.0	18.8	
117 tert-Butylbenzene	119	10.636	10.636	0.000	94	106397	20.0	19.7	
118 1,2,4-Trimethylbenzene	105	10.697	10.697	0.000	97	148394	20.0	19.1	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	160213	20.0	21.0	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	87085	20.0	19.6	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	136915	20.0	20.3	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	192869	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.068	0.000	96	91673	20.0	19.7	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	98	162846	20.0	19.5	
125 Benzyl chloride	126	11.208	11.208	0.000	98	16711	20.0	20.0	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	94	162633	20.0	19.4	
127 p-Diethylbenzene	119	11.336	11.336	0.000	93	76070	20.0	21.6	
128 n-Butylbenzene	92	11.354	11.354	0.000	96	74985	20.0	23.1	
129 1,2-Dichlorobenzene	146	11.403	11.403	0.000	95	91588	20.0	19.0	
130 1,2,4,5-Tetramethylbenzene	119	12.005	12.005	0.000	98	130267	20.0	18.3	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	92	10702	20.0	18.0	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	96	71258	20.0	21.6	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	93	65844	20.0	19.6	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	95	16881	20.0	19.2	
135 Naphthalene	128	12.887	12.887	0.000	99	166795	20.0	17.3	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	94	63089	20.0	19.8	
S 137 1,2-Dichloroethene, Total	100				0		40.0	40.1	
S 138 Xylenes, Total	100				0		40.0	38.6	
S 139 Total BTEX	1				0		100.0	99.1	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00376	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00108	Amount Added: 4.00	Units: uL	
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21608.D

Injection Date: 10-Jul-2020 09:46:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: CCVIS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

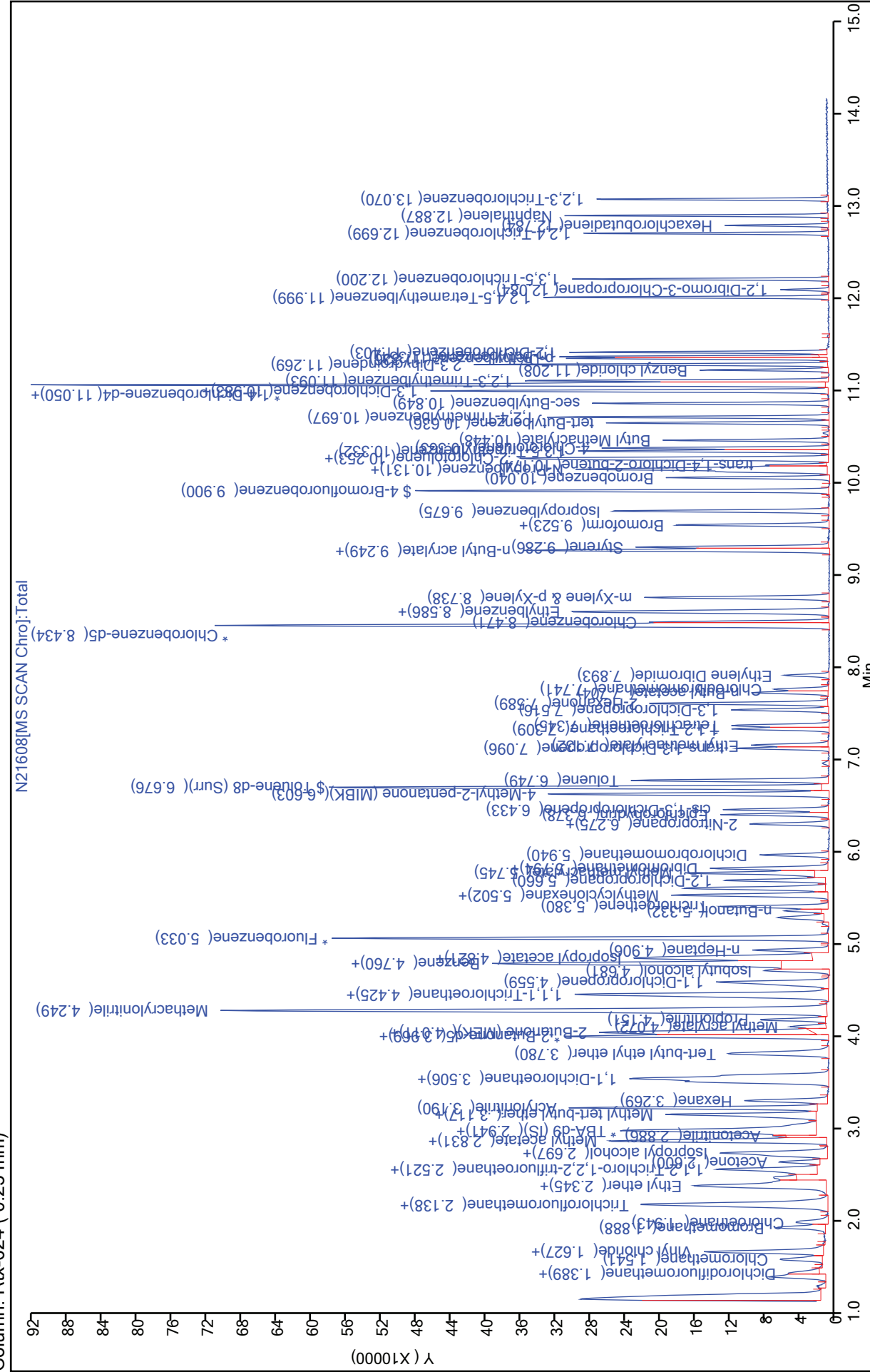
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21608.D

Injection Date: 10-Jul-2020 09:46:30

Instrument ID: CVOAMS11

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

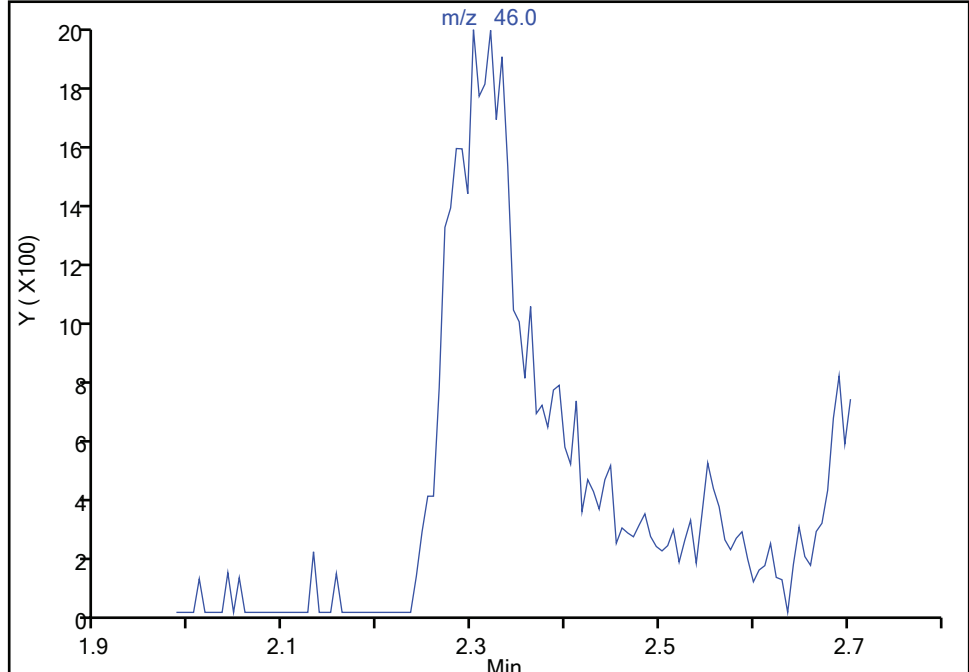
15 Ethanol, CAS: 64-17-5

Signal: 1

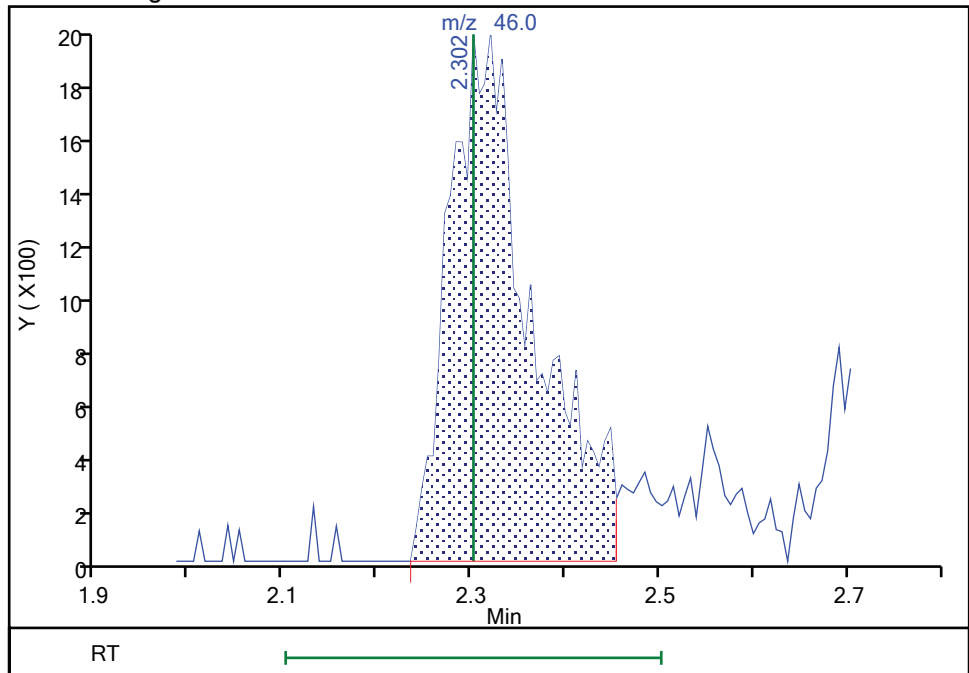
Not Detected

Expected RT: 2.30

Processing Integration Results



Manual Integration Results



Reviewer: sgroa, 10-Jul-2020 10:07:43

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21608.D

Injection Date: 10-Jul-2020 09:46:30

Instrument ID: CVOAMS11

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

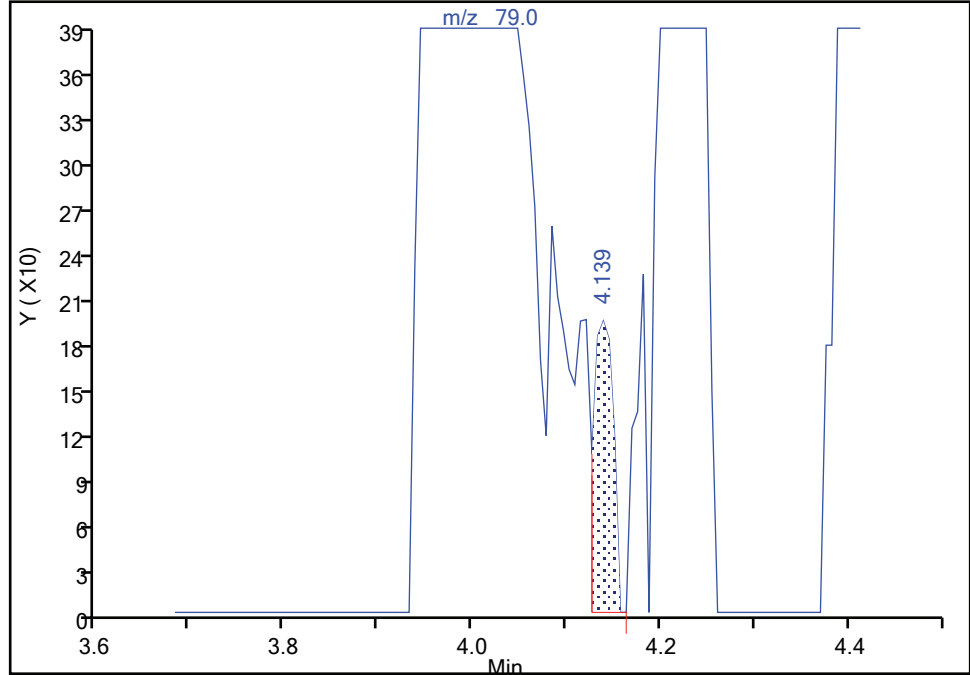
Detector: MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

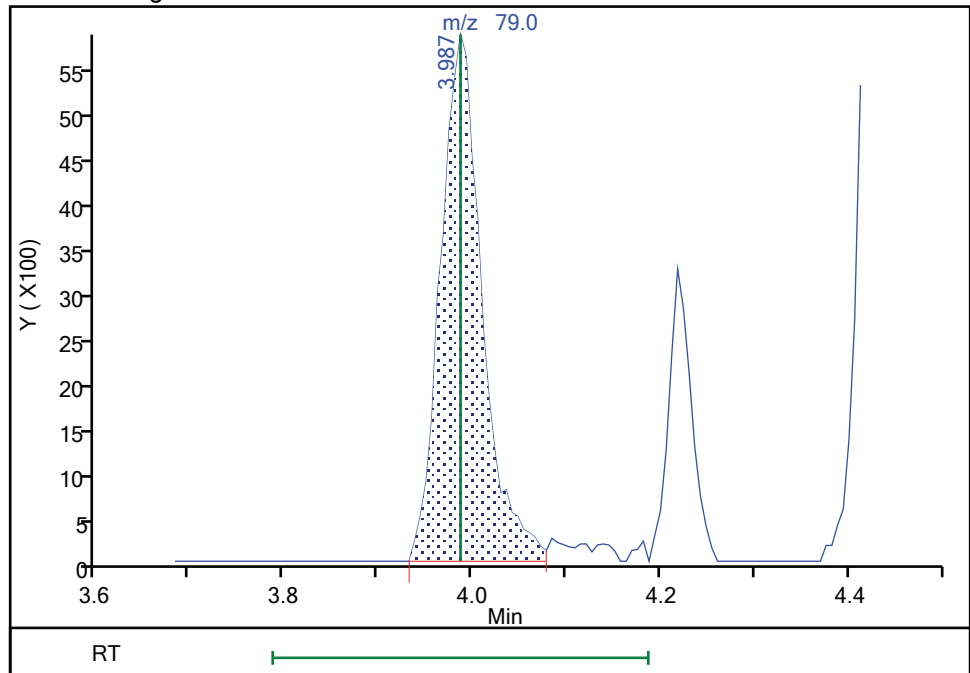
RT: 4.14
Area: 284
Amount: 0.294515
Amount Units: ug/l

Processing Integration Results



RT: 3.99
Area: 18055
Amount: 18.723466
Amount Units: ug/l

Manual Integration Results



Reviewer: sgroa, 10-Jul-2020 10:34:34

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21608.D

Injection Date: 10-Jul-2020 09:46:30

Instrument ID: CVOAMS11

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

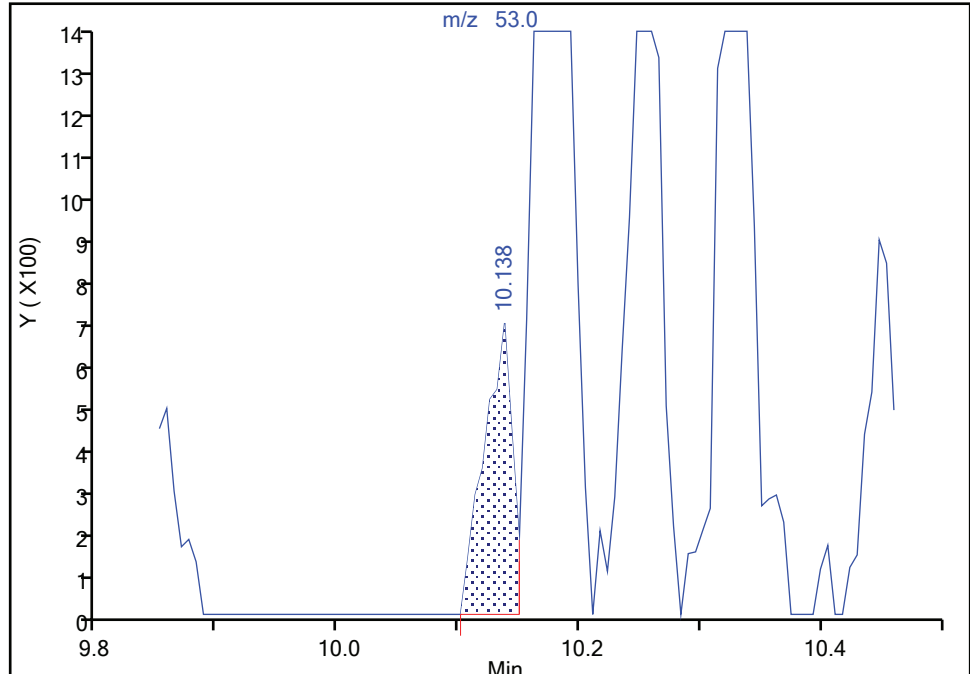
Detector: MS SCAN

111 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

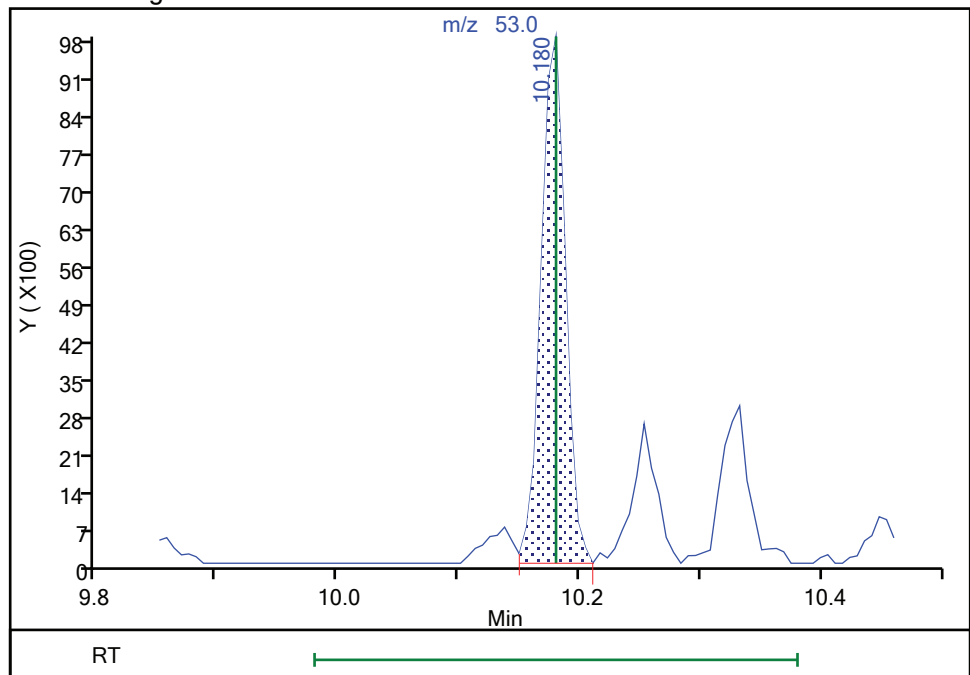
RT: 10.14
Area: 1109
Amount: 1.500906
Amount Units: ug/l

Processing Integration Results



RT: 10.18
Area: 13815
Amount: 18.697039
Amount Units: ug/l

Manual Integration Results



Reviewer: sgroa, 10-Jul-2020 10:34:08

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 460-707433/3 Calibration Date: 07/10/2020 20:57

Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15

Lab File ID: N21639.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	0.0913	0.0583*	0.1000	12.8	20.0	-36.1*	20.0
Chloromethane	Ave	1.184	0.8698	0.1000	14.7	20.0	-26.5*	20.0
Butadiene	Ave	0.3299	0.2843		17.2	20.0	-13.8	20.0
Vinyl chloride	Ave	0.4082	0.3469	0.1000	17.0	20.0	-15.0	20.0
Bromomethane	Ave	0.2734	0.2534	0.1000	18.5	20.0	-7.3	50.0
Chloroethane	Ave	0.2069	0.2146	0.1000	20.7	20.0	3.7	50.0
Dichlorofluoromethane	Ave	0.4705	0.4805		20.4	20.0	2.1	20.0
Trichlorofluoromethane	Ave	0.3210	0.2562	0.1000	16.0	20.0	-20.2*	20.0
Pentane	Ave	8.488	6.824		32.2	40.0	-19.6	20.0
Ethanol	Ave	0.3257	0.3527		866	800	8.3	50.0
Ethyl ether	Ave	0.1391	0.1370		19.7	20.0	-1.5	20.0
2-Methyl-1,3-butadiene	Ave	0.1860	0.1662		17.9	20.0	-10.7	20.0
Acrolein	Ave	8.570	7.653		35.7	40.0	-10.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1862	0.1578	0.1000	16.9	20.0	-15.3	20.0
1,1-Dichloroethene	Ave	0.1972	0.1792	0.1000	18.2	20.0	-9.1	20.0
Acetone	Ave	0.2119	0.1808	0.0500	85.3	100	-14.7	50.0
Iodomethane	Ave	0.4134	0.3785		18.3	20.0	-8.4	20.0
Isopropyl alcohol	Ave	3.545	3.856		218	200	8.8	50.0
Carbon disulfide	Ave	0.7594	0.7526	0.1000	19.8	20.0	-0.9	50.0
Allyl chloride	Ave	0.1318	0.1356		20.6	20.0	2.9	20.0
Methyl acetate	Ave	11.20	10.09	0.1000	36.0	40.0	-9.9	20.0
Cyclopentene	Ave	0.5016	0.4725		18.8	20.0	-5.8	20.0
Acetonitrile	Qua2		9.353		208	200	3.8	20.0
Methylene Chloride	Ave	0.2687	0.2749	0.1000	20.5	20.0	2.3	20.0
2-Methyl-2-propanol	Ave	5.910	5.566		188	200	-5.8	50.0
Methyl tertiary butyl ether	Ave	0.6081	0.5944	0.1000	19.5	20.0	-2.3	20.0
trans-1,2-Dichloroethene	Ave	0.2223	0.2175	0.1000	19.6	20.0	-2.2	20.0
Acrylonitrile	Ave	27.36	26.53		194	200	-3.0	20.0
Hexane	Ave	0.1083	0.1133		20.9	20.0	4.6	20.0
Isopropyl ether	Ave	0.7979	0.8318		20.8	20.0	4.2	20.0
1,1-Dichloroethane	Ave	0.4000	0.4253	0.2000	21.3	20.0	6.3	20.0
Vinyl acetate	Ave	0.3484	0.2635		30.3	40.0	-24.4*	20.0
2-Chloro-1,3-butadiene	Ave	0.1853	0.1697		18.3	20.0	-8.4	20.0
Tert-butyl ethyl ether	Ave	0.6495	0.6570		20.2	20.0	1.1	20.0
2,2-Dichloropropane	Ave	0.0965	0.0816		16.9	20.0	-15.4	20.0
cis-1,2-Dichloroethene	Ave	0.2465	0.2388	0.1000	19.4	20.0	-3.1	20.0
2-Butanone (MEK)	Ave	0.2386	0.2136	0.0500	89.5	100	-10.5	50.0
Ethyl acetate	Ave	0.2156	0.1780		33.0	40.0	-17.4	20.0
Methyl acrylate	Ave	0.2198	0.2418		22.0	20.0	10.0	20.0
Propionitrile	Ave	10.08	10.15		201	200	0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-707433/3 Calibration Date: 07/10/2020 20:57
 Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15
 Lab File ID: N21639.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
Tetrahydrofuran	Lin2		0.2286		36.0	40.0	-10.1	20.0
Chlorobromomethane	Ave	0.1252	0.1240		19.8	20.0	-0.9	20.0
Methacrylonitrile	Ave	0.1101	0.1167		212	200	6.0	20.0
Chloroform	Ave	0.3883	0.3638	0.2000	18.7	20.0	-6.3	20.0
Cyclohexane	Ave	0.2762	0.2537	0.1000	18.4	20.0	-8.1	50.0
1,1,1-Trichloroethane	Ave	0.2982	0.2520	0.1000	16.9	20.0	-15.5	20.0
Carbon tetrachloride	Ave	0.2300	0.1956	0.1000	17.0	20.0	-14.9	20.0
1,1-Dichloropropene	Ave	0.2659	0.2498		18.8	20.0	-6.1	20.0
Isobutyl alcohol	Ave	3.092	2.825		457	500	-8.6	50.0
2,2,4-Trimethylpentane	Ave	0.3710	0.3435		18.5	20.0	-7.4	20.0
Benzene	Ave	1.244	1.305	0.5000	21.0	20.0	4.8	20.0
Isopropyl acetate	Ave	0.7227	0.7517		20.8	20.0	4.0	20.0
Tert-amyl methyl ether	Ave	0.6371	0.6524		20.5	20.0	2.4	20.0
1,2-Dichloroethane	Ave	0.3068	0.2998	0.1000	19.5	20.0	-2.3	20.0
n-Heptane	Ave	0.0870	0.0937		21.5	20.0	7.7	20.0
n-Butanol	Ave	1.330	1.394		524	500	4.7	50.0
Trichloroethene	Ave	0.2101	0.1994*	0.2000	19.0	20.0	-5.1	20.0
Methylcyclohexane	Ave	0.2581	0.2363	0.1000	18.3	20.0	-8.5	50.0
Ethyl acrylate	Qua2		0.0280		20.0	20.0	0.0	20.0
1,2-Dichloropropane	Ave	0.2299	0.2520	0.1000	21.9	20.0	9.6	20.0
Methyl methacrylate	Ave	0.0566	0.0534		37.7	40.0	-5.7	20.0
1,4-Dioxane	Ave	0.9577	1.005		420	400	5.0	50.0
Dibromomethane	Ave	0.1460	0.1404		19.2	20.0	-3.9	20.0
n-Propyl acetate	Ave	0.3504	0.3900		22.3	20.0	11.3	20.0
Dichlorobromomethane	Ave	0.2621	0.2531	0.2000	19.3	20.0	-3.4	20.0
2-Nitropropane	Ave	14.10	12.72		36.1	40.0	-9.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1447	0.1382		19.1	20.0	-4.5	20.0
Epichlorohydrin	Ave	0.1818	0.1735		382	400	-4.6	20.0
cis-1,3-Dichloropropene	Ave	0.4571	0.4877	0.2000	21.3	20.0	6.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.946	1.778	0.0500	91.4	100	-8.6	50.0
Toluene	Ave	1.260	1.212	0.4000	19.2	20.0	-3.8	20.0
trans-1,3-Dichloropropene	Ave	0.4007	0.4081	0.1000	20.4	20.0	1.8	50.0
Ethyl methacrylate	Ave	0.2604	0.2426		18.6	20.0	-6.8	20.0
1,1,2-Trichloroethane	Ave	0.2435	0.2454	0.1000	20.2	20.0	0.8	20.0
Tetrachloroethene	Ave	0.2853	0.2512	0.2000	17.6	20.0	-12.0	20.0
1,3-Dichloropropane	Ave	0.4526	0.4828		21.3	20.0	6.7	20.0
2-Hexanone	Ave	0.6480	0.5821	0.0500	89.8	100	-10.2	50.0
n-Butyl acetate	Ave	0.4902	0.5481		22.4	20.0	11.8	20.0
Chlorodibromomethane	Ave	0.2504	0.2473	0.1000	19.8	20.0	-1.2	50.0
Ethylene Dibromide	Ave	0.2677	0.2667	0.1000	19.9	20.0	-0.4	20.0
Chlorobenzene	Ave	0.7852	0.7762	0.5000	19.8	20.0	-1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-707433/3 Calibration Date: 07/10/2020 20:57
 Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15
 Lab File ID: N21639.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
Ethylbenzene	Ave	0.4160	0.3682	0.1000	17.7	20.0	-11.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2721	0.2589		19.0	20.0	-4.9	20.0
m-Xylene & p-Xylene	Ave	0.5017	0.4562	0.1000	18.2	20.0	-9.1	20.0
n-Butyl acrylate	Ave	0.2144	0.1992		18.6	20.0	-7.1	20.0
o-Xylene	Ave	0.5227	0.4817	0.3000	18.4	20.0	-7.8	20.0
Styrene	Ave	0.8217	0.7853	0.3000	19.1	20.0	-4.4	20.0
Amyl acetate (mixed isomers)	Ave	0.9795	1.034		21.1	20.0	5.5	20.0
Bromoform	Ave	0.2971	0.2917	0.1000	19.6	20.0	-1.8	20.0
Isopropylbenzene	Ave	1.226	1.117	0.1000	18.2	20.0	-8.9	20.0
Bromobenzene	Ave	0.6357	0.5827		18.3	20.0	-8.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7131	0.7614	0.3000	21.4	20.0	6.8	20.0
N-Propylbenzene	Ave	2.576	2.421		18.8	20.0	-6.0	20.0
1,2,3-Trichloropropane	Ave	0.2056	0.1985		19.3	20.0	-3.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1916	0.1696		17.7	20.0	-11.4	20.0
2-Chlorotoluene	Ave	1.903	1.830		19.2	20.0	-3.9	20.0
4-Ethyltoluene	Ave	2.131	2.005		18.8	20.0	-5.9	20.0
1,3,5-Trimethylbenzene	Ave	1.866	1.763		18.9	20.0	-5.5	20.0
4-Chlorotoluene	Ave	1.722	1.683		19.5	20.0	-2.3	20.0
Butyl Methacrylate	Qua2		0.5447		18.0	20.0	-10.1	20.0
tert-Butylbenzene	Ave	1.398	1.271		18.2	20.0	-9.1	20.0
1,2,4-Trimethylbenzene	Ave	2.010	1.861		18.5	20.0	-7.4	20.0
sec-Butylbenzene	Ave	1.979	1.906		19.3	20.0	-3.7	20.0
1,3-Dichlorobenzene	Ave	1.154	1.127	0.6000	19.5	20.0	-2.3	20.0
4-Isopropyltoluene	Ave	1.750	1.619		18.5	20.0	-7.5	20.0
1,4-Dichlorobenzene	Ave	1.205	1.175	0.5000	19.5	20.0	-2.4	20.0
1,2,3-Trimethylbenzene	Ave	2.170	2.079		19.2	20.0	-4.2	20.0
Benzyl chloride	Ave	0.2170	0.2109		19.4	20.0	-2.8	50.0
Indan	Ave	2.170	2.103		19.4	20.0	-3.1	20.0
p-Diethylbenzene	Ave	0.9127	0.9054		19.8	20.0	-0.8	20.0
n-Butylbenzene	Ave	0.8422	0.8873		21.1	20.0	5.4	20.0
1,2-Dichlorobenzene	Ave	1.247	1.204	0.4000	19.3	20.0	-3.5	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.844	1.623		17.6	20.0	-12.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1538	0.1506	0.0500	19.6	20.0	-2.1	50.0
1,3,5-Trichlorobenzene	Ave	0.8534	0.8705		20.4	20.0	2.0	20.0
1,2,4-Trichlorobenzene	Ave	0.8712	0.8365	0.2000	19.2	20.0	-4.0	20.0
Hexachlorobutadiene	Ave	0.2282	0.1919		16.8	20.0	-15.9	20.0
Naphthalene	Ave	2.499	2.261		18.1	20.0	-9.5	50.0
1,2,3-Trichlorobenzene	Ave	0.8262	0.8051		19.5	20.0	-2.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2279	0.2126		46.6	50.0	-6.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2763	0.2492		45.1	50.0	-9.8	20.0
Toluene-d8 (Surr)	Ave	1.200	1.230		51.3	50.0	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
SDG No.: _____
Lab Sample ID: CCVIS 460-707433/3 Calibration Date: 07/10/2020 20:57
Instrument ID: CVOAMS11 Calib Start Date: 05/13/2020 14:57
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 05/13/2020 17:15
Lab File ID: N21639.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
4-Bromofluorobenzene	Ave	0.3745	0.3763		50.2	50.0	0.5	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21639.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 10-Jul-2020 20:57:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0113046-003
 Operator ID: Instrument ID: CVOAMS11
 Sublist: chrom-8260W_11*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:24:36 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: asfawa

Date: 13-Jul-2020 10:17:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	87	1.395	1.395	0.000	99	11306	20.0	12.8	
7 Chloromethane	52	1.548	1.548	0.000	99	26559	20.0	14.7	
8 Vinyl chloride	62	1.633	1.633	0.000	92	67270	20.0	17.0	
9 Butadiene	54	1.633	1.633	0.000	96	55132	20.0	17.2	
10 Bromomethane	94	1.900	1.900	0.000	99	49143	20.0	18.5	
11 Chloroethane	64	1.955	1.955	0.000	100	41611	20.0	20.7	
12 Dichlorofluoromethane	67	2.125	2.125	0.000	98	93191	20.0	20.4	
13 Trichlorofluoromethane	101	2.125	2.125	0.000	94	49681	20.0	16.0	
14 Pentane	72	2.162	2.162	0.000	97	12225	40.0	32.2	
15 Ethanol	46	2.332	2.332	0.000	96	12638	800.0	866.3	
16 Ethyl ether	74	2.332	2.332	0.000	94	26573	20.0	19.7	
17 2-Methyl-1,3-butadiene	53	2.351	2.351	0.000	97	32239	20.0	17.9	
20 Acrolein	56	2.497	2.497	0.000	92	13710	40.0	35.7	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.521	2.521	0.000	94	30606	20.0	16.9	
22 1,1-Dichloroethene	96	2.527	2.527	0.000	96	34763	20.0	18.2	
23 Acetone	58	2.606	2.606	0.000	87	27604	100.0	85.3	
24 Iodomethane	142	2.679	2.679	0.000	96	73407	20.0	18.3	
25 Isopropyl alcohol	45	2.691	2.691	0.000	99	34535	200.0	217.5	
26 Carbon disulfide	76	2.709	2.709	0.000	100	145969	20.0	19.8	
27 3-Chloro-1-propene	76	2.831	2.831	0.000	97	26300	20.0	20.6	
28 Methyl acetate	74	2.837	2.837	0.000	99	18069	40.0	36.0	
29 Cyclopentene	67	2.849	2.849	0.000	94	91637	20.0	18.8	
30 Acetonitrile	41	2.892	2.892	0.000	99	83778	200.0	207.5	
* 31 TBA-d9 (IS)	66	2.947	2.947	0.000	91	44785	1000.0	1000.0	
32 Methylene Chloride	84	2.953	2.953	0.000	98	53309	20.0	20.5	
33 2-Methyl-2-propanol	59	3.014	3.014	0.000	97	49855	200.0	188.4	
34 Methyl tert-butyl ether	73	3.105	3.105	0.000	97	115275	20.0	19.5	
35 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	98	42179	20.0	19.6	
36 Acrylonitrile	53	3.196	3.196	0.000	94	237608	200.0	193.9	
37 Hexane	56	3.275	3.275	0.000	95	21972	20.0	20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Isopropyl ether	45	3.476	3.476	0.000	95	161317	20.0	20.8	
39 1,1-Dichloroethane	63	3.506	3.506	0.000	100	82486	20.0	21.3	
40 Vinyl acetate	86	3.519	3.519	0.000	100	16091	40.0	30.3	
41 2-Chloro-1,3-butadiene	88	3.549	3.549	0.000	93	32909	20.0	18.3	
42 Tert-butyl ethyl ether	59	3.786	3.786	0.000	88	127412	20.0	20.2	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	98	381683	250.0	250.0	
44 2,2-Dichloropropane	79	3.993	3.993	0.000	92	15827	20.0	16.9	a
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	93	46313	20.0	19.4	
46 2-Butanone (MEK)	72	4.024	4.024	0.000	97	32610	100.0	89.5	
47 Ethyl acetate	70	4.030	4.030	0.000	96	10868	40.0	33.0	
48 Methyl acrylate	55	4.078	4.078	0.000	99	46894	20.0	22.0	
49 Propionitrile	54	4.151	4.151	0.000	99	90908	200.0	201.4	
50 Tetrahydrofuran	72	4.218	4.218	0.000	82	13960	40.0	36.0	
51 Chlorobromomethane	128	4.224	4.224	0.000	94	24055	20.0	19.8	
52 Methacrylonitrile	67	4.249	4.249	0.000	94	226362	200.0	212.1	
53 Chloroform	83	4.279	4.279	0.000	97	70563	20.0	18.7	
54 Cyclohexane	84	4.413	4.413	0.000	95	49206	20.0	18.4	
55 1,1,1-Trichloroethane	97	4.425	4.425	0.000	96	48874	20.0	16.9	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.431	0.000	97	103100	50.0	46.6	
57 Carbon tetrachloride	117	4.535	4.535	0.000	96	37941	20.0	17.0	
58 1,1-Dichloropropene	75	4.565	4.565	0.000	96	48453	20.0	18.8	
59 Isobutyl alcohol	43	4.687	4.687	0.000	96	63249	500.0	456.8	
60 Isooctane	57	4.729	4.729	0.000	94	66616	20.0	18.5	
61 Benzene	78	4.754	4.754	0.000	98	174120	20.0	21.0	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.772	0.000	97	120841	50.0	45.1	
64 Isopropyl acetate	43	4.814	4.814	0.000	93	145788	20.0	20.8	
63 Tert-amyl methyl ether	73	4.820	4.820	0.000	77	126534	20.0	20.5	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	94	58152	20.0	19.5	
66 n-Heptane	57	4.912	4.912	0.000	96	18165	20.0	21.5	
* 67 Fluorobenzene	96	5.039	5.039	0.000	98	484863	50.0	50.0	
68 n-Butanol	56	5.338	5.338	0.000	95	31205	500.0	523.7	
69 Trichloroethene	95	5.380	5.380	0.000	98	38663	20.0	19.0	
71 Methylcyclohexane	83	5.502	5.502	0.000	75	45821	20.0	18.3	
70 Ethyl acrylate	99	5.508	5.508	0.000	97	5425	20.0	20.0	
72 1,2-Dichloropropane	63	5.666	5.666	0.000	92	48871	20.0	21.9	
* 73 1,4-Dioxane-d8	96	5.721	5.721	0.000	86	30393	1000.0	1000.0	
74 Methyl methacrylate	100	5.751	5.751	0.000	94	20701	40.0	37.7	
75 1,4-Dioxane	88	5.776	5.776	0.000	89	12224	400.0	420.0	
76 Dibromomethane	93	5.788	5.788	0.000	97	27233	20.0	19.2	
77 n-Propyl acetate	43	5.806	5.806	0.000	99	75644	20.0	22.3	
78 Dichlorobromomethane	83	5.940	5.940	0.000	98	49095	20.0	19.3	
79 2-Nitropropane	41	6.274	6.274	0.000	82	22784	40.0	36.1	
80 2-Chloroethyl vinyl ether	63	6.281	6.281	0.000	75	26858	20.0	19.1	
81 Epichlorohydrin	57	6.384	6.384	0.000	100	105953	400.0	381.7	
82 cis-1,3-Dichloropropene	75	6.439	6.439	0.000	94	65092	20.0	21.3	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.603	0.000	98	271505	100.0	91.4	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	410545	50.0	51.3	
85 Toluene	91	6.749	6.749	0.000	94	161772	20.0	19.2	
86 trans-1,3-Dichloropropene	75	7.102	7.102	0.000	94	54460	20.0	20.4	
87 Ethyl methacrylate	69	7.138	7.138	0.000	95	47041	20.0	18.6	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	95	32755	20.0	20.2	
89 Tetrachloroethene	166	7.345	7.345	0.000	95	33520	20.0	17.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 1,3-Dichloropropane	76	7.515	7.515	0.000	96	64438	20.0	21.3	
91 2-Hexanone	58	7.588	7.588	0.000	98	88876	100.0	89.8	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	73148	20.0	22.4	
93 Chlorodibromomethane	129	7.747	7.747	0.000	97	32999	20.0	19.8	
94 Ethylene Dibromide	107	7.893	7.893	0.000	99	35589	20.0	19.9	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	89	333657	50.0	50.0	
96 Chlorobenzene	112	8.477	8.477	0.000	94	103589	20.0	19.8	
97 Ethylbenzene	106	8.580	8.580	0.000	99	49137	20.0	17.7	
98 1,1,1,2-Tetrachloroethane	131	8.592	8.592	0.000	95	34547	20.0	19.0	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	60883	20.0	18.2	
101 n-Butyl acrylate	73	9.249	9.249	0.000	94	26586	20.0	18.6	
100 o-Xylene	106	9.249	9.249	0.000	93	64287	20.0	18.4	
102 Styrene	104	9.286	9.286	0.000	94	104812	20.0	19.1	
104 Bromoform	173	9.529	9.529	0.000	94	21647	20.0	19.6	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	90	76717	20.0	21.1	
105 Isopropylbenzene	105	9.681	9.681	0.000	97	149088	20.0	18.2	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	125562	50.0	50.2	
107 Bromobenzene	156	10.040	10.040	0.000	97	43243	20.0	18.3	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	56503	20.0	21.4	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	179673	20.0	18.8	
110 1,2,3-Trichloropropane	110	10.150	10.150	0.000	98	14729	20.0	19.3	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	82	12589	20.0	17.7	
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	135803	20.0	19.2	
113 4-Ethyltoluene	105	10.259	10.259	0.000	97	148782	20.0	18.8	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	130840	20.0	18.9	
115 4-Chlorotoluene	91	10.363	10.363	0.000	98	124905	20.0	19.5	
116 Butyl Methacrylate	87	10.448	10.448	0.000	95	40420	20.0	18.0	
117 tert-Butylbenzene	119	10.636	10.636	0.000	93	94341	20.0	18.2	
118 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	98	138141	20.0	18.5	
119 sec-Butylbenzene	105	10.849	10.849	0.000	98	141418	20.0	19.3	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	83668	20.0	19.5	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	120175	20.0	18.5	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	185525	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.068	0.000	96	87215	20.0	19.5	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	98	154315	20.0	19.2	
125 Benzyl chloride	126	11.214	11.214	0.000	99	15649	20.0	19.4	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	95	156098	20.0	19.4	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	67189	20.0	19.8	
128 n-Butylbenzene	92	11.360	11.360	0.000	97	65847	20.0	21.1	
129 1,2-Dichlorobenzene	146	11.403	11.403	0.000	95	89342	20.0	19.3	
130 1,2,4,5-Tetramethylbenzene	119	11.999	11.999	0.000	98	120438	20.0	17.6	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	93	11176	20.0	19.6	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	96	64596	20.0	20.4	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	94	62073	20.0	19.2	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	95	14242	20.0	16.8	
135 Naphthalene	128	12.887	12.887	0.000	99	167821	20.0	18.1	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	94	59746	20.0	19.5	
S 137 1,2-Dichloroethene, Total	100				0		40.0	38.9	
S 138 Xylenes, Total	100				0		40.0	36.6	
S 139 Total BTEX	1				0		100.0	94.5	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00376	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00108	Amount Added: 4.00	Units: uL	
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21639.D

Injection Date: 10-Jul-2020 20:57:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

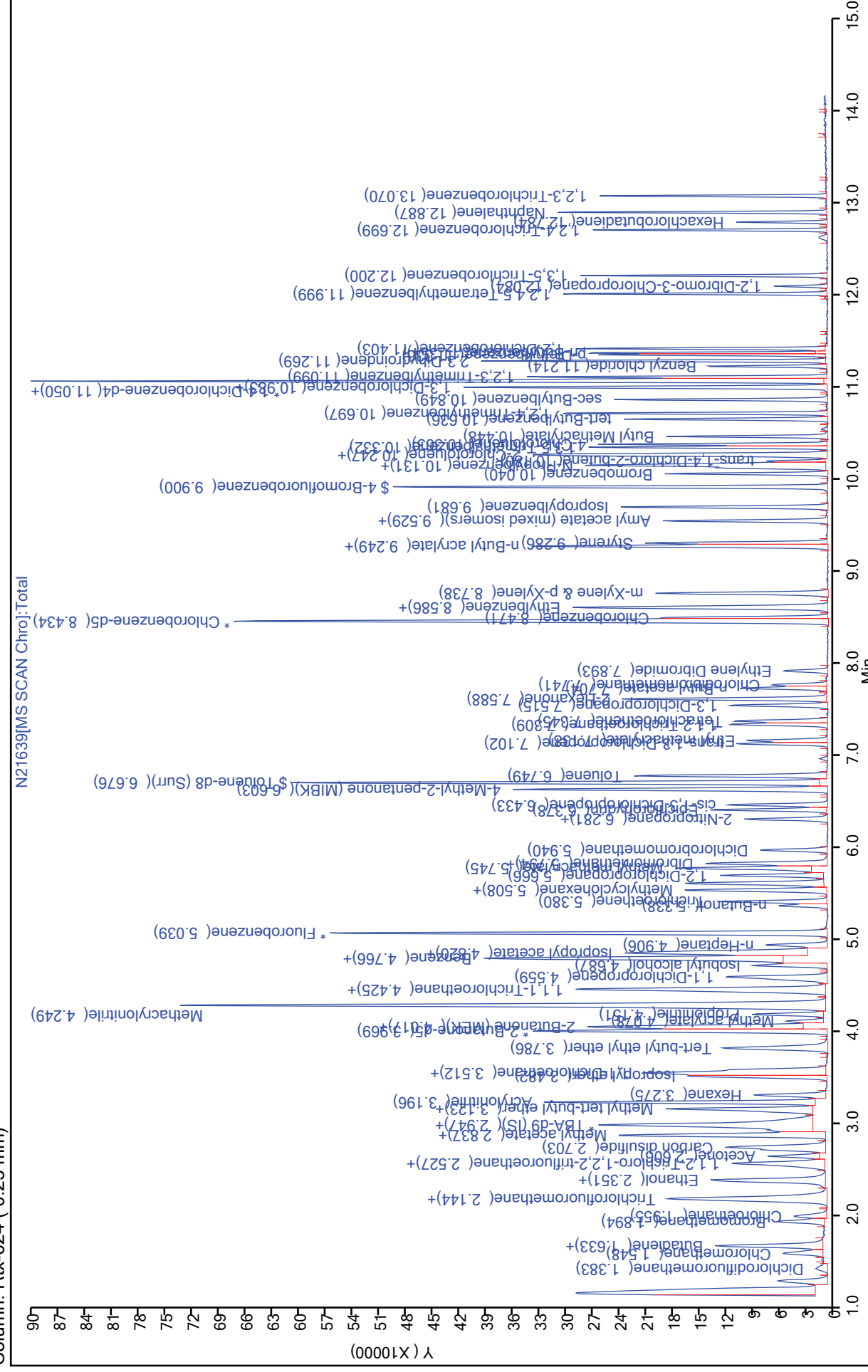
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21639.D

Injection Date: 10-Jul-2020 20:57:30

Instrument ID: CVOAMS11

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

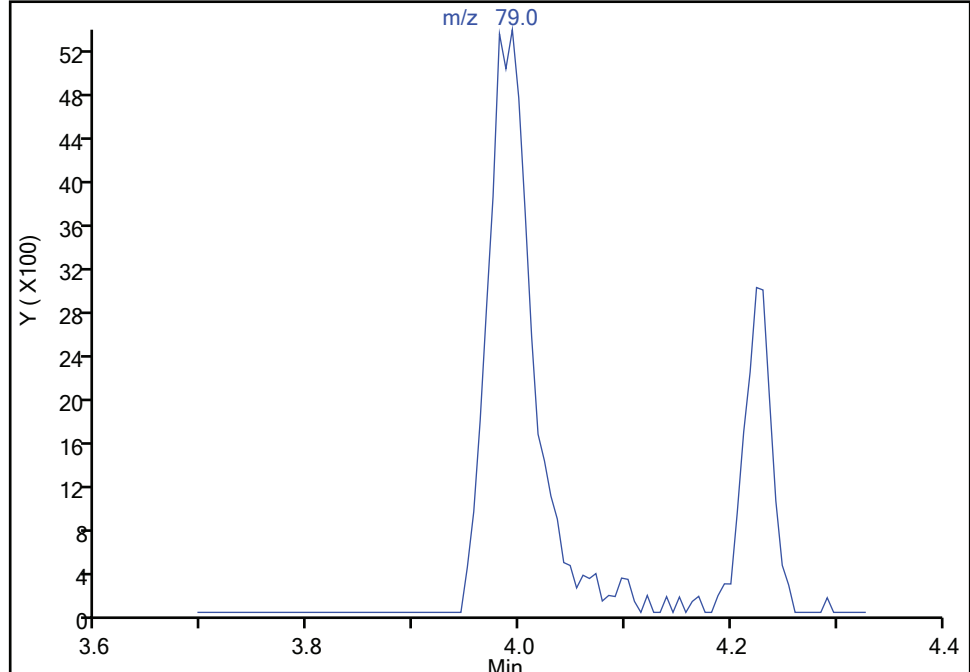
44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

Not Detected

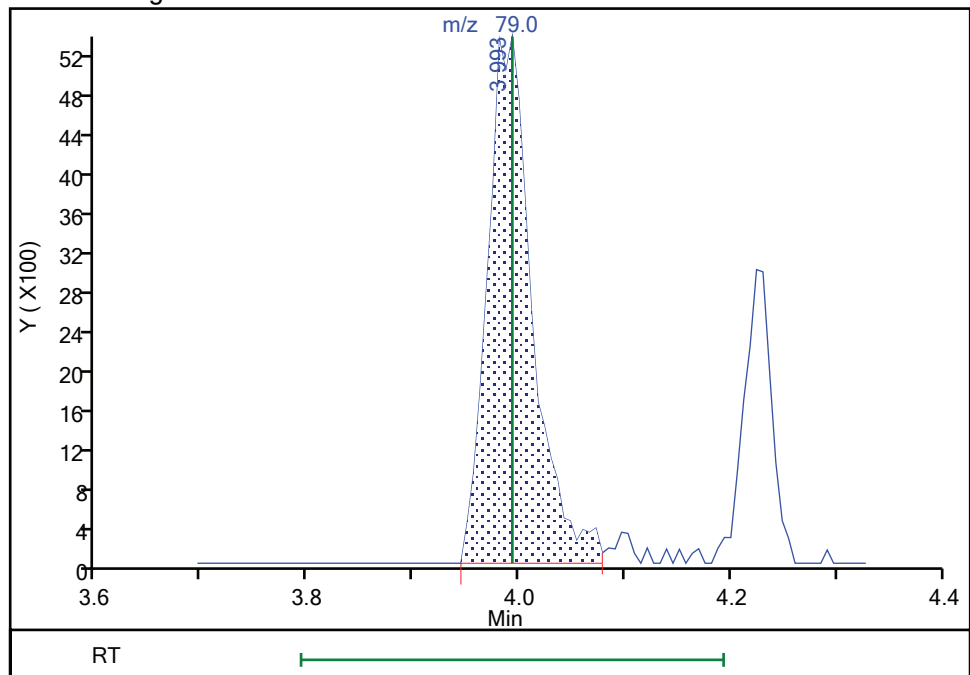
Expected RT: 3.99

Processing Integration Results



RT: 3.99
Area: 15827
Amount: 16.914104
Amount Units: ug/l

Manual Integration Results



Reviewer: asfawa, 13-Jul-2020 10:16:12

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Jun-2020 01:12:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0111447-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Jun-2020 08:09:02 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1066

First Level Reviewer: moroneyc

Date: 11-Jun-2020 08:09:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 139 BFB	95	2.946	2.946	0.000	88	45444	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00025

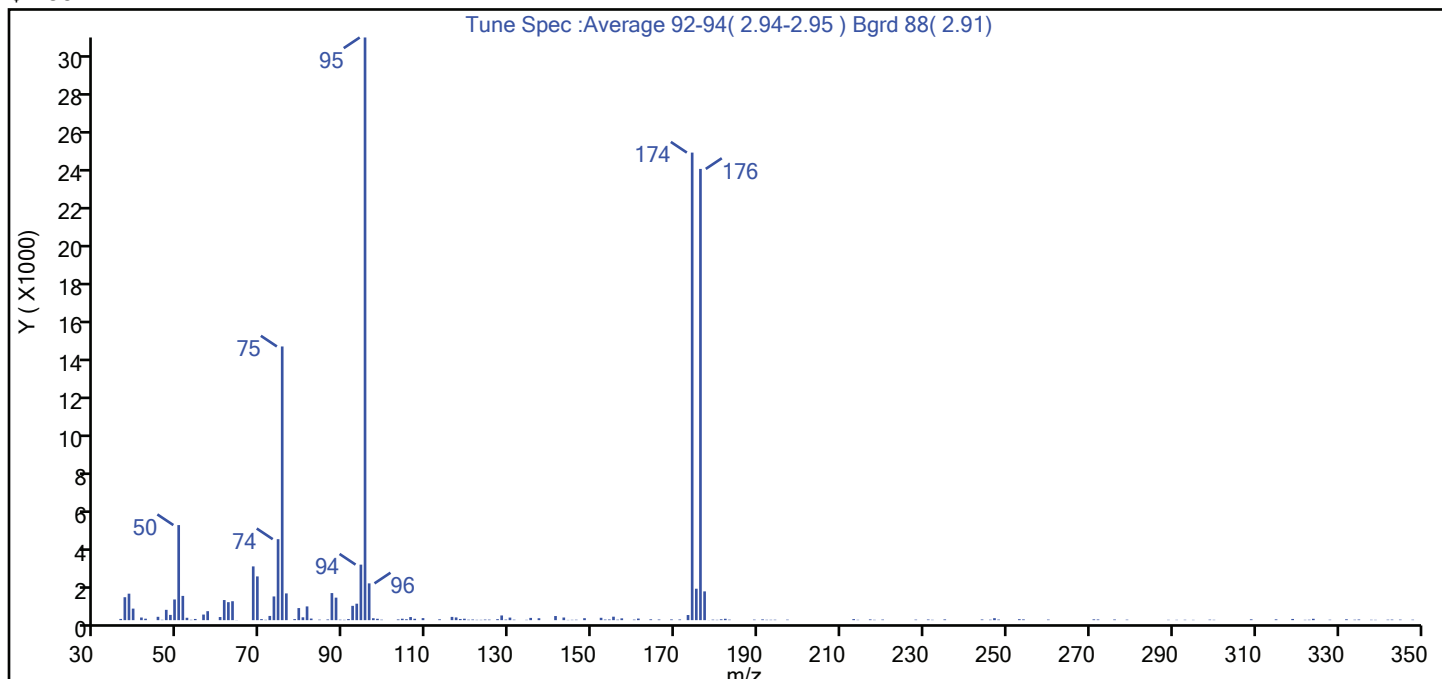
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D
Injection Date: 11-Jun-2020 01:12:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 99 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

\$ 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	16.3
75	30 to 60% of m/z 95	47.0
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	80.2
175	5 to 9% of m/z 174	5.4 (6.7)
176	Greater than 95% but less than 101% of m/z 174	77.4 (96.5)
177	5 to 9% of m/z 176	4.9 (6.4)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D\8260624W_1.rslt\spectra.d
Injection Date: 11-Jun-2020 01:12:30
Spectrum: Tune Spec :Average 92-94(2.94-2.95) Bgrd 88(2.91)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	65	86.00	37	141.00	218	220.00	31
37.00	1214	87.00	1433	143.00	139	228.00	28
38.00	1402	88.00	1192	144.00	12	231.00	35
39.00	611	89.00	24	145.00	18	232.00	19
41.00	139	90.00	17	146.00	23	235.00	40
42.00	77	91.00	57	148.00	103	244.00	36
45.00	177	92.00	758	152.00	125	246.00	24
46.00	19	93.00	871	153.00	31	247.00	104
47.00	546	94.00	2940	154.00	36	248.00	31
48.00	278	95.00	30856	155.00	183	253.00	50
49.00	1095	96.00	1947	156.00	25	254.00	40
50.00	5034	97.00	101	157.00	95	260.00	31
51.00	1284	98.00	72	160.00	28	271.00	43
52.00	126	99.00	24	161.00	84	272.00	37
53.00	19	103.00	38	164.00	44	276.00	36
54.00	63	104.00	75	166.00	34	279.00	26
56.00	296	105.00	48	169.00	39	289.00	18
57.00	475	106.00	164	171.00	36	291.00	18
60.00	165	107.00	73	173.00	271	293.00	21
61.00	1064	109.00	107	174.00	24760	295.00	16
62.00	952	113.00	45	175.00	1664	299.00	27
63.00	1002	116.00	172	176.00	23896	300.00	18
64.00	7	117.00	144	177.00	1523	309.00	43
68.00	2846	118.00	62	178.00	4	315.00	43
69.00	2316	119.00	76	179.00	26	319.00	63
70.00	54	120.00	24	180.00	17	322.00	17
71.00	18	121.00	34	181.00	45	323.00	22
72.00	223	122.00	18	182.00	73	324.00	72
73.00	1255	123.00	17	183.00	26	328.00	23
74.00	4288	124.00	31	189.00	28	332.00	46
75.00	14493	125.00	28	191.00	40	334.00	23
76.00	1416	127.00	52	192.00	20	335.00	35
77.00	1	128.00	248	193.00	20	338.00	20

Report Date: 11-Jun-2020 08:09:02

Chrom Revision: 2.3 10-Jun-2020 22:46:48

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D\8260624W_1.rslt\spectra.d

Injection Date: 11-Jun-2020 01:12:30

Spectrum: Tune Spec :Average 92-94(2.94-2.95) Bgrd 88(2.91)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	54	129.00	30	194.00	23	339.00	17
79.00	639	130.00	135	197.00	27	342.00	25
80.00	150	131.00	24	213.00	55	343.00	30
81.00	727	134.00	17	214.00	18	345.00	28
82.00	84	135.00	119	217.00	40	348.00	25
84.00	26	137.00	101	218.00	18		

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D

Injection Date: 11-Jun-2020 01:12:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

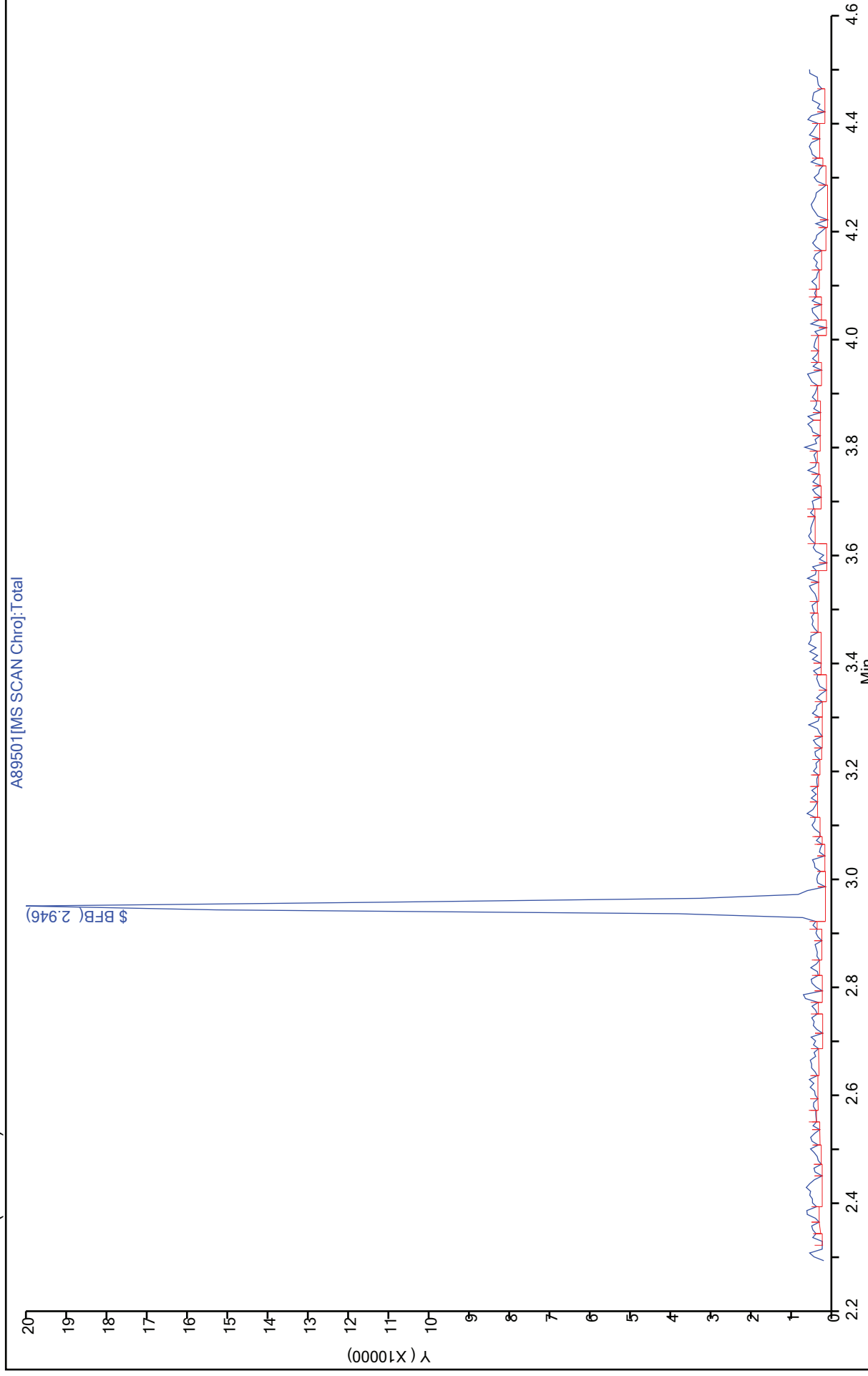
Dil. Factor: 1.0000

ALS Bottle#: 99

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91141.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-Jul-2020 21:58:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0113190-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 14-Jul-2020 13:51:16 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: starzecm

Date: 14-Jul-2020 13:51:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 139 BFB	95	2.953	2.953	0.000	82	32345	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00026

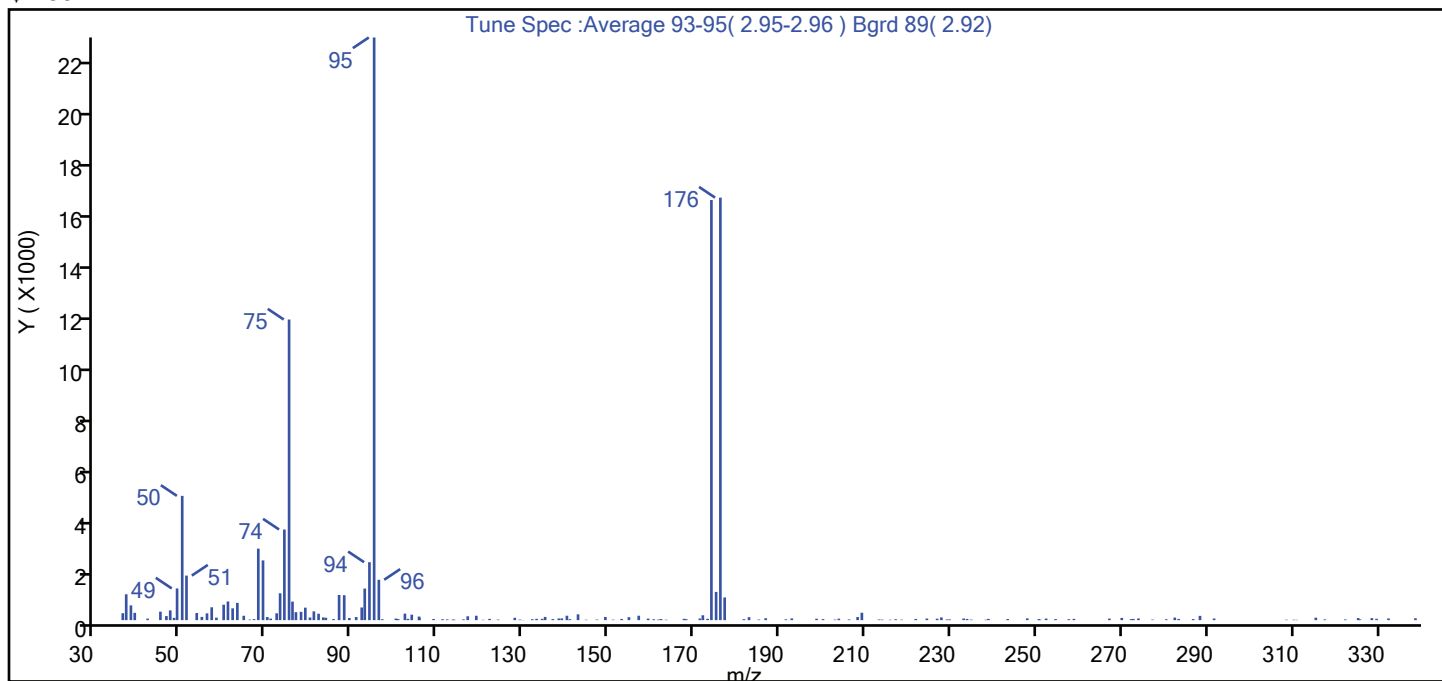
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91141.D
Injection Date: 13-Jul-2020 21:58:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 99 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

\$ 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	21.3
75	30 to 60% of m/z 95	51.6
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.2 (0.3)
174	50 to 120% of m/z 95	72.1
175	5 to 9% of m/z 174	4.8 (6.7)
176	Greater than 95% but less than 101% of m/z 174	72.5 (100.6)
177	5 to 9% of m/z 176	3.9 (5.4)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91141.D\8260624W_1.rslt\spectra.d
Injection Date: 13-Jul-2020 21:58:30
Spectrum: Tune Spec :Average 93-95(2.95-2.96) Bgrd 89(2.92)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	264	87.00	957	147.00	22	229.00	26
37.00	983	88.00	948	149.00	121	230.00	29
38.00	561	89.00	80	151.00	19	233.00	62
39.00	278	91.00	119	153.00	46	234.00	47
42.00	58	92.00	482	155.00	113	235.00	21
45.00	322	93.00	1201	157.00	169	238.00	17
46.00	155	94.00	2203	159.00	59	239.00	48
47.00	371	95.00	22152	160.00	34	243.00	42
48.00	87	96.00	1535	162.00	22	248.00	67
49.00	1205	97.00	34	162.00	43	251.00	40
50.00	4725	100.00	61	163.00	17	251.00	18
51.00	1694	101.00	43	168.00	51	252.00	61
54.00	273	102.00	248	168.00	38	254.00	40
55.00	124	103.00	50	171.00	63	258.00	35
56.00	259	104.00	208	172.00	186	259.00	48
57.00	489	106.00	137	173.00	52	267.00	59
58.00	94	106.00	88	174.00	15973	270.00	85
60.00	587	109.00	44	175.00	1074	272.00	38
61.00	710	111.00	34	176.00	16064	273.00	46
62.00	448	112.00	29	177.00	863	274.00	64
63.00	657	114.00	19	182.00	39	277.00	21
65.00	166	114.00	20	183.00	113	280.00	34
66.00	21	116.00	30	185.00	23	282.00	96
67.00	38	117.00	147	187.00	73	283.00	47
68.00	2719	119.00	168	191.00	30	287.00	42
69.00	2271	121.00	14	193.00	67	288.00	162
70.00	119	122.00	49	199.00	54	292.00	62
71.00	61	124.00	21	200.00	38	308.00	18
72.00	260	128.00	89	203.00	20	310.00	17
73.00	1021	129.00	22	204.00	55	311.00	13
74.00	3446	130.00	6	206.00	27	315.00	94
75.00	11429	132.00	35	208.00	118	318.00	29
76.00	705	133.00	50	209.00	282	322.00	28

Report Date: 14-Jul-2020 13:51:17

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91141.D\8260624W_1.rslt\spectra.d

Injection Date: 13-Jul-2020 21:58:30

Spectrum: Tune Spec :Average 93-95(2.95-2.96) Bgrd 89(2.92)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	303	134.00	48	213.00	25	325.00	79
78.00	316	135.00	123	214.00	21	326.00	30
79.00	475	137.00	40	216.00	17	328.00	78
80.00	101	138.00	64	217.00	33	330.00	51
81.00	334	139.00	67	218.00	17	332.00	64
82.00	243	140.00	168	222.00	44	339.00	72
83.00	103	141.00	37	224.00	61		
84.00	91	143.00	221	227.00	55		
86.00	41	145.00	17	228.00	103		

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91141.D

Injection Date: 13-Jul-2020 21:58:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

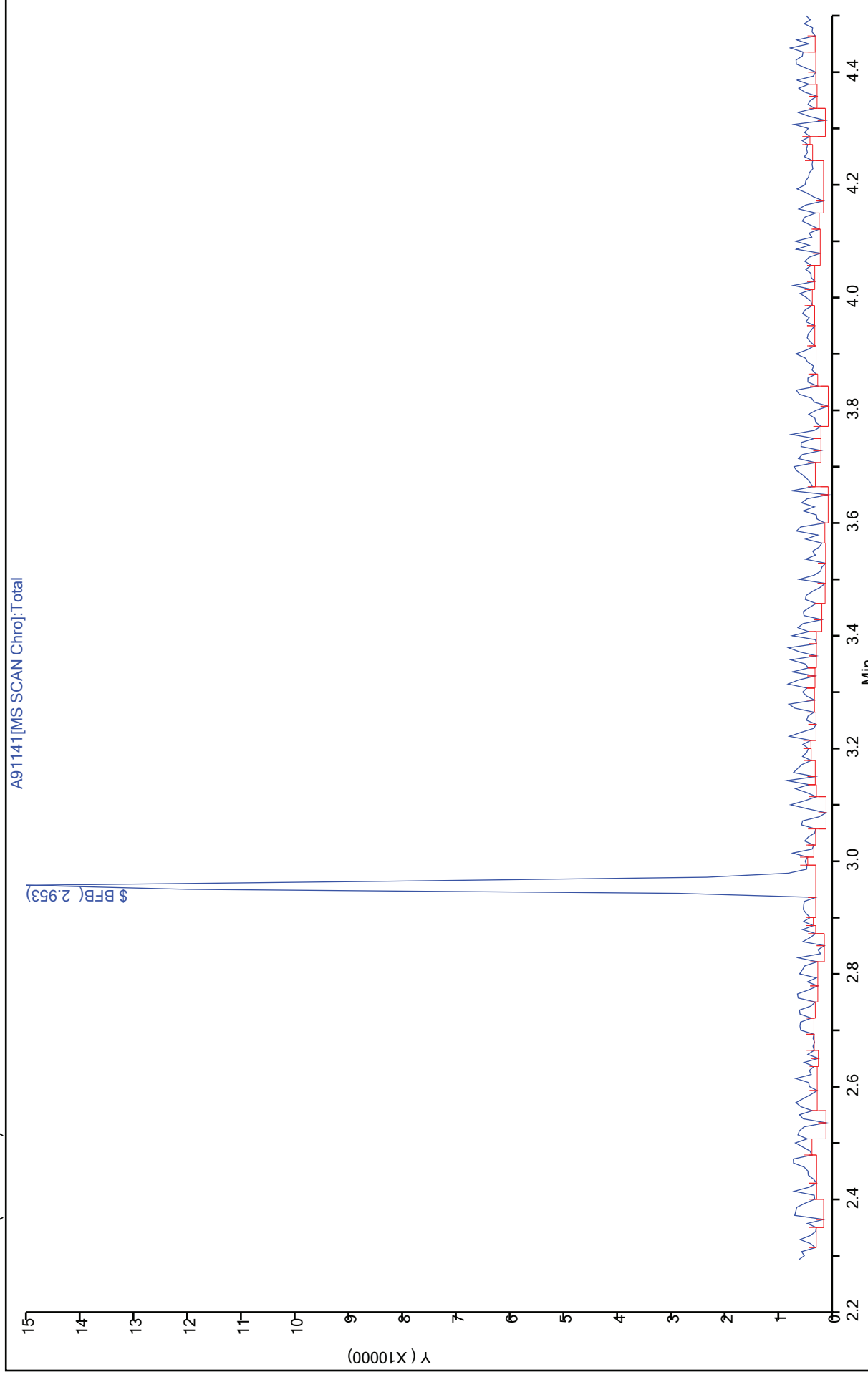
Dil. Factor: 1.0000

ALS Bottle#: 99

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N18999.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 13-May-2020 14:11:30 ALS Bottle#: 99 Worklist Smp#: 1
 Injection Vol: 5.0 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 460-0110045-001
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-May-2020 08:45:03 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: starzecm

Date: 13-May-2020 14:21:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 140 BFB	95	3.194	3.194	0.000	88	54491	NR	NR	a

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

a - User Assigned ID

Reagents:

BFB_00025

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N18999.D

Injection Date: 13-May-2020 14:11:30

Instrument ID: CVOAMS11

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

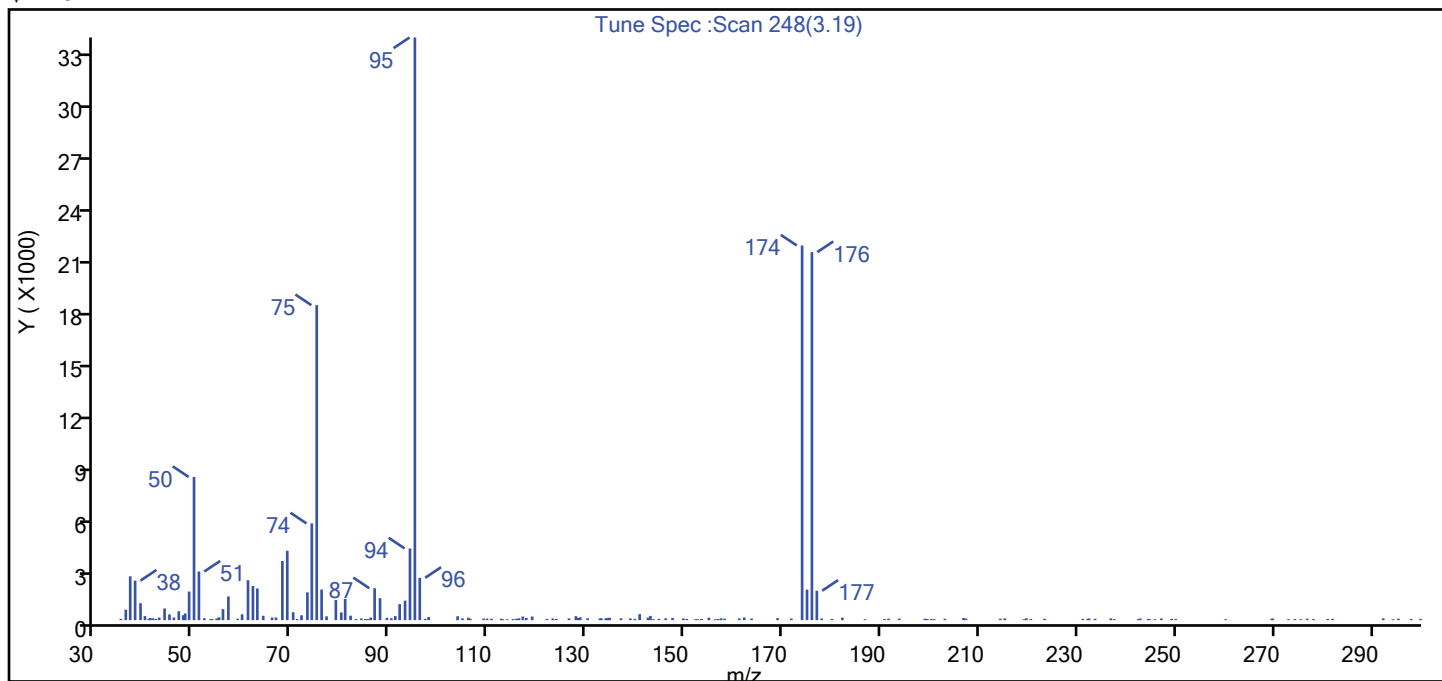
Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.6
75	30 to 60% of m/z 95	54.1
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	64.3
175	5 to 9% of m/z 174	5.2 (8.1)
176	Greater than 95% but less than 101% of m/z 174	63.2 (98.2)
177	5 to 9% of m/z 176	5.0 (8.0)

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N18999.D\8260W_11.rslt\spectra.d
Injection Date: 13-May-2020 14:11:30
Spectrum: Tune Spec :Scan 248(3.19)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	75	77.00	214	129.00	164	199.00	79
36.00	594	79.00	1142	130.00	107	199.00	67
37.00	2491	80.00	436	133.00	98	200.00	62
38.00	2246	81.00	1210	133.00	104	201.00	57
39.00	965	82.00	253	134.00	102	203.00	76
40.00	228	83.00	64	134.00	110	207.00	124
41.00	77	84.00	97	134.00	128	207.00	86
41.00	119	85.00	64	135.00	130	214.00	82
42.00	105	85.00	67	137.00	108	215.00	103
42.00	71	86.00	148	139.00	97	219.00	51
43.00	145	87.00	1813	140.00	75	220.00	106
44.00	663	88.00	1249	141.00	343	220.00	63
45.00	325	89.00	131	142.00	145	223.00	78
46.00	148	90.00	105	143.00	242	231.00	74
47.00	506	91.00	231	144.00	50	232.00	78
48.00	283	92.00	911	145.00	75	232.00	90
48.00	380	93.00	1109	146.00	102	234.00	75
49.00	1624	94.00	4075	148.00	125	237.00	102
50.00	8138	95.00	33120	150.00	97	238.00	64
51.00	2763	96.00	2405	150.00	71	242.00	60
52.00	109	97.00	69	152.00	55	243.00	93
53.00	61	98.00	176	153.00	51	244.00	70
54.00	59	104.00	218	153.00	71	245.00	52
55.00	95	105.00	101	155.00	138	246.00	51
55.00	161	106.00	138	156.00	51	247.00	97
56.00	625	106.00	80	157.00	64	249.00	74
57.00	1345	109.00	87	157.00	105	250.00	66
59.00	80	110.00	88	158.00	86	260.00	56
60.00	331	111.00	83	161.00	98	270.00	85
61.00	2272	113.00	81	162.00	152	270.00	84
62.00	1937	113.00	51	164.00	92	273.00	54
63.00	1799	114.00	50	169.00	115	274.00	62
64.00	248	115.00	64	172.00	91	276.00	54

Report Date: 14-May-2020 08:45:04

Chrom Revision: 2.3 05-May-2020 17:48:18

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N18999.D\8260W_11.rslt\spectra.d

Injection Date: 13-May-2020 14:11:30

Spectrum: Tune Spec :Scan 248(3.19)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
66.00	148	116.00	84	174.00	21296	277.00	84
67.00	150	116.00	102	175.00	1731	278.00	63
68.00	3363	117.00	204	176.00	20920	281.00	68
69.00	3943	118.00	127	177.00	1672	282.00	75
70.00	451	119.00	206	178.00	95	292.00	105
71.00	59	122.00	71	180.00	69	294.00	50
72.00	277	123.00	96	182.00	141	295.00	84
73.00	1577	124.00	74	187.00	52	298.00	72
74.00	5498	126.00	101	191.00	58	300.00	73
75.00	17904	128.00	225	192.00	84		
76.00	1740	128.00	127	194.00	84		

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N18999.D

Injection Date: 13-May-2020 14:11:30

Instrument ID: CVOAMS11

Lims ID: BFB

Operator ID:
Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

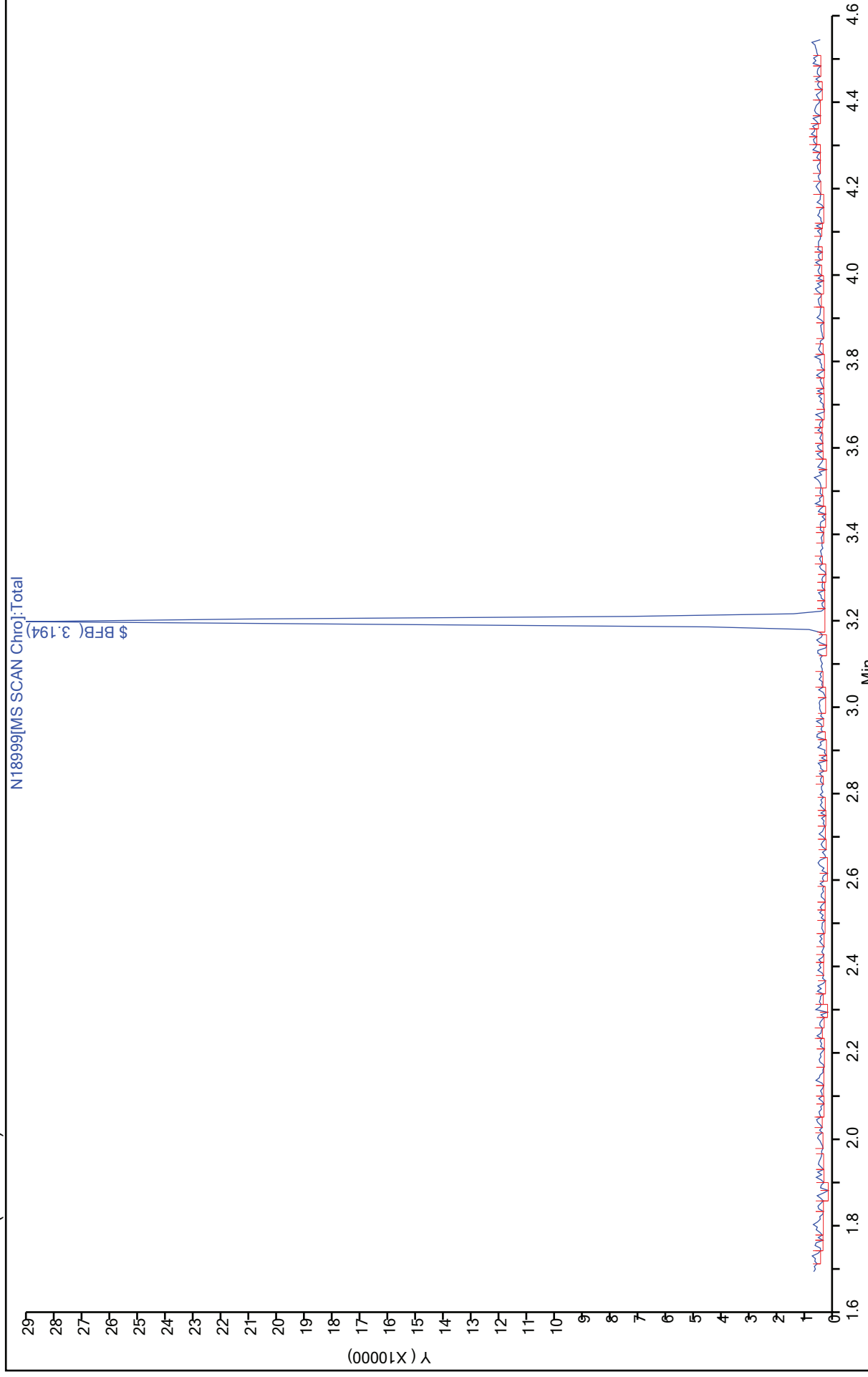
Dil. Factor: 1.0000

ALS Bottle#: 99

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21605.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 10-Jul-2020 07:48:30 ALS Bottle#: 99 Worklist Smp#: 1
 Injection Vol: 5.0 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 460-0113014-001
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 11:55:42 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1016

First Level Reviewer: moroneyc

Date: 10-Jul-2020 07:58:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 140 BFB	95	3.200	3.200	0.000	87	41602	NR	NR	a

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

a - User Assigned ID

Reagents:

BFB_00026

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21605.D

Injection Date: 10-Jul-2020 07:48:30

Instrument ID: CVOAMS11

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#:

99

Worklist Smp#:

1

Injection Vol: 5.0 mL

Dil. Factor:

1.0000

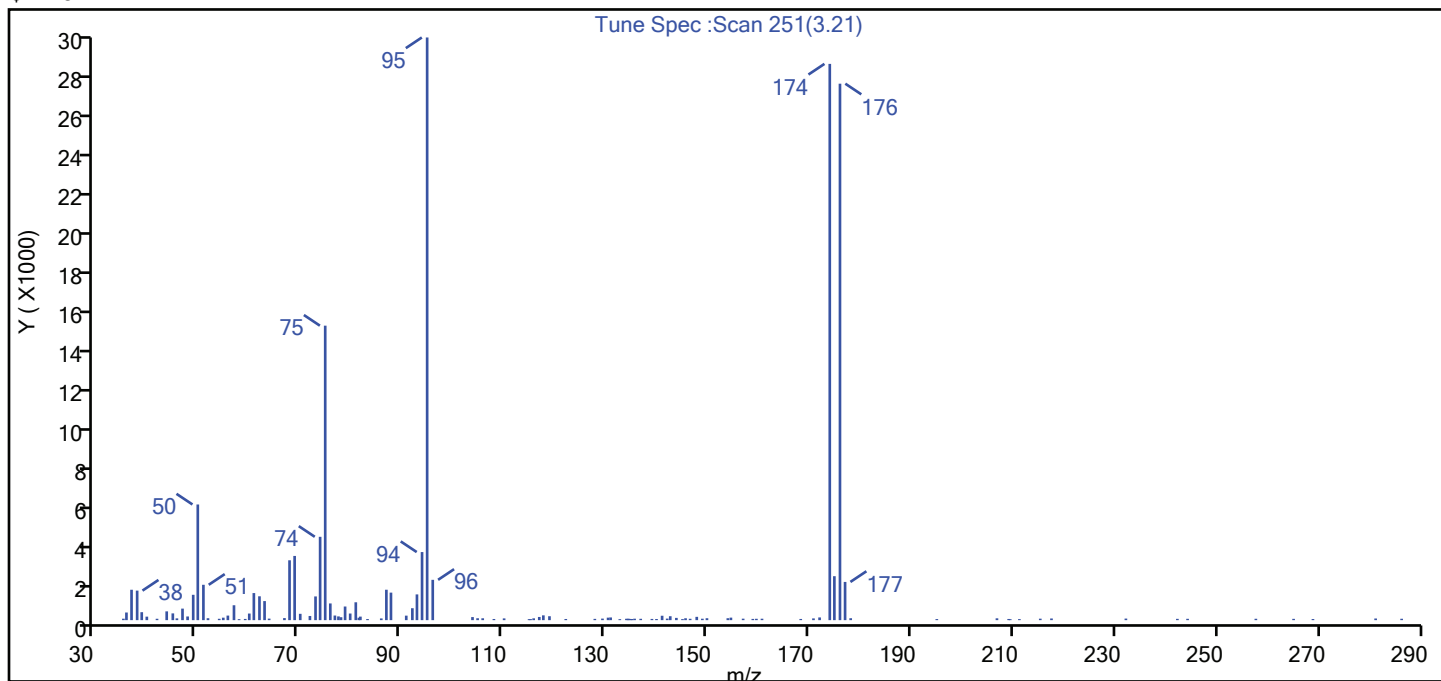
Method: 8260W_11

Limit Group:

VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 140 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	50.5
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	95.5
175	5 to 9% of m/z 174	7.5 (7.9)
176	Greater than 95% but less than 101% of m/z 174	92.1 (96.4)
177	5 to 9% of m/z 176	6.6 (7.1)

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21605.D\8260W_11.rslt\spectra.d
Injection Date: 10-Jul-2020 07:48:30
Spectrum: Tune Spec :Scan 251(3.21)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	74	70.00	322	115.00	51	154.00	98
36.00	389	72.00	212	116.00	92	155.00	128
37.00	1547	73.00	1207	117.00	162	157.00	75
38.00	1503	74.00	4242	118.00	244	159.00	63
39.00	405	75.00	14988	119.00	200	160.00	69
40.00	178	76.00	850	122.00	59	161.00	73
42.00	70	77.00	235	128.00	65	168.00	61
44.00	447	78.00	190	129.00	79	171.00	89
45.00	344	78.00	149	130.00	127	172.00	138
46.00	90	79.00	694	131.00	137	174.00	28312
47.00	587	80.00	337	133.00	51	175.00	2237
48.00	187	81.00	909	134.00	70	176.00	27304
49.00	1290	82.00	124	134.00	68	177.00	1945
50.00	5887	82.00	180	135.00	68	178.00	98
51.00	1800	83.00	56	135.00	59	195.00	55
52.00	98	86.00	87	135.00	57	207.00	93
54.00	69	87.00	1548	136.00	74	209.00	60
55.00	126	88.00	1401	137.00	69	209.00	50
56.00	232	91.00	229	139.00	62	211.00	53
57.00	758	92.00	607	140.00	58	215.00	75
58.00	51	93.00	1310	141.00	224	218.00	85
59.00	62	94.00	3465	142.00	79	232.00	80
60.00	336	95.00	29656	143.00	200	242.00	66
61.00	1378	96.00	2052	144.00	115	244.00	68
62.00	1214	104.00	156	145.00	53	258.00	70
63.00	970	105.00	97	146.00	96	265.00	66
64.00	78	106.00	95	147.00	70	269.00	57
67.00	105	108.00	59	148.00	168	281.00	84
68.00	3047	110.00	89	149.00	73	286.00	71
69.00	3268	115.00	51	150.00	98		

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21605.D

Injection Date: 10-Jul-2020 07:48:30

Instrument ID: CVOAMS11

Lims ID: BFB

Operator ID: 1

Client ID:

Injection Vol: 5.0 mL

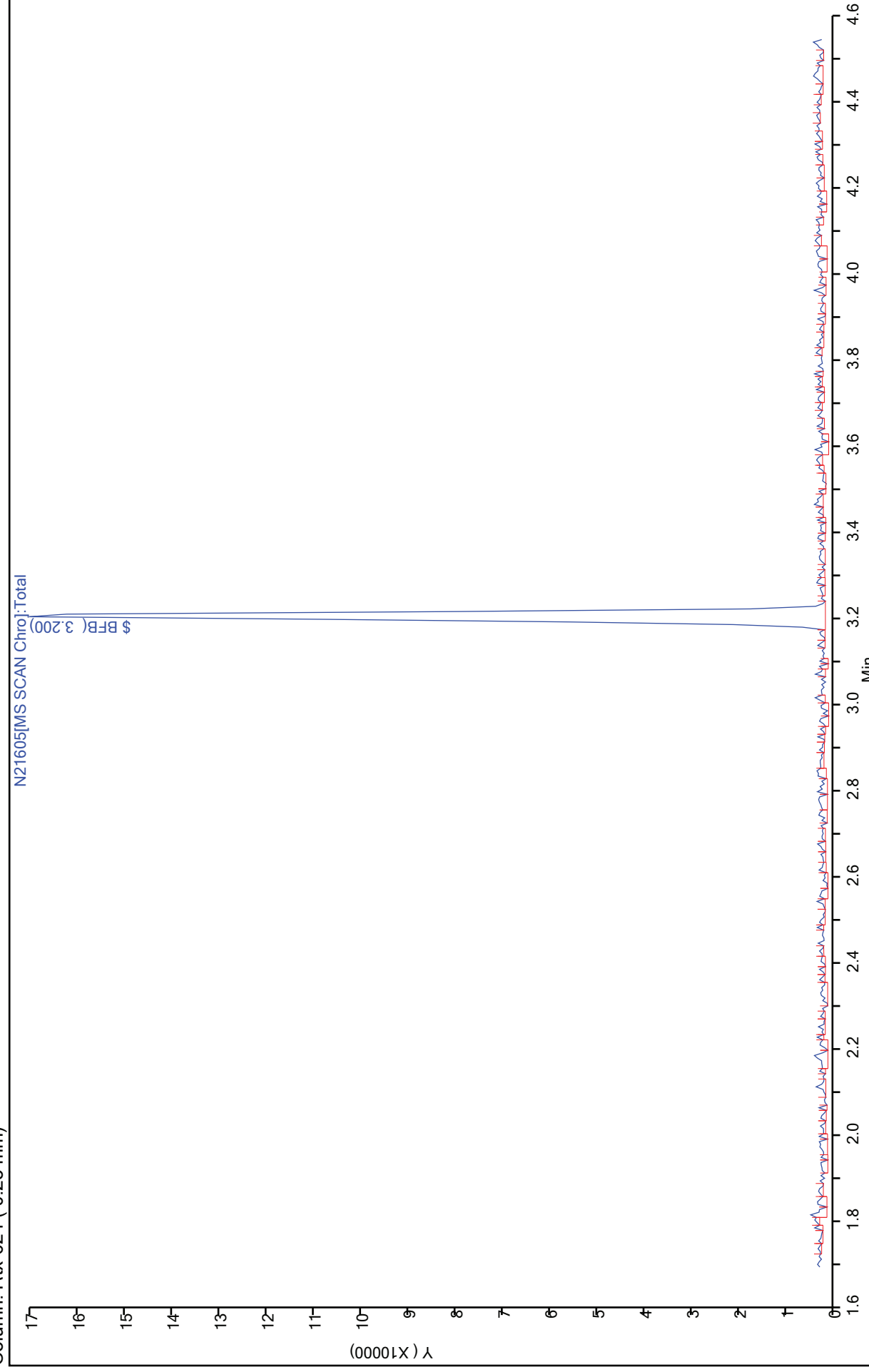
Dil. Factor: 1.0000

ALS Bottle#: 99

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21637.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Jul-2020 20:13:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0113046-001
Operator ID: Instrument ID: CVOAMS11
Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 13-Jul-2020 10:24:33 Calib Date: 13-May-2020 17:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1038

First Level Reviewer: yallabg

Date: 10-Jul-2020 20:19:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 140 BFB	95	3.194	3.194	0.000	85	35000	NR	NR	a

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

a - User Assigned ID

Reagents:

BFB_00026

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21637.D

Injection Date: 10-Jul-2020 20:13:30

Instrument ID: CVOAMS11

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

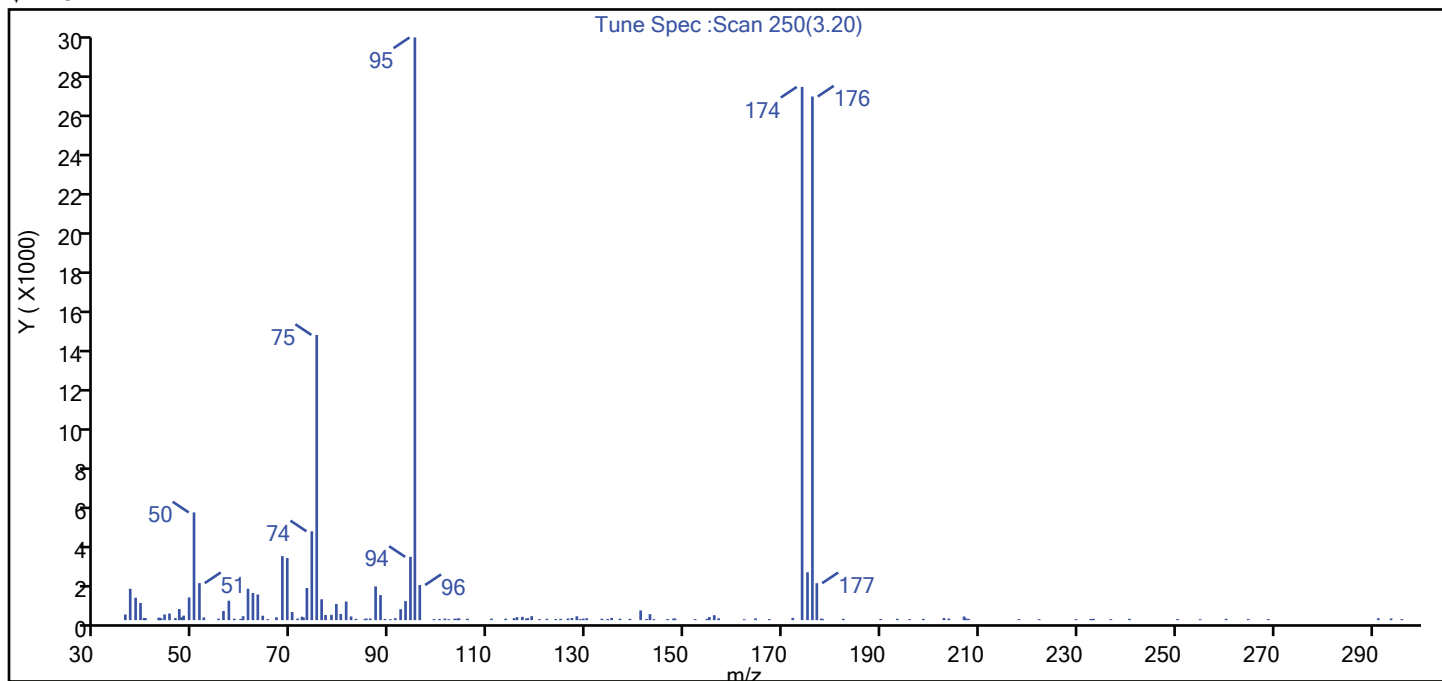
Dil. Factor: 1.0000

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	48.9
96	5 to 9% of m/z 95	6.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	91.5
175	5 to 9% of m/z 174	8.2 (9.0)
176	Greater than 95% but less than 101% of m/z 174	89.9 (98.2)
177	5 to 9% of m/z 176	6.3 (7.1)

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21637.D\8260W_11.rslt\spectra.d
Injection Date: 10-Jul-2020 20:13:30
Spectrum: Tune Spec :Scan 250(3.20)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	288	72.00	174	114.00	75	164.00	89
37.00	1594	72.00	134	115.00	98	167.00	57
38.00	1138	73.00	1635	116.00	151	172.00	116
39.00	872	74.00	4515	117.00	170	174.00	27104
40.00	104	75.00	14497	118.00	74	175.00	2434
40.00	106	76.00	1062	118.00	102	176.00	26616
43.00	119	77.00	262	119.00	202	177.00	1878
43.00	123	78.00	271	120.00	52	178.00	78
43.00	91	79.00	819	122.00	67	178.00	57
44.00	289	80.00	313	124.00	56	182.00	68
45.00	336	81.00	945	125.00	66	190.00	56
46.00	104	82.00	187	126.00	86	193.00	68
47.00	564	83.00	66	127.00	108	196.00	53
48.00	154	85.00	53	128.00	196	199.00	67
48.00	230	85.00	83	129.00	54	203.00	108
49.00	1154	86.00	85	129.00	74	204.00	82
50.00	5475	87.00	1714	130.00	96	207.00	187
51.00	1882	88.00	1274	133.00	74	207.00	85
52.00	140	89.00	63	134.00	60	208.00	63
55.00	75	90.00	51	135.00	113	218.00	54
56.00	465	91.00	98	137.00	75	222.00	50
57.00	987	92.00	554	139.00	65	230.00	55
58.00	74	93.00	966	141.00	493	233.00	56
60.00	61	94.00	3216	142.00	57	233.00	54
60.00	201	95.00	29616	143.00	304	233.00	66
61.00	1594	96.00	1785	144.00	50	237.00	52
62.00	1378	99.00	54	146.00	61	241.00	68
63.00	1302	100.00	59	148.00	79	250.00	60
64.00	225	101.00	81	148.00	81	255.00	51
65.00	52	102.00	51	152.00	52	260.00	69
67.00	147	103.00	74	154.00	67	265.00	55
68.00	3253	104.00	80	155.00	158	269.00	57
69.00	3156	104.00	90	156.00	251	291.00	97

Report Date: 13-Jul-2020 10:24:34

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21637.D\8260W_11.rslt\spectra.d

Injection Date: 10-Jul-2020 20:13:30

Spectrum: Tune Spec :Scan 250(3.20)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	413	106.00	74	157.00	93	294.00	84
71.00	82	111.00	79	162.00	50	296.00	56

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21637.D

Injection Date: 10-Jul-2020 20:13:30

Instrument ID: CVOAMS11

Operator ID:
Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

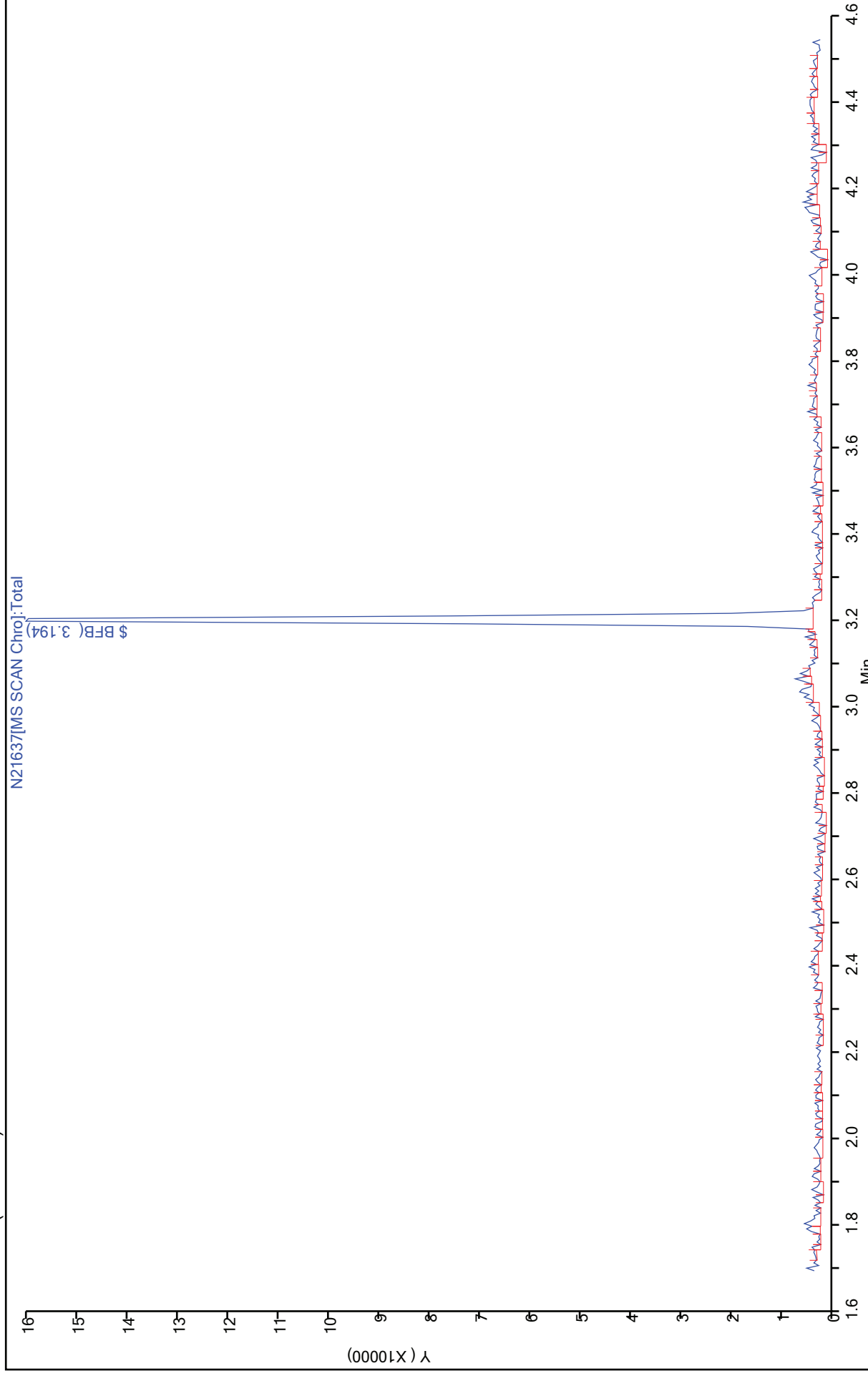
Dil. Factor: 1.0000

ALS Bottle#: 99

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-707280/10
 Matrix: Water Lab File ID: N21614.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 12:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		75-123
1868-53-7	Dibromofluoromethane (Surr)	78		77-124
2037-26-5	Toluene-d8 (Surr)	85		80-120
460-00-4	4-Bromofluorobenzene	83		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21614.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 10-Jul-2020 12:02:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0113014-010
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 12:28:00 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1016

First Level Reviewer: sgroa

Date: 10-Jul-2020 12:28:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.934	2.941	-0.007	67	40341	1000.0	1000.0	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	95	364845	250.0	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	86274	50.0	39.1	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	84	104771	50.0	39.2	
* 67 Fluorobenzene	96	5.039	5.033	0.006	98	483714	50.0	50.0	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	75	26810	1000.0	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	334024	50.0	42.6	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	326449	50.0	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	92	101339	50.0	41.4	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	180009	50.0	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21614.D

Injection Date: 10-Jul-2020 12:02:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: MB

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

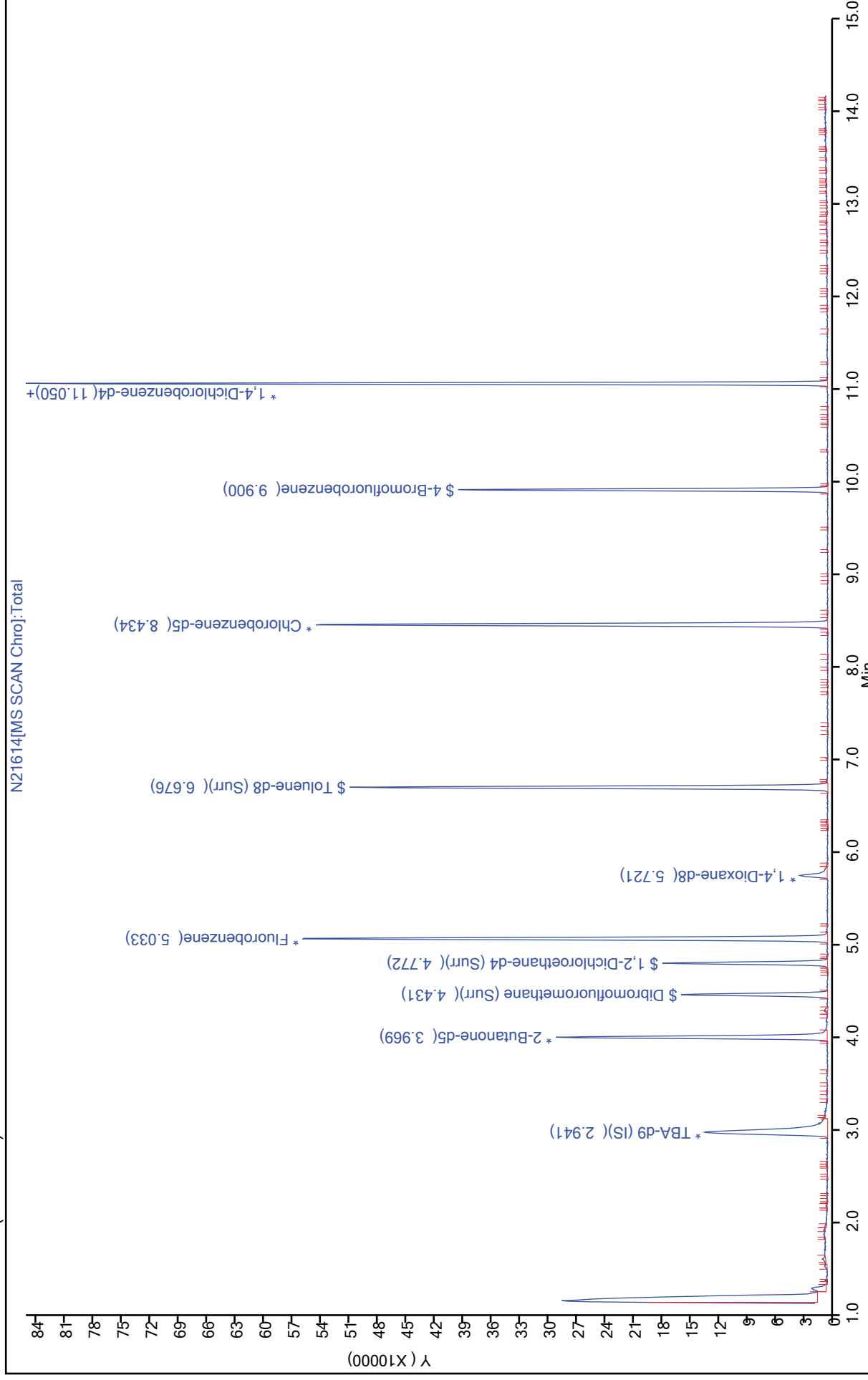
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-707433/9
 Matrix: Water Lab File ID: N21645.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 23:13
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
1868-53-7	Dibromofluoromethane (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	97		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21645.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 10-Jul-2020 23:13:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0113046-009
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 21:02:42 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1056

First Level Reviewer: baronm

Date: 13-Jul-2020 21:02:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.928	2.940	-0.012	68	45261	1000.0	1000.0	
* 43 2-Butanone-d5	46	3.963	3.969	-0.006	95	383120	250.0	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	103600	50.0	47.5	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	83	122692	50.0	46.4	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	478464	50.0	50.0	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	74	27215	1000.0	1000.0	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	99	383738	50.0	50.1	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	319120	50.0	50.0	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	91	116110	50.0	48.6	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	174849	50.0	50.0	

Reagents:

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

8260ISNEW_00139

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21645.D

Injection Date: 10-Jul-2020 23:13:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: MB

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

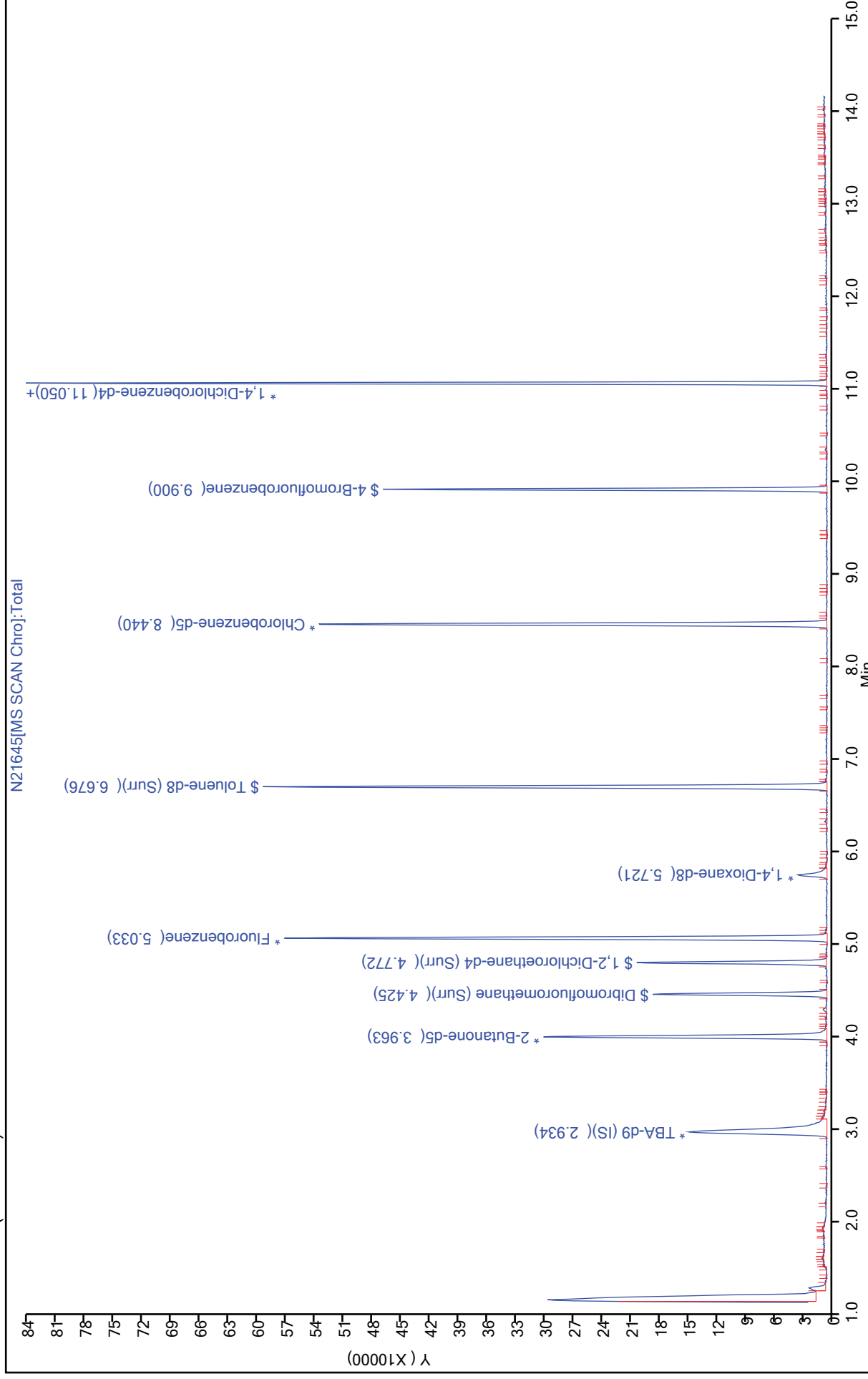
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-708036/10
 Matrix: Water Lab File ID: A91150.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/14/2020 01:36
 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.: 708036 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.38
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		75-123
1868-53-7	Dibromofluoromethane (Surr)	91		77-124
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene	96		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91150.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 14-Jul-2020 01:36:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0113190-010
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-Jul-2020 16:39:29 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1068

First Level Reviewer: delpolitov

Date: 14-Jul-2020 16:39:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.665	3.666	-0.001	33	220548	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.659	4.665	-0.006	86	234185	250.0	250.0	
\$ 54 Dibromofluoromethane (Surr)	113	5.062	5.062	0.000	97	79977	50.0	45.5	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.348	0.000	37	112032	50.0	55.8	
* 66 Fluorobenzene	96	5.561	5.562	-0.001	98	377540	50.0	50.0	
* 72 1,4-Dioxane-d8	96	6.134	6.135	-0.001	22	24467	1000.0	1000.0	
\$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	323320	50.0	51.2	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	90	249922	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	8.719	8.720	-0.001	83	87520	50.0	47.9	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.372	0.006	98	140024	50.0	50.0	

Reagents:

8260ISNEW_00129

Amount Added: 1.00

Units: uL

Run Reagent

8260SURR250_00209

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91150.D

Injection Date: 14-Jul-2020 01:36:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: MB

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

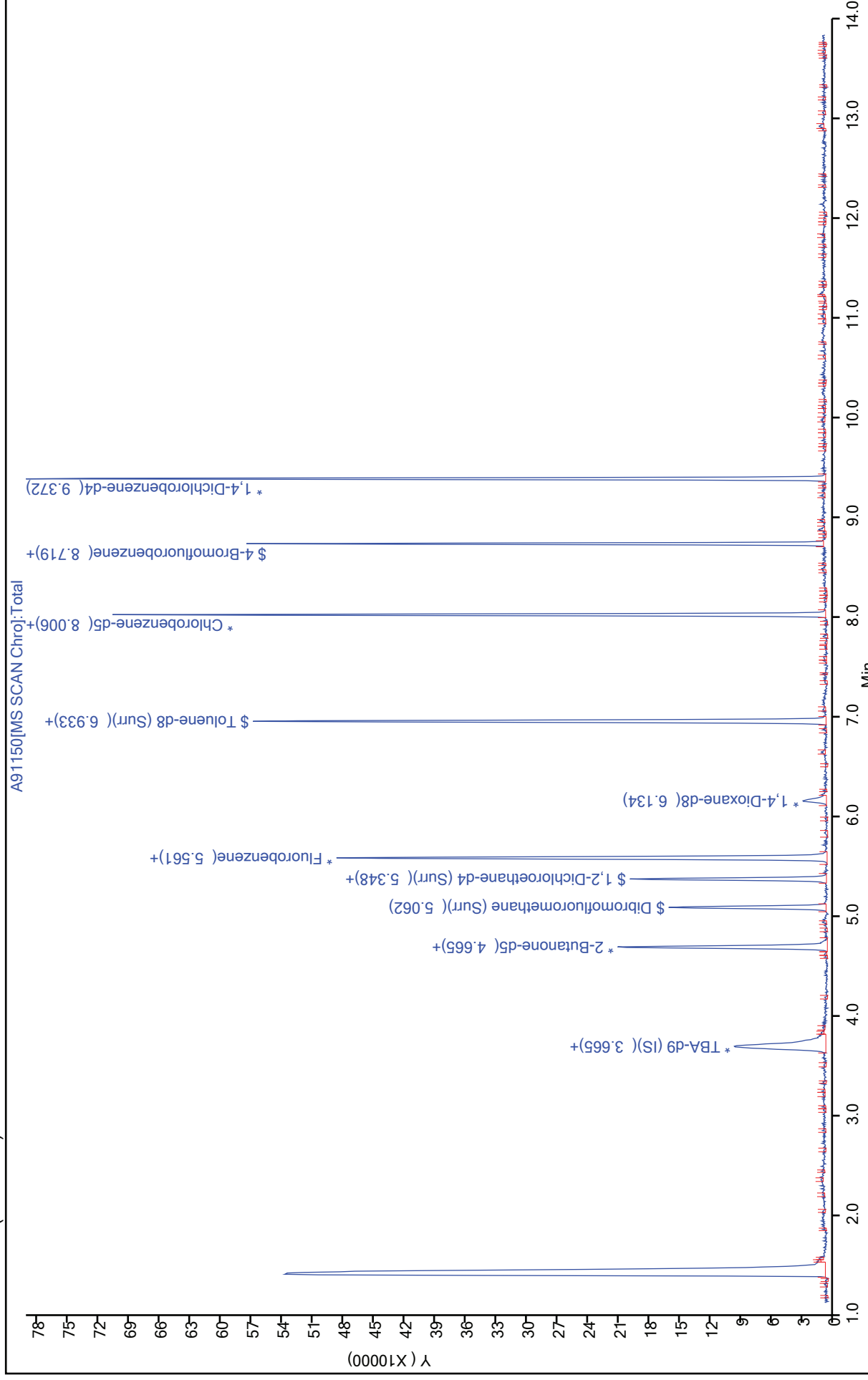
Dil. Factor: 1.0000

ALS Bottle#: 9

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: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-707280/5
 Matrix: Water Lab File ID: N21609.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 10:09
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	21.5		1.0	0.20
100-41-4	Ethylbenzene	18.9		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	19.2		1.0	0.47
108-88-3	Toluene	19.9		1.0	0.38
1330-20-7	Xylenes, Total	38.2		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-123
1868-53-7	Dibromofluoromethane (Surr)	92		77-124
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene	100		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21609.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-Jul-2020 10:09:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0113014-005
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 15:24:36 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1036

First Level Reviewer: moroneyc

Date: 10-Jul-2020 11:24:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	87	1.377	1.389	-0.012	98	16294	20.0	17.6	
7 Chloromethane	52	1.541	1.548	-0.007	99	28142	20.0	16.2	
8 Vinyl chloride	62	1.627	1.621	0.006	91	73649	20.0	17.8	
9 Butadiene	54	1.627	1.627	0.000	95	61238	20.0	18.3	
10 Bromomethane	94	1.894	1.888	0.006	97	48987	20.0	17.6	
11 Chloroethane	64	1.955	1.949	0.006	100	42800	20.0	20.4	
12 Dichlorofluoromethane	67	2.125	2.126	-0.001	98	96835	20.0	20.3	
13 Trichlorofluoromethane	101	2.125	2.132	-0.007	60	55545	20.0	17.0	
14 Pentane	72	2.150	2.150	0.000	96	14637	40.0	39.9	
15 Ethanol	46	2.314	2.302	0.012	86	10657	800.0	757.6	
16 Ethyl ether	74	2.326	2.326	0.000	91	28813	20.0	20.4	
17 2-Methyl-1,3-butadiene	53	2.350	2.345	0.006	97	38206	20.0	20.2	
20 Acrolein	56	2.490	2.484	0.006	91	11623	40.0	31.4	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.509	2.515	-0.006	92	35010	20.0	18.5	
22 1,1-Dichloroethene	96	2.527	2.527	0.000	96	38827	20.0	19.4	
23 Acetone	58	2.612	2.600	0.012	88	26413	100.0	85.2	
24 Iodomethane	142	2.673	2.673	0.000	96	79657	20.0	19.0	
25 Isopropyl alcohol	45	2.691	2.691	0.000	99	35414	200.0	231.3	
26 Carbon disulfide	76	2.703	2.703	0.000	100	159290	20.0	20.6	
27 3-Chloro-1-propene	76	2.825	2.825	0.000	96	27393	20.0	20.5	
28 Methyl acetate	74	2.831	2.831	0.000	100	17862	40.0	36.9	
29 Cyclopentene	67	2.843	2.843	0.000	94	105698	20.0	20.7	
30 Acetonitrile	41	2.886	2.886	0.000	99	77693	200.0	199.7	
* 31 TBA-d9 (IS)	66	2.941	2.941	0.000	93	43184	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.947	0.000	98	54839	20.0	20.1	
33 2-Methyl-2-propanol	59	3.008	3.008	0.000	99	48772	200.0	191.1	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	98	118725	20.0	19.2	
35 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	98	45047	20.0	20.0	
36 Acrylonitrile	53	3.196	3.190	0.006	94	232511	200.0	196.8	
37 Hexane	56	3.269	3.269	0.000	95	25518	20.0	23.2	
38 Isopropyl ether	45	3.476	3.476	0.000	97	171311	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
39 1,1-Dichloroethane	63	3.506	3.500	0.006	99	87472	20.0	21.5	
40 Vinyl acetate	86	3.519	3.513	0.006	100	18849	40.0	37.0	
41 2-Chloro-1,3-butadiene	88	3.549	3.543	0.006	92	36669	20.0	19.5	
42 Tert-butyl ethyl ether	59	3.786	3.774	0.012	88	136922	20.0	20.8	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	97	365844	250.0	250.0	
44 2,2-Dichloropropane	79	3.981	3.987	-0.006	52	17538	20.0	17.9	
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	94	50081	20.0	20.0	
46 2-Butanone (MEK)	72	4.023	4.017	0.006	96	30791	100.0	88.2	
47 Ethyl acetate	70	4.030	4.024	0.006	95	11118	40.0	35.2	
48 Methyl acrylate	55	4.078	4.072	0.006	100	45597	20.0	20.4	
49 Propionitrile	54	4.151	4.145	0.006	99	88713	200.0	203.8	
50 Tetrahydrofuran	72	4.224	4.218	0.006	64	13715	40.0	36.9	
51 Chlorobromomethane	128	4.224	4.224	0.000	93	25030	20.0	19.7	
52 Methacrylonitrile	67	4.255	4.249	0.006	94	227810	200.0	203.8	
53 Chloroform	83	4.279	4.273	0.006	97	73539	20.0	18.6	
54 Cyclohexane	84	4.401	4.401	0.000	95	56396	20.0	20.1	
55 1,1,1-Trichloroethane	97	4.425	4.419	0.006	87	55734	20.0	18.4	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	106610	50.0	46.0	
57 Carbon tetrachloride	117	4.534	4.535	-0.001	97	40962	20.0	17.5	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	96	53342	20.0	19.7	
59 Isobutyl alcohol	43	4.680	4.681	-0.001	97	70626	500.0	529.0	
60 Isooctane	57	4.729	4.729	0.000	92	75201	20.0	20.0	
61 Benzene	78	4.753	4.754	-0.001	96	187035	20.0	21.5	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	97	127109	50.0	45.3	
64 Isopropyl acetate	43	4.814	4.814	0.000	94	148029	20.0	20.2	
63 Tert-amyl methyl ether	73	4.820	4.821	-0.001	89	130063	20.0	20.1	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	95	59122	20.0	19.0	
66 n-Heptane	57	4.906	4.906	0.000	97	23529	20.0	26.6	
* 67 Fluorobenzene	96	5.039	5.033	0.006	98	507933	50.0	50.0	
68 n-Butanol	56	5.331	5.332	-0.001	92	32513	500.0	565.9	
69 Trichloroethene	95	5.380	5.380	0.000	98	40676	20.0	19.1	
71 Methylcyclohexane	83	5.502	5.502	0.000	72	52500	20.0	20.0	
70 Ethyl acrylate	99	5.508	5.508	0.000	96	5590	20.0	19.7	
72 1,2-Dichloropropane	63	5.666	5.660	0.006	92	50618	20.0	21.7	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	85	31020	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	93	21135	40.0	36.8	
75 1,4-Dioxane	88	5.776	5.770	0.006	87	13482	400.0	453.8	
76 Dibromomethane	93	5.794	5.788	0.006	98	27862	20.0	18.8	
77 n-Propyl acetate	43	5.806	5.800	0.006	99	73312	20.0	20.6	
78 Dichlorobromomethane	83	5.940	5.940	0.000	98	50013	20.0	18.8	
79 2-Nitropropane	41	6.274	6.275	0.000	80	21011	40.0	34.5	
80 2-Chloroethyl vinyl ether	63	6.280	6.275	0.006	79	27039	20.0	18.4	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	103709	400.0	389.8	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.000	94	67169	20.0	21.0	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.603	0.000	98	264065	100.0	92.7	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	424086	50.0	50.5	
85 Toluene	91	6.749	6.749	0.000	93	175510	20.0	19.9	
86 trans-1,3-Dichloropropene	75	7.096	7.096	0.000	98	55255	20.0	19.7	
87 Ethyl methacrylate	69	7.138	7.132	0.006	92	48696	20.0	18.4	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	97	34698	20.0	20.4	
89 Tetrachloroethene	166	7.351	7.351	0.000	96	36637	20.0	18.4	
90 1,3-Dichloropropane	76	7.522	7.516	0.006	97	65383	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 2-Hexanone	58	7.588	7.582	0.006	99	84546	100.0	89.2	
92 n-Butyl acetate	43	7.704	7.704	0.000	99	72155	20.0	21.0	
93 Chlorodibromomethane	129	7.741	7.741	0.000	98	33394	20.0	19.1	
94 Ethylene Dibromide	107	7.893	7.893	0.000	100	36903	20.0	19.7	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	88	349879	50.0	50.0	
96 Chlorobenzene	112	8.471	8.471	0.000	94	110714	20.0	20.1	
97 Ethylbenzene	106	8.580	8.580	0.000	99	55065	20.0	18.9	
98 1,1,1,2-Tetrachloroethane	131	8.598	8.592	0.006	93	36829	20.0	19.3	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	67781	20.0	19.3	
101 n-Butyl acrylate	73	9.249	9.249	0.000	66	27973	20.0	18.6	
100 o-Xylene	106	9.255	9.249	0.006	94	69195	20.0	18.9	
102 Styrene	104	9.286	9.286	0.000	95	110986	20.0	19.3	
104 Bromoform	173	9.529	9.523	0.006	54	22112	20.0	19.3	
103 Amyl acetate (mixed isomers)	43	9.529	9.523	0.006	90	76562	20.0	20.3	
105 Isopropylbenzene	105	9.681	9.681	0.000	96	166490	20.0	19.4	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	131102	50.0	50.0	
107 Bromobenzene	156	10.040	10.040	0.000	97	45253	20.0	18.5	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	99	55873	20.0	20.3	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	198310	20.0	20.0	
110 1,2,3-Trichloropropane	110	10.156	10.150	0.006	98	14577	20.0	18.4	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	80	13381	20.0	18.1	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	145959	20.0	19.9	
113 4-Ethyltoluene	105	10.259	10.259	0.000	97	163791	20.0	19.9	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	93	139837	20.0	19.4	
115 4-Chlorotoluene	91	10.363	10.363	0.000	98	132101	20.0	19.9	
116 Butyl Methacrylate	87	10.448	10.448	0.000	94	41636	20.0	17.8	
117 tert-Butylbenzene	119	10.636	10.636	0.000	94	104006	20.0	19.3	
118 1,2,4-Trimethylbenzene	105	10.697	10.697	0.000	98	148909	20.0	19.2	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	159968	20.0	21.0	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	87255	20.0	19.6	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	134689	20.0	20.0	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	192784	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.068	0.000	96	90111	20.0	19.4	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	98	161096	20.0	19.3	
125 Benzyl chloride	126	11.214	11.208	0.006	99	17054	20.0	20.4	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	94	163029	20.0	19.5	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	75625	20.0	21.5	
128 n-Butylbenzene	92	11.354	11.354	0.000	97	73411	20.0	22.6	
129 1,2-Dichlorobenzene	146	11.403	11.403	0.000	96	93562	20.0	19.5	
130 1,2,4,5-Tetramethylbenzene	119	11.999	12.005	-0.006	98	133490	20.0	18.8	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	92	11177	20.0	18.9	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	98	69975	20.0	21.3	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	93	65259	20.0	19.4	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	96	17347	20.0	19.7	
135 Naphthalene	128	12.887	12.887	0.000	99	172190	20.0	17.9	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	94	63583	20.0	20.0	
S 137 1,2-Dichloroethene, Total	100				0		40.0	39.9	
S 138 Xylenes, Total	100				0		40.0	38.2	
S 139 Total BTEX	1				0		100.0	98.5	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00376	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00108	Amount Added: 4.00	Units: uL	
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21609.D

Injection Date: 10-Jul-2020 10:09:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

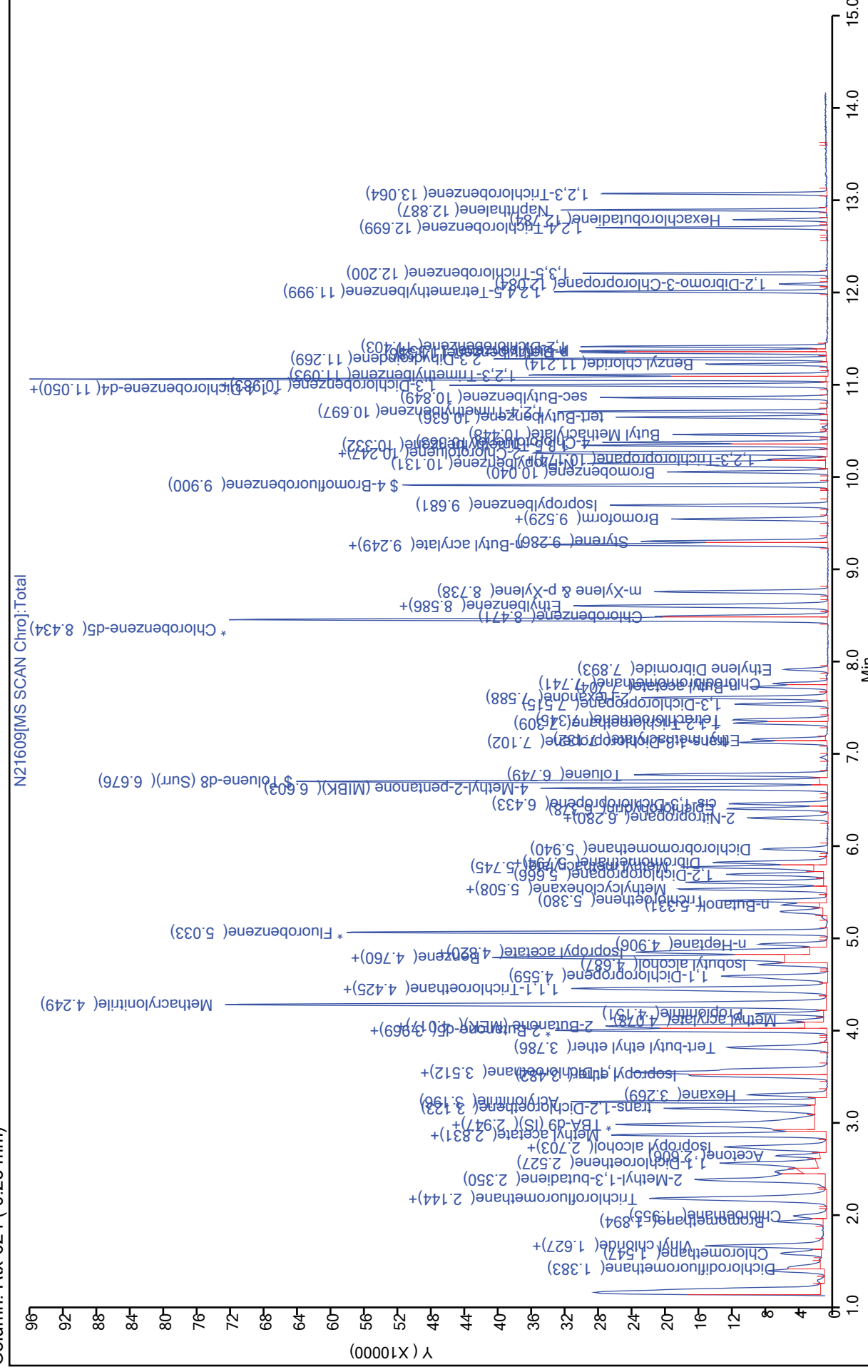
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-707433/4
 Matrix: Water Lab File ID: N21640.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 21:19
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	22.8		1.0	0.20
100-41-4	Ethylbenzene	19.7		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.8		1.0	0.47
108-88-3	Toluene	20.5		1.0	0.38
1330-20-7	Xylenes, Total	39.6		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		75-123
1868-53-7	Dibromofluoromethane (Surr)	91		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	98		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21640.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-Jul-2020 21:19:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0113046-004
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:24:50 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: asfawa

Date: 13-Jul-2020 10:18:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	87	1.365	1.365	0.000	98	12633	20.0	14.0	
7 Chloromethane	52	1.535	1.535	0.000	99	25114	20.0	13.7	
8 Vinyl chloride	62	1.620	1.620	0.000	94	70168	20.0	17.4	
9 Butadiene	54	1.626	1.626	0.000	96	55762	20.0	17.1	
10 Bromomethane	94	1.888	1.888	0.000	99	51257	20.0	19.0	
11 Chloroethane	64	1.949	1.949	0.000	99	41067	20.0	20.1	
12 Dichlorofluoromethane	67	2.119	2.119	0.000	98	95096	20.0	20.4	
13 Trichlorofluoromethane	101	2.125	2.125	0.000	61	53948	20.0	17.0	
14 Pentane	72	2.150	2.150	0.000	98	13739	40.0	35.0	
15 Ethanol	46	2.308	2.308	0.000	87	12071	800.0	801.1	
16 Ethyl ether	74	2.326	2.326	0.000	93	29857	20.0	21.7	
17 2-Methyl-1,3-butadiene	53	2.344	2.344	0.000	98	36757	20.0	20.0	
20 Acrolein	56	2.484	2.484	0.000	92	15521	40.0	39.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.509	2.509	0.000	96	33086	20.0	18.0	
22 1,1-Dichloroethene	96	2.521	2.521	0.000	97	37395	20.0	19.2	
23 Acetone	58	2.600	2.600	0.000	87	30570	100.0	92.9	
24 Iodomethane	142	2.673	2.673	0.000	97	80328	20.0	19.7	
25 Isopropyl alcohol	45	2.685	2.685	0.000	41	38183	200.0	232.9	
26 Carbon disulfide	76	2.703	2.703	0.000	100	156724	20.0	20.9	
27 3-Chloro-1-propene	76	2.819	2.819	0.000	97	26670	20.0	20.5	
28 Methyl acetate	74	2.831	2.831	0.000	99	20498	40.0	39.6	
29 Cyclopentene	67	2.843	2.843	0.000	94	100250	20.0	20.2	
30 Acetonitrile	41	2.880	2.880	0.000	98	86177	200.0	206.7	
* 31 TBA-d9 (IS)	66	2.940	2.940	0.000	93	46256	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.947	0.000	97	58203	20.0	21.9	
33 2-Methyl-2-propanol	59	3.001	3.001	0.000	99	54997	200.0	201.2	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	98	124764	20.0	20.8	
35 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	98	43582	20.0	19.8	
36 Acrylonitrile	53	3.190	3.190	0.000	96	265282	200.0	209.6	
37 Hexane	56	3.263	3.263	0.000	95	23339	20.0	21.8	
38 Isopropyl ether	45	3.476	3.476	0.000	96	175439	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 1,1-Dichloroethane	63	3.500	3.500	0.000	99	88888	20.0	22.5	
40 Vinyl acetate	86	3.518	3.518	0.000	100	17571	40.0	32.5	
41 2-Chloro-1,3-butadiene	88	3.549	3.549	0.000	92	36274	20.0	19.8	
42 Tert-butyl ethyl ether	59	3.774	3.774	0.000	90	139413	20.0	21.7	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	96	388235	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.987	0.000	46	16353	20.0	17.1	a
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	94	52755	20.0	21.6	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	96	34519	100.0	93.2	
47 Ethyl acetate	70	4.023	4.023	0.000	96	12447	40.0	37.2	
48 Methyl acrylate	55	4.072	4.072	0.000	99	50985	20.0	23.5	
49 Propionitrile	54	4.151	4.151	0.000	99	98639	200.0	211.5	
50 Tetrahydrofuran	72	4.218	4.218	0.000	72	15437	40.0	39.2	
51 Chlorobromomethane	128	4.224	4.224	0.000	92	26341	20.0	21.3	
52 Methacrylonitrile	67	4.248	4.248	0.000	94	251530	200.0	231.2	
53 Chloroform	83	4.273	4.273	0.000	98	76525	20.0	19.9	
54 Cyclohexane	84	4.401	4.401	0.000	96	52775	20.0	19.3	
55 1,1,1-Trichloroethane	97	4.419	4.419	0.000	96	53190	20.0	18.0	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	102005	50.0	45.3	
57 Carbon tetrachloride	117	4.528	4.528	0.000	97	40508	20.0	17.8	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	96	52713	20.0	20.1	
59 Isobutyl alcohol	43	4.680	4.680	0.000	95	73516	500.0	514.1	
60 Isooctane	57	4.723	4.723	0.000	97	68464	20.0	18.7	a
61 Benzene	78	4.753	4.753	0.000	97	191764	20.0	22.8	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	90	120761	50.0	44.2	
64 Isopropyl acetate	43	4.814	4.814	0.000	95	158833	20.0	22.2	
63 Tert-amyl methyl ether	73	4.820	4.820	0.000	92	133061	20.0	21.1	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	96	62320	20.0	20.6	
66 n-Heptane	57	4.905	4.905	0.000	96	20404	20.0	23.7	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	494263	50.0	50.0	
68 n-Butanol	56	5.331	5.331	0.000	93	36505	500.0	593.2	
69 Trichloroethene	95	5.380	5.380	0.000	97	39843	20.0	19.2	
71 Methylcyclohexane	83	5.502	5.502	0.000	80	51309	20.0	20.1	
70 Ethyl acrylate	99	5.508	5.508	0.000	97	5795	20.0	21.0	
72 1,2-Dichloropropane	63	5.666	5.666	0.000	92	51768	20.0	22.8	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	75	31996	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	93	23579	40.0	42.1	
75 1,4-Dioxane	88	5.769	5.769	0.000	89	13790	400.0	450.0	
76 Dibromomethane	93	5.794	5.794	0.000	96	29065	20.0	20.1	
77 n-Propyl acetate	43	5.800	5.800	0.000	99	81786	20.0	23.6	
78 Dichlorobromomethane	83	5.940	5.940	0.000	99	52221	20.0	20.2	
79 2-Nitropropane	41	6.268	6.268	0.000	86	24134	40.0	37.0	
80 2-Chloroethyl vinyl ether	63	6.280	6.280	0.000	86	29161	20.0	20.4	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	115197	400.0	408.0	
82 cis-1,3-Dichloropropene	75	6.432	6.432	0.000	94	68867	20.0	22.3	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.603	0.000	98	295140	100.0	97.7	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	405731	50.0	50.1	
85 Toluene	91	6.749	6.749	0.000	94	174423	20.0	20.5	
86 trans-1,3-Dichloropropene	75	7.102	7.102	0.000	96	58113	20.0	21.5	
87 Ethyl methacrylate	69	7.132	7.132	0.000	92	51331	20.0	19.9	
88 1,1,2-Trichloroethane	83	7.308	7.308	0.000	95	35688	20.0	21.7	
89 Tetrachloroethene	166	7.345	7.345	0.000	97	36375	20.0	18.9	
90 1,3-Dichloropropane	76	7.515	7.515	0.000	96	70208	20.0	23.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 2-Hexanone	58	7.588	7.588	0.000	98	97095	100.0	96.5	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	82026	20.0	24.8	
93 Chlorodibromomethane	129	7.740	7.740	0.000	98	35523	20.0	21.0	
94 Ethylene Dibromide	107	7.893	7.893	0.000	99	38806	20.0	21.5	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	337253	50.0	50.0	
96 Chlorobenzene	112	8.470	8.470	0.000	94	112750	20.0	21.3	
97 Ethylbenzene	106	8.580	8.580	0.000	99	55410	20.0	19.7	
98 1,1,1,2-Tetrachloroethane	131	8.592	8.592	0.000	95	36885	20.0	20.1	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	67016	20.0	19.8	
101 n-Butyl acrylate	73	9.249	9.249	0.000	66	30172	20.0	20.9	
100 o-Xylene	106	9.255	9.255	0.000	93	69897	20.0	19.8	
102 Styrene	104	9.286	9.286	0.000	95	115355	20.0	20.8	
104 Bromoform	173	9.523	9.523	0.000	94	23588	20.0	20.9	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	90	83259	20.0	22.3	
105 Isopropylbenzene	105	9.681	9.681	0.000	96	162145	20.0	19.6	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	91	123558	50.0	48.9	
107 Bromobenzene	156	10.040	10.040	0.000	97	47264	20.0	19.5	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	61310	20.0	22.6	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	196026	20.0	20.0	
110 1,2,3-Trichloropropane	110	10.150	10.150	0.000	98	15665	20.0	20.0	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	78	13625	20.0	18.7	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	146211	20.0	20.2	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	166527	20.0	20.5	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	141976	20.0	20.0	
115 4-Chlorotoluene	91	10.362	10.362	0.000	98	137486	20.0	21.0	
116 Butyl Methacrylate	87	10.448	10.448	0.000	94	44684	20.0	19.3	
117 tert-Butylbenzene	119	10.636	10.636	0.000	94	103954	20.0	19.5	
118 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	98	150015	20.0	19.6	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	153567	20.0	20.4	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	90229	20.0	20.5	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	133565	20.0	20.0	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	190354	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.074	11.074	0.000	95	92294	20.0	20.1	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	98	167527	20.0	20.3	
125 Benzyl chloride	126	11.214	11.214	0.000	99	17230	20.0	20.9	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	95	170125	20.0	20.6	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	74913	20.0	21.6	
128 n-Butylbenzene	92	11.360	11.360	0.000	98	73102	20.0	22.8	
129 1,2-Dichlorobenzene	146	11.403	11.403	0.000	95	97825	20.0	20.6	
130 1,2,4,5-Tetramethylbenzene	119	12.005	12.005	0.000	97	135414	20.0	19.3	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	93	12595	20.0	21.5	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	96	70171	20.0	21.6	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	94	68437	20.0	20.6	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	96	16818	20.0	19.4	
135 Naphthalene	128	12.887	12.887	0.000	99	185305	20.0	19.5	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	94	68200	20.0	21.7	
S 137 1,2-Dichloroethene, Total	100				0		40.0	41.5	
S 138 Xylenes, Total	100				0		40.0	39.6	
S 139 Total BTEX	1				0		100.0	102.7	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00376	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00108	Amount Added: 4.00	Units: uL	
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21640.D

Injection Date: 10-Jul-2020 21:19:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

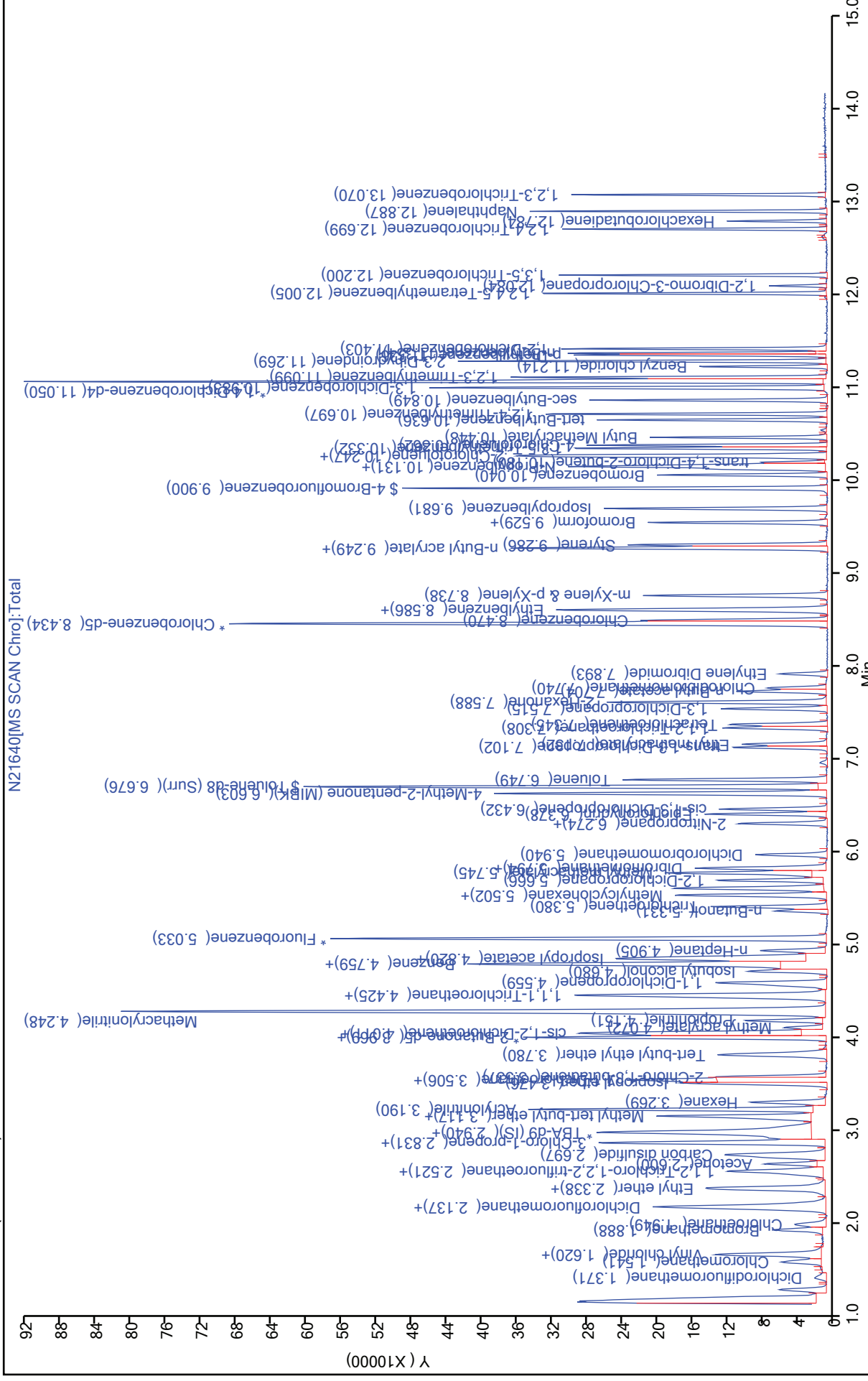
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-708036/5
 Matrix: Water Lab File ID: A91145.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/13/2020 23:37
 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.: 708036 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	23.9		1.0	0.20
100-41-4	Ethylbenzene	21.2		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	25.6		1.0	0.47
108-88-3	Toluene	23.6		1.0	0.38
1330-20-7	Xylenes, Total	43.6		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	128	X	75-123
1868-53-7	Dibromofluoromethane (Surr)	101		77-124
2037-26-5	Toluene-d8 (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene	103		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91145.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-Jul-2020 23:37:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0113190-005
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-Jul-2020 16:36:31 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1068

First Level Reviewer: starzecm

Date: 14-Jul-2020 13:54:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.690	1.697	-0.006	99	78731	20.0	21.8	
6 Chloromethane	50	1.904	1.904	0.000	98	113809	20.0	26.4	
8 Vinyl chloride	62	2.013	2.014	-0.001	98	95328	20.0	22.9	
7 Butadiene	39	2.025	2.044	-0.019	89	82970	20.0	24.2	
9 Bromomethane	94	2.367	2.379	-0.012	96	54259	20.0	19.0	
10 Chloroethane	64	2.458	2.465	-0.007	98	48694	20.0	21.0	
11 Dichlorofluoromethane	67	2.690	2.690	0.000	98	110381	20.0	21.6	
12 Trichlorofluoromethane	101	2.702	2.702	0.000	56	83134	20.0	21.9	
13 Pentane	72	2.720	2.727	-0.007	97	18427	40.0	32.6	
14 Ethyl ether	59	2.946	2.946	0.000	94	39861	20.0	19.5	
15 Ethanol	46	2.952	2.958	-0.006	76	13283	800.0	718.6	
16 2-Methyl-1,3-butadiene	53	2.964	2.971	-0.007	97	48430	20.0	20.6	
19 Acrolein	56	3.135	3.154	-0.019	92	11447	40.0	91.7	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.172	3.178	-0.006	90	53144	20.0	20.4	
21 1,1-Dichloroethene	96	3.184	3.184	0.000	96	46524	20.0	18.9	
22 Acetone	58	3.281	3.282	-0.001	90	26568	100.0	73.4	
23 Iodomethane	142	3.355	3.355	-0.001	99	87612	20.0	19.5	
25 Isopropyl alcohol	45	3.379	3.391	-0.012	33	36038	200.0	221.2	a
24 Carbon disulfide	76	3.391	3.397	-0.006	99	191191	20.0	19.8	
26 3-Chloro-1-propene	76	3.519	3.532	-0.013	94	35044	20.0	20.0	
27 Methyl acetate	43	3.537	3.544	-0.007	75	75435	40.0	44.3	
28 Cyclopentene	67	3.543	3.544	-0.001	91	133781	20.0	20.5	
29 Acetonitrile	41	3.598	3.605	-0.007	99	64405	200.0	172.1	
30 Methylene Chloride	84	3.659	3.666	-0.007	98	58286	20.0	19.4	
* 31 TBA-d9 (IS)	65	3.665	3.666	-0.001	85	238485	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.726	3.745	-0.019	28	52547	200.0	229.4	a
33 Methyl tert-butyl ether	73	3.830	3.830	0.000	98	145058	20.0	25.6	
34 trans-1,2-Dichloroethene	96	3.842	3.855	-0.013	97	49629	20.0	19.2	
35 Acrylonitrile	53	3.921	3.928	-0.007	95	238993	200.0	251.8	
36 Hexane	43	4.001	4.001	0.000	95	57690	20.0	28.8	
37 Isopropyl ether	45	4.196	4.202	-0.006	99	213707	20.0	28.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.232	4.233	-0.001	76	103622	20.0	24.4	
39 Vinyl acetate	86	4.238	4.251	-0.013	100	14813	40.0	37.3	
40 2-Chloro-1,3-butadiene	88	4.275	4.275	0.000	93	45717	20.0	21.9	
41 Tert-butyl ethyl ether	59	4.488	4.489	-0.001	88	177539	20.0	29.8	
* 42 2-Butanone-d5	46	4.659	4.665	-0.006	87	282706	250.0	250.0	
43 2,2-Dichloropropane	97	4.677	4.684	-0.007	68	13999	20.0	23.6	
44 cis-1,2-Dichloroethene	96	4.696	4.702	-0.006	90	57716	20.0	21.3	
45 Ethyl acetate	70	4.708	4.708	0.000	93	10540	40.0	38.5	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	96	28860	100.0	83.4	
47 Methyl acrylate	55	4.757	4.757	0.000	98	49232	20.0	29.0	
48 Propionitrile	54	4.824	4.830	-0.006	98	86627	200.0	214.0	
49 Chlorobromomethane	128	4.897	4.891	0.006	98	25814	20.0	20.2	
50 Tetrahydrofuran	72	4.891	4.897	-0.006	63	15008	40.0	38.7	
51 Methacrylonitrile	67	4.909	4.915	-0.006	94	231107	200.0	246.6	
52 Chloroform	83	4.933	4.934	-0.001	98	87989	20.0	23.0	
53 Cyclohexane	56	5.049	5.050	-0.001	95	107933	20.0	24.7	
\$ 54 Dibromofluoromethane (Surr)	113	5.061	5.062	-0.001	96	98655	50.0	50.6	
55 1,1,1-Trichloroethane	97	5.061	5.062	-0.001	72	70209	20.0	25.2	
56 Carbon tetrachloride	117	5.159	5.159	0.000	94	45762	20.0	29.0	
57 1,1-Dichloropropene	75	5.177	5.178	-0.001	96	71179	20.0	23.5	
58 Isobutyl alcohol	43	5.257	5.257	0.000	94	40629	500.0	753.6	
59 Isooctane	57	5.305	5.306	-0.001	95	204837	20.0	26.5	
60 Benzene	78	5.336	5.336	0.000	96	203638	20.0	23.9	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.348	-0.006	94	142099	50.0	63.8	
62 Isopropyl acetate	43	5.360	5.360	0.000	97	173424	20.0	31.7	
63 Tert-amyl methyl ether	87	5.372	5.379	-0.007	92	47686	20.0	26.4	
64 1,2-Dichloroethane	62	5.403	5.409	-0.006	97	71473	20.0	26.8	
65 n-Heptane	71	5.439	5.434	0.005	94	66570	20.0	23.4	
* 66 Fluorobenzene	96	5.561	5.562	-0.001	98	418617	50.0	50.0	
67 n-Butanol	56	5.769	5.775	-0.006	91	23735	500.0	723.6	
68 Trichloroethene	95	5.842	5.848	-0.006	96	45183	20.0	19.8	
70 Ethyl acrylate	55	5.921	5.921	0.000	97	65227	20.0	27.4	a
69 Methylcyclohexane	83	5.964	5.958	0.006	93	103894	20.0	24.5	
71 1,2-Dichloropropane	63	6.098	6.098	0.000	89	54843	20.0	23.7	
* 72 1,4-Dioxane-d8	96	6.134	6.135	-0.001	95	25062	1000.0	1000.0	
73 Methyl methacrylate	100	6.128	6.135	-0.007	93	22732	40.0	47.4	
74 n-Propyl acetate	43	6.177	6.171	0.006	99	70575	20.0	29.4	
76 1,4-Dioxane	88	6.183	6.183	0.000	31	11495	400.0	428.1	
75 Dibromomethane	93	6.214	6.208	0.006	91	27631	20.0	20.4	
77 Dichlorobromomethane	83	6.336	6.336	0.000	98	54803	20.0	25.2	
78 2-Chloroethyl vinyl ether	63	6.604	6.604	0.000	94	32642	20.0	24.5	
79 2-Nitropropane	41	6.616	6.616	0.000	85	13264	40.0	77.3	
80 Epichlorohydrin	57	6.701	6.702	-0.001	100	99046	400.0	433.5	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	94	73098	20.0	28.7	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.860	-0.006	98	290876	100.0	115.5	
\$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	405842	50.0	58.3	
84 Toluene	91	6.988	6.988	0.000	92	198810	20.0	23.6	
85 trans-1,3-Dichloropropene	75	7.207	7.208	-0.001	90	58504	20.0	31.6	
86 Ethyl methacrylate	69	7.207	7.208	-0.001	82	60609	20.0	24.2	
87 1,1,2-Trichloroethane	83	7.354	7.348	0.006	93	34732	20.0	24.2	
88 Tetrachloroethene	166	7.396	7.391	0.006	93	35872	20.0	18.1	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	98	74649	20.0	25.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 2-Hexanone	43	7.500	7.500	0.000	98	175318	100.0	108.5	
91 n-Butyl acetate	73	7.555	7.555	0.000	99	12120	20.0	26.9	
92 Chlorodibromomethane	129	7.628	7.628	0.000	98	29602	20.0	25.1	
93 Ethylene Dibromide	107	7.726	7.726	0.000	100	36420	20.0	24.5	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	89	275587	50.0	50.0	
95 Chlorobenzene	112	8.024	8.025	-0.001	92	119368	20.0	22.9	
96 Ethylbenzene	106	8.067	8.061	0.006	99	65003	20.0	21.2	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.079	-0.006	90	35146	20.0	28.9	
98 m-Xylene & p-Xylene	106	8.140	8.134	0.006	99	81389	20.0	22.0	
99 n-Butyl acrylate	73	8.341	8.342	-0.001	96	33423	20.0	28.0	
100 o-Xylene	106	8.390	8.390	0.000	92	81620	20.0	21.7	
101 Styrene	104	8.402	8.403	0.000	91	130014	20.0	22.4	
102 Amyl acetate (mixed isomers)	43	8.469	8.470	-0.001	90	99962	20.0	31.9	
103 Bromoform	173	8.543	8.543	0.000	94	16657	20.0	27.9	
104 Isopropylbenzene	105	8.591	8.591	0.000	97	224465	20.0	22.6	
\$ 105 4-Bromofluorobenzene	174	8.719	8.720	-0.001	81	104054	50.0	51.6	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	97	56142	20.0	24.4	
107 Bromobenzene	156	8.811	8.811	0.000	93	45914	20.0	20.5	
108 N-Propylbenzene	91	8.829	8.823	0.006	98	278951	20.0	24.3	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.835	0.006	71	15530	20.0	28.3	
110 1,2,3-Trichloropropane	110	8.841	8.841	0.000	90	14792	20.0	21.9	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	213631	20.0	22.0	
112 2-Chlorotoluene	91	8.902	8.902	0.000	96	205882	20.0	24.7	
113 1,3,5-Trimethylbenzene	105	8.920	8.921	-0.001	91	190246	20.0	22.9	
114 Butyl Methacrylate	87	8.951	8.945	0.006	92	65835	20.0	23.8	
115 4-Chlorotoluene	91	8.963	8.963	0.000	98	158063	20.0	24.6	
116 tert-Butylbenzene	119	9.103	9.104	-0.001	93	150451	20.0	23.6	
117 1,2,4-Trimethylbenzene	105	9.140	9.134	0.006	97	199319	20.0	23.4	
118 sec-Butylbenzene	105	9.225	9.226	-0.001	99	253837	20.0	23.8	
119 4-Isopropyltoluene	119	9.305	9.299	0.006	97	204672	20.0	22.5	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	94	95724	20.0	21.5	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.372	0.006	96	147043	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.384	0.006	71	96410	20.0	21.3	
123 1,2,3-Trimethylbenzene	105	9.390	9.390	0.000	98	214383	20.0	23.4	
124 Benzyl chloride	91	9.469	9.469	0.000	97	62961	20.0	34.6	
125 2,3-Dihydroindene	117	9.524	9.518	0.006	93	213726	20.0	22.1	
126 p-Diethylbenzene	119	9.524	9.524	0.000	94	125978	20.0	23.3	
127 n-Butylbenzene	92	9.548	9.543	0.005	98	124686	20.0	24.4	
128 1,2-Dichlorobenzene	146	9.622	9.622	0.000	93	101717	20.0	21.9	
129 1,2,4,5-Tetramethylbenzene	119	10.036	10.036	0.000	97	209472	20.0	25.2	
130 1,2-Dibromo-3-Chloropropane	75	10.152	10.152	0.000	84	10330	20.0	37.0	
131 1,3,5-Trichlorobenzene	180	10.256	10.250	0.006	96	81063	20.0	22.1	
132 1,2,4-Trichlorobenzene	180	10.768	10.762	0.006	93	68591	20.0	24.0	
133 Hexachlorobutadiene	225	10.841	10.835	0.006	96	32649	20.0	24.0	
134 Naphthalene	128	11.012	11.006	0.006	98	168036	20.0	32.3	
135 1,2,3-Trichlorobenzene	180	11.237	11.231	0.006	93	61934	20.0	33.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.6	
S 137 Xylenes, Total	100				0		40.0	43.6	
S 138 Total BTEX	1				0		100.0	112.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00109	Amount Added: 4.00	Units: uL	
GASES Li_00376	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91145.D

Injection Date: 13-Jul-2020 23:37:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

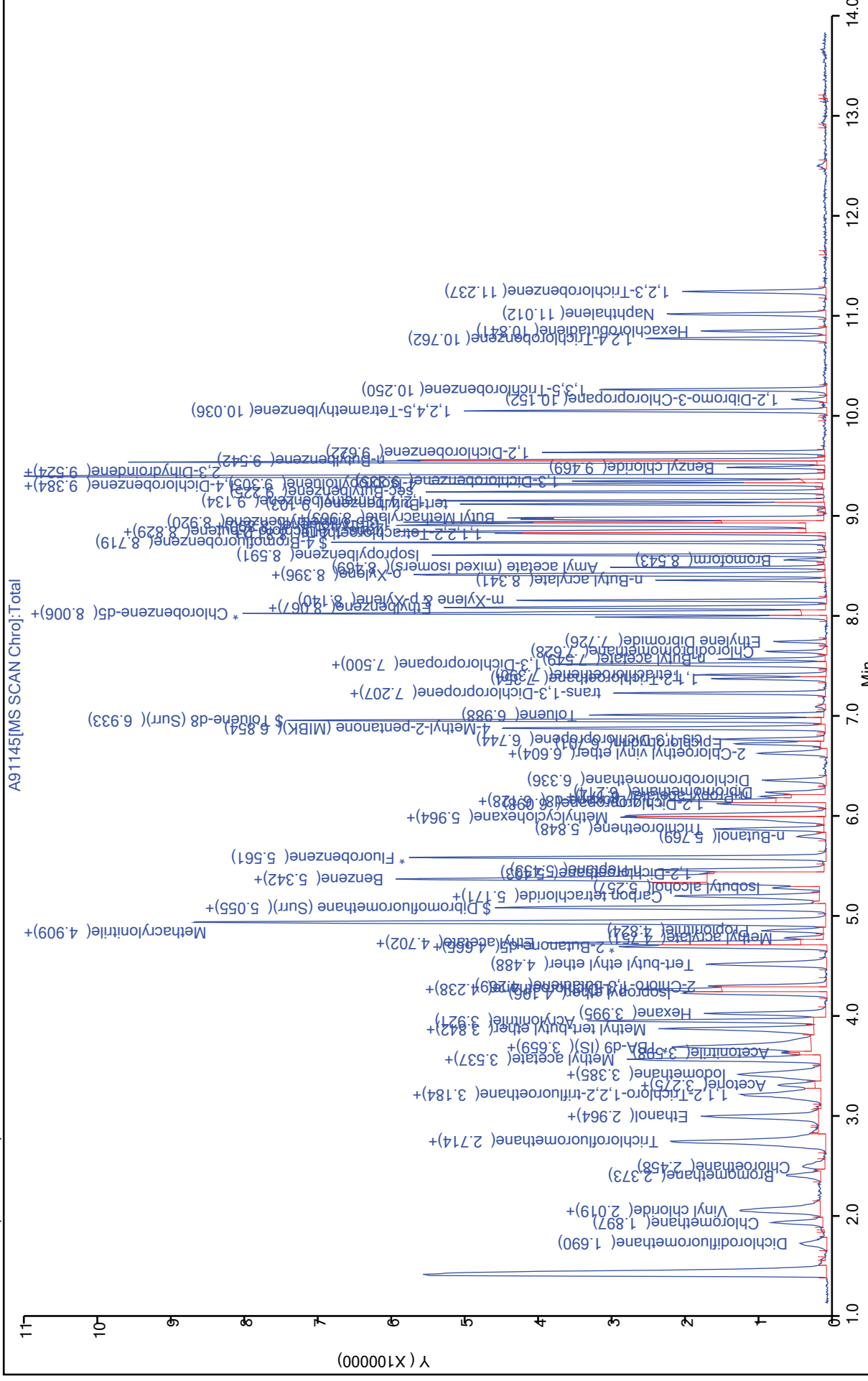
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-707433/5
 Matrix: Water Lab File ID: N21641.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 21:42
 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.: 707433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	21.6		1.0	0.20
100-41-4	Ethylbenzene	19.1		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	19.9		1.0	0.47
108-88-3	Toluene	19.8		1.0	0.38
1330-20-7	Xylenes, Total	38.0		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
1868-53-7	Dibromofluoromethane (Surr)	92		77-124
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene	99		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21641.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 10-Jul-2020 21:42:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0113046-005
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 13-Jul-2020 10:24:50 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: asfawa

Date: 13-Jul-2020 09:48:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	87	1.389	1.365	0.024	99	11000	20.0	12.1	
7 Chloromethane	52	1.548	1.535	0.013	99	26123	20.0	14.3	
8 Vinyl chloride	62	1.633	1.620	0.013	93	63557	20.0	15.6	
9 Butadiene	54	1.633	1.626	0.007	96	52992	20.0	16.1	
10 Bromomethane	94	1.894	1.888	0.006	99	46147	20.0	16.9	
11 Chloroethane	64	1.955	1.949	0.006	100	40914	20.0	19.8	
12 Dichlorofluoromethane	67	2.125	2.119	0.006	98	90238	20.0	19.2	
13 Trichlorofluoromethane	101	2.132	2.125	0.007	59	50029	20.0	15.6	
14 Pentane	72	2.150	2.150	0.000	97	12732	40.0	33.2	
15 Ethanol	46	2.326	2.308	0.018	79	10476	800.0	711.6	
16 Ethyl ether	74	2.332	2.326	0.006	92	28706	20.0	20.7	
17 2-Methyl-1,3-butadiene	53	2.351	2.344	0.007	98	35500	20.0	19.1	
20 Acrolein	56	2.497	2.484	0.013	93	13992	40.0	36.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.515	2.509	0.006	95	33276	20.0	17.9	
22 1,1-Dichloroethene	96	2.533	2.521	0.012	95	36298	20.0	18.5	
23 Acetone	58	2.612	2.600	0.012	88	30084	100.0	92.0	
24 Iodomethane	142	2.679	2.673	0.006	97	79240	20.0	19.2	
25 Isopropyl alcohol	45	2.685	2.685	0.000	91	36116	200.0	225.4	
26 Carbon disulfide	76	2.709	2.703	0.006	99	154461	20.0	20.4	
27 3-Chloro-1-propene	76	2.825	2.819	0.006	95	27047	20.0	20.6	
28 Methyl acetate	74	2.837	2.831	0.006	99	19173	40.0	37.9	
29 Cyclopentene	67	2.849	2.843	0.006	92	99337	20.0	19.9	
30 Acetonitrile	41	2.892	2.880	0.012	98	80568	200.0	197.9	
* 31 TBA-d9 (IS)	66	2.947	2.940	0.007	91	45193	1000.0	1000.0	
32 Methylene Chloride	84	2.953	2.947	0.006	98	55686	20.0	20.8	
33 2-Methyl-2-propanol	59	3.008	3.001	0.007	96	53738	200.0	201.2	a
34 Methyl tert-butyl ether	73	3.111	3.099	0.012	98	120585	20.0	19.9	
35 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	98	42073	20.0	19.0	
36 Acrylonitrile	53	3.196	3.190	0.006	95	255021	200.0	206.2	
37 Hexane	56	3.269	3.263	0.006	95	22755	20.0	21.1	
38 Isopropyl ether	45	3.476	3.476	0.000	97	172271	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
39 1,1-Dichloroethane	63	3.506	3.500	0.006	98	87922	20.0	22.0	
40 Vinyl acetate	86	3.519	3.518	0.001	100	16372	40.0	30.5	
41 2-Chloro-1,3-butadiene	88	3.549	3.549	0.000	91	35167	20.0	19.0	
42 Tert-butyl ethyl ether	59	3.786	3.774	0.012	89	135129	20.0	20.9	
* 43 2-Butanone-d5	46	3.969	3.969	0.000	97	385632	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.987	0.000	46	15652	20.0	16.3	a
45 cis-1,2-Dichloroethene	96	4.011	4.005	0.006	95	49993	20.0	20.3	
46 2-Butanone (MEK)	72	4.024	4.017	0.007	96	34698	100.0	94.3	
47 Ethyl acetate	70	4.030	4.023	0.007	95	12091	40.0	36.4	
48 Methyl acrylate	55	4.078	4.072	0.006	99	49624	20.0	22.6	
49 Propionitrile	54	4.151	4.151	0.000	98	96505	200.0	211.8	
50 Tetrahydrofuran	72	4.218	4.218	0.000	66	15273	40.0	39.0	
51 Chlorobromomethane	128	4.224	4.224	0.000	98	25026	20.0	20.0	
52 Methacrylonitrile	67	4.255	4.248	0.007	94	245283	200.0	223.4	
53 Chloroform	83	4.279	4.273	0.006	97	73493	20.0	19.0	
54 Cyclohexane	84	4.407	4.401	0.006	95	52328	20.0	19.0	
55 1,1,1-Trichloroethane	97	4.419	4.419	0.000	94	52157	20.0	17.5	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	97	104150	50.0	45.8	
57 Carbon tetrachloride	117	4.535	4.528	0.007	97	41024	20.0	17.9	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	95	51542	20.0	19.4	
59 Isobutyl alcohol	43	4.687	4.680	0.007	93	71418	500.0	511.2	
60 Isooctane	57	4.729	4.723	0.006	94	69694	20.0	18.8	a
61 Benzene	78	4.754	4.753	0.001	97	184475	20.0	21.6	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	97	123504	50.0	44.8	
64 Isopropyl acetate	43	4.814	4.814	0.000	93	155354	20.0	21.5	
63 Tert-amyl methyl ether	73	4.820	4.820	0.000	74	133508	20.0	21.0	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	95	60979	20.0	19.9	
66 n-Heptane	57	4.906	4.905	0.001	96	20270	20.0	23.4	
* 67 Fluorobenzene	96	5.039	5.033	0.006	98	498791	50.0	50.0	
68 n-Butanol	56	5.331	5.331	0.000	92	35332	500.0	587.6	
69 Trichloroethene	95	5.380	5.380	0.000	97	40765	20.0	19.4	
71 Methylcyclohexane	83	5.508	5.502	0.006	70	49913	20.0	19.4	
70 Ethyl acrylate	99	5.508	5.508	0.000	96	5670	20.0	20.3	a
72 1,2-Dichloropropane	63	5.666	5.666	0.000	91	49689	20.0	21.7	
* 73 1,4-Dioxane-d8	96	5.721	5.715	0.006	86	30863	1000.0	1000.0	
74 Methyl methacrylate	100	5.751	5.745	0.006	94	23184	40.0	41.1	
75 1,4-Dioxane	88	5.776	5.769	0.007	75	12952	400.0	438.2	
76 Dibromomethane	93	5.794	5.794	0.000	97	28363	20.0	19.5	
77 n-Propyl acetate	43	5.800	5.800	0.000	100	82734	20.0	23.7	
78 Dichlorobromomethane	83	5.940	5.940	0.000	98	52134	20.0	19.9	
79 2-Nitropropane	41	6.274	6.268	0.006	80	22530	40.0	35.4	
80 2-Chloroethyl vinyl ether	63	6.281	6.280	0.001	77	28997	20.0	20.1	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	113606	400.0	405.1	
82 cis-1,3-Dichloropropene	75	6.433	6.432	0.001	93	69667	20.0	22.2	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.603	0.000	98	289473	100.0	96.4	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	414267	50.0	50.3	
85 Toluene	91	6.749	6.749	0.000	93	171299	20.0	19.8	
86 trans-1,3-Dichloropropene	75	7.102	7.102	0.000	95	57294	20.0	20.8	
87 Ethyl methacrylate	69	7.138	7.132	0.006	92	52006	20.0	20.0	
88 1,1,2-Trichloroethane	83	7.309	7.308	0.001	96	35331	20.0	21.2	
89 Tetrachloroethene	166	7.351	7.345	0.006	96	35199	20.0	18.0	
90 1,3-Dichloropropane	76	7.522	7.515	0.007	96	69156	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 2-Hexanone	58	7.589	7.588	0.000	98	95970	100.0	96.0	
92 n-Butyl acetate	43	7.704	7.704	0.000	99	79868	20.0	23.8	
93 Chlorodibromomethane	129	7.741	7.740	0.001	98	35083	20.0	20.4	
94 Ethylene Dibromide	107	7.893	7.893	0.001	100	38402	20.0	20.9	
* 95 Chlorobenzene-d5	117	8.440	8.440	0.000	88	342946	50.0	50.0	
96 Chlorobenzene	112	8.477	8.470	0.007	94	111380	20.0	20.7	
97 Ethylbenzene	106	8.580	8.580	0.000	99	54601	20.0	19.1	
98 1,1,1,2-Tetrachloroethane	131	8.592	8.592	0.000	93	37580	20.0	20.1	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	64843	20.0	18.8	
101 n-Butyl acrylate	73	9.249	9.249	0.000	83	28666	20.0	19.5	
100 o-Xylene	106	9.255	9.255	0.000	93	68505	20.0	19.1	
102 Styrene	104	9.286	9.286	0.000	94	111770	20.0	19.8	
104 Bromoform	173	9.529	9.523	0.006	95	23016	20.0	20.4	
103 Amyl acetate (mixed isomers)	43	9.529	9.529	0.000	92	82894	20.0	22.2	
105 Isopropylbenzene	105	9.681	9.681	0.000	97	158988	20.0	18.9	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	127305	50.0	49.6	
107 Bromobenzene	156	10.040	10.040	0.000	98	47432	20.0	19.6	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	59627	20.0	22.0	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	189581	20.0	19.3	
110 1,2,3-Trichloropropane	110	10.156	10.150	0.006	97	16029	20.0	20.5	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	77	13256	20.0	18.2	
112 2-Chlorotoluene	91	10.241	10.241	0.000	98	143839	20.0	19.9	
113 4-Ethyltoluene	105	10.259	10.259	0.000	97	158766	20.0	19.6	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	93	137205	20.0	19.3	
115 4-Chlorotoluene	91	10.363	10.362	0.001	97	135018	20.0	20.6	
116 Butyl Methacrylate	87	10.448	10.448	0.000	95	44808	20.0	19.4	
117 tert-Butylbenzene	119	10.636	10.636	0.000	93	101244	20.0	19.0	
118 1,2,4-Trimethylbenzene	105	10.697	10.703	-0.006	99	145670	20.0	19.0	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	153877	20.0	20.4	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	89318	20.0	20.3	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	131421	20.0	19.7	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	190246	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.074	-0.006	96	91962	20.0	20.1	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	99	163650	20.0	19.8	
125 Benzyl chloride	126	11.208	11.214	-0.006	99	16616	20.0	20.1	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	95	163807	20.0	19.8	
127 p-Diethylbenzene	119	11.336	11.336	0.000	93	71829	20.0	20.7	
128 n-Butylbenzene	92	11.354	11.360	-0.006	96	69741	20.0	21.8	
129 1,2-Dichlorobenzene	146	11.403	11.403	0.000	96	95628	20.0	20.2	
130 1,2,4,5-Tetramethylbenzene	119	11.999	12.005	-0.006	98	132354	20.0	18.9	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	92	12407	20.0	21.2	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	96	69142	20.0	21.3	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	93	66894	20.0	20.2	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	95	15805	20.0	18.2	
135 Naphthalene	128	12.887	12.887	0.000	99	182275	20.0	19.2	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	95	65673	20.0	20.9	
S 137 1,2-Dichloroethene, Total	100				0		40.0	39.3	
S 138 Xylenes, Total	100				0		40.0	38.0	
S 139 Total BTEX	1				0		100.0	98.5	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00376	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00108	Amount Added: 4.00	Units: uL	
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113046.b\N21641.D

Injection Date: 10-Jul-2020 21:42:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

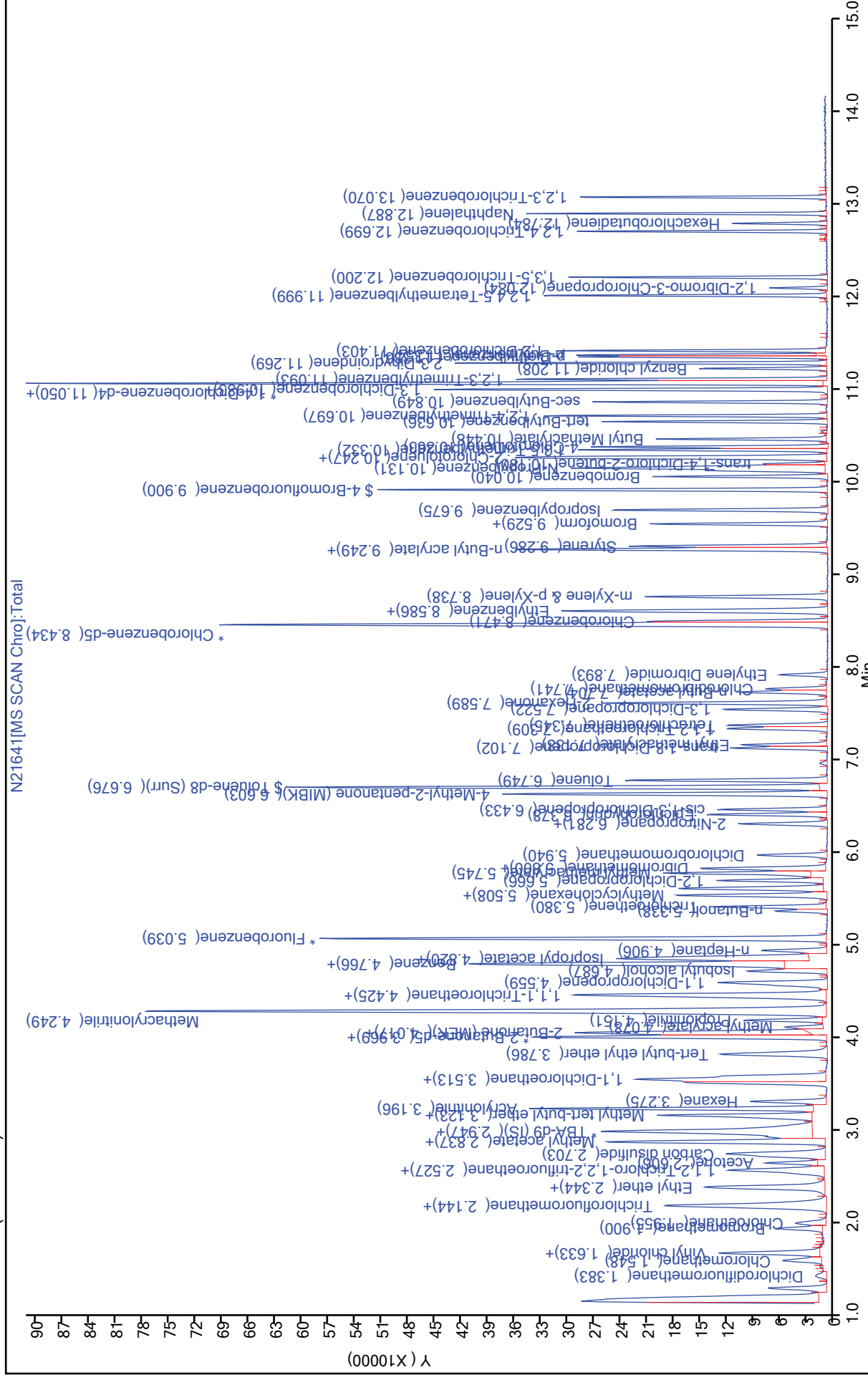
ALS Bottle#: 4

Purge Vol: 5.000 mL

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-708036/6
 Matrix: Water Lab File ID: A91146.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/14/2020 00:01
 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.: 708036 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	24.4		1.0	0.20
100-41-4	Ethylbenzene	20.8		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	24.6		1.0	0.47
108-88-3	Toluene	23.2		1.0	0.38
1330-20-7	Xylenes, Total	43.9		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		75-123
1868-53-7	Dibromofluoromethane (Surr)	91		77-124
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene	87		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91146.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 14-Jul-2020 00:01:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0113190-006
 Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\8260624W_1.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 14-Jul-2020 16:37:29 Calib Date: 11-Jun-2020 04:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1068

First Level Reviewer: starzecm

Date: 14-Jul-2020 13:58:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.703	1.697	0.007	98	78719	20.0	20.1	
6 Chloromethane	50	1.916	1.904	0.012	99	112785	20.0	24.1	
8 Vinyl chloride	62	2.026	2.014	0.012	98	91585	20.0	20.3	
7 Butadiene	39	2.044	2.044	0.000	96	79880	20.0	21.5	
9 Bromomethane	94	2.385	2.379	0.006	96	57821	20.0	18.7	
10 Chloroethane	64	2.471	2.465	0.006	99	49492	20.0	19.6	
11 Dichlorofluoromethane	67	2.696	2.690	0.006	98	112329	20.0	20.3	
12 Trichlorofluoromethane	101	2.702	2.702	0.000	74	77819	20.0	18.9	
13 Pentane	72	2.721	2.727	-0.006	96	21909	40.0	38.0	
14 Ethyl ether	59	2.952	2.946	0.006	95	44291	20.0	20.0	
15 Ethanol	46	2.934	2.958	-0.024	89	12846	800.0	680.7	
16 2-Methyl-1,3-butadiene	53	2.977	2.971	0.006	97	52027	20.0	20.4	
19 Acrolein	56	3.141	3.154	-0.013	89	13763	40.0	108.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.184	3.178	0.006	90	46566	20.0	16.5	
21 1,1-Dichloroethene	96	3.190	3.184	0.006	95	49121	20.0	18.3	
22 Acetone	58	3.282	3.282	0.000	87	26052	100.0	67.8	
23 Iodomethane	142	3.361	3.355	0.006	95	87801	20.0	18.0	
25 Isopropyl alcohol	45	3.397	3.391	0.006	38	38297	200.0	230.2	
24 Carbon disulfide	76	3.391	3.397	-0.006	99	200428	20.0	19.1	
26 3-Chloro-1-propene	76	3.532	3.532	0.000	93	36349	20.0	19.1	
27 Methyl acetate	43	3.544	3.544	0.000	84	86381	40.0	46.7	
28 Cyclopentene	67	3.550	3.544	0.006	93	139637	20.0	19.7	
29 Acetonitrile	41	3.605	3.605	0.000	97	72287	200.0	189.2	
30 Methylene Chloride	84	3.666	3.666	0.000	96	63245	20.0	19.4	
* 31 TBA-d9 (IS)	65	3.666	3.666	0.000	83	243484	1000.0	1000.0	a
32 2-Methyl-2-propanol	59	3.745	3.745	0.000	28	52436	200.0	224.2	
33 Methyl tert-butyl ether	73	3.824	3.830	-0.006	98	150996	20.0	24.6	
34 trans-1,2-Dichloroethene	96	3.849	3.855	-0.006	97	55826	20.0	19.9	
35 Acrylonitrile	53	3.928	3.928	0.000	95	260797	200.0	253.1	
36 Hexane	43	4.001	4.001	0.000	95	59531	20.0	27.4	
37 Isopropyl ether	45	4.202	4.202	0.000	96	223814	20.0	27.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.239	4.233	0.006	97	111249	20.0	24.1	
39 Vinyl acetate	86	4.251	4.251	0.000	100	16259	40.0	40.1	
40 2-Chloro-1,3-butadiene	88	4.275	4.275	0.000	91	50735	20.0	22.4	
41 Tert-butyl ethyl ether	59	4.495	4.489	0.006	88	180320	20.0	27.8	
* 42 2-Butanone-d5	46	4.665	4.665	0.000	88	300325	250.0	250.0	
43 2,2-Dichloropropane	97	4.684	4.684	0.000	69	14373	20.0	22.3	
44 cis-1,2-Dichloroethene	96	4.702	4.702	0.000	89	59927	20.0	20.4	
45 Ethyl acetate	70	4.708	4.708	0.000	92	10711	40.0	36.8	
46 2-Butanone (MEK)	72	4.714	4.708	0.006	95	31666	100.0	86.1	
47 Methyl acrylate	55	4.763	4.757	0.006	98	51630	20.0	28.0	
48 Propionitrile	54	4.830	4.830	0.000	98	92956	200.0	224.9	
49 Chlorobromomethane	128	4.897	4.891	0.006	92	24922	20.0	17.9	
50 Tetrahydrofuran	72	4.897	4.897	0.000	64	13392	40.0	32.5	
51 Methacrylonitrile	67	4.915	4.915	0.000	95	245030	200.0	240.8	
52 Chloroform	83	4.934	4.934	0.000	98	92992	20.0	22.4	
53 Cyclohexane	56	5.050	5.050	0.000	95	121911	20.0	25.7	
\$ 54 Dibromofluoromethane (Surr)	113	5.062	5.062	0.000	96	96208	50.0	45.5	
55 1,1,1-Trichloroethane	97	5.068	5.062	0.006	74	69130	20.0	22.9	
56 Carbon tetrachloride	117	5.159	5.159	0.000	96	49353	20.0	28.8	
57 1,1-Dichloropropene	75	5.184	5.178	0.006	95	72595	20.0	22.1	
58 Isobutyl alcohol	43	5.257	5.257	0.000	97	48463	500.0	872.6	
59 Isooctane	57	5.306	5.306	0.000	95	212991	20.0	25.4	
60 Benzene	78	5.342	5.336	0.006	98	219429	20.0	24.4	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.348	0.000	95	134881	50.0	55.8	
62 Isopropyl acetate	43	5.360	5.360	0.000	96	181390	20.0	30.5	
63 Tert-amyl methyl ether	87	5.379	5.379	0.000	91	48335	20.0	24.7	
64 1,2-Dichloroethane	62	5.409	5.409	0.000	96	76451	20.0	26.4	
65 n-Heptane	71	5.440	5.434	0.006	96	75090	20.0	24.3	
* 66 Fluorobenzene	96	5.562	5.562	0.000	97	454488	50.0	50.0	
67 n-Butanol	56	5.775	5.775	0.000	94	25061	500.0	747.0	
68 Trichloroethene	95	5.848	5.848	0.000	95	52306	20.0	21.1	
70 Ethyl acrylate	55	5.927	5.921	0.006	97	67102	20.0	25.9	a
69 Methylcyclohexane	83	5.958	5.958	0.000	96	105268	20.0	22.9	
71 1,2-Dichloropropane	63	6.098	6.098	0.000	90	59602	20.0	23.7	
* 72 1,4-Dioxane-d8	96	6.129	6.135	-0.006	93	25372	1000.0	1000.0	
73 Methyl methacrylate	100	6.135	6.135	0.000	94	22627	40.0	43.5	
74 n-Propyl acetate	43	6.171	6.171	0.000	98	78711	20.0	30.2	
76 1,4-Dioxane	88	6.190	6.183	0.007	58	12735	400.0	468.5	
75 Dibromomethane	93	6.214	6.208	0.006	90	31770	20.0	21.6	
77 Dichlorobromomethane	83	6.336	6.336	0.000	99	59394	20.0	25.2	
78 2-Chloroethyl vinyl ether	63	6.604	6.604	0.000	95	34763	20.0	24.0	
79 2-Nitropropane	41	6.622	6.616	0.006	86	13950	40.0	74.9	a
80 Epichlorohydrin	57	6.708	6.702	0.006	99	106776	400.0	439.9	
81 cis-1,3-Dichloropropene	75	6.750	6.744	0.006	93	76030	20.0	28.3	
82 4-Methyl-2-pentanone (MIBK)	43	6.860	6.860	0.000	97	308961	100.0	115.4	
\$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	98	375111	50.0	51.1	
84 Toluene	91	6.994	6.988	0.006	94	206293	20.0	23.2	
85 trans-1,3-Dichloropropene	75	7.208	7.208	0.000	92	66580	20.0	34.1	
86 Ethyl methacrylate	69	7.208	7.208	0.000	85	64116	20.0	23.6	
87 1,1,2-Trichloroethane	83	7.354	7.348	0.006	93	38550	20.0	25.4	
88 Tetrachloroethene	166	7.397	7.391	0.007	96	41294	20.0	19.8	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	97	75416	20.0	24.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 2-Hexanone	43	7.500	7.500	0.000	99	186925	100.0	108.9	
91 n-Butyl acetate	73	7.549	7.555	-0.006	99	12593	20.0	26.5	
92 Chlorodibromomethane	129	7.628	7.628	0.000	98	32042	20.0	25.7	
93 Ethylene Dibromide	107	7.726	7.726	0.000	96	38973	20.0	24.8	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	90	290762	50.0	50.0	
95 Chlorobenzene	112	8.025	8.025	0.000	94	126182	20.0	23.0	
96 Ethylbenzene	106	8.061	8.061	0.000	99	67220	20.0	20.8	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.079	-0.006	92	37639	20.0	29.3	
98 m-Xylene & p-Xylene	106	8.140	8.134	0.006	100	85876	20.0	22.0	
99 n-Butyl acrylate	73	8.342	8.342	0.000	96	37425	20.0	29.7	
100 o-Xylene	106	8.390	8.390	0.000	92	87357	20.0	22.0	
101 Styrene	104	8.403	8.403	0.000	94	142110	20.0	23.2	
102 Amyl acetate (mixed isomers)	43	8.470	8.470	0.000	90	104467	20.0	32.8	
103 Bromoform	173	8.549	8.543	0.006	93	17311	20.0	27.5	
104 Isopropylbenzene	105	8.591	8.591	0.000	97	229260	20.0	21.9	
\$ 105 4-Bromofluorobenzene	174	8.720	8.720	0.000	83	92291	50.0	43.4	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	56107	20.0	24.0	
107 Bromobenzene	156	8.811	8.811	0.000	94	46596	20.0	20.4	
108 N-Propylbenzene	91	8.829	8.823	0.006	98	287380	20.0	24.6	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.835	0.006	71	16948	20.0	30.4	
110 1,2,3-Trichloropropane	110	8.848	8.841	0.007	90	16153	20.0	23.5	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	224757	20.0	22.7	
112 2-Chlorotoluene	91	8.902	8.902	0.000	96	216662	20.0	25.5	
113 1,3,5-Trimethylbenzene	105	8.921	8.921	0.000	92	204358	20.0	24.2	
114 Butyl Methacrylate	87	8.951	8.945	0.006	91	70834	20.0	25.2	
115 4-Chlorotoluene	91	8.969	8.963	0.006	99	165486	20.0	25.3	
116 tert-Butylbenzene	119	9.104	9.104	0.000	92	150315	20.0	23.2	
117 1,2,4-Trimethylbenzene	105	9.140	9.134	0.006	98	206022	20.0	23.8	
118 sec-Butylbenzene	105	9.226	9.226	0.000	99	260140	20.0	24.0	
119 4-Isopropyltoluene	119	9.305	9.299	0.006	97	210760	20.0	22.8	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	93	102226	20.0	22.6	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.372	0.006	96	149519	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.384	0.006	72	101500	20.0	22.1	
123 1,2,3-Trimethylbenzene	105	9.390	9.390	0.000	98	220140	20.0	23.7	
124 Benzyl chloride	91	9.469	9.469	0.000	96	65816	20.0	35.5	
125 2,3-Dihydroindene	117	9.524	9.518	0.006	91	221074	20.0	22.5	
126 p-Diethylbenzene	119	9.530	9.524	0.006	93	125292	20.0	22.8	
127 n-Butylbenzene	92	9.549	9.543	0.006	98	125703	20.0	24.2	
128 1,2-Dichlorobenzene	146	9.622	9.622	0.000	92	101456	20.0	21.5	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.036	0.006	96	214791	20.0	25.4	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.152	0.006	84	9116	20.0	32.2	
131 1,3,5-Trichlorobenzene	180	10.250	10.250	0.000	95	82694	20.0	22.2	
132 1,2,4-Trichlorobenzene	180	10.768	10.762	0.006	94	69643	20.0	24.0	
133 Hexachlorobutadiene	225	10.841	10.835	0.006	95	32152	20.0	23.2	
134 Naphthalene	128	11.012	11.006	0.006	99	172117	20.0	32.6	
135 1,2,3-Trichlorobenzene	180	11.237	11.231	0.006	94	61453	20.0	32.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.3	
S 137 Xylenes, Total	100				0		40.0	43.9	
S 138 Total BTEX	1				0		100.0	112.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00109	Amount Added: 4.00	Units: uL	
GASES Li_00376	Amount Added: 20.00	Units: uL	
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200713-113190.b\A91146.D

Injection Date: 14-Jul-2020 00:01:30

Instrument ID: CVOAMS1

Operator ID: VOA GC/MS1

Lims ID: LCSD

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

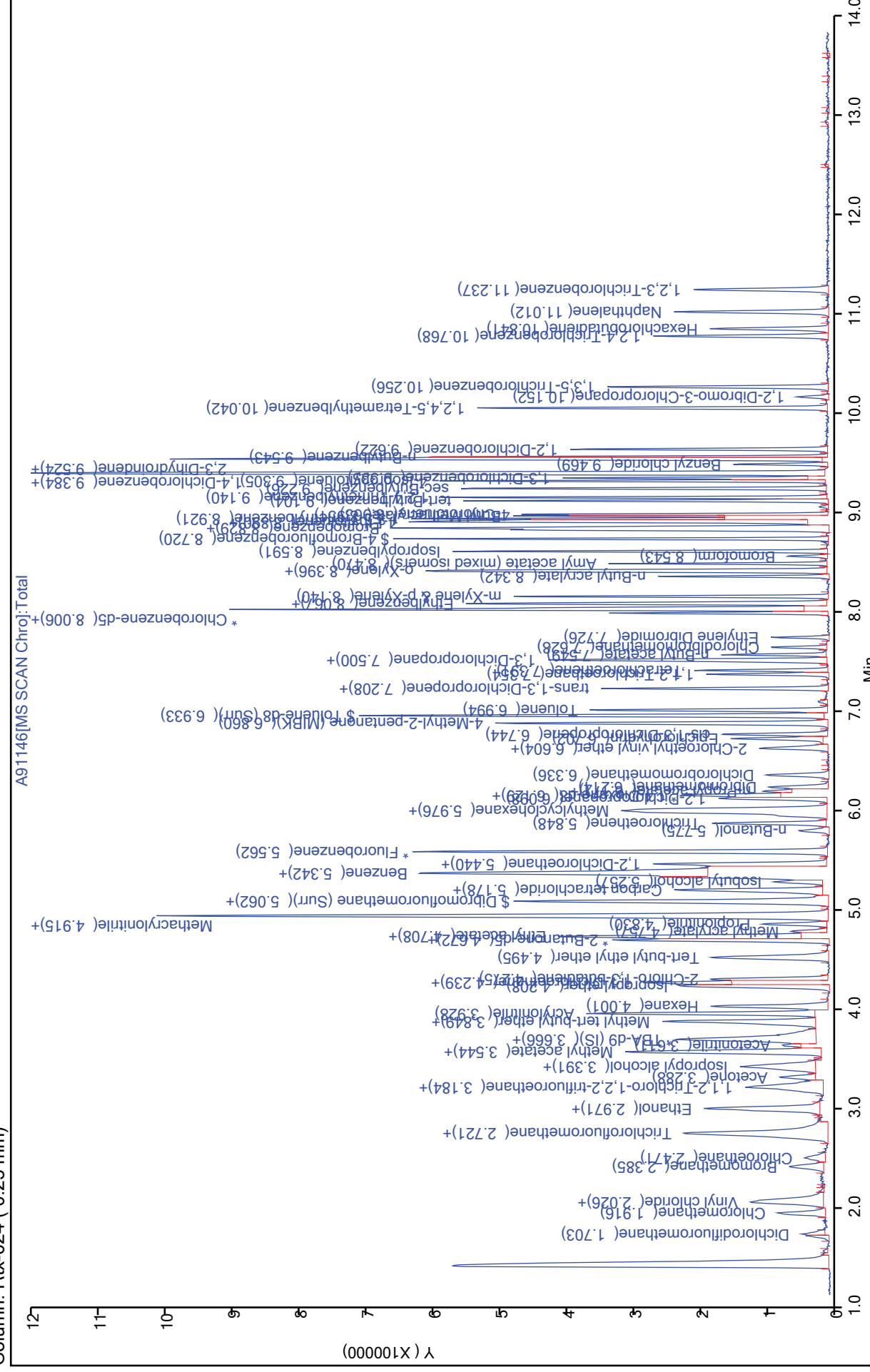
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260624W_1

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-10D-20200629 MS Lab Sample ID: 410-6533-3 MS
 Matrix: Ground Water Lab File ID: N21620.D
 Analysis Method: 8260C Date Collected: 06/29/2020 14:46
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 14:18
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	19.6		1.0	0.20
100-41-4	Ethylbenzene	17.5		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	17.7		1.0	0.47
108-88-3	Toluene	18.0		1.0	0.38
1330-20-7	Xylenes, Total	34.0		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
1868-53-7	Dibromofluoromethane (Surr)	90		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene	100		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21620.D
 Lims ID: 410-6533-A-3 MS
 Client ID: MW-10D-20200629
 Sample Type: MS
 Inject. Date: 10-Jul-2020 14:18:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-A-3 MS
 Misc. Info.: 460-0113014-016
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 15:29:05 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1036

First Level Reviewer: xuyvo

Date: 10-Jul-2020 15:29:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoromethane	69	1.103	1.115	-0.012	29	953		4.84	
2 Monochloropentafluoroethane	119	1.262	1.255	0.007	55	1644		10.8	
4 Chlorotrifluoroethene	116	1.347	1.340	0.007	56	11236		19.3	
3 1,1-Difluoroethane	51	1.353	1.353	0.000	97	39330		19.2	
5 Dichlorodifluoromethane	87	1.383	1.389	-0.006	99	12866	20.0	14.5	
6 Chlorodifluoromethane	51	1.395	1.395	0.000	97	54807		20.7	
7 Chloromethane	52	1.541	1.548	-0.007	99	22605	20.0	12.4	
8 Vinyl chloride	62	1.627	1.621	0.006	97	58033	20.0	14.7	
9 Butadiene	54	1.633	1.627	0.006	94	41298	20.0	12.9	
10 Bromomethane	94	1.894	1.888	0.006	99	39029	20.0	14.7	
11 Chloroethane	64	1.955	1.949	0.006	100	32684	20.0	16.3	
12 Dichlorofluoromethane	67	2.132	2.126	0.006	98	77882	20.0	17.1	
13 Trichlorofluoromethane	101	2.138	2.132	0.006	57	44130	20.0	14.2	
14 Pentane	72	2.150	2.150	0.000	96	12733	40.0	34.0	
15 Ethanol	46	2.314	2.302	0.012	87	11657	800.0	810.0	
16 Ethyl ether	74	2.332	2.326	0.006	89	26402	20.0	19.6	
17 2-Methyl-1,3-butadiene	53	2.351	2.345	0.006	96	33239	20.0	18.4	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.381	2.381	0.000	84	29191		16.8	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.442	2.436	0.006	92	49945		17.4	a
20 Acrolein	56	2.490	2.484	0.006	93	15145	40.0	40.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.515	2.515	0.000	69	32363	20.0	17.9	
22 1,1-Dichloroethene	96	2.533	2.527	0.006	98	33273	20.0	17.4	
23 Acetone	58	2.606	2.600	0.006	87	24968	100.0	76.5	
24 Iodomethane	142	2.679	2.673	0.006	97	69785	20.0	17.4	
25 Isopropyl alcohol	45	2.685	2.691	-0.006	99	32921	200.0	210.2	
26 Carbon disulfide	76	2.709	2.703	0.006	100	140546	20.0	19.1	
27 3-Chloro-1-propene	76	2.825	2.825	0.000	96	24099	20.0	18.9	
28 Methyl acetate	74	2.837	2.831	0.006	99	17067	40.0	34.5	
29 Cyclopentene	67	2.843	2.843	0.000	94	91747	20.0	18.9	
30 Acetonitrile	41	2.892	2.886	0.006	98	79229	200.0	199.0	
* 31 TBA-d9 (IS)	66	2.935	2.941	-0.006	89	44183	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methylene Chloride	84	2.953	2.947	0.006	98	48214	20.0	18.5	
33 2-Methyl-2-propanol	59	3.001	3.008	-0.007	99	45224	200.0	173.2	
34 Methyl tert-butyl ether	73	3.105	3.099	0.006	97	104630	20.0	17.7	
35 trans-1,2-Dichloroethene	96	3.129	3.123	0.006	98	39562	20.0	18.4	
36 Acrylonitrile	53	3.196	3.190	0.006	95	222747	200.0	184.3	
37 Hexane	56	3.275	3.269	0.006	94	22579	20.0	21.5	
38 Isopropyl ether	45	3.476	3.476	0.000	97	149652	20.0	19.3	
39 1,1-Dichloroethane	63	3.506	3.500	0.006	99	77089	20.0	19.9	
40 Vinyl acetate	86	3.519	3.513	0.006	100	15691	40.0	29.2	
41 2-Chloro-1,3-butadiene	88	3.549	3.543	0.006	91	32232	20.0	17.9	
42 Tert-butyl ethyl ether	59	3.786	3.774	0.012	89	115596	20.0	18.4	
* 43 2-Butanone-d5	46	3.969	3.963	0.006	99	385167	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.987	0.000	92	14346	20.0	15.3	
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	93	44372	20.0	18.6	
46 2-Butanone (MEK)	72	4.023	4.017	0.006	98	28955	100.0	78.8	
47 Ethyl acetate	70	4.030	4.024	0.006	96	9848	40.0	29.7	
48 Methyl acrylate	55	4.078	4.072	0.006	99	42789	20.0	20.1	
49 Propionitrile	54	4.151	4.145	0.006	98	84656	200.0	190.1	
50 Tetrahydrofuran	72	4.224	4.218	0.006	71	12592	40.0	32.0	
51 Chlorobromomethane	128	4.224	4.224	0.000	94	21758	20.0	17.9	
52 Methacrylonitrile	67	4.255	4.249	0.006	94	213116	200.0	199.7	
53 Chloroform	83	4.279	4.273	0.006	98	65505	20.0	17.4	
54 Cyclohexane	84	4.407	4.401	0.006	95	49943	20.0	18.6	
55 1,1,1-Trichloroethane	97	4.419	4.419	0.000	96	46458	20.0	16.1	
\$ 56 Dibromofluoromethane (Surr)	113	4.431	4.425	0.006	96	99823	50.0	45.2	
57 Carbon tetrachloride	117	4.528	4.535	-0.007	96	36804	20.0	16.5	
58 1,1-Dichloropropene	75	4.565	4.559	0.006	95	46799	20.0	18.1	
59 Isobutyl alcohol	43	4.687	4.681	0.006	94	66795	500.0	489.0	
60 Isooctane	57	4.729	4.729	0.000	90	69044	20.0	19.2	
61 Benzene	78	4.754	4.754	0.000	97	163999	20.0	19.6	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.772	4.766	0.006	96	120478	50.0	45.0	
64 Isopropyl acetate	43	4.820	4.814	0.006	93	133727	20.0	19.1	
63 Tert-amyl methyl ether	73	4.820	4.821	-0.001	91	115027	20.0	18.6	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	95	52937	20.0	17.8	
66 n-Heptane	57	4.906	4.906	0.000	95	19687	20.0	23.3	
* 67 Fluorobenzene	96	5.039	5.033	0.006	98	484831	50.0	50.0	
68 n-Butanol	56	5.338	5.332	0.006	92	28845	500.0	490.7	
69 Trichloroethene	95	5.380	5.380	0.000	97	33411	20.0	16.4	
71 Methylcyclohexane	83	5.502	5.502	0.000	72	50562	20.0	20.2	
70 Ethyl acrylate	99	5.502	5.508	-0.006	96	5222	20.0	19.2	a
72 1,2-Dichloropropane	63	5.666	5.660	0.006	90	43107	20.0	19.3	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	75	30269	1000.0	1000.0	
74 Methyl methacrylate	100	5.751	5.745	0.006	94	18972	40.0	34.6	
75 1,4-Dioxane	88	5.776	5.770	0.006	85	11112	400.0	383.3	
76 Dibromomethane	93	5.788	5.788	0.000	98	25252	20.0	17.8	
77 n-Propyl acetate	43	5.806	5.800	0.006	99	68653	20.0	20.2	
78 Dichlorobromomethane	83	5.940	5.940	0.000	98	45302	20.0	17.8	
79 2-Nitropropane	41	6.281	6.275	0.006	99	19093	40.0	30.6	
81 Epichlorohydrin	57	6.384	6.378	0.006	100	76643	400.0	273.6	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.000	93	57519	20.0	18.7	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.603	0.000	98	248392	100.0	82.9	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	401590	50.0	49.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Toluene	91	6.749	6.749	0.000	94	152706	20.0	18.0	
86 trans-1,3-Dichloropropene	75	7.102	7.096	0.006	99	48372	20.0	18.0	
87 Ethyl methacrylate	69	7.138	7.132	0.006	93	42495	20.0	16.8	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	95	30550	20.0	18.7	
89 Tetrachloroethene	166	7.351	7.351	0.000	96	31969	20.0	16.7	
90 1,3-Dichloropropane	76	7.522	7.516	0.006	95	60167	20.0	19.8	
91 2-Hexanone	58	7.588	7.582	0.006	98	81274	100.0	81.4	
92 n-Butyl acetate	43	7.704	7.704	0.000	99	65167	20.0	19.8	
93 Chlorodibromomethane	129	7.747	7.741	0.006	99	29850	20.0	17.7	
94 Ethylene Dibromide	107	7.893	7.893	0.000	99	33598	20.0	18.7	
* 95 Chlorobenzene-d5	117	8.440	8.434	0.006	87	336119	50.0	50.0	
96 Chlorobenzene	112	8.471	8.471	0.000	94	97572	20.0	18.5	
97 Ethylbenzene	106	8.580	8.580	0.000	98	48971	20.0	17.5	
98 1,1,1,2-Tetrachloroethane	131	8.598	8.592	0.006	93	32510	20.0	17.8	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	98	58578	20.0	17.4	
101 n-Butyl acrylate	73	9.249	9.249	0.000	66	25030	20.0	17.4	
100 o-Xylene	106	9.249	9.249	0.000	93	58582	20.0	16.7	
102 Styrene	104	9.286	9.286	0.000	93	95877	20.0	17.4	
104 Bromoform	173	9.529	9.523	0.006	94	19592	20.0	18.0	
103 Amyl acetate (mixed isomers)	43	9.529	9.523	0.006	90	69207	20.0	19.2	
105 Isopropylbenzene	105	9.681	9.681	0.000	97	138846	20.0	16.8	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	91	126355	50.0	50.2	
107 Bromobenzene	156	10.040	10.040	0.000	97	38877	20.0	16.7	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	52285	20.0	20.0	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	169417	20.0	17.9	
110 1,2,3-Trichloropropane	110	10.150	10.150	0.000	98	13640	20.0	18.1	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	79	12805	20.0	18.2	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	126409	20.0	18.1	
113 4-Ethyltoluene	105	10.259	10.259	0.000	98	138841	20.0	17.7	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	93	119706	20.0	17.5	
115 4-Chlorotoluene	91	10.363	10.363	0.000	98	115440	20.0	18.2	
116 Butyl Methacrylate	87	10.448	10.448	0.000	95	36780	20.0	16.6	
117 tert-Butylbenzene	119	10.636	10.636	0.000	93	88516	20.0	17.2	
118 1,2,4-Trimethylbenzene	105	10.697	10.697	0.000	98	126810	20.0	17.2	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	132895	20.0	18.3	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	95	76740	20.0	18.1	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	115427	20.0	18.0	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	183619	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.068	0.000	95	79199	20.0	17.9	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	98	140141	20.0	17.6	
125 Benzyl chloride	126	11.214	11.208	0.006	98	13735	20.0	17.2	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	94	142506	20.0	17.9	
127 p-Diethylbenzene	119	11.336	11.336	0.000	94	63682	20.0	19.0	
128 n-Butylbenzene	92	11.360	11.354	0.006	97	62064	20.0	20.1	
129 1,2-Dichlorobenzene	146	11.403	11.403	0.000	95	80948	20.0	17.7	
130 1,2,4,5-Tetramethylbenzene	119	12.005	12.005	0.000	98	109969	20.0	16.2	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	90	9735	20.0	17.2	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	96	58419	20.0	18.6	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	93	56370	20.0	17.6	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	95	13929	20.0	16.6	
135 Naphthalene	128	12.887	12.887	0.000	99	164097	20.0	17.9	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	95	53709	20.0	17.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 1,2-Dichloroethene, Total	100				0		40.0	36.9	
S 138 Xylenes, Total	100				0		40.0	34.0	
S 139 Total BTEX	1				0		100.0	89.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00376	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00108	Amount Added: 4.00	Units: uL	
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21620.D

Injection Date: 10-Jul-2020 14:18:30

Instrument ID: CVOAMS11

Operator ID:

Lims ID: 410-6533-A-3 MS

Worklist Smp#: 16

Client ID: MW-10D-20200629

Purge Vol: 5.000 mL

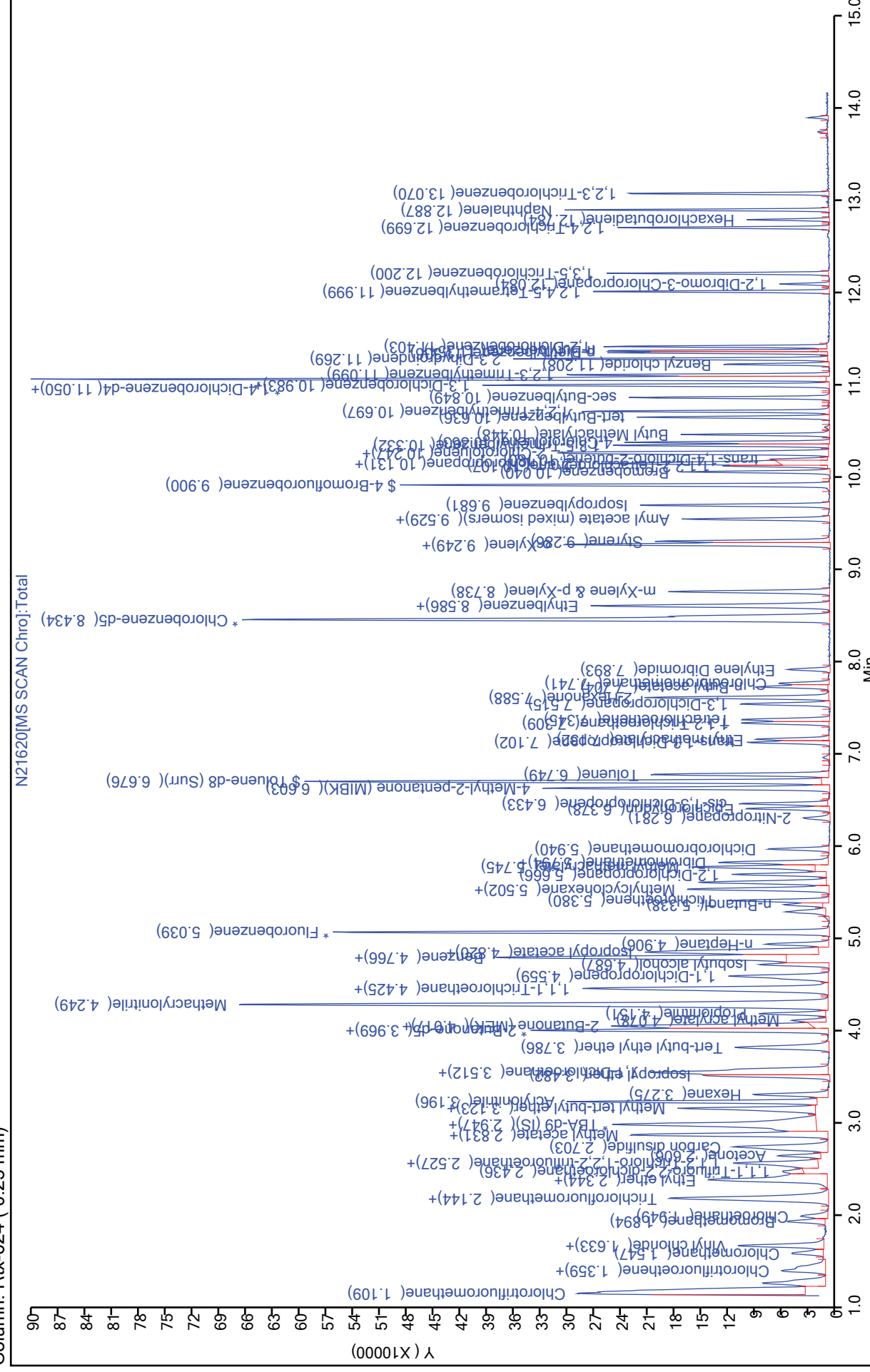
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8260W_11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-10D-20200629 MSD Lab Sample ID: 410-6533-3 MSD
 Matrix: Ground Water Lab File ID: N21621.D
 Analysis Method: 8260C Date Collected: 06/29/2020 14:46
 Sample wt/vol: 5 (mL) Date Analyzed: 07/10/2020 14:41
 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.: 707280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	21.0		1.0	0.20
100-41-4	Ethylbenzene	18.2		1.0	0.30
1634-04-4	Methyl tertiary butyl ether	19.6		1.0	0.47
108-88-3	Toluene	18.9		1.0	0.38
1330-20-7	Xylenes, Total	36.7		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
1868-53-7	Dibromofluoromethane (Surr)	93		77-124
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene	102		76-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21621.D
 Lims ID: 410-6533-B-3 MSD
 Client ID: MW-10D-20200629
 Sample Type: MSD
 Inject. Date: 10-Jul-2020 14:41:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-6533-B-3 MSD
 Misc. Info.: 460-0113014-017
 Operator ID: Instrument ID: CVOAMS11
 Method: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\8260W_11.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 10-Jul-2020 15:30:06 Calib Date: 13-May-2020 17:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20200513-110045.b\N19007.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1036

First Level Reviewer: xuyvo

Date: 10-Jul-2020 15:30:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoromethane	69	1.122	1.115	0.007	28	655		3.30	
4 Chlorotrifluoroethene	116	1.341	1.340	0.001	57	16366		28.0	
3 1,1-Difluoroethane	51	1.353	1.353	0.000	98	47406		23.0	
5 Dichlorodifluoromethane	87	1.371	1.389	-0.018	98	15544	20.0	17.4	
6 Chlorodifluoromethane	51	1.389	1.395	-0.006	97	65657		24.7	
7 Chloromethane	52	1.541	1.548	-0.007	98	23510	20.0	11.6	
8 Vinyl chloride	62	1.621	1.621	-0.001	96	60620	20.0	15.2	
9 Butadiene	54	1.621	1.627	-0.007	94	48592	20.0	15.1	
10 Bromomethane	94	1.882	1.888	-0.006	99	41322	20.0	15.5	
11 Chloroethane	64	1.943	1.949	-0.006	100	35314	20.0	17.5	
12 Dichlorofluoromethane	67	2.113	2.126	-0.013	98	83392	20.0	18.1	
13 Trichlorofluoromethane	101	2.119	2.132	-0.013	96	50329	20.0	16.1	
14 Pentane	72	2.144	2.150	-0.006	98	15754	40.0	37.2	
15 Ethanol	46	2.314	2.302	0.012	85	13823	800.0	851.0	
16 Ethyl ether	74	2.320	2.326	-0.006	92	27872	20.0	20.5	
17 2-Methyl-1,3-butadiene	53	2.338	2.345	-0.006	98	38210	20.0	21.0	
18 1,2-Dichloro-1,1,2-trifluoroethane	117	2.381	2.381	0.000	94	34833		19.9	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.430	2.436	-0.006	96	63649		22.0	a
20 Acrolein	56	2.484	2.484	0.000	94	20961	40.0	49.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.503	2.515	-0.012	96	35461	20.0	19.5	
22 1,1-Dichloroethene	96	2.521	2.527	-0.006	97	36113	20.0	18.8	
23 Acetone	58	2.600	2.600	0.000	87	31434	100.0	86.9	
24 Iodomethane	142	2.667	2.673	-0.006	97	72262	20.0	17.9	
25 Isopropyl alcohol	45	2.685	2.691	-0.006	99	38104	200.0	215.5	
26 Carbon disulfide	76	2.703	2.703	0.000	100	150090	20.0	20.2	
27 3-Chloro-1-propene	76	2.819	2.825	-0.006	95	24812	20.0	19.3	
28 Methyl acetate	74	2.831	2.831	0.000	99	18367	40.0	32.9	
29 Cyclopentene	67	2.837	2.843	-0.006	93	104801	20.0	21.4	
30 Acetonitrile	41	2.886	2.886	0.000	97	86682	200.0	193.0	
* 31 TBA-d9 (IS)	66	2.935	2.941	-0.006	88	49867	1000.0	1000.0	
32 Methylene Chloride	84	2.947	2.947	0.000	98	51429	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
33 2-Methyl-2-propanol	59	3.001	3.008	-0.007	99	53422	200.0	181.3	
34 Methyl tert-butyl ether	73	3.099	3.099	0.000	98	116143	20.0	19.6	
35 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	98	40961	20.0	18.9	
36 Acrylonitrile	53	3.190	3.190	0.000	96	257817	200.0	189.0	
37 Hexane	56	3.269	3.269	0.000	94	26831	20.0	25.4	
38 Isopropyl ether	45	3.476	3.476	0.000	95	161201	20.0	20.7	
39 1,1-Dichloroethane	63	3.500	3.500	0.000	98	81872	20.0	21.0	
40 Vinyl acetate	86	3.513	3.513	-0.001	100	18107	40.0	30.4	
41 2-Chloro-1,3-butadiene	88	3.549	3.543	0.006	91	34330	20.0	19.0	
42 Tert-butyl ethyl ether	59	3.780	3.774	0.006	89	126329	20.0	19.9	
* 43 2-Butanone-d5	46	3.963	3.963	0.000	95	426923	250.0	250.0	
44 2,2-Dichloropropane	79	3.987	3.987	0.000	81	15027	20.0	15.9	a
45 cis-1,2-Dichloroethene	96	4.005	4.005	0.000	93	45053	20.0	18.7	
46 2-Butanone (MEK)	72	4.017	4.017	0.000	96	32935	100.0	80.8	
47 Ethyl acetate	70	4.024	4.024	0.000	95	12367	40.0	33.6	
48 Methyl acrylate	55	4.072	4.072	0.000	99	49851	20.0	23.2	
49 Propionitrile	54	4.151	4.145	0.006	99	97823	200.0	194.6	
50 Tetrahydrofuran	72	4.218	4.218	0.000	67	14385	40.0	33.1	
51 Chlorobromomethane	128	4.224	4.224	0.000	92	23149	20.0	18.9	
52 Methacrylonitrile	67	4.249	4.249	0.000	94	241315	200.0	224.5	
53 Chloroform	83	4.273	4.273	0.000	97	68581	20.0	18.1	
54 Cyclohexane	84	4.401	4.401	0.000	95	58590	20.0	21.7	
55 1,1,1-Trichloroethane	97	4.419	4.419	0.000	97	51384	20.0	17.6	
\$ 56 Dibromofluoromethane (Surr)	113	4.425	4.425	0.000	97	103952	50.0	46.7	
57 Carbon tetrachloride	117	4.528	4.535	-0.007	98	40890	20.0	18.2	
58 1,1-Dichloropropene	75	4.559	4.559	0.000	96	50683	20.0	19.5	
59 Isobutyl alcohol	43	4.681	4.681	0.000	94	82678	500.0	536.3	
60 Isooctane	57	4.729	4.729	0.000	98	85141	20.0	23.5	
61 Benzene	78	4.754	4.754	0.000	97	173653	20.0	21.0	
\$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.766	4.766	0.000	94	125880	50.0	46.7	
64 Isopropyl acetate	43	4.814	4.814	0.000	93	150078	20.0	21.3	
63 Tert-amyl methyl ether	73	4.820	4.821	-0.001	77	124653	20.0	20.0	
65 1,2-Dichloroethane	62	4.845	4.845	0.000	94	56672	20.0	18.9	
66 n-Heptane	57	4.906	4.906	0.000	95	26823	20.0	31.6	
* 67 Fluorobenzene	96	5.033	5.033	0.000	98	488234	50.0	50.0	
68 n-Butanol	56	5.331	5.332	-0.001	92	35247	500.0	531.3	
69 Trichloroethene	95	5.374	5.380	-0.006	97	36288	20.0	17.7	
71 Methylcyclohexane	83	5.502	5.502	0.000	70	57415	20.0	22.8	
70 Ethyl acrylate	99	5.508	5.508	0.000	96	6150	20.0	22.6	
72 1,2-Dichloropropane	63	5.666	5.660	0.006	92	46331	20.0	20.6	
* 73 1,4-Dioxane-d8	96	5.715	5.715	0.000	81	34244	1000.0	1000.0	
74 Methyl methacrylate	100	5.745	5.745	0.000	94	22988	40.0	41.6	
75 1,4-Dioxane	88	5.770	5.770	0.000	92	14305	400.0	436.2	
76 Dibromomethane	93	5.788	5.788	0.000	97	26883	20.0	18.9	
77 n-Propyl acetate	43	5.800	5.800	0.000	99	75888	20.0	22.2	
78 Dichlorobromomethane	83	5.940	5.940	0.000	99	47022	20.0	18.4	
79 2-Nitropropane	41	6.274	6.275	0.000	98	21973	40.0	31.2	
81 Epichlorohydrin	57	6.378	6.378	0.000	100	88553	400.0	285.2	
82 cis-1,3-Dichloropropene	75	6.433	6.433	0.000	94	62151	20.0	20.5	
83 4-Methyl-2-pentanone (MIBK)	43	6.603	6.603	0.000	98	287915	100.0	86.6	
\$ 84 Toluene-d8 (Surr)	98	6.676	6.676	0.000	98	417103	50.0	52.4	
85 Toluene	91	6.749	6.749	0.000	94	157893	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
86 trans-1,3-Dichloropropene	75	7.102	7.096	0.006	95	52161	20.0	19.6	
87 Ethyl methacrylate	69	7.138	7.132	0.006	93	48464	20.0	19.1	
88 1,1,2-Trichloroethane	83	7.309	7.309	0.000	95	31695	20.0	19.6	
89 Tetrachloroethene	166	7.351	7.351	0.000	98	33477	20.0	17.7	
90 1,3-Dichloropropane	76	7.516	7.516	0.000	97	62261	20.0	20.7	
91 2-Hexanone	58	7.589	7.582	0.006	98	93854	100.0	84.8	
92 n-Butyl acetate	43	7.704	7.704	0.000	98	72525	20.0	22.3	
93 Chlorodibromomethane	129	7.741	7.741	0.000	98	31587	20.0	19.0	
94 Ethylene Dibromide	107	7.893	7.893	0.000	99	34783	20.0	19.6	
* 95 Chlorobenzene-d5	117	8.434	8.434	0.000	88	331896	50.0	50.0	
96 Chlorobenzene	112	8.471	8.471	0.000	94	101883	20.0	19.5	
97 Ethylbenzene	106	8.580	8.580	0.000	99	50366	20.0	18.2	
98 1,1,1,2-Tetrachloroethane	131	8.592	8.592	0.000	93	34084	20.0	18.9	
99 m-Xylene & p-Xylene	106	8.738	8.738	0.000	99	61247	20.0	18.4	
101 n-Butyl acrylate	73	9.249	9.249	0.000	69	27923	20.0	19.6	
100 o-Xylene	106	9.249	9.249	0.000	93	63635	20.0	18.3	
102 Styrene	104	9.292	9.286	0.006	96	100769	20.0	18.5	
104 Bromoform	173	9.529	9.523	0.006	53	21836	20.0	20.1	
103 Amyl acetate (mixed isomers)	43	9.529	9.523	0.006	90	75909	20.0	21.2	
105 Isopropylbenzene	105	9.681	9.681	0.000	96	150261	20.0	18.5	
\$ 106 4-Bromofluorobenzene	174	9.900	9.900	0.000	90	126365	50.0	50.8	
107 Bromobenzene	156	10.046	10.040	0.006	98	41526	20.0	17.9	
108 1,1,2,2-Tetrachloroethane	83	10.107	10.107	0.000	98	58452	20.0	22.4	
109 N-Propylbenzene	91	10.131	10.131	0.000	99	180774	20.0	19.2	
110 1,2,3-Trichloropropane	110	10.150	10.150	0.000	99	15309	20.0	20.4	
111 trans-1,4-Dichloro-2-butene	53	10.180	10.180	0.000	80	13922	20.0	19.9	a
112 2-Chlorotoluene	91	10.241	10.241	0.000	97	129917	20.0	18.7	
113 4-Ethyltoluene	105	10.259	10.259	0.000	97	147774	20.0	19.0	
114 1,3,5-Trimethylbenzene	105	10.332	10.332	0.000	92	129530	20.0	19.0	
115 4-Chlorotoluene	91	10.363	10.363	0.000	98	122830	20.0	19.5	
116 Butyl Methacrylate	87	10.448	10.448	0.000	95	40586	20.0	18.3	
117 tert-Butylbenzene	119	10.636	10.636	0.000	94	96840	20.0	19.0	
118 1,2,4-Trimethylbenzene	105	10.697	10.697	0.000	98	134313	20.0	18.3	
119 sec-Butylbenzene	105	10.849	10.849	0.000	99	146084	20.0	20.2	
120 1,3-Dichlorobenzene	146	10.977	10.977	0.000	94	80348	20.0	19.1	
121 4-Isopropyltoluene	119	10.989	10.989	0.000	97	123404	20.0	19.3	
* 122 1,4-Dichlorobenzene-d4	152	11.050	11.050	0.000	96	182647	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.068	11.068	0.000	95	82097	20.0	18.7	
124 1,2,3-Trimethylbenzene	105	11.099	11.099	0.000	98	147918	20.0	18.7	
125 Benzyl chloride	126	11.214	11.208	0.006	98	15436	20.0	19.5	
126 2,3-Dihydroindene	117	11.269	11.269	0.000	94	148511	20.0	18.7	
127 p-Diethylbenzene	119	11.336	11.336	0.000	92	64594	20.0	19.4	
128 n-Butylbenzene	92	11.360	11.354	0.006	98	68081	20.0	22.1	
129 1,2-Dichlorobenzene	146	11.403	11.403	0.000	95	85455	20.0	18.8	
130 1,2,4,5-Tetramethylbenzene	119	11.999	12.005	-0.006	97	115469	20.0	17.1	
131 1,2-Dibromo-3-Chloropropane	157	12.084	12.084	0.000	94	12420	20.0	22.1	
132 1,3,5-Trichlorobenzene	180	12.200	12.200	0.000	97	62096	20.0	19.9	
133 1,2,4-Trichlorobenzene	180	12.699	12.699	0.000	93	60322	20.0	19.0	
134 Hexachlorobutadiene	225	12.784	12.784	0.000	95	14438	20.0	17.3	
135 Naphthalene	128	12.887	12.887	0.000	99	176419	20.0	19.3	
136 1,2,3-Trichlorobenzene	180	13.070	13.070	0.000	96	60380	20.0	20.0	
S 137 1,2-Dichloroethene, Total	100				0		40.0	37.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	36.7	
S 139 Total BTEX	1				0		100.0	94.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00376	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00120	Amount Added: 20.00	Units: uL	
ACROLEIN W_00108	Amount Added: 4.00	Units: uL	
8260SURR250_00209	Amount Added: 1.00	Units: uL	Run Reagent
8260ISNEW_00139	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20200710-113014.b\N21621.D

Injection Date: 10-Jul-2020 14:41:30

Instrument ID: CVOAMS11

Lims ID: 410-6533-B-3 MSD

Client ID: MW-10D-20200629

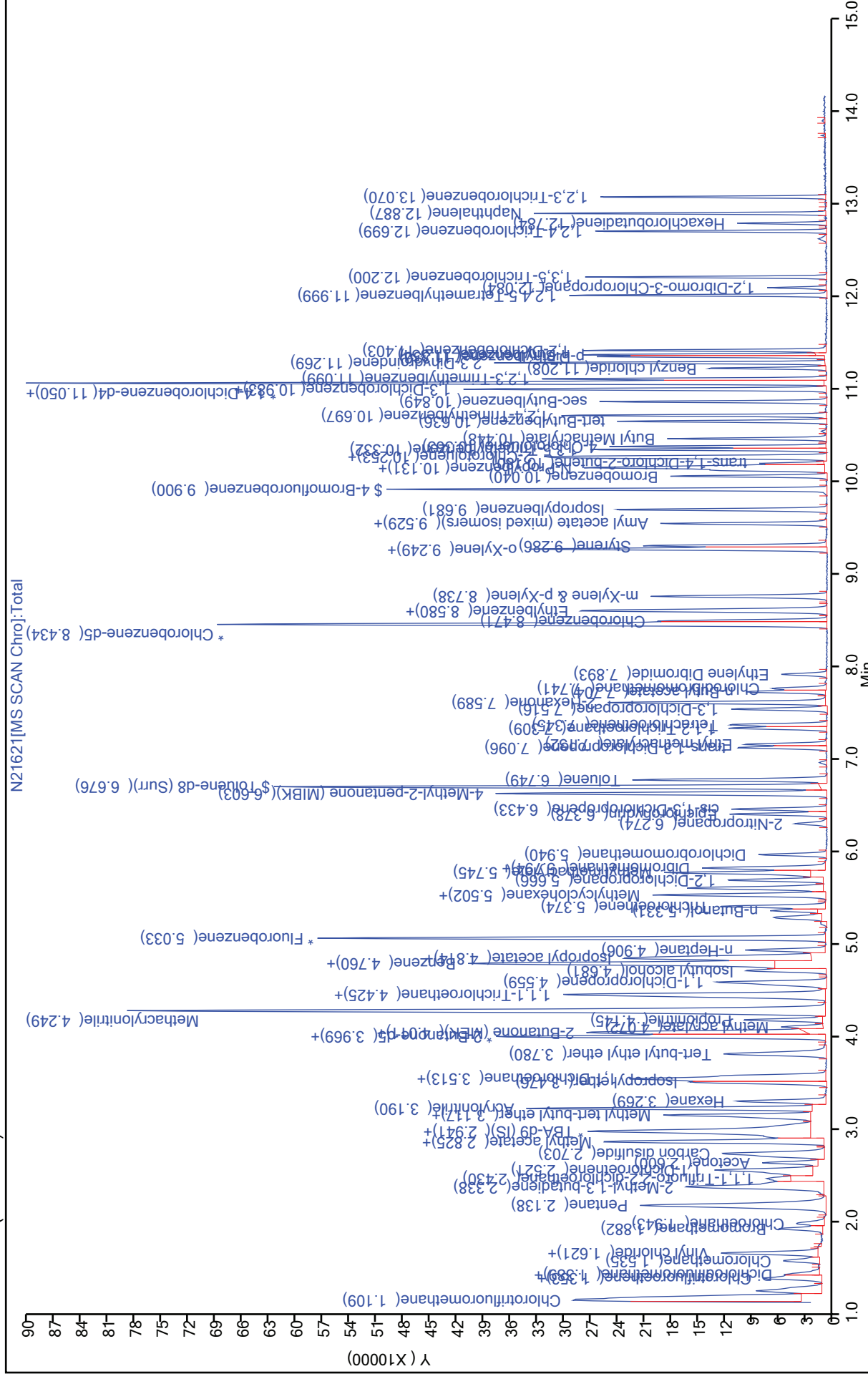
Purge Vol: 5.000 mL

1.0000

Method: 8260W 11

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Instrument ID: CVOAMS1 Start Date: 06/11/2020 01:12Analysis Batch Number: 700493 End Date: 06/11/2020 06:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-700493/1		06/11/2020 01:12	1	A89501.D	Rtx-624 0.25 (mm)
STD7 460-700493/3 IC		06/11/2020 02:04	1	A89503.D	Rtx-624 0.25 (mm)
STD1 460-700493/4 IC		06/11/2020 02:28	1	A89504.D	Rtx-624 0.25 (mm)
STD5 460-700493/5 IC		06/11/2020 02:52	1	A89505.D	Rtx-624 0.25 (mm)
STD20 460-700493/6 ICIS		06/11/2020 03:15	1	A89506.D	Rtx-624 0.25 (mm)
STD50 460-700493/7 IC		06/11/2020 03:39	1	A89507.D	Rtx-624 0.25 (mm)
STD200 460-700493/8 IC		06/11/2020 04:02	1	A89508.D	Rtx-624 0.25 (mm)
STD500 460-700493/9 IC		06/11/2020 04:26	1	A89509.D	Rtx-624 0.25 (mm)
ICV 460-700493/14		06/11/2020 06:58	1		Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Instrument ID: CVOAMS1 Start Date: 07/13/2020 21:58Analysis Batch Number: 708036 End Date: 07/14/2020 09:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-708036/1		07/13/2020 21:58	1	A91141.D	Rtx-624 0.25 (mm)
CCVIS 460-708036/4		07/13/2020 23:13	1	A91144.D	Rtx-624 0.25 (mm)
LCS 460-708036/5		07/13/2020 23:37	1	A91145.D	Rtx-624 0.25 (mm)
LCSD 460-708036/6		07/14/2020 00:01	1	A91146.D	Rtx-624 0.25 (mm)
MB 460-708036/10		07/14/2020 01:36	1	A91150.D	Rtx-624 0.25 (mm)
410-6533-1 RA		07/14/2020 02:24	1	A91152.D	Rtx-624 0.25 (mm)
ZZZZZ		07/14/2020 07:52	1		Rtx-624 0.25 (mm)
ZZZZZ		07/14/2020 08:16	1		Rtx-624 0.25 (mm)
ZZZZZ		07/14/2020 08:39	1		Rtx-624 0.25 (mm)
ZZZZZ		07/14/2020 09:03	1		Rtx-624 0.25 (mm)
ZZZZZ		07/14/2020 09:26	1		Rtx-624 0.25 (mm)
ZZZZZ		07/14/2020 09:50	1		Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Instrument ID: CVOAMS11 Start Date: 05/13/2020 14:11Analysis Batch Number: 694173 End Date: 05/13/2020 20:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-694173/1		05/13/2020 14:11	1	N18999.D	Rtx-624 0.25 (mm)
STD7 460-694173/3 IC		05/13/2020 14:57	1	N19001.D	Rtx-624 0.25 (mm)
STD1 460-694173/4 IC		05/13/2020 15:22	1	N19002.D	Rtx-624 0.25 (mm)
STD5 460-694173/5 IC		05/13/2020 15:45	1	N19003.D	Rtx-624 0.25 (mm)
STD20 460-694173/6 ICIS		05/13/2020 16:08	1	N19004.D	Rtx-624 0.25 (mm)
STD50 460-694173/7 IC		05/13/2020 16:30	1	N19005.D	Rtx-624 0.25 (mm)
STD200 460-694173/8 IC		05/13/2020 16:53	1	N19006.D	Rtx-624 0.25 (mm)
STD500 460-694173/9 IC		05/13/2020 17:15	1	N19007.D	Rtx-624 0.25 (mm)
ICV 460-694173/16		05/13/2020 20:30	1		Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Instrument ID: CVOAMS11 Start Date: 07/10/2020 07:48Analysis Batch Number: 707280 End Date: 07/10/2020 19:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-707280/1		07/10/2020 07:48	1	N21605.D	Rtx-624 0.25 (mm)
CCVIS 460-707280/4		07/10/2020 09:46	1	N21608.D	Rtx-624 0.25 (mm)
LCS 460-707280/5		07/10/2020 10:09	1	N21609.D	Rtx-624 0.25 (mm)
ZZZZZ		07/10/2020 10:32	1		Rtx-624 0.25 (mm)
MB 460-707280/10		07/10/2020 12:02	1	N21614.D	Rtx-624 0.25 (mm)
410-6533-21		07/10/2020 12:25	1	N21615.D	Rtx-624 0.25 (mm)
410-6533-11		07/10/2020 12:47	1	N21616.D	Rtx-624 0.25 (mm)
410-6533-3		07/10/2020 13:10	1	N21617.D	Rtx-624 0.25 (mm)
ZZZZZ		07/10/2020 13:33	1		Rtx-624 0.25 (mm)
410-6533-3 MS		07/10/2020 14:18	1	N21620.D	Rtx-624 0.25 (mm)
410-6533-3 MSD		07/10/2020 14:41	1	N21621.D	Rtx-624 0.25 (mm)
410-6533-2		07/10/2020 15:26	1	N21623.D	Rtx-624 0.25 (mm)
410-6533-5		07/10/2020 16:11	1	N21625.D	Rtx-624 0.25 (mm)
410-6533-6		07/10/2020 16:34	1	N21626.D	Rtx-624 0.25 (mm)
410-6533-7		07/10/2020 16:56	1	N21627.D	Rtx-624 0.25 (mm)
410-6533-8		07/10/2020 17:19	1	N21628.D	Rtx-624 0.25 (mm)
410-6533-9		07/10/2020 17:41	1	N21629.D	Rtx-624 0.25 (mm)
410-6533-10		07/10/2020 18:04	1	N21630.D	Rtx-624 0.25 (mm)
410-6533-12		07/10/2020 18:27	1	N21631.D	Rtx-624 0.25 (mm)
410-6533-13		07/10/2020 18:49	1	N21632.D	Rtx-624 0.25 (mm)
410-6533-14		07/10/2020 19:12	1	N21633.D	Rtx-624 0.25 (mm)
410-6533-15		07/10/2020 19:34	1	N21634.D	Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Instrument ID: CVOAMS11 Start Date: 07/10/2020 20:13Analysis Batch Number: 707433 End Date: 07/11/2020 08:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-707433/1		07/10/2020 20:13	1	N21637.D	Rtx-624 0.25 (mm)
CCVIS 460-707433/3		07/10/2020 20:57	1	N21639.D	Rtx-624 0.25 (mm)
LCS 460-707433/4		07/10/2020 21:19	1	N21640.D	Rtx-624 0.25 (mm)
LCSD 460-707433/5		07/10/2020 21:42	1	N21641.D	Rtx-624 0.25 (mm)
MB 460-707433/9		07/10/2020 23:13	1	N21645.D	Rtx-624 0.25 (mm)
ZZZZZ		07/10/2020 23:36	1		Rtx-624 0.25 (mm)
410-6533-16		07/11/2020 00:03	1	N21647.D	Rtx-624 0.25 (mm)
410-6533-4		07/11/2020 00:26	1	N21648.D	Rtx-624 0.25 (mm)
410-6533-17		07/11/2020 03:13	1	N21649.D	Rtx-624 0.25 (mm)
410-6533-18		07/11/2020 03:35	1	N21650.D	Rtx-624 0.25 (mm)
410-6533-19		07/11/2020 03:58	1	N21651.D	Rtx-624 0.25 (mm)
410-6533-20		07/11/2020 04:21	1	N21652.D	Rtx-624 0.25 (mm)
410-6533-1		07/11/2020 04:43	5	N21653.D	Rtx-624 0.25 (mm)
ZZZZZ		07/11/2020 05:06	1		Rtx-624 0.25 (mm)
ZZZZZ		07/11/2020 05:51	1		Rtx-624 0.25 (mm)
ZZZZZ		07/11/2020 06:14	1		Rtx-624 0.25 (mm)
ZZZZZ		07/11/2020 06:37	1		Rtx-624 0.25 (mm)
ZZZZZ		07/11/2020 06:59	1		Rtx-624 0.25 (mm)
ZZZZZ		07/11/2020 07:45	1		Rtx-624 0.25 (mm)
ZZZZZ		07/11/2020 08:07	1		Rtx-624 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Batch Number: 707280 Batch Start Date: 07/10/20 07:48 Batch Analyst: Sgro, Angela M

Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260ISNEW 00139	8260MIX1COMB 00120	8260SURRE250 00209	ACROLEIN W 00108
BFB		8260C		5 mL	5				
460-707280/1		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
CCVIS		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
460-707280/4		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
LCS		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
460-707280/5		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
MB		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
460-707280/10		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-D-21	TB-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-11	FB-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-3	MW-10D-20200629	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-3 MS	MW-10D-20200629	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-B-3	MW-10D-20200629	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
MSD		8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-2	MW-10S-20200629	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-5	MW-8D-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-B-6	MW-11S-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-B-7	MW-11D-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-B-8	MW-7S-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-B-9	MW-7D-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-10	MW-14S-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-12	MW-14D-20200630	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-13	MW-4S-20200701	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-A-14	MW-4D-20200701	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
410-6533-B-15	MW-3-20200701	8260C	T	5 mL	5 mL	1 uL	20 uL	1 uL	4 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB 00026	GASES Li 00376		
BFB		8260C		1 uL			
460-707280/1		8260C		20 uL			
CCVIS		8260C		20 uL			
460-707280/4		8260C		20 uL			
LCS		8260C		20 uL			
460-707280/5		8260C		20 uL			
MB		8260C		20 uL			
460-707280/10		8260C		20 uL			

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: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Batch Number: 707280 Batch Start Date: 07/10/20 07:48 Batch Analyst: Sgro, Angela M

Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method	Chain	Basis	BFB 00026	GASES Li 00376		
410-6533-D-21	TB-20200630	8260C		T				
410-6533-A-11	FB-20200630	8260C		T				
410-6533-A-3	MW-10D-20200629	8260C		T				
410-6533-A-3 MS	MW-10D-20200629	8260C		T		20 uL		
410-6533-B-3 MSD	MW-10D-20200629	8260C		T		20 uL		
410-6533-A-2	MW-10S-20200629	8260C		T				
410-6533-A-5	MW-8D-20200630	8260C		T				
410-6533-B-6	MW-11S-20200630	8260C		T				
410-6533-B-7	MW-11D-20200630	8260C		T				
410-6533-B-8	MW-7S-20200630	8260C		T				
410-6533-B-9	MW-7D-20200630	8260C		T				
410-6533-A-10	MW-14S-20200630	8260C		T				
410-6533-A-12	MW-14D-20200630	8260C		T				
410-6533-A-13	MW-4S-20200701	8260C		T				
410-6533-A-14	MW-4D-20200701	8260C		T				
410-6533-B-15	MW-3-20200701	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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Batch Number: 707433 Batch Start Date: 07/10/20 20:13 Batch Analyst: Boykin, Kenneth

Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260ISNEW 00139	8260MIX1COMB 00120	8260SURRE250 00209	ACROLEIN W 00108
BFB		8260C		5 mL	5				
CCVIS	460-707433/1	8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
	460-707433/3	8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
ICS	460-707433/4	8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
LCSD	460-707433/5	8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
MB 460-707433/9		8260C		5 mL	5 mL	1 uL		1 uL	
410-6533-B-16	MW-13S-20200701	8260C	T	5 mL	5 mL	1 uL		1 uL	
410-6533-B-4	MW-8S-20200629	8260C	T	5 mL	5 mL	1 uL		1 uL	
410-6533-A-17	MW-13D-20200701	8260C	T	5 mL	5 mL	1 uL		1 uL	
410-6533-B-18	MW-12S-20200701	8260C	T	5 mL	5 mL	1 uL		1 uL	
410-6533-A-19	MW-12D-20200701	8260C	T	5 mL	5 mL	1 uL		1 uL	
410-6533-A-20	DUP-20200701	8260C	T	5 mL	5 mL	1 uL		1 uL	
410-6533-A-1	MW-1-20200629	8260C	T	5 mL	5 mL	1 uL		1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB 00026	GASES Li 00376		
BFB		8260C		1 uL			
CCVIS		8260C			20 uL		
460-707433/3							
ICS		8260C			20 uL		
460-707433/4							
LCSD		8260C			20 uL		
460-707433/5							
MB 460-707433/9							
410-6533-B-16	MW-13S-20200701	8260C	T				
410-6533-B-4	MW-8S-20200629	8260C	T				
410-6533-A-17	MW-13D-20200701	8260C	T				
410-6533-B-18	MW-12S-20200701	8260C	T				
410-6533-A-19	MW-12D-20200701	8260C	T				
410-6533-A-20	DUP-20200701	8260C	T				
410-6533-A-1	MW-1-20200629	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: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Batch Number: 707433 Batch Start Date: 07/10/20 20:13 Batch Analyst: Boykin, Kenneth

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: Eurofins TestAmerica, Edison Job No.: 410-6533-1

SDG No.: _____

Batch Number: 708036 Batch Start Date: 07/13/20 21:58 Batch Analyst: Starzec, Margaret

Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260ISNEW 00129	8260MIX1COMB 00120	8260SURRE250 00209	ACROLEIN W 00109
BFB	460-708036/1	8260C		5 mL	5 mL				
CCVIS	460-708036/4	8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
LCS	460-708036/5	8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
LCSD	460-708036/6	8260C		5 mL	5 mL	1 uL	20 uL	1 uL	4 uL
MB	460-708036/10	8260C		5 mL	5 mL	1 uL		1 uL	
410-6533-B-1	MW-1-20200629	8260C	T	5 mL	5 mL	1 uL		1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB 00026	GASES Li 00376		
BFB	460-708036/1	8260C		1 uL			
CCVIS	460-708036/4	8260C			20 uL		
LCS	460-708036/5	8260C			20 uL		
LCSD	460-708036/6	8260C			20 uL		
MB	460-708036/10	8260C					
410-6533-B-1	MW-1-20200629	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.

Method 8270D

Semivolatile Organic Compounds
(GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-5MS 30m ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHd14 #
MW-1-20200629	410-6533-1	64	65	95
MW-10S-20200629	410-6533-2	71	69	99
MW-10D-20200629	410-6533-3	64	62	95
MW-8S-20200629	410-6533-4	64	60	92
MW-8D-20200630	410-6533-5	56	55	91
MW-11S-20200630	410-6533-6	52	53	70
MW-11D-20200630	410-6533-7	61	62	92
MW-7S-20200630	410-6533-8	64	68	91
MW-7D-20200630	410-6533-9	55	61	77
MW-14S-20200630	410-6533-10	61	67	92
FB-20200630	410-6533-11	56	58	88
MW-14D-20200630	410-6533-12	57	62	89
MW-4S-20200701	410-6533-13	67	69	79
MW-4D-20200701	410-6533-14	64	66	88
MW-3-20200701	410-6533-15	54	57	76
MW-13S-20200701	410-6533-16	63	61	75
MW-13S-20200701 DL	410-6533-16 DL	58	60	69
MW-13D-20200701	410-6533-17	57	54	86
MW-12S-20200701	410-6533-18	62	62	82
MW-12D-20200701	410-6533-19	60	60	87
DUP-20200701	410-6533-20	21 X	24 X	38
	MB 410-19318/1-A	60	59	83
	MB 410-19320/1-A	64	64	101
	LCS 410-19318/2-A	80	79	93
	LCS 410-19320/2-A	80	79	103
	LCSD 410-19320/3-A	80	81	104
MW-10D-20200629 MS	410-6533-3 MS	71	71	83
MW-10D-20200629 MSD	410-6533-3 MSD	78	80	93

	<u>QC LIMITS</u>
NBZ = Nitrobenzene-d5 (Surr)	38-113
FBP = 2-Fluorobiphenyl (Surr)	44-102
TPHd14 = p-Terphenyl-d14 (Surr)	34-128

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: DG0403.D
 Lab ID: LCS 410-19318/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	50.1	41.4	83	52-114	
Acenaphthylene	50.2	40.6	81	56-127	
Anthracene	50.1	44.8	89	67-116	
Benzo[a]anthracene	50.0	47.0	94	68-123	
Benzo[a]pyrene	50.2	46.7	93	71-117	
Benzo[b]fluoranthene	50.1	48.7	97	69-121	
Benzo[g,h,i]perylene	50.1	48.4	97	60-119	
Benzo[k]fluoranthene	50.1	48.0	96	69-122	
Chrysene	50.0	43.5	87	65-121	
Dibenz(a,h)anthracene	50.2	50.6	101	63-128	
Fluoranthene	50.1	46.6	93	63-122	
Fluorene	50.1	42.9	86	56-115	
Indeno[1,2,3-cd]pyrene	50.2	47.2	94	59-123	
Naphthalene	50.4	38.3	76	51-102	
Phenanthrene	50.2	45.1	90	65-113	
Pyrene	50.4	43.1	86	65-115	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: DG0154.D
 Lab ID: LCS 410-19320/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	50.1	42.7	85	52-114	
Acenaphthylene	50.2	40.2	80	56-127	
Anthracene	50.1	46.6	93	67-116	
Benzo[a]anthracene	50.0	51.8	104	68-123	
Benzo[a]pyrene	50.2	48.9	97	71-117	
Benzo[b]fluoranthene	50.1	51.2	102	69-121	
Benzo[g,h,i]perylene	50.1	45.2	90	60-119	
Benzo[k]fluoranthene	50.1	52.4	105	69-122	
Chrysene	50.0	49.7	99	65-121	
Dibenz(a,h)anthracene	50.2	45.1	90	63-128	
Fluoranthene	50.1	47.1	94	63-122	
Fluorene	50.1	46.4	93	56-115	
Indeno[1,2,3-cd]pyrene	50.2	45.4	91	59-123	
Naphthalene	50.4	37.0	74	51-102	
Phenanthrene	50.2	47.8	95	65-113	
Pyrene	50.4	48.0	95	65-115	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: DG0155.D
 Lab ID: LCSD 410-19320/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	50.1	43.3	87	2	30	52-114	
Acenaphthylene	50.2	41.4	82	3	30	56-127	
Anthracene	50.1	46.9	94	1	30	67-116	
Benzo[a]anthracene	50.0	52.4	105	1	30	68-123	
Benzo[a]pyrene	50.2	47.8	95	2	30	71-117	
Benzo[b]fluoranthene	50.1	50.5	101	1	30	69-121	
Benzo[g,h,i]perylene	50.1	44.5	89	2	30	60-119	
Benzo[k]fluoranthene	50.1	51.0	102	3	30	69-122	
Chrysene	50.0	48.3	97	3	30	65-121	
Dibenz(a,h)anthracene	50.2	44.0	88	2	30	63-128	
Fluoranthene	50.1	46.6	93	1	30	63-122	
Fluorene	50.1	47.7	95	3	30	56-115	
Indeno[1,2,3-cd]pyrene	50.2	43.9	88	3	30	59-123	
Naphthalene	50.4	38.4	76	4	30	51-102	
Phenanthrene	50.2	47.9	95	0	30	65-113	
Pyrene	50.4	48.2	96	1	30	65-115	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: DG0418.D
 Lab ID: 410-6533-3 MS Client ID: MW-10D-20200629 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	52.2	ND	37.9	73	52-114	
Acenaphthylene	52.2	ND	38.0	73	56-127	
Anthracene	52.2	ND	42.9	82	67-116	
Benzo[a]anthracene	52.1	ND	47.0	90	68-123	
Benzo[a]pyrene	52.3	ND	45.5	87	71-117	
Benzo[b]fluoranthene	52.2	ND	45.4	87	69-121	
Benzo[g,h,i]perylene	52.2	ND	43.5	83	60-119	
Benzo[k]fluoranthene	52.2	ND	45.8	88	69-122	
Chrysene	52.1	ND	43.4	83	65-121	
Dibenz(a,h)anthracene	52.3	ND	46.8	89	63-128	
Fluoranthene	52.2	ND	45.2	87	63-122	
Fluorene	52.2	ND	41.0	79	56-115	
Indeno[1,2,3-cd]pyrene	52.3	ND	44.4	85	59-123	
Naphthalene	52.5	ND	34.5	66	51-102	
Phenanthrene	52.3	ND	43.1	83	65-113	
Pyrene	52.5	ND	41.7	79	65-115	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: DG0419.D
 Lab ID: 410-6533-3 MSD Client ID: MW-10D-20200629 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	52.6	43.0	82	13	30	52-114	
Acenaphthylene	52.7	42.8	81	12	30	56-127	
Anthracene	52.7	47.5	90	10	30	67-116	
Benzo[a]anthracene	52.6	52.0	99	10	30	68-123	
Benzo[a]pyrene	52.7	50.2	95	10	30	71-117	
Benzo[b]fluoranthene	52.7	50.0	95	10	30	69-121	
Benzo[g,h,i]perylene	52.6	47.3	90	8	30	60-119	
Benzo[k]fluoranthene	52.6	51.1	97	11	30	69-122	
Chrysene	52.5	47.1	90	8	30	65-121	
Dibenz(a,h)anthracene	52.7	52.1	99	11	30	63-128	
Fluoranthene	52.6	50.1	95	10	30	63-122	
Fluorene	52.7	46.5	88	13	30	56-115	
Indeno[1,2,3-cd]pyrene	52.7	48.3	92	8	30	59-123	
Naphthalene	52.9	38.1	72	10	30	51-102	
Phenanthrene	52.7	47.4	90	9	30	65-113	
Pyrene	53.0	46.3	87	10	30	65-115	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
 SDG No.: _____
 Lab File ID: DG0402.D Lab Sample ID: MB 410-19318/1-A
 Matrix: Water Date Extracted: 07/04/2020 07:23
 Instrument ID: HP19760 Date Analyzed: 07/08/2020 22:12
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-19318/2-A	DG0403.D	07/08/2020 22:41
MW-1-20200629	410-6533-1	DG0415.D	07/09/2020 04:21
MW-10S-20200629	410-6533-2	DG0416.D	07/09/2020 04:49
MW-10D-20200629	410-6533-3	DG0417.D	07/09/2020 05:18
MW-10D-20200629 MS	410-6533-3 MS	DG0418.D	07/09/2020 05:46
MW-10D-20200629 MSD	410-6533-3 MSD	DG0419.D	07/09/2020 06:14
MW-8S-20200629	410-6533-4	DG0420.D	07/09/2020 06:43
MW-8D-20200630	410-6533-5	DG0421.D	07/09/2020 07:11
MW-11S-20200630	410-6533-6	DG0461.D	07/09/2020 14:02
MW-11D-20200630	410-6533-7	DG0462.D	07/09/2020 14:31
MW-7S-20200630	410-6533-8	DG0463.D	07/09/2020 15:00
MW-7D-20200630	410-6533-9	DG0464.D	07/09/2020 15:28
MW-14S-20200630	410-6533-10	DG0465.D	07/09/2020 15:57
FB-20200630	410-6533-11	DG0535.D	07/10/2020 17:53
MW-14D-20200630	410-6533-12	DG0536.D	07/10/2020 18:21

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1
SDG No.: _____
Lab File ID: DG0153.D Lab Sample ID: MB 410-19320/1-A
Matrix: Water Date Extracted: 07/04/2020 07:28
Instrument ID: HP19760 Date Analyzed: 07/06/2020 11:55
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-19320/2-A	DG0154.D	07/06/2020 12:23
	LCSD 410-19320/3-A	DG0155.D	07/06/2020 12:52
MW-4S-20200701	410-6533-13	DG0159.D	07/06/2020 15:19
MW-4D-20200701	410-6533-14	DG0160.D	07/06/2020 15:49
MW-3-20200701	410-6533-15	DG0161.D	07/06/2020 16:18
MW-13S-20200701	410-6533-16	DG0162.D	07/06/2020 16:48
MW-13D-20200701	410-6533-17	DG0163.D	07/06/2020 17:18
MW-12S-20200701	410-6533-18	DG0164.D	07/06/2020 17:47
MW-12D-20200701	410-6533-19	DG0165.D	07/06/2020 18:16
DUP-20200701	410-6533-20	DG0202.D	07/06/2020 23:48
MW-13S-20200701 DL	410-6533-16 DL	DG0407.D	07/09/2020 00:34

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Lab File ID: DD0630.D DFTPP Injection Date: 04/15/2020

Instrument ID: HP19760 DFTPP Injection Time: 15:22

Analysis Batch No.: 10557

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	46.0
68	Less than 2% of mass 69	0.6 (1.2) 1
69	Mass 69 Relative abundance	49.0
70	Less than 2% of mass 69	0.2 (0.4) 1
127	10-80% of Base Peak	53.1
197	Less than 2% of mass 198	0.5
198	Base peak	100.0
199	5-9% of mass 198	6.8
275	10-60% of Base Peak	20.5
365	Greater than 1% of mass 198	2.3
441	present but less than 24% of mass 442	10.3 (16.1) 2
442	Greater than 50% of mass 198	63.8
443	15-24% of mass 442	12.1 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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
	ICIS 410-10557/2	DD0631.D	04/15/2020	15:41
	IC 410-10557/3	DD0632.D	04/15/2020	19:18
	IC 410-10557/4	DD0633.D	04/15/2020	19:46
	IC 410-10557/5	DD0634.D	04/15/2020	20:14
	IC 410-10557/6	DD0635.D	04/15/2020	20:42
	IC 410-10557/7	DD0636.D	04/15/2020	21:11
	IC 410-10557/8	DD0637.D	04/15/2020	21:39
	IC 410-10557/9	DD0638.D	04/15/2020	22:07
	ICV 410-10557/12	DD0641.D	04/15/2020	23:31
	ICV 410-10557/13	DD0642.D	04/15/2020	23:59
	ICV 410-10557/14	DD0643.D	04/16/2020	0:28

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Lab File ID: DG0150a.D DFTPP Injection Date: 07/06/2020

Instrument ID: HP19760 DFTPP Injection Time: 08:42

Analysis Batch No.: 19473

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	56.6
68	Less than 2% of mass 69	0.9 (1.5) 1
69	Mass 69 Relative abundance	57.4
70	Less than 2% of mass 69	0.3 (0.5) 1
127	10-80% of Base Peak	57.3
197	Less than 2% of mass 198	0.6
198	Base peak	100.0
199	5-9% of mass 198	6.5
275	10-60% of Base Peak	21.1
365	Greater than 1% of mass 198	2.3
441	present but less than 24% of mass 442	8.7 (15.1) 2
442	Greater than 50% of mass 198	57.4
443	15-24% of mass 442	11.2 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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 410-19473/2	DG0151.D	07/06/2020	9:05
	MB 410-19320/1-A	DG0153.D	07/06/2020	11:55
	LCS 410-19320/2-A	DG0154.D	07/06/2020	12:23
	LCSD 410-19320/3-A	DG0155.D	07/06/2020	12:52
MW-4S-20200701	410-6533-13	DG0159.D	07/06/2020	15:19
MW-4D-20200701	410-6533-14	DG0160.D	07/06/2020	15:49
MW-3-20200701	410-6533-15	DG0161.D	07/06/2020	16:18
MW-13S-20200701	410-6533-16	DG0162.D	07/06/2020	16:48
MW-13D-20200701	410-6533-17	DG0163.D	07/06/2020	17:18
MW-12S-20200701	410-6533-18	DG0164.D	07/06/2020	17:47
MW-12D-20200701	410-6533-19	DG0165.D	07/06/2020	18:16

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Lab File ID: DG0200.D DFTPP Injection Date: 07/06/2020

Instrument ID: HP19760 DFTPP Injection Time: 21:22

Analysis Batch No.: 19744

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	66.5
68	Less than 2% of mass 69	0.9 (1.5) 1
69	Mass 69 Relative abundance	64.3
70	Less than 2% of mass 69	0.4 (0.5) 1
127	10-80% of Base Peak	61.6
197	Less than 2% of mass 198	1.3
198	Base peak	100.0
199	5-9% of mass 198	7.1
275	10-60% of Base Peak	21.7
365	Greater than 1% of mass 198	2.8
441	present but less than 24% of mass 442	10.6 (15.8) 2
442	Greater than 50% of mass 198	67.1
443	15-24% of mass 442	12.5 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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 410-19744/2	DG0201.D	07/06/2020	22:40
DUP-20200701	410-6533-20	DG0202.D	07/06/2020	23:48

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Lab File ID: DG0350.D DFTPP Injection Date: 07/08/2020

Instrument ID: HP19760 DFTPP Injection Time: 07:51

Analysis Batch No.: 20279

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	55.7
68	Less than 2% of mass 69	0.9 (1.6) 1
69	Mass 69 Relative abundance	56.0
70	Less than 2% of mass 69	0.2 (0.3) 1
127	10-80% of Base Peak	51.9
197	Less than 2% of mass 198	0.8
198	Base peak	100.0
199	5-9% of mass 198	6.8
275	10-60% of Base Peak	20.2
365	Greater than 1% of mass 198	2.3
441	present but less than 24% of mass 442	8.1 (14.8) 2
442	Greater than 50% of mass 198	54.5
443	15-24% of mass 442	10.7 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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
	ICIS 410-20279/2	DG0351.D	07/08/2020	8:17
	IC 410-20279/3	DG0352.D	07/08/2020	8:57
	IC 410-20279/4	DG0353.D	07/08/2020	9:25
	IC 410-20279/5	DG0354.D	07/08/2020	9:53
	IC 410-20279/6	DG0355.D	07/08/2020	10:22
	IC 410-20279/7	DG0356.D	07/08/2020	10:51
	IC 410-20279/8	DG0357.D	07/08/2020	11:19
	IC 410-20279/9	DG0358.D	07/08/2020	11:48
	ICV 410-20279/12	DG0361.D	07/08/2020	13:14
	ICV 410-20279/13	DG0362.D	07/08/2020	13:43
	ICV 410-20279/14	DG0363.D	07/08/2020	14:11
	ICV 410-20279/15	DG0364.D	07/08/2020	14:40

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Lab File ID: DG0400.D DFTPP Injection Date: 07/08/2020

Instrument ID: HP19760 DFTPP Injection Time: 19:43

Analysis Batch No.: 20598

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	48.1
68	Less than 2% of mass 69	0.8 (1.4) 1
69	Mass 69 Relative abundance	53.1
70	Less than 2% of mass 69	0.2 (0.4) 1
127	10-80% of Base Peak	48.9
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	7.0
275	10-60% of Base Peak	20.2
365	Greater than 1% of mass 198	2.2
441	present but less than 24% of mass 442	8.3 (15.2) 2
442	Greater than 50% of mass 198	54.9
443	15-24% of mass 442	10.9 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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 410-20598/2	DG0401.D	07/08/2020	20:01
	MB 410-19318/1-A	DG0402.D	07/08/2020	22:12
	LCS 410-19318/2-A	DG0403.D	07/08/2020	22:41
MW-13S-20200701 DL	410-6533-16 DL	DG0407.D	07/09/2020	0:34
MW-1-20200629	410-6533-1	DG0415.D	07/09/2020	4:21
MW-10S-20200629	410-6533-2	DG0416.D	07/09/2020	4:49
MW-10D-20200629	410-6533-3	DG0417.D	07/09/2020	5:18
MW-10D-20200629 MS	410-6533-3 MS	DG0418.D	07/09/2020	5:46
MW-10D-20200629 MSD	410-6533-3 MSD	DG0419.D	07/09/2020	6:14
MW-8S-20200629	410-6533-4	DG0420.D	07/09/2020	6:43
MW-8D-20200630	410-6533-5	DG0421.D	07/09/2020	7:11

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Lab File ID: DG0450.D DFTPP Injection Date: 07/09/2020

Instrument ID: HP19760 DFTPP Injection Time: 07:53

Analysis Batch No.: 20766

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	45.0
68	Less than 2% of mass 69	0.8 (1.5) 1
69	Mass 69 Relative abundance	50.2
70	Less than 2% of mass 69	0.3 (0.6) 1
127	10-80% of Base Peak	47.9
197	Less than 2% of mass 198	0.2
198	Base peak	100.0
199	5-9% of mass 198	6.7
275	10-60% of Base Peak	20.8
365	Greater than 1% of mass 198	2.4
441	present but less than 24% of mass 442	8.9 (15.4) 2
442	Greater than 50% of mass 198	58.0
443	15-24% of mass 442	11.7 (20.3) 2

1-Value is % mass 69

2-Value is % mass 442

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 410-20766/2	DG0451.D	07/09/2020	8:06
MW-11S-20200630	410-6533-6	DG0461.D	07/09/2020	14:02
MW-11D-20200630	410-6533-7	DG0462.D	07/09/2020	14:31
MW-7S-20200630	410-6533-8	DG0463.D	07/09/2020	15:00
MW-7D-20200630	410-6533-9	DG0464.D	07/09/2020	15:28
MW-14S-20200630	410-6533-10	DG0465.D	07/09/2020	15:57

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Lab File ID: DG0520.D DFTPP Injection Date: 07/10/2020

Instrument ID: HP19760 DFTPP Injection Time: 10:49

Analysis Batch No.: 21270

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	49.6
68	Less than 2% of mass 69	0.8 (1.4) 1
69	Mass 69 Relative abundance	53.4
70	Less than 2% of mass 69	0.3 (0.5) 1
127	10-80% of Base Peak	50.8
197	Less than 2% of mass 198	0.1
198	Base peak	100.0
199	5-9% of mass 198	6.9
275	10-60% of Base Peak	19.8
365	Greater than 1% of mass 198	2.0
441	present but less than 24% of mass 442	7.8 (15.2) 2
442	Greater than 50% of mass 198	51.4
443	15-24% of mass 442	10.2 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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 410-21270/2	DG0521.D	07/10/2020	11:15
FB-20200630	410-6533-11	DG0535.D	07/10/2020	17:53
MW-14D-20200630	410-6533-12	DG0536.D	07/10/2020	18:21

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: ICIS 410-10557/2 Date Analyzed: 04/15/2020 15:41
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DD0631.D Heated Purge: (Y/N) N
 Calibration ID: 5027

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	277411	7.27	1023981	9.22	466480	11.97	
UPPER LIMIT	554822	7.77	2047962	9.72	932960	12.47	
LOWER LIMIT	138706	6.77	511991	8.72	233240	11.47	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-10557/12		242423	7.27	919459	9.22	444152	11.97
ICV 410-10557/13		352143	7.27	1335488	9.21	610279	11.97
ICV 410-10557/14		315400	7.27	1171989	9.21	540923	11.97
CCVIS 410-19473/2		283340	6.00*3	1265501	7.94*3	595472	10.72*3
CCVIS 410-19744/2		320596	6.00*3	1195557	7.94*3	549315	10.72*3

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: ICIS 410-10557/2 Date Analyzed: 04/15/2020 15:41
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DD0631.D Heated Purge: (Y/N) N
 Calibration ID: 5027

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		870445	13.87	870459	15.93	813905	20.51
UPPER LIMIT		1740890	14.37	1740918	16.43	1627810	21.01
LOWER LIMIT		435223	13.37	435230	15.43	406953	20.01
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 410-10557/12		847068	13.87	868829	15.93	789199	20.51
ICV 410-10557/13		1152116	13.87	1136300	15.92	1039666	20.50
ICV 410-10557/14		1005531	13.87	991533	15.92	901715	20.50
CCVIS 410-19473/2		1000430	12.73*3	1018720	14.55*3	953985	18.86*3
CCVIS 410-19744/2		997529	12.73*3	958262	14.55*3	807751	18.86*3

PHN = Phenanthrene-d10
 PYR10 = Pyrene-d10 (IS)
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-19473/2 Date Analyzed: 07/06/2020 09:05
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0151.D Heated Purge: (Y/N) N
 Calibration ID: 5027

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	283340	6.00 *3	1265501	7.94 *3	595472	10.72 *3	
UPPER LIMIT	566680	6.50	2531002	8.44	1190944	11.22	
LOWER LIMIT	141670	5.50	632751	7.44	297736	10.22	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-19320/1-A		220154	6.00	823975	7.94	358464	10.72
LCS 410-19320/2-A		215122	6.00	816164	7.94	363075	10.72
LCSD 410-19320/3-A		214148	6.00	793592	7.94	354331	10.72
410-6533-13	MW-4S-20200701	223497	6.00	848914	7.94	382684	10.72
410-6533-14	MW-4D-20200701	230183	6.00	876655	7.94	386264	10.72
410-6533-15	MW-3-20200701	234794	6.00	889850	7.94	399217	10.72
410-6533-16	MW-13S-20200701	215182	6.00	817941	7.94	369488	10.72
410-6533-17	MW-13D-20200701	224615	5.99	854545	7.94	381508	10.72
410-6533-18	MW-12S-20200701	230138	6.00	871379	7.94	387033	10.72
410-6533-19	MW-12D-20200701	219625	6.00	838914	7.94	367991	10.72

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

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
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-19473/2 Date Analyzed: 07/06/2020 09:05
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0151.D Heated Purge: (Y/N) N
 Calibration ID: 5027

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1000430	12.73*3	1018720	14.55*3	953985	18.86*3
UPPER LIMIT		2000860	13.23	2037440	15.05	1907970	19.36
LOWER LIMIT		500215	12.23	509360	14.05	476993	18.36
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 410-19320/1-A		641570	12.73	581855	14.55	477555	18.86
LCS 410-19320/2-A		653656	12.73	638160	14.54	569733	18.86
LCSD 410-19320/3-A		635858	12.73	603427	14.54	557607	18.86
410-6533-13	MW-4S-20200701	685401	12.72	654512	14.54	563561	18.86
410-6533-14	MW-4D-20200701	714067	12.73	653689	14.54	572476	18.86
410-6533-15	MW-3-20200701	719569	12.73	677670	14.54	620959	18.86
410-6533-16	MW-13S-20200701	647010	12.73	621212	14.54	547902	18.86
410-6533-17	MW-13D-20200701	688255	12.72	633478	14.54	532266	18.86
410-6533-18	MW-12S-20200701	695063	12.72	638718	14.54	539578	18.86
410-6533-19	MW-12D-20200701	660088	12.72	610986	14.54	501651	18.86

PHN = Phenanthrene-d10
 PYR10 = Pyrene-d10 (IS)
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-19744/2 Date Analyzed: 07/06/2020 22:40
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0201.D Heated Purge: (Y/N) N
 Calibration ID: 5027

	DCBd4		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	320596	6.00 *3	1195557	7.94 *3	549315	10.72 *3
UPPER LIMIT	641192	6.50	2391114	8.44	1098630	11.22
LOWER LIMIT	160298	5.50	597779	7.44	274658	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID					
410-6533-20	DUP-20200701		224584	6.00	854652	7.94
					376831	10.72

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-19744/2 Date Analyzed: 07/06/2020 22:40
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0201.D Heated Purge: (Y/N) N
 Calibration ID: 5027

	PHN		PYR10		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	997529	12.73 *3	958262	14.55 *3	807751	18.86 *3
UPPER LIMIT	1995058	13.23	1916524	15.05	1615502	19.36
LOWER LIMIT	498765	12.23	479131	14.05	403876	18.36
LAB SAMPLE ID	CLIENT SAMPLE ID					
410-6533-20	DUP-20200701		680973	12.73	629231	14.54
					528560	18.86

PHN = Phenanthrene-d10
 PYR10 = Pyrene-d10 (IS)
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: ICIS 410-20279/2 Date Analyzed: 07/08/2020 08:17
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0351.D Heated Purge: (Y/N) N
 Calibration ID: 6653

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	249476	7.06	1022316	8.99	536439	11.77	
UPPER LIMIT	498952	7.56	2044632	9.49	1072878	12.27	
LOWER LIMIT	124738	6.56	511158	8.49	268220	11.27	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-20279/12		227550	7.06	904218	8.99	448881	11.77
ICV 410-20279/13		356911	7.06	1426002	8.99	711027	11.76
ICV 410-20279/14		224637	7.06	890169	8.99	438455	11.76
ICV 410-20279/15		231974	7.06	916624	8.99	447363	11.76
CCVIS 410-20598/2		269231	7.06	1072693	8.99	555060	11.76
CCVIS 410-20766/2		289443	7.06	1151650	8.99	591690	11.76
CCVIS 410-21270/2		224087	7.05	871540	8.99	434061	11.76

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: ICIS 410-20279/2 Date Analyzed: 07/08/2020 08:17
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0351.D Heated Purge: (Y/N) N
 Calibration ID: 6653

	PHN		PYR10		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1044427	13.65	1093492	15.67	1000899	20.20	
UPPER LIMIT	2088854	14.15	2186984	16.17	2001798	20.70	
LOWER LIMIT	522214	13.15	546746	15.17	500450	19.70	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-20279/12		846873	13.65	897114	15.67	848509	20.20
ICV 410-20279/13		1300977	13.65	1332608	15.66	1192655	20.20
ICV 410-20279/14		796380	13.65	826854	15.66	702886	20.20
ICV 410-20279/15		818960	13.65	828389	15.66	726071	20.20
CCVIS 410-20598/2		1048990	13.65	1097711	15.66	1032167	20.20
CCVIS 410-20766/2		1130818	13.65	1187408	15.66	1127012	20.20
CCVIS 410-21270/2		803873	13.65	859072	15.66	763177	20.20

PHN = Phenanthrene-d10
 PYR10 = Pyrene-d10 (IS)
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-20598/2 Date Analyzed: 07/08/2020 20:01
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0401.D Heated Purge: (Y/N) N
 Calibration ID: 6653

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	269231	7.06	1072693	8.99	555060	11.76	
UPPER LIMIT	538462	7.56	2145386	9.49	1110120	12.26	
LOWER LIMIT	134616	6.56	536347	8.49	277530	11.26	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-19318/1-A		198368	7.05	774316	8.99	373665	11.76
LCS 410-19318/2-A		194288	7.06	753233	8.99	360012	11.76
410-6533-16 DL	MW-13S-20200701 DL	192903	7.05	779233	8.99	389202	11.76
410-6533-1	MW-1-20200629	185421	7.05	737448	8.99	370885	11.76
410-6533-2	MW-10S-20200629	181499	7.06	730910	8.99	366383	11.76
410-6533-3	MW-10D-20200629	185621	7.05	740806	8.99	368423	11.76
410-6533-3 MS	MW-10D-20200629 MS	179378	7.06	705767	8.99	348410	11.76
410-6533-3 MSD	MW-10D-20200629 MSD	199412	7.06	772688	8.99	372751	11.76
410-6533-4	MW-8S-20200629	198836	7.06	796104	8.99	396142	11.76
410-6533-5	MW-8D-20200630	196649	7.05	792131	8.99	380826	11.76

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-20598/2 Date Analyzed: 07/08/2020 20:01
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0401.D Heated Purge: (Y/N) N
 Calibration ID: 6653

	PHN		PYR10		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1048990	13.65	1097711	15.66	1032167	20.20
UPPER LIMIT	2097980	14.15	2195422	16.16	2064334	20.70
LOWER LIMIT	524495	13.15	548856	15.16	516084	19.70
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 410-19318/1-A		682146	13.65	702473	15.66	595498 20.20
LCS 410-19318/2-A		664772	13.65	715945	15.66	604599 20.20
410-6533-16 DL	MW-13S-20200701 DL	727192	13.65	733986	15.66	698571 20.19
410-6533-1	MW-1-20200629	686739	13.65	725698	15.66	669696 20.19
410-6533-2	MW-10S-20200629	672490	13.65	700977	15.66	640427 20.19
410-6533-3	MW-10D-20200629	673065	13.65	702205	15.66	637153 20.19
410-6533-3 MS	MW-10D-20200629 MS	651874	13.65	707840	15.66	640265 20.20
410-6533-3 MSD	MW-10D-20200629 MSD	707242	13.65	768728	15.66	687913 20.20
410-6533-4	MW-8S-20200629	726019	13.65	749046	15.66	667295 20.19
410-6533-5	MW-8D-20200630	713763	13.65	733462	15.66	637211 20.19

PHN = Phenanthrene-d10
 PYR10 = Pyrene-d10 (IS)
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-20766/2 Date Analyzed: 07/09/2020 08:06
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0451.D Heated Purge: (Y/N) N
 Calibration ID: 6653

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		289443	7.06	1151650	8.99	591690	11.76
UPPER LIMIT		578886	7.56	2303300	9.49	1183380	12.26
LOWER LIMIT		144722	6.56	575825	8.49	295845	11.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-6533-6	MW-11S-20200630	192726	7.06	766176	8.99	382077	11.76
410-6533-7	MW-11D-20200630	188186	7.05	739354	8.99	359355	11.76
410-6533-8	MW-7S-20200630	182753	7.05	730692	8.99	369389	11.76
410-6533-9	MW-7D-20200630	184051	7.06	724399	8.99	352073	11.76
410-6533-10	MW-14S-20200630	175751	7.06	695429	8.99	339992	11.76

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-20766/2 Date Analyzed: 07/09/2020 08:06
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0451.D Heated Purge: (Y/N) N
 Calibration ID: 6653

	PHN		PYR10		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1130818	13.65	1187408	15.66	1127012	20.20
UPPER LIMIT	2261636	14.15	2374816	16.16	2254024	20.70
LOWER LIMIT	565409	13.15	593704	15.16	563506	19.70
LAB SAMPLE ID	CLIENT SAMPLE ID					
410-6533-6	MW-11S-20200630	705566	13.65	735371	15.66	654311 20.19
410-6533-7	MW-11D-20200630	668512	13.65	694059	15.66	603196 20.19
410-6533-8	MW-7S-20200630	671795	13.65	702752	15.66	608946 20.19
410-6533-9	MW-7D-20200630	660643	13.65	685806	15.66	570832 20.19
410-6533-10	MW-14S-20200630	639108	13.65	667647	15.66	583679 20.19

PHN = Phenanthrene-d10
 PYR10 = Pyrene-d10 (IS)
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-21270/2 Date Analyzed: 07/10/2020 11:15
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0521.D Heated Purge: (Y/N) N
 Calibration ID: 6653

	DCBd4		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	224087	7.05	871540	8.99	434061	11.76
UPPER LIMIT	448174	7.55	1743080	9.49	868122	12.26
LOWER LIMIT	112044	6.55	435770	8.49	217031	11.26
LAB SAMPLE ID	CLIENT SAMPLE ID					
410-6533-11	FB-20200630	163655	7.05	649668	8.99	316853 11.76
410-6533-12	MW-14D-20200630	157558	7.05	619963	8.99	300702 11.76

DCBd4 = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Sample No.: CCVIS 410-21270/2 Date Analyzed: 07/10/2020 11:15
 Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm)
 Lab File ID (Standard): DG0521.D Heated Purge: (Y/N) N
 Calibration ID: 6653

	PHN		PYR10		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	803873	13.65	859072	15.66	763177	20.20
UPPER LIMIT	1607746	14.15	1718144	16.16	1526354	20.70
LOWER LIMIT	401937	13.15	429536	15.16	381589	19.70
LAB SAMPLE ID	CLIENT SAMPLE ID					
410-6533-11	FB-20200630	588573	13.65	609760	15.66	435472 20.19
410-6533-12	MW-14D-20200630	554875	13.64	584671	15.66	429581 20.19

PHN = Phenanthrene-d10
 PYR10 = Pyrene-d10 (IS)
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-1-20200629 Lab Sample ID: 410-6533-1

Matrix: Ground Water Lab File ID: DG0415.D

Analysis Method: 8270D Date Collected: 06/29/2020 12:02

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 245(mL) Date Analyzed: 07/09/2020 04:21

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	95		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0415.D
 Lims ID: 410-6533-D-1-A
 Client ID: MW-1-20200629
 Sample Type: Client
 Inject. Date: 09-Jul-2020 04:21:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-1-A
 Misc. Info.: 410-0005114-016
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:51:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.059	-0.006	98	185421	5.00	
\$ 33 Nitrobenzene-d5	82	7.880	7.886	-0.006	88	1188927	16.1	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	737448	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.005	99	1809313	16.3	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	96	370885	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	686739	5.00	
112 Phenanthrene	178		13.680				ND	U
113 Anthracene	178		13.750				ND	
121 Fluoranthene	202		15.347				ND	
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	725698	5.00	
124 Pyrene	202		15.697				ND	
\$ 125 p-Terphenyl-d14	244	15.976	15.982	-0.006	98	2840150	23.7	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.584				ND	
140 Benzo[k]fluoranthene	252		19.637				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.202	-0.012	97	669696	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.828				ND	
147 Dibenzo(a,h)anthracene	278		21.869				ND	
148 Benzo[g,h,i]perylene	276		22.231				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0415.D

Injection Date: 09-Jul-2020 04:21:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-1-A

Lab Sample ID: 410-6533-1

Worklist Smp#: 16

Client ID: MW-1-20200629

Injection Vol: 1.0 ul

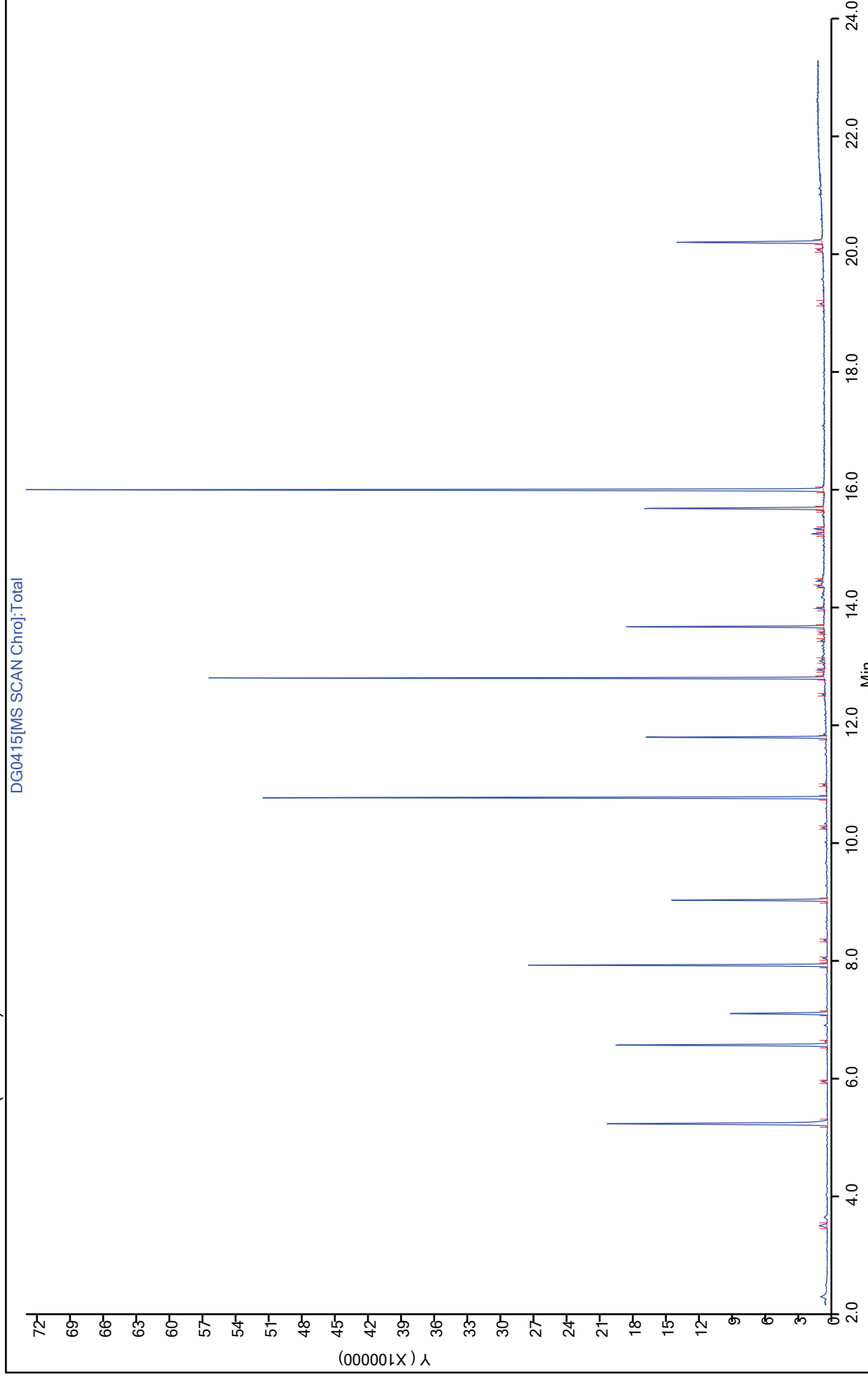
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0415.D

Injection Date: 09-Jul-2020 04:21:30

Instrument ID: HP19760

Lims ID: 410-6533-D-1-A

Lab Sample ID: 410-6533-1

Client ID: MW-1-20200629

Operator ID: sw30417

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

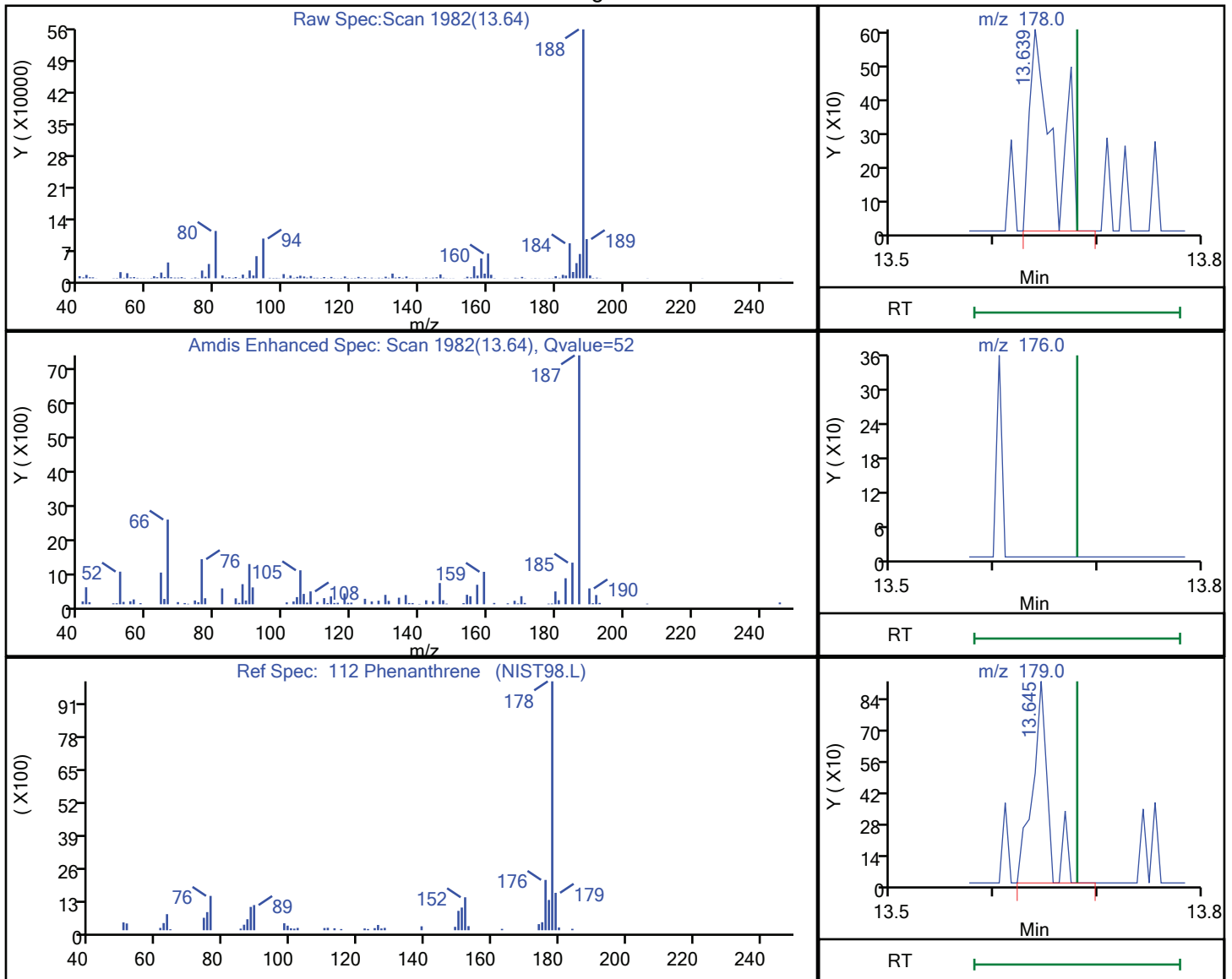
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.64	178.00	962	0.005905
13.68	176.00	0	
13.64	179.00	961	

Reviewer: monbornee, 09-Jul-2020 12:51:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-10S-20200629 Lab Sample ID: 410-6533-2
 Matrix: Ground Water Lab File ID: DG0416.D
 Analysis Method: 8270D Date Collected: 06/29/2020 14:08
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:23
 Sample wt/vol: 243(mL) Date Analyzed: 07/09/2020 04:49
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	69		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	71		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	99		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0416.D
 Lims ID: 410-6533-D-2-A
 Client ID: MW-10S-20200629
 Sample Type: Client
 Inject. Date: 09-Jul-2020 04:49:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-2-A
 Misc. Info.: 410-0005114-017
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:52:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	98	181499	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	88	1308759	17.9	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	730910	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.005	99	1904693	17.3	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	366383	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	672490	5.00	
112 Phenanthrene	178		13.680				ND	U
113 Anthracene	178		13.750				ND	
121 Fluoranthene	202	15.335	15.347	-0.012	86	1361	0.007584	7
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	700977	5.00	
124 Pyrene	202	15.685	15.685	-0.012	52	2311	0.0120	7
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.005	98	2879696	24.9	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.584				ND	U
140 Benzo[k]fluoranthene	252		19.637				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.202	-0.011	97	640427	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.828				ND	
147 Dibenzo(a,h)anthracene	278		21.869				ND	
148 Benzo[g,h,i]perylene	276		22.231				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0416.D

Injection Date: 09-Jul-2020 04:49:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-2-A

Lab Sample ID: 410-6533-2

Worklist Smp#: 17

Client ID: MW-10S-20200629

Injection Vol: 1.0 ul

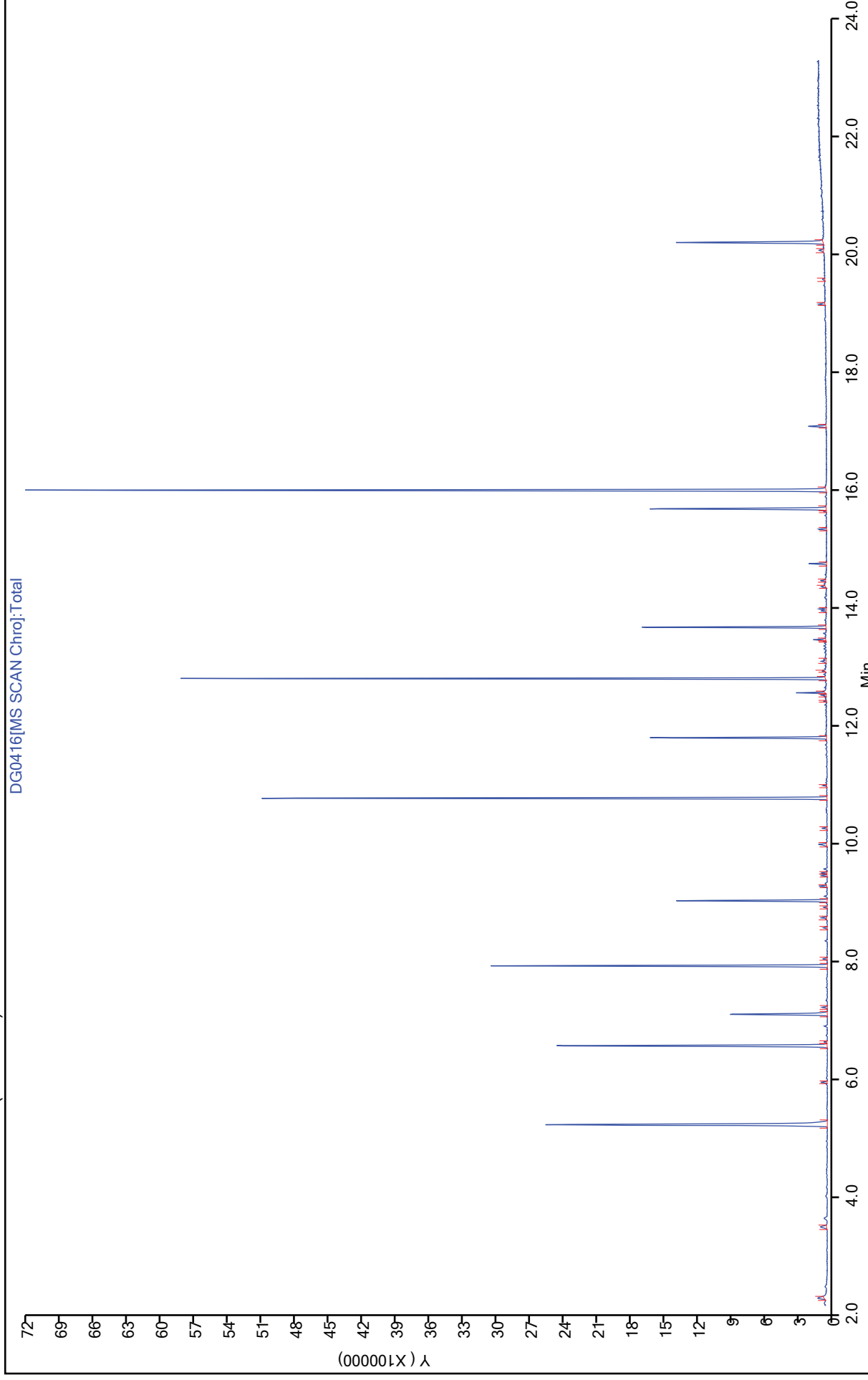
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0416.D

Injection Date: 09-Jul-2020 04:49:30

Instrument ID: HP19760

Lims ID: 410-6533-D-2-A

Lab Sample ID: 410-6533-2

Client ID: MW-10S-20200629

Operator ID: sw30417

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

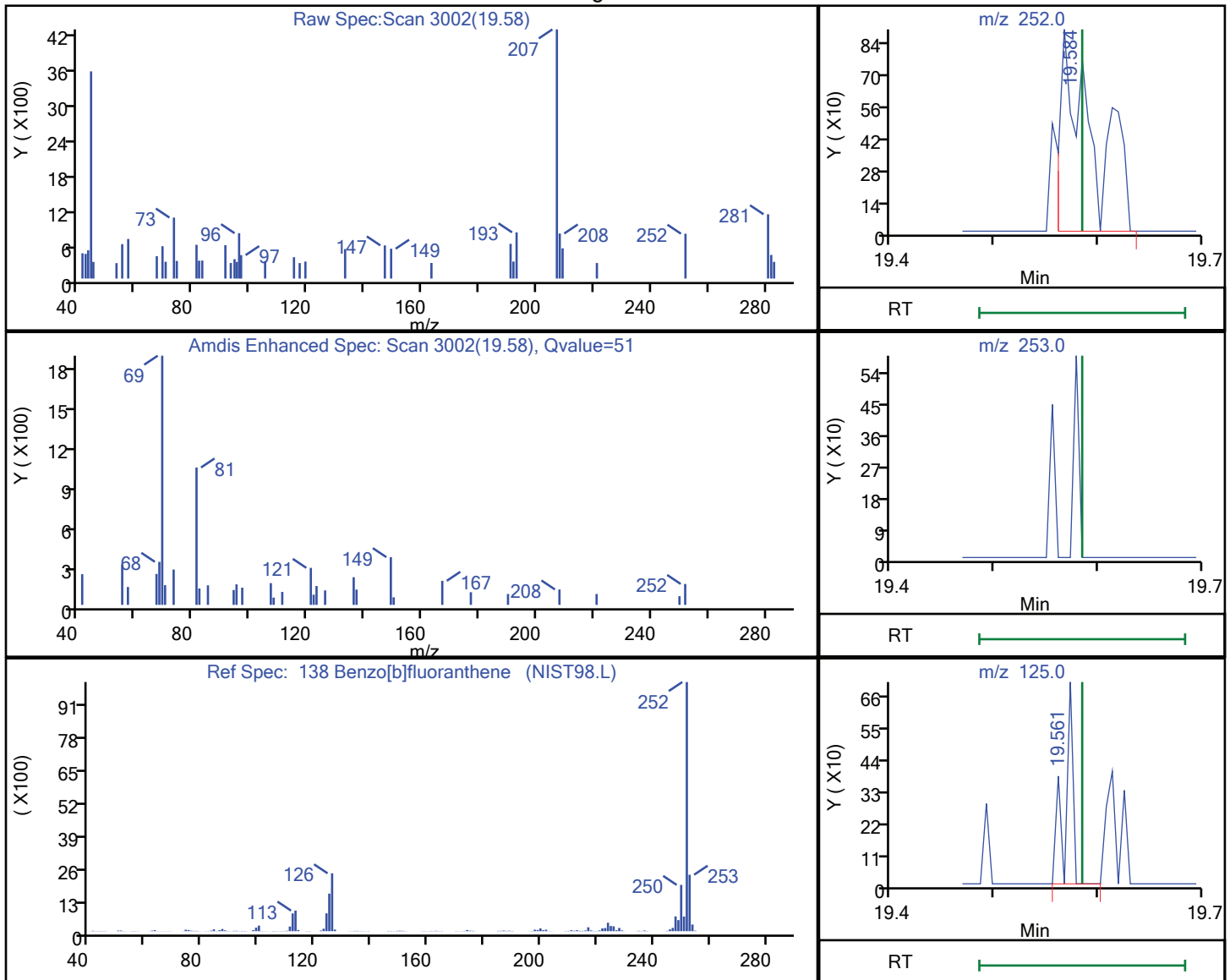
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

138 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
19.58	252.00	1909	0.011667
19.58	253.00	0	
19.56	125.00	380	

Reviewer: monbornee, 09-Jul-2020 12:52:23

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0416.D

Injection Date: 09-Jul-2020 04:49:30

Instrument ID: HP19760

Lims ID: 410-6533-D-2-A

Lab Sample ID: 410-6533-2

Client ID: MW-10S-20200629

Operator ID: sw30417

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

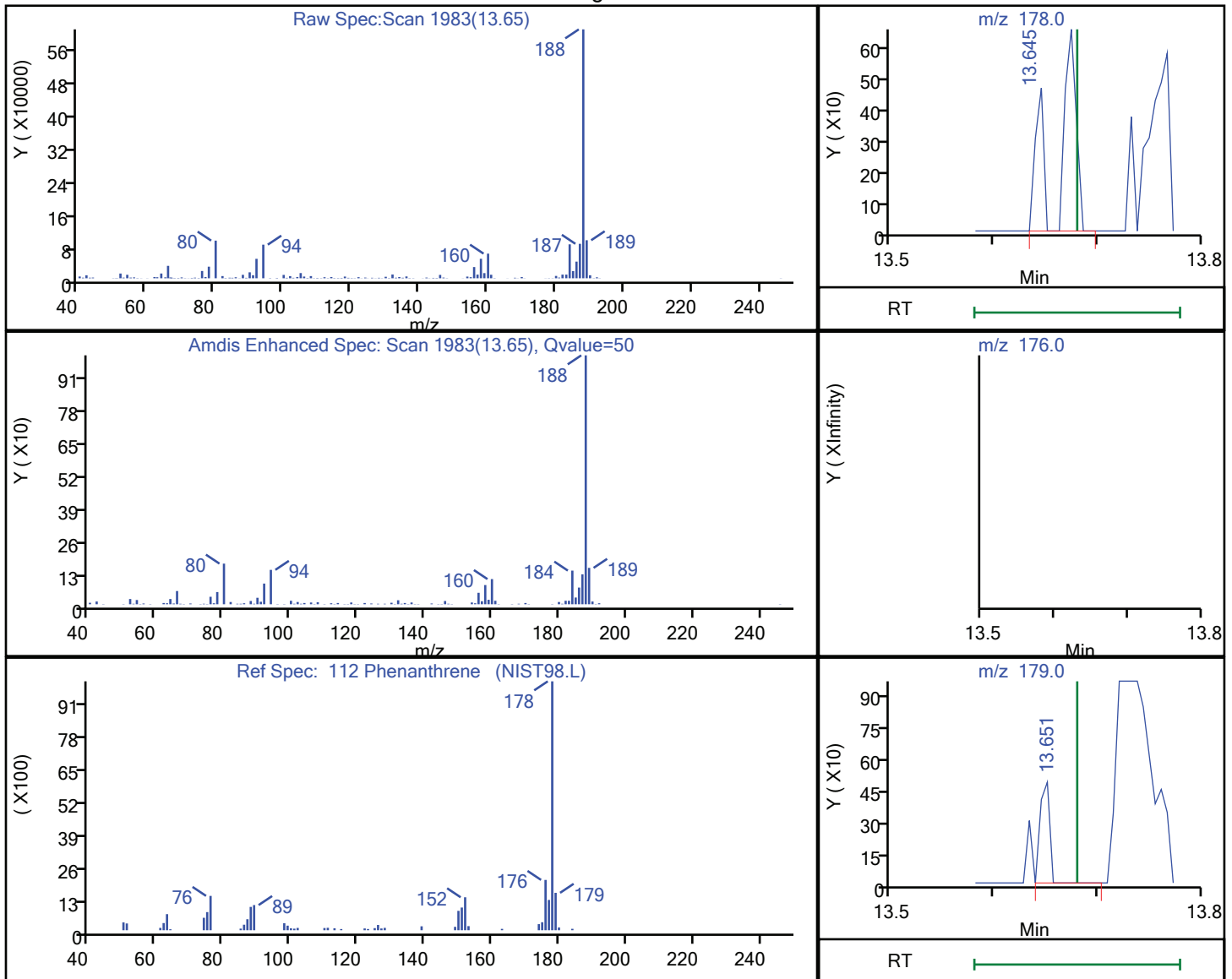
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.65	178.00	774	0.004852
13.68	176.00	0	
13.65	179.00	308	

Reviewer: monbornee, 09-Jul-2020 12:52:09

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-10D-20200629 Lab Sample ID: 410-6533-3

Matrix: Ground Water Lab File ID: DG0417.D

Analysis Method: 8270D Date Collected: 06/29/2020 14:46

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 242 (mL) Date Analyzed: 07/09/2020 05:18

Con. Extract Vol.: 1 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.52	0.10
208-96-8	Acenaphthylene	ND		0.52	0.10
120-12-7	Anthracene	ND		0.52	0.10
56-55-3	Benzo[a]anthracene	ND		0.52	0.10
50-32-8	Benzo[a]pyrene	ND		0.52	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.52	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.52	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.52	0.10
218-01-9	Chrysene	ND		0.52	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.52	0.10
206-44-0	Fluoranthene	ND		0.52	0.10
86-73-7	Fluorene	ND		0.52	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.52	0.10
91-20-3	Naphthalene	ND		0.52	0.10
85-01-8	Phenanthrene	ND		0.52	0.10
129-00-0	Pyrene	ND		0.52	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	95		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0417.D
 Lims ID: 410-6533-D-3-C
 Client ID: MW-10D-20200629
 Sample Type: Client
 Inject. Date: 09-Jul-2020 05:18:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-3-C
 Misc. Info.: 410-0005114-018
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:52:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.059	-0.006	98	185621	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	88	1189776	16.0	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	740806	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.005	100	1724196	15.6	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	96	368423	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	98	673065	5.00	
112 Phenanthrene	178		13.680				ND	U
113 Anthracene	178		13.750				ND	
121 Fluoranthene	202		15.347				ND	
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	702205	5.00	
124 Pyrene	202		15.697				ND	
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.005	98	2745157	23.7	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.584				ND	
140 Benzo[k]fluoranthene	252		19.637				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.202	-0.011	97	637153	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.828				ND	
147 Dibenzo(a,h)anthracene	278		21.869				ND	
148 Benzo[g,h,i]perylene	276		22.231				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0417.D

Injection Date: 09-Jul-2020 05:18:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-3-C

Lab Sample ID: 410-6533-3

Worklist Smp#: 18

Client ID: MW-10D-20200629

Injection Vol: 1.0 ul

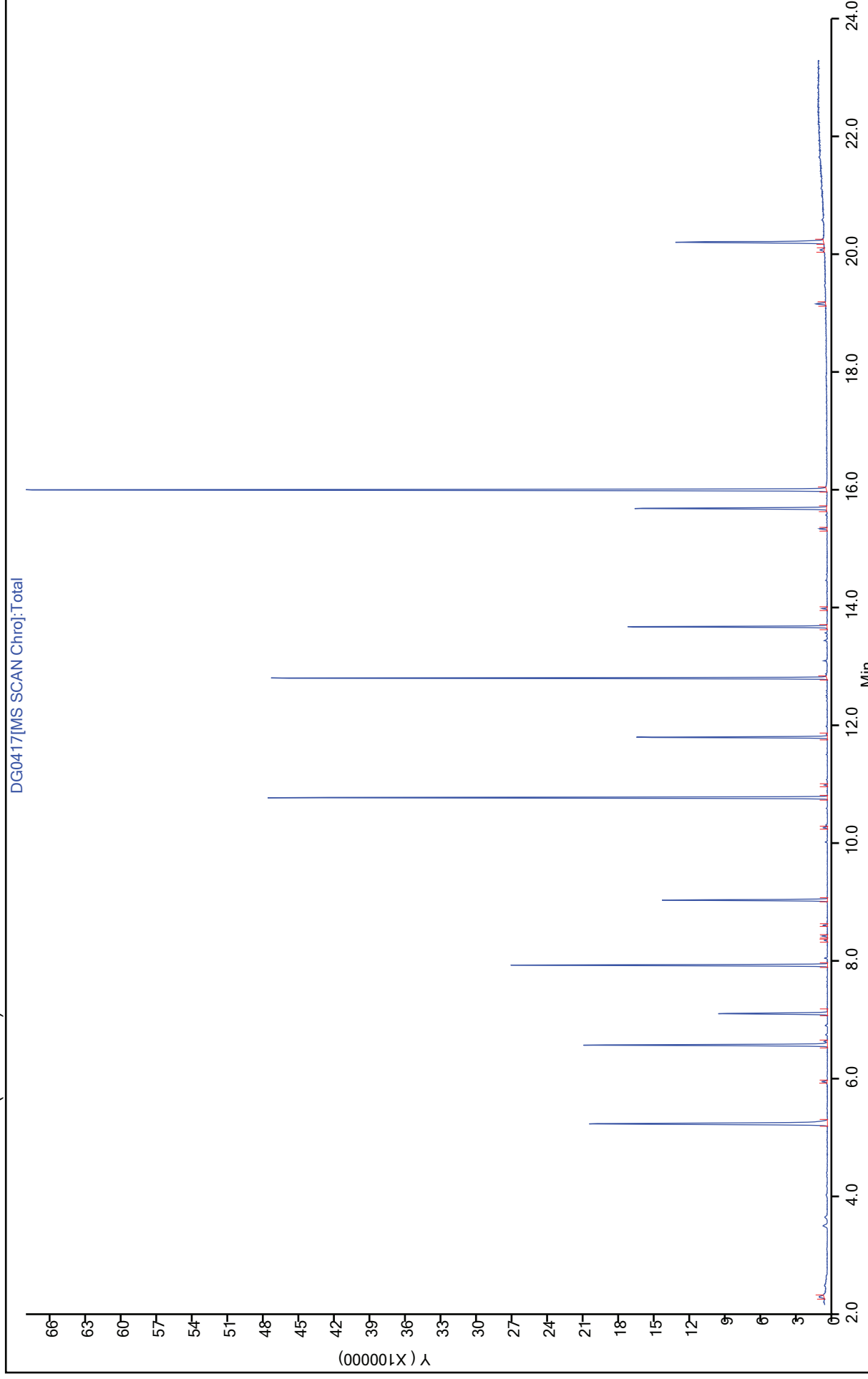
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0417.D

Injection Date: 09-Jul-2020 05:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-3-C

Lab Sample ID: 410-6533-3

Client ID: MW-10D-20200629

Operator ID: sw30417

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

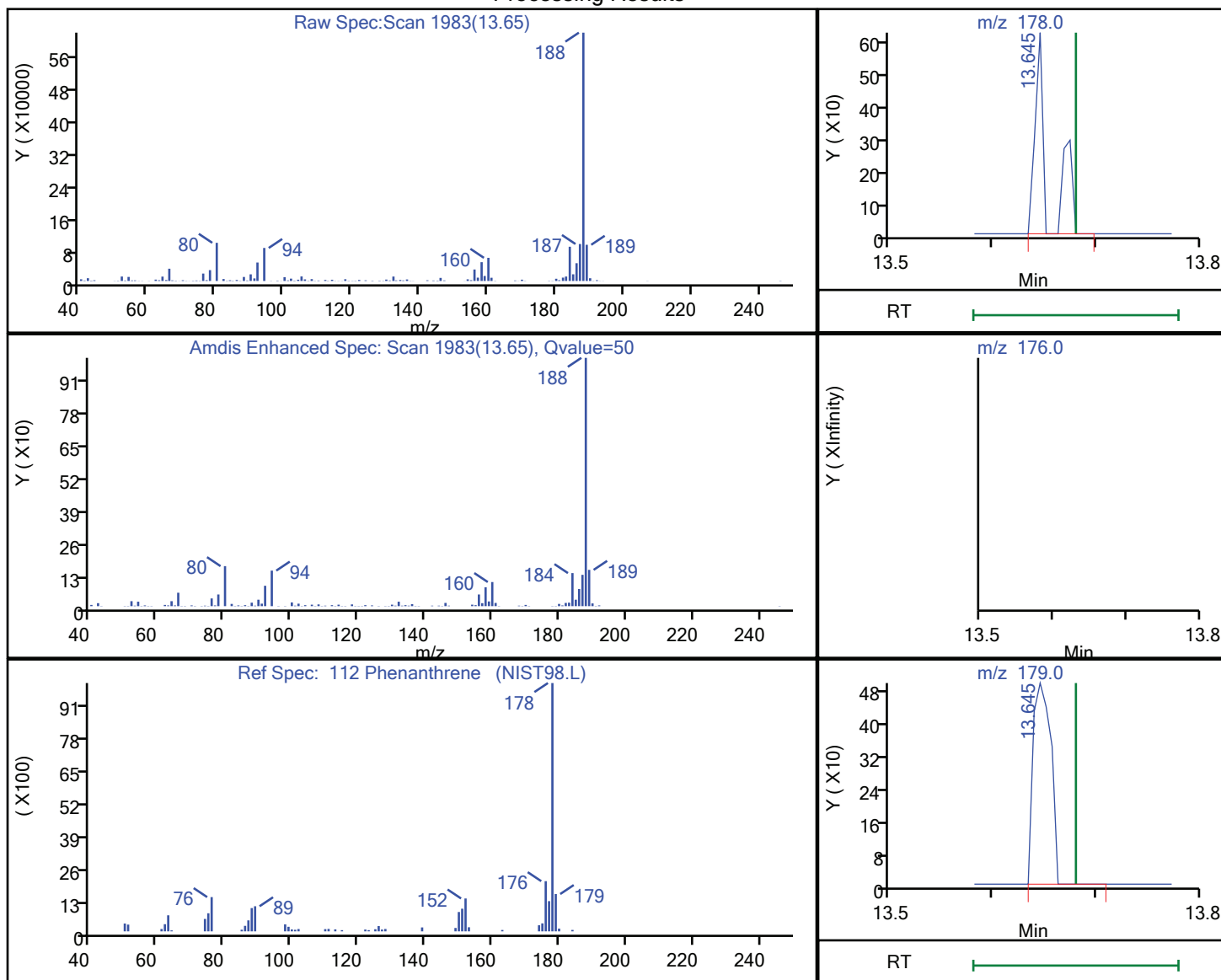
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.65	178.00	510	0.003194
13.68	176.00	0	
13.65	179.00	591	

Reviewer: monbornee, 09-Jul-2020 12:52:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-8S-20200629 Lab Sample ID: 410-6533-4
 Matrix: Ground Water Lab File ID: DG0420.D
 Analysis Method: 8270D Date Collected: 06/29/2020 15:48
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:23
 Sample wt/vol: 242 (mL) Date Analyzed: 07/09/2020 06:43
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.11	J	0.52	0.10
208-96-8	Acenaphthylene	ND		0.52	0.10
120-12-7	Anthracene	ND		0.52	0.10
56-55-3	Benzo[a]anthracene	ND		0.52	0.10
50-32-8	Benzo[a]pyrene	ND		0.52	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.52	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.52	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.52	0.10
218-01-9	Chrysene	ND		0.52	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.52	0.10
206-44-0	Fluoranthene	ND		0.52	0.10
86-73-7	Fluorene	ND		0.52	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.52	0.10
91-20-3	Naphthalene	ND		0.52	0.10
85-01-8	Phenanthrene	ND		0.52	0.10
129-00-0	Pyrene	ND		0.52	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	92		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0420.D
 Lims ID: 410-6533-D-4-A
 Client ID: MW-8S-20200629
 Sample Type: Client
 Inject. Date: 09-Jul-2020 06:43:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-4-A
 Misc. Info.: 410-0005114-021
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:54:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	98	198836	5.00	
\$ 33 Nitrobenzene-d5	82	7.880	7.886	-0.006	88	1273283	16.0	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	796104	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.005	99	1785734	15.0	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	96	396142	5.00	
78 Acenaphthene	153	11.803	11.809	-0.006	90	2902	0.0261	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	98	726019	5.00	
112 Phenanthrene	178		13.680				ND	U
113 Anthracene	178		13.750				ND	
121 Fluoranthene	202		15.347				ND	
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	749046	5.00	
124 Pyrene	202		15.697				ND	
\$ 125 p-Terphenyl-d14	244	15.976	15.982	-0.006	98	2849575	23.1	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.584				ND	
140 Benzo[k]fluoranthene	252		19.637				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.202	-0.012	97	667295	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.828				ND	
147 Dibenzo(a,h)anthracene	278		21.869				ND	
148 Benzo[g,h,i]perylene	276		22.231				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0420.D

Injection Date: 09-Jul-2020 06:43:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-4-A

Lab Sample ID: 410-6533-4

Worklist Smp#: 21

Client ID: MW-8S-20200629

Injection Vol: 1.0 ul

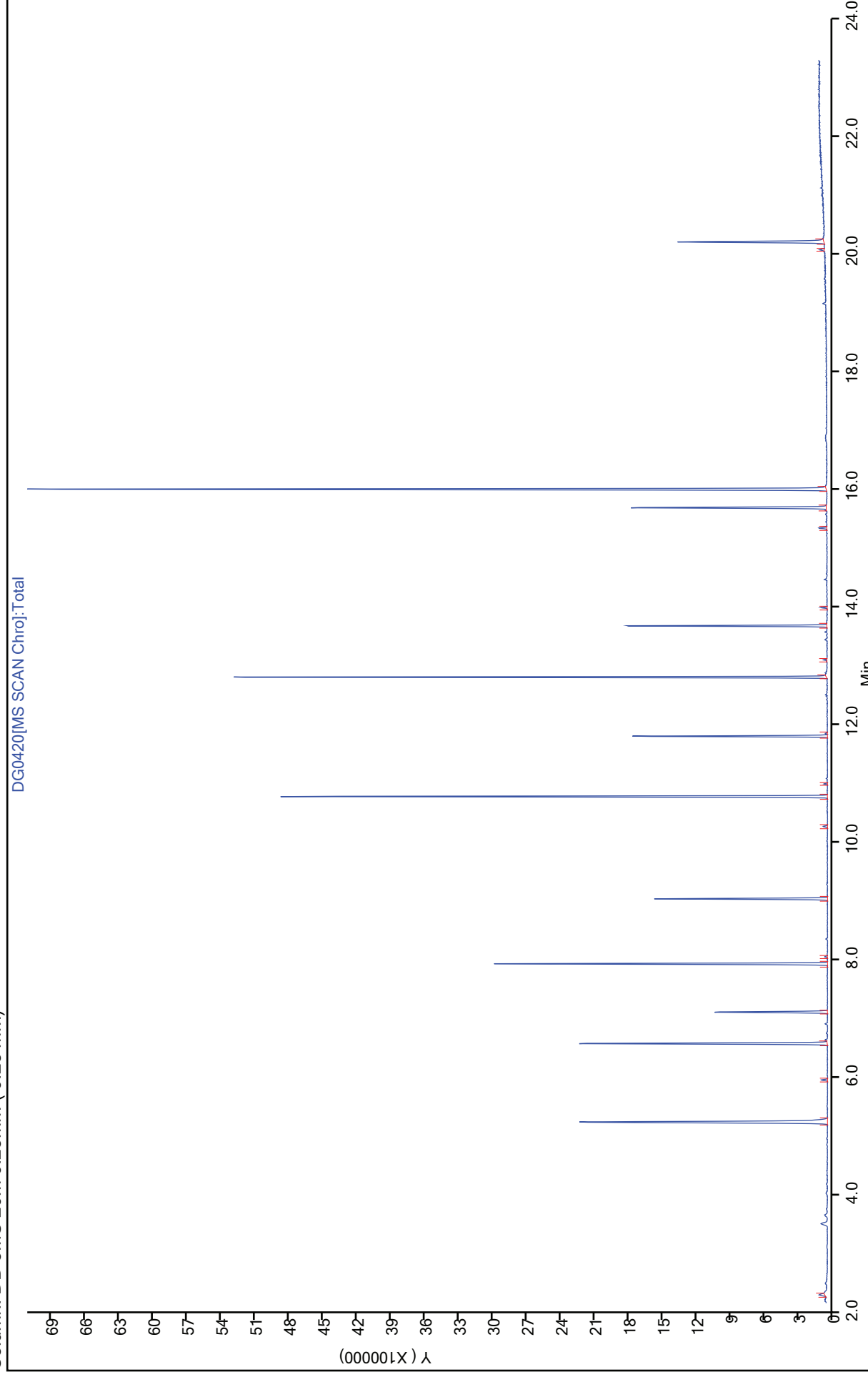
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0420.D

Injection Date: 09-Jul-2020 06:43:30

Instrument ID: HP19760

Lims ID: 410-6533-D-4-A

Lab Sample ID: 410-6533-4

Client ID: MW-8S-20200629

Operator ID: sw30417

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

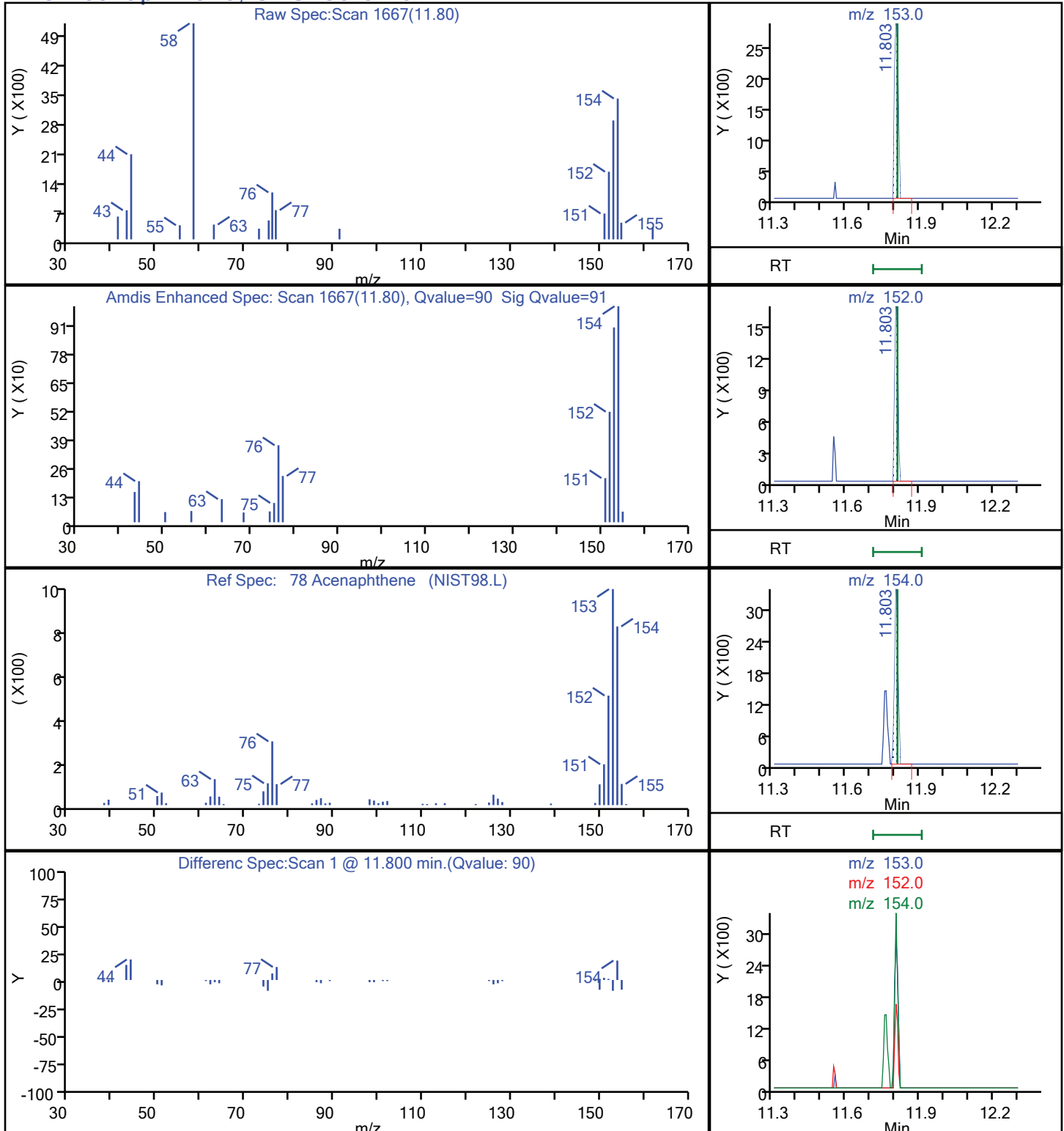
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

78 Acenaphthene, CAS: 83-32-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0420.D

Injection Date: 09-Jul-2020 06:43:30

Instrument ID: HP19760

Lims ID: 410-6533-D-4-A

Lab Sample ID: 410-6533-4

Client ID: MW-8S-20200629

Operator ID: sw30417

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

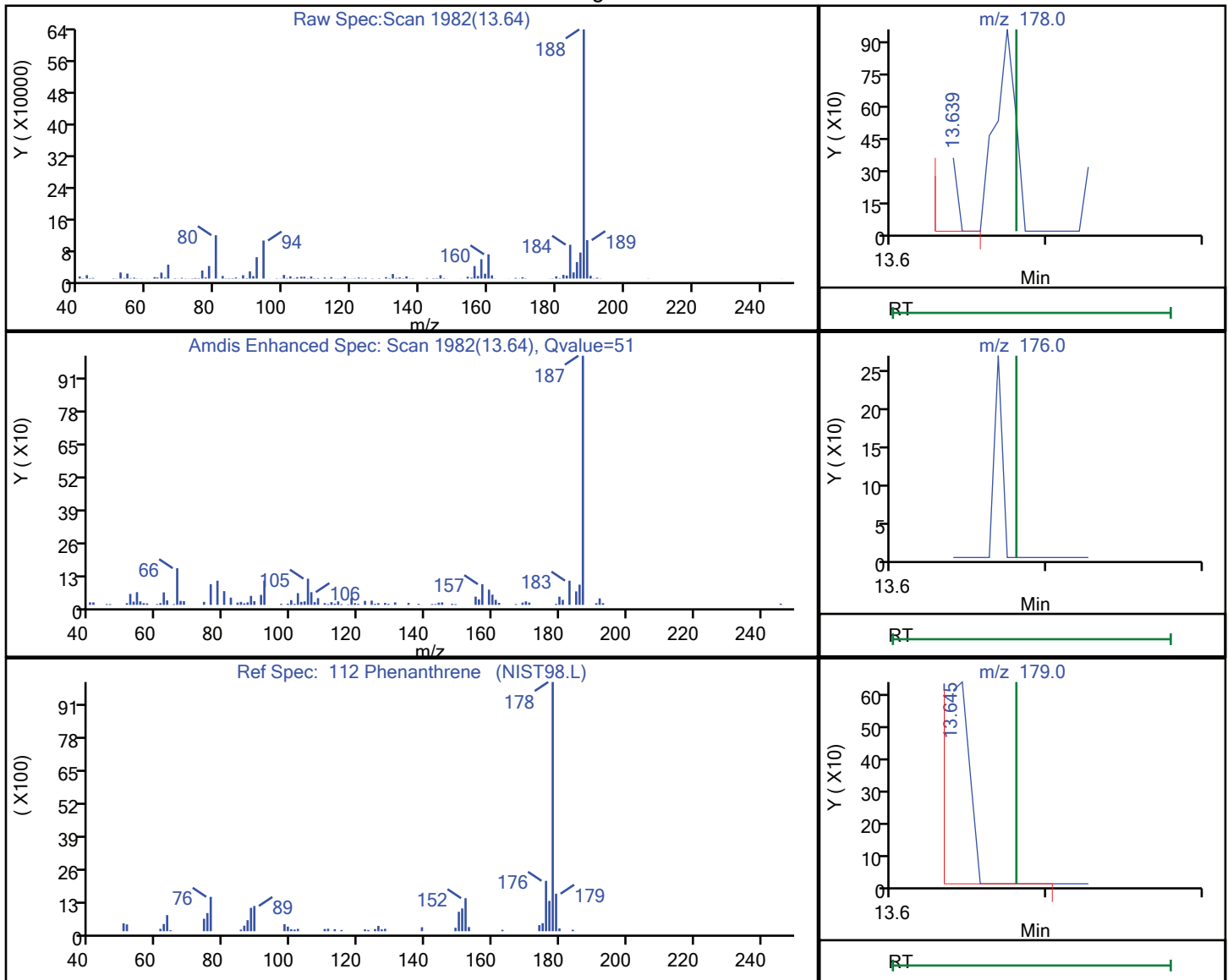
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.64	178.00	209	0.001213
13.68	176.00	0	
13.64	179.00	545	

Reviewer: monbornee, 09-Jul-2020 12:54:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-8D-20200630 Lab Sample ID: 410-6533-5

Matrix: Ground Water Lab File ID: DG0421.D

Analysis Method: 8270D Date Collected: 06/30/2020 07:56

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 246(mL) Date Analyzed: 07/09/2020 07:11

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	55		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	56		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	91		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0421.D
 Lims ID: 410-6533-D-5-A
 Client ID: MW-8D-20200630
 Sample Type: Client
 Inject. Date: 09-Jul-2020 07:11:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-5-A
 Misc. Info.: 410-0005114-022
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:56:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.059	-0.006	97	196649	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	88	1124492	14.2	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	792131	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.005	100	1574547	13.8	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	380826	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	713763	5.00	
112 Phenanthrene	178		13.680				ND	
113 Anthracene	178		13.750				ND	
121 Fluoranthene	202		15.347				ND	
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	733462	5.00	
124 Pyrene	202		15.697				ND	
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.005	99	2757904	22.8	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.584				ND	
140 Benzo[k]fluoranthene	252		19.637				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.202	-0.011	97	637211	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.828				ND	
147 Dibenzo[a,h]anthracene	278		21.869				ND	
148 Benzo[g,h,i]perylene	276		22.231				ND	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0421.D

Injection Date: 09-Jul-2020 07:11:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-5-A

Lab Sample ID: 410-6533-5

Worklist Smp#: 22

Client ID: MW-8D-20200630

Injection Vol: 1.0 ul

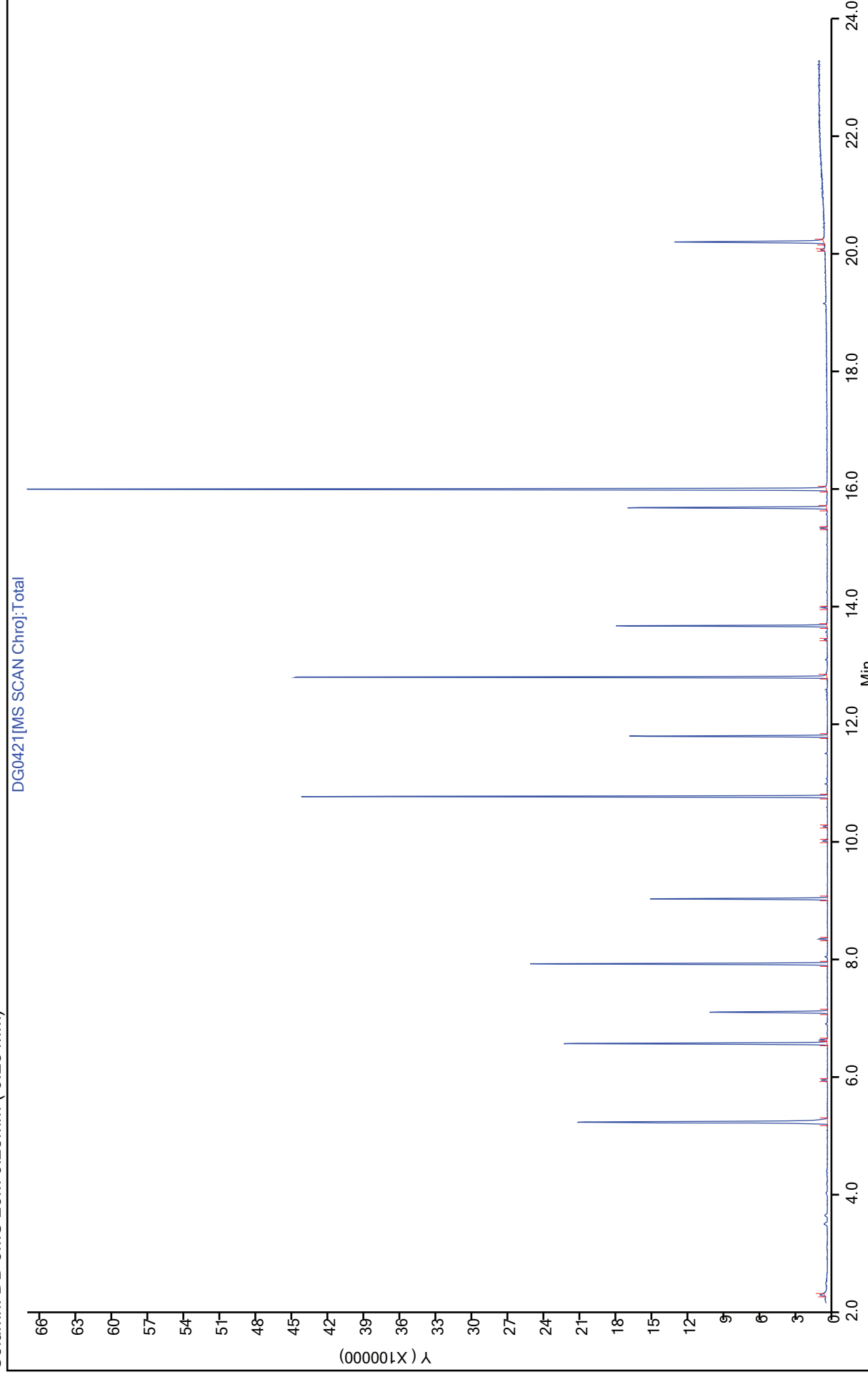
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-11S-20200630 Lab Sample ID: 410-6533-6

Matrix: Ground Water Lab File ID: DG0461.D

Analysis Method: 8270D Date Collected: 06/30/2020 08:51

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 247(mL) Date Analyzed: 07/09/2020 14:02

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20766 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	38		0.51	0.10
208-96-8	Acenaphthylene	0.84		0.51	0.10
120-12-7	Anthracene	2.4		0.51	0.10
56-55-3	Benzo[a]anthracene	0.53		0.51	0.10
50-32-8	Benzo[a]pyrene	0.23	J	0.51	0.10
205-99-2	Benzo[b]fluoranthene	0.22	J	0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	0.44	J	0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	4.9		0.51	0.10
86-73-7	Fluorene	7.1		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	1.9	B	0.51	0.10
85-01-8	Phenanthrene	1.9		0.51	0.10
129-00-0	Pyrene	6.3		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	53		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	52		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	70		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D
 Lims ID: 410-6533-D-6-A
 Client ID: MW-11S-20200630
 Sample Type: Client
 Inject. Date: 09-Jul-2020 14:02:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-6-A
 Misc. Info.: 410-0005147-012
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 20:42:46 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: williamss

Date: 09-Jul-2020 20:22:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	98	192726	5.00	
\$ 33 Nitrobenzene-d5	82	7.880	7.880	-0.006	88	993139	12.9	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	766176	5.00	
45 Naphthalene	128	9.023	9.017	0.000	98	80187	0.4595	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.006	99	1513459	13.2	
75 Acenaphthylene	152	11.547	11.553	-0.006	99	30556	0.2081	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	382077	5.00	
78 Acenaphthene	153	11.809	11.809	0.000	97	1007694	9.39	
89 Fluorene	166	12.479	12.479	0.000	94	196898	1.74	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	705566	5.00	
112 Phenanthrene	178	13.674	13.674	-0.006	98	77585	0.4635	
113 Anthracene	178	13.738	13.738	-0.006	98	97264	0.5829	
121 Fluoranthene	202	15.341	15.341	-0.006	99	229834	1.22	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	735371	5.00	
124 Pyrene	202	15.685	15.691	-0.012	96	315753	1.56	
\$ 125 p-Terphenyl-d14	244	15.976	15.971	-0.001	98	2140451	17.7	
132 Benzo[a]anthracene	228	17.708	17.713	-0.011	98	21772	0.1315	
134 Chrysene	228	17.772	17.777	-0.011	95	19135	0.1094	
138 Benzo[b]fluoranthene	252	19.567	19.579	-0.017	97	9191	0.0550	
140 Benzo[k]fluoranthene	252		19.631				ND	
141 Benzo[a]pyrene	252	20.097	20.103	-0.012	81	8520	0.0557	
* 142 Perylene-d12	264	20.191	20.197	-0.005	97	654311	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.823				ND	
147 Dibenzo(a,h)anthracene	278		21.863				ND	
148 Benzo[g,h,i]perylene	276	22.213	22.218	-0.012	91	2237	0.0183	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Worklist Smp#: 12

Client ID: MW-11S-20200630

Injection Vol: 1.0 ul

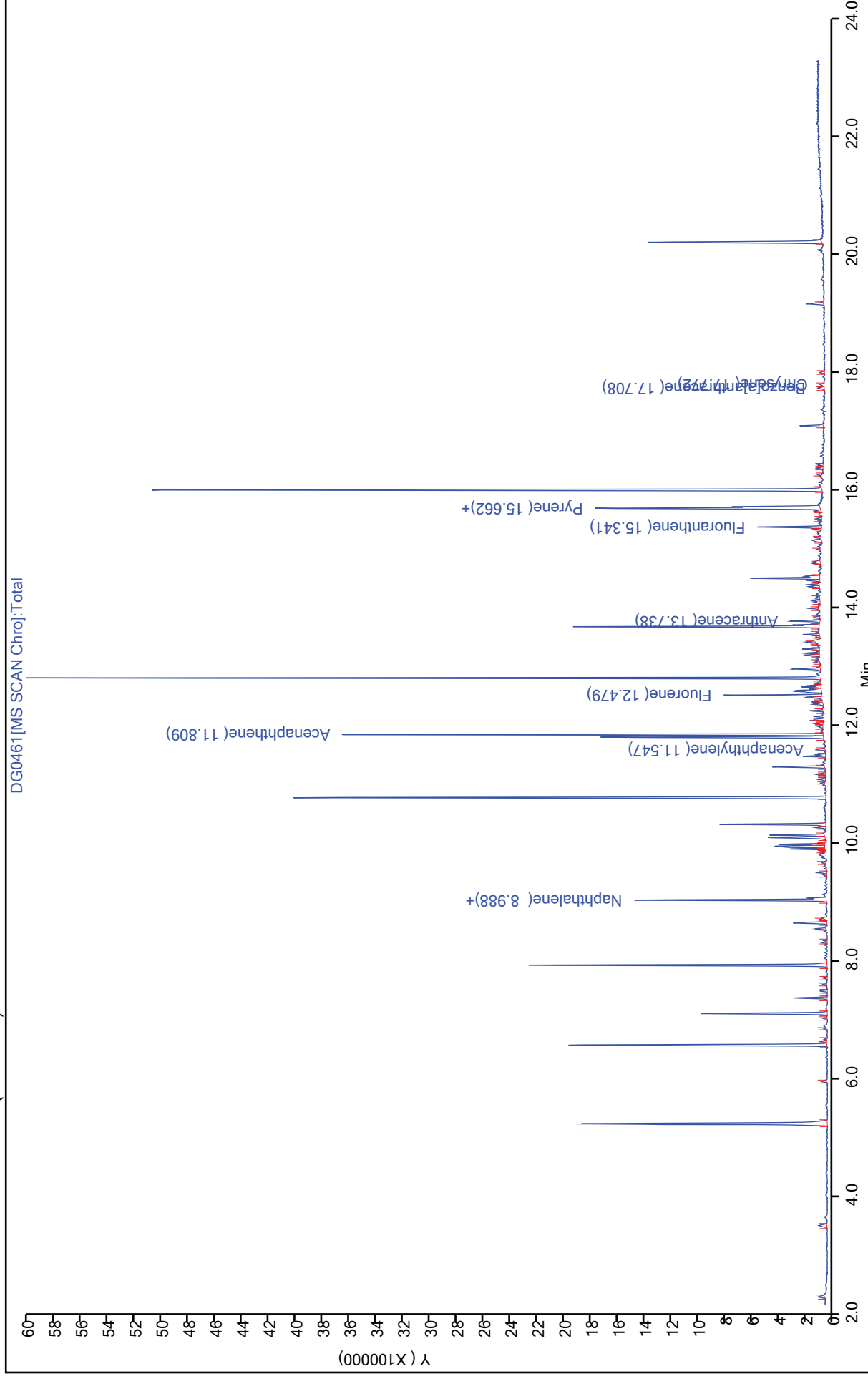
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

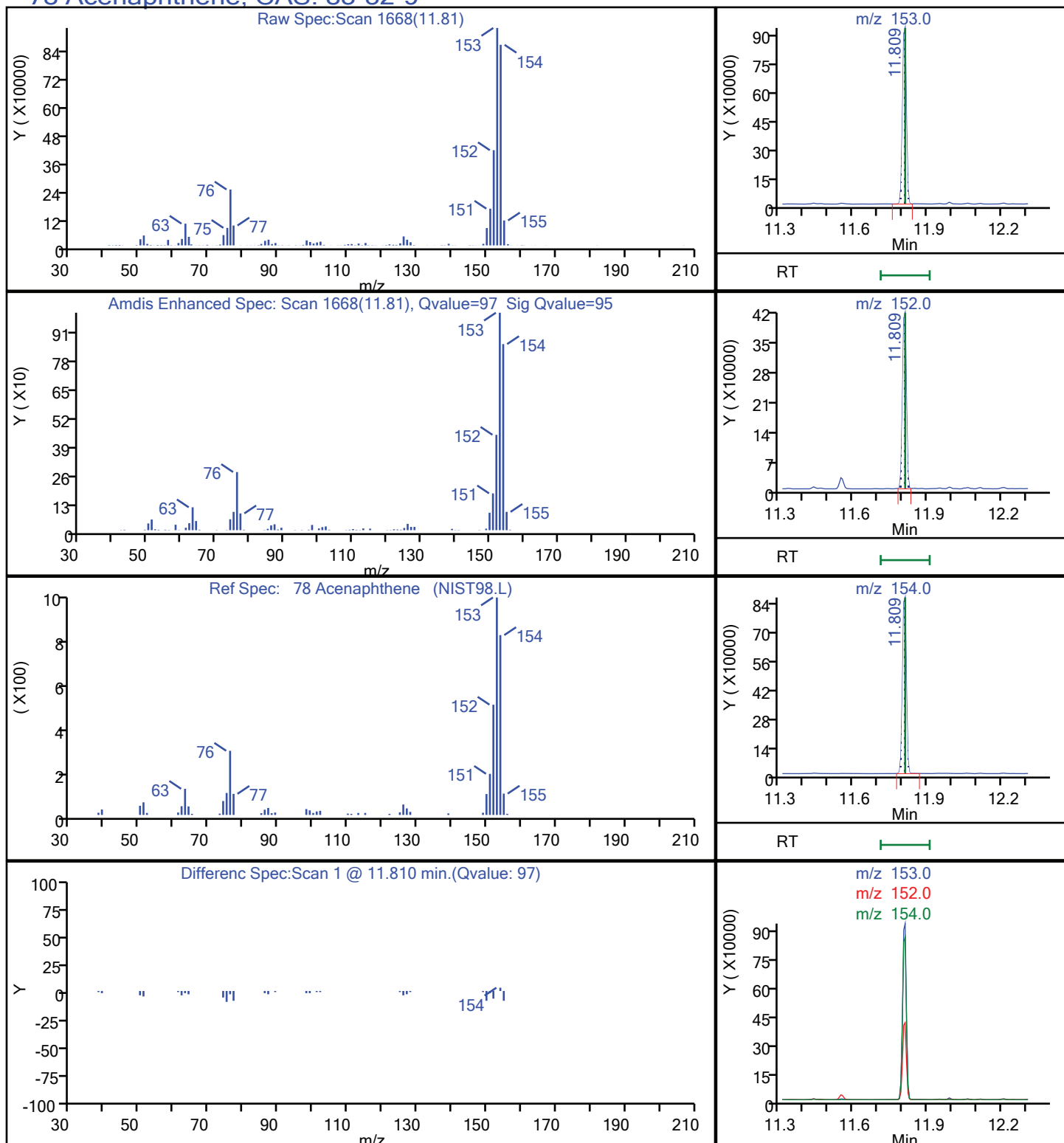
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

78 Acenaphthene, CAS: 83-32-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

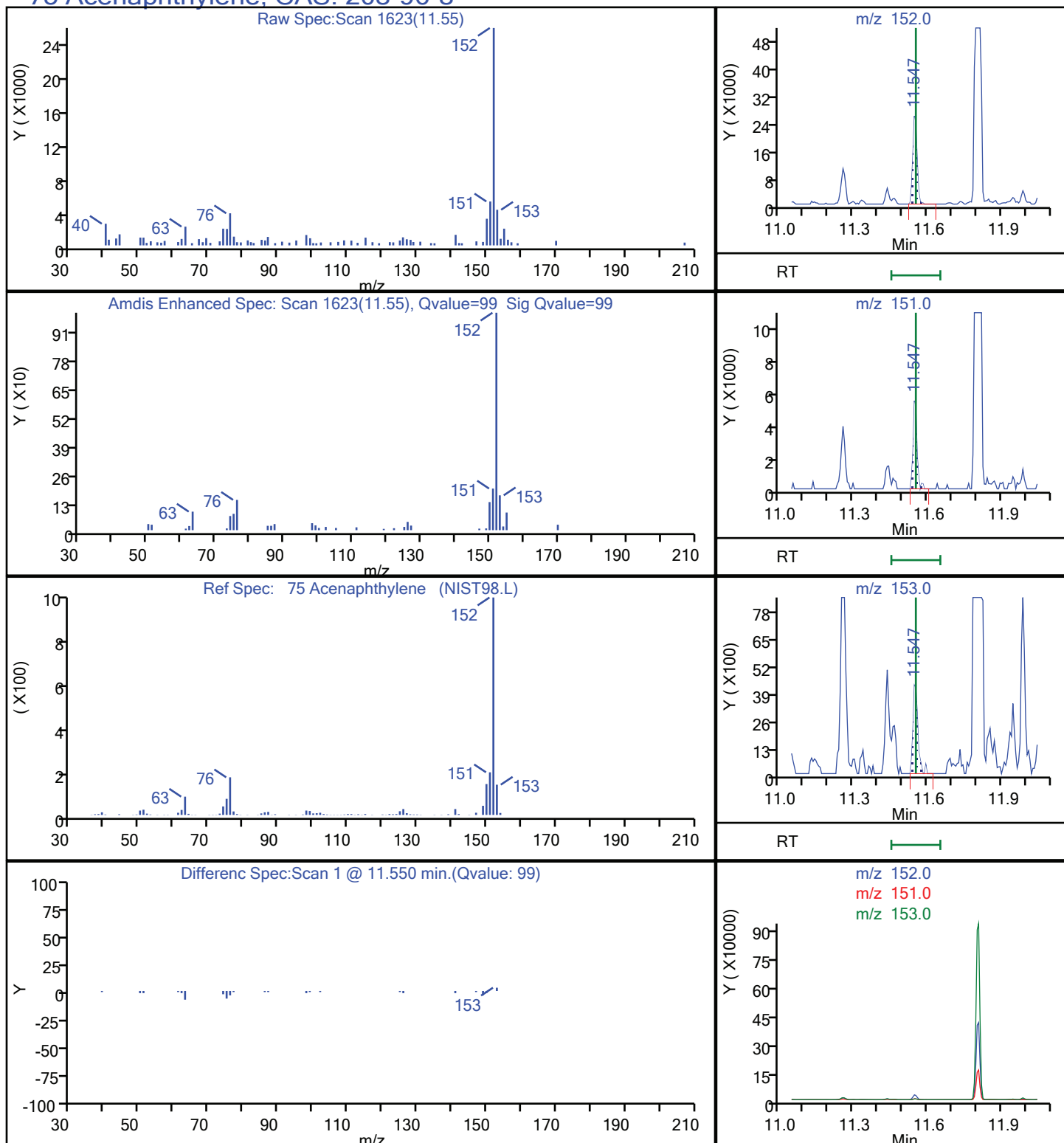
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

75 Acenaphthylene, CAS: 208-96-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

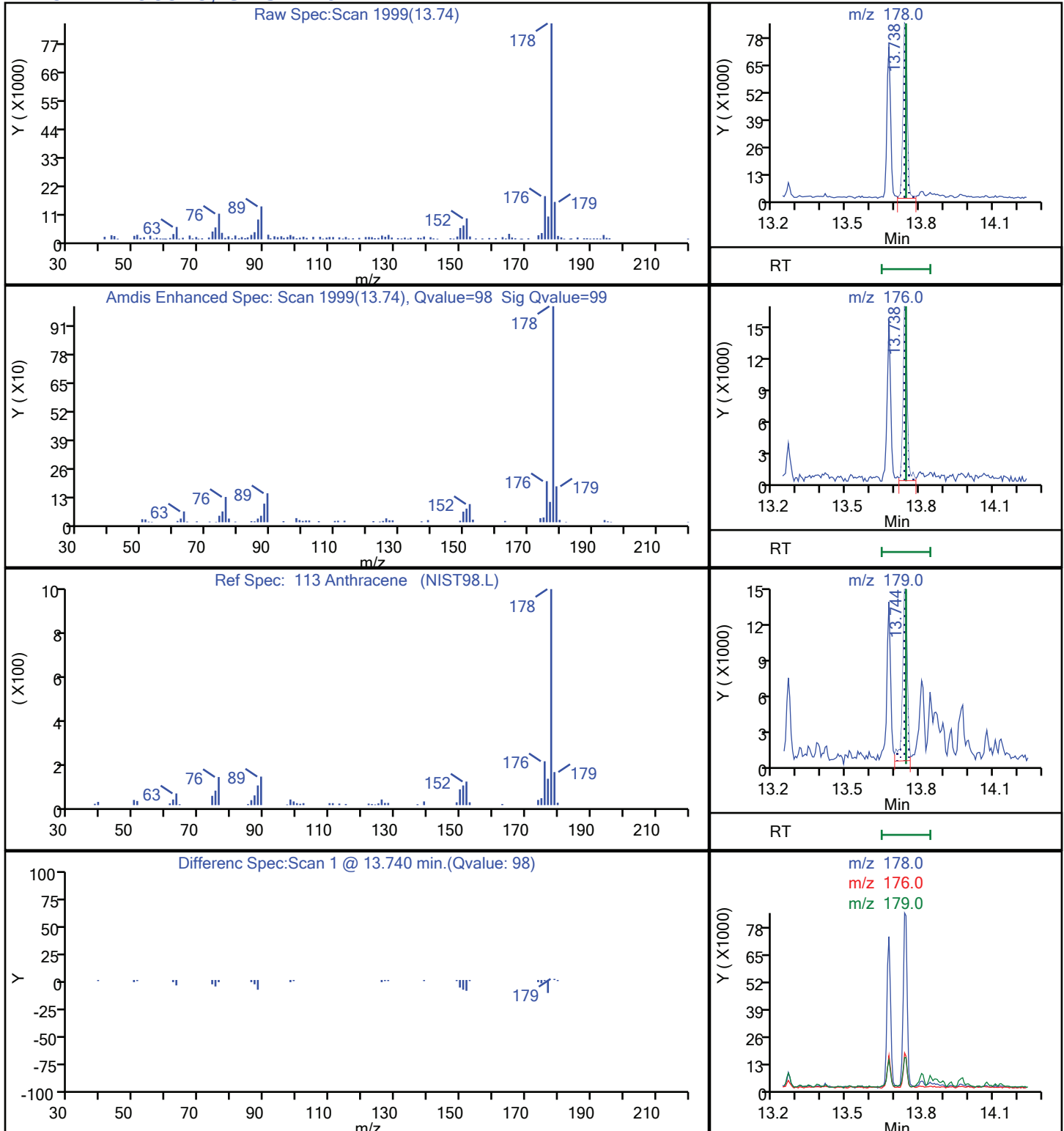
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

113 Anthracene, CAS: 120-12-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

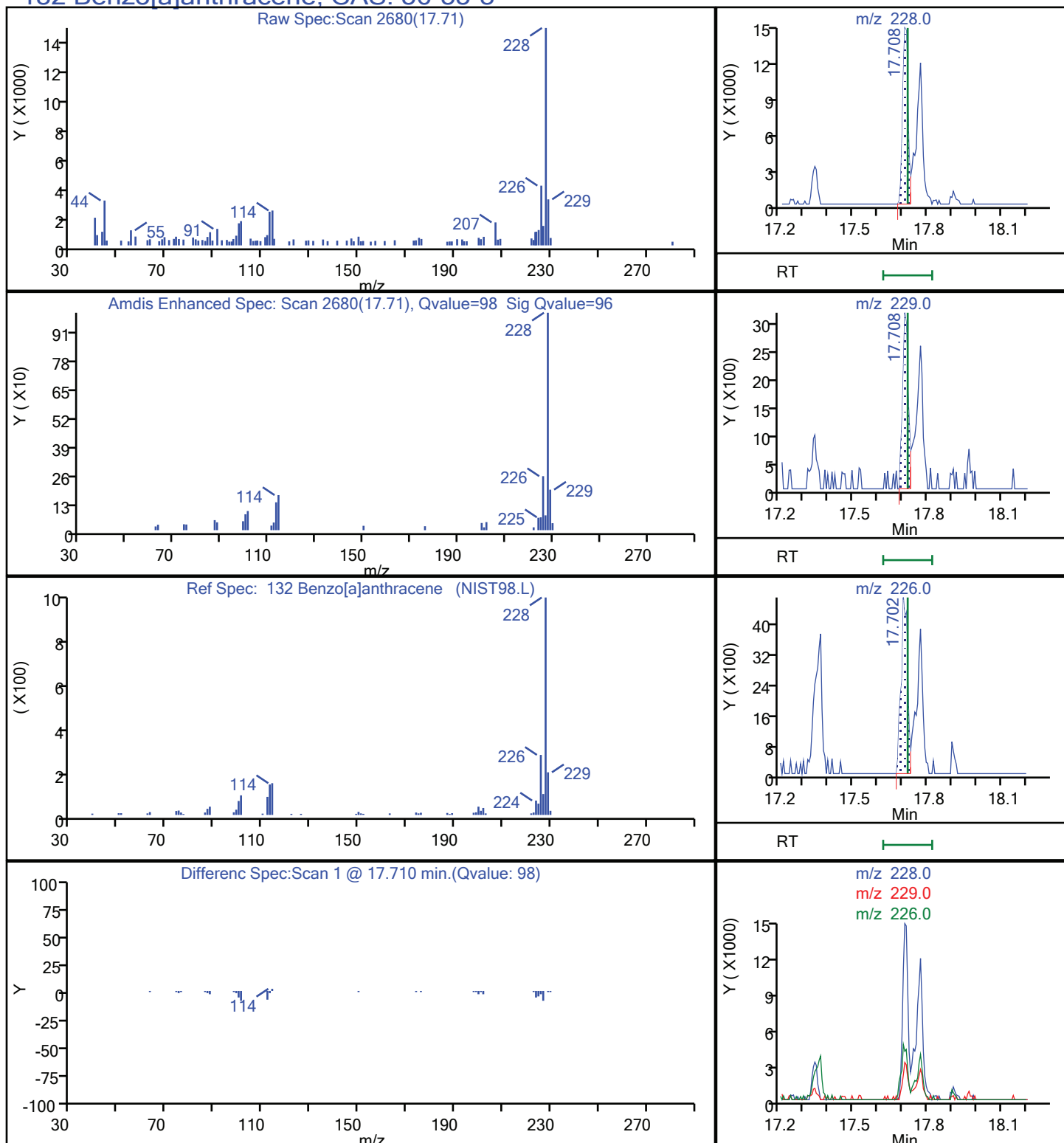
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

132 Benzo[a]anthracene, CAS: 56-55-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

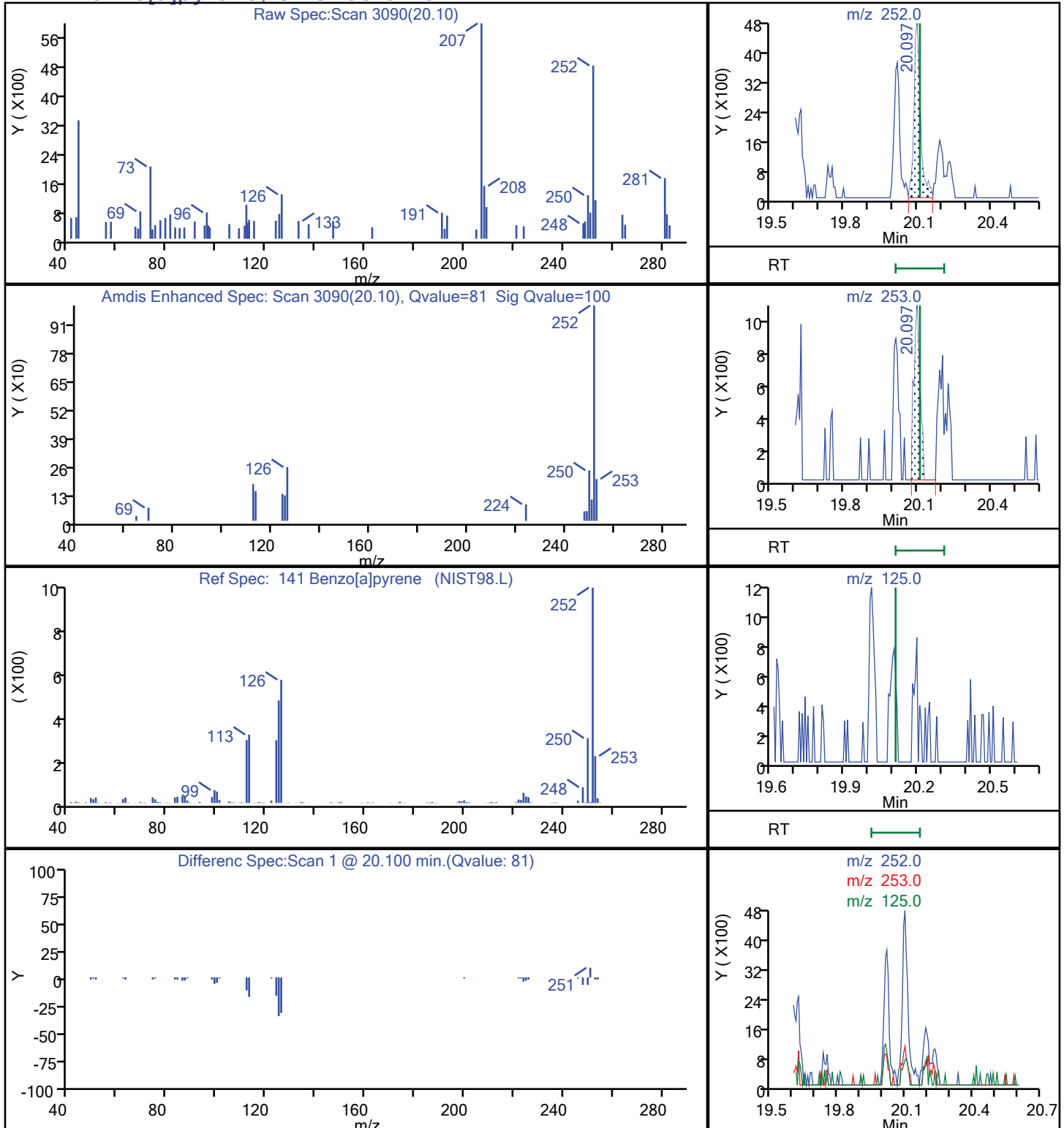
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

141 Benzo[a]pyrene, CAS: 50-32-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

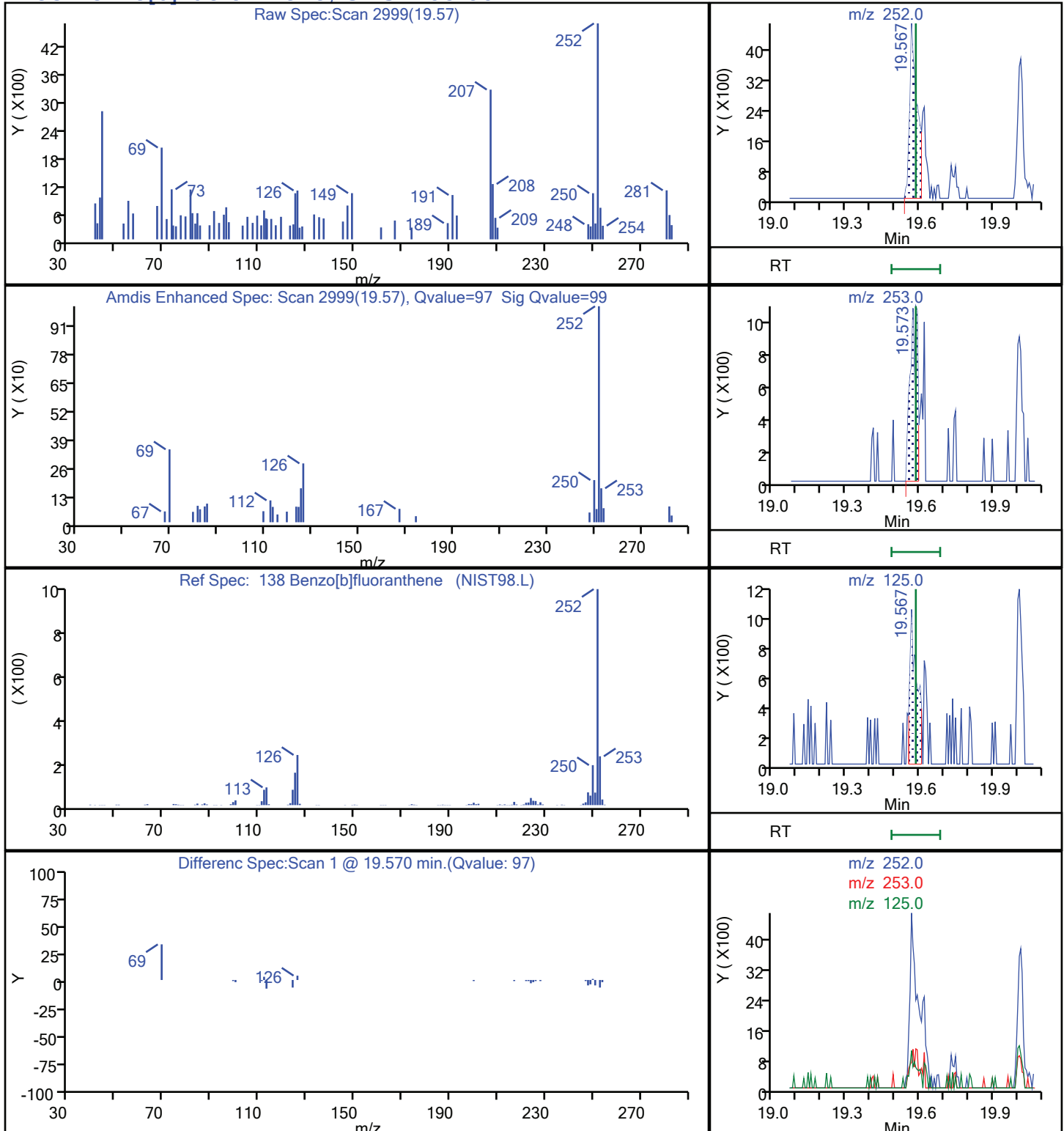
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

138 Benzo[b]fluoranthene, CAS: 205-99-2

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

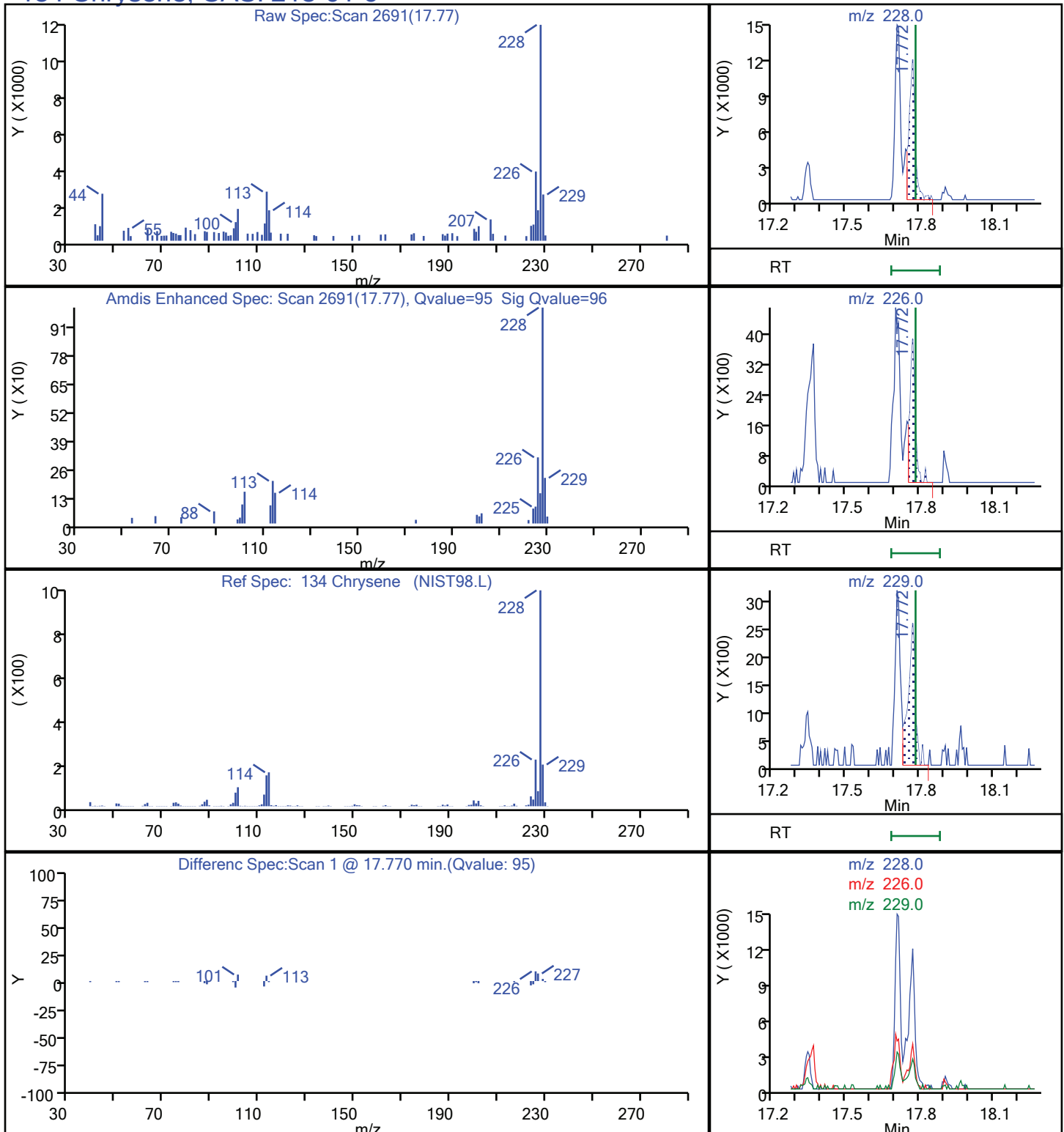
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

134 Chrysene, CAS: 218-01-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

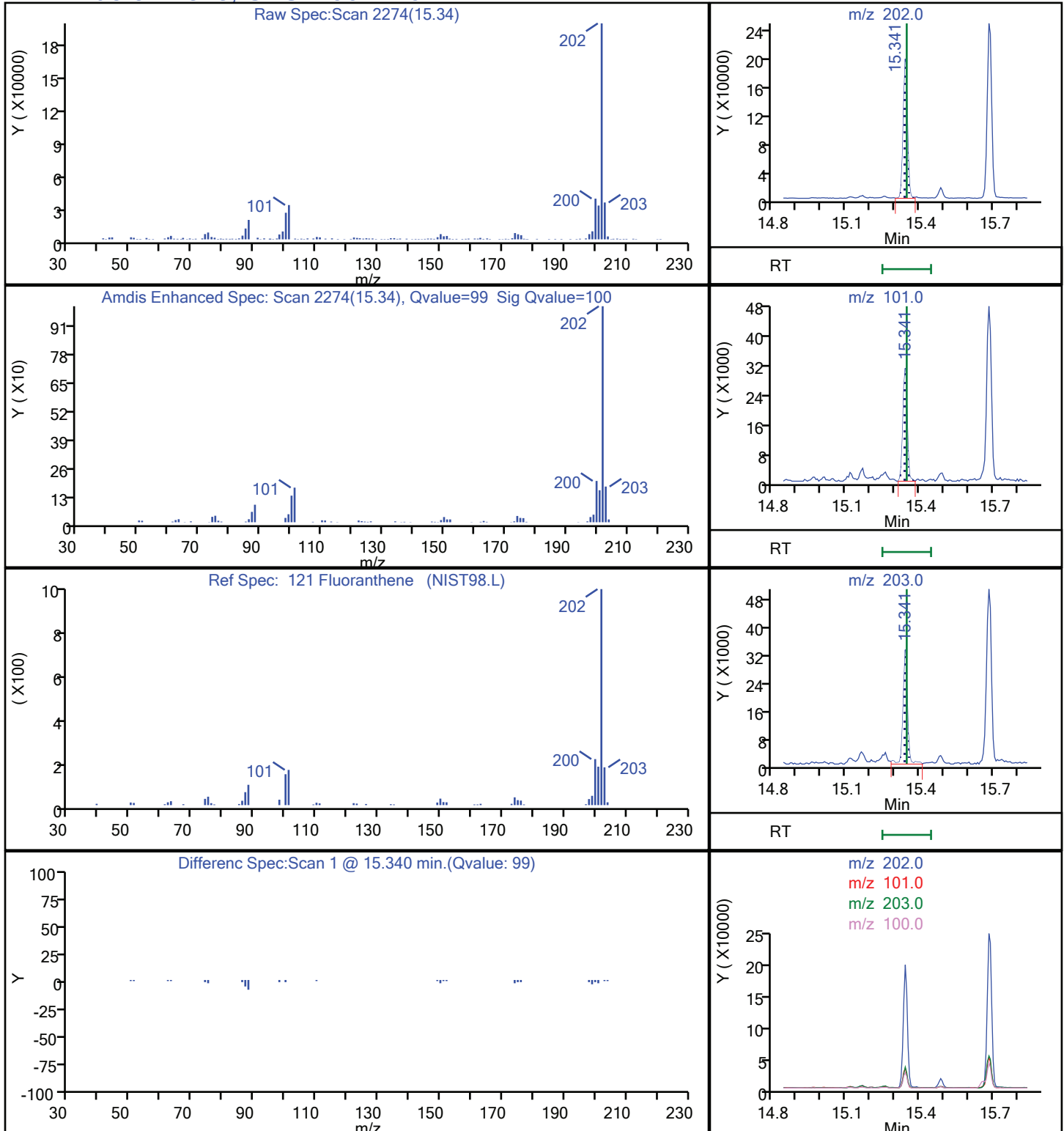
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

121 Fluoranthene, CAS: 206-44-0

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

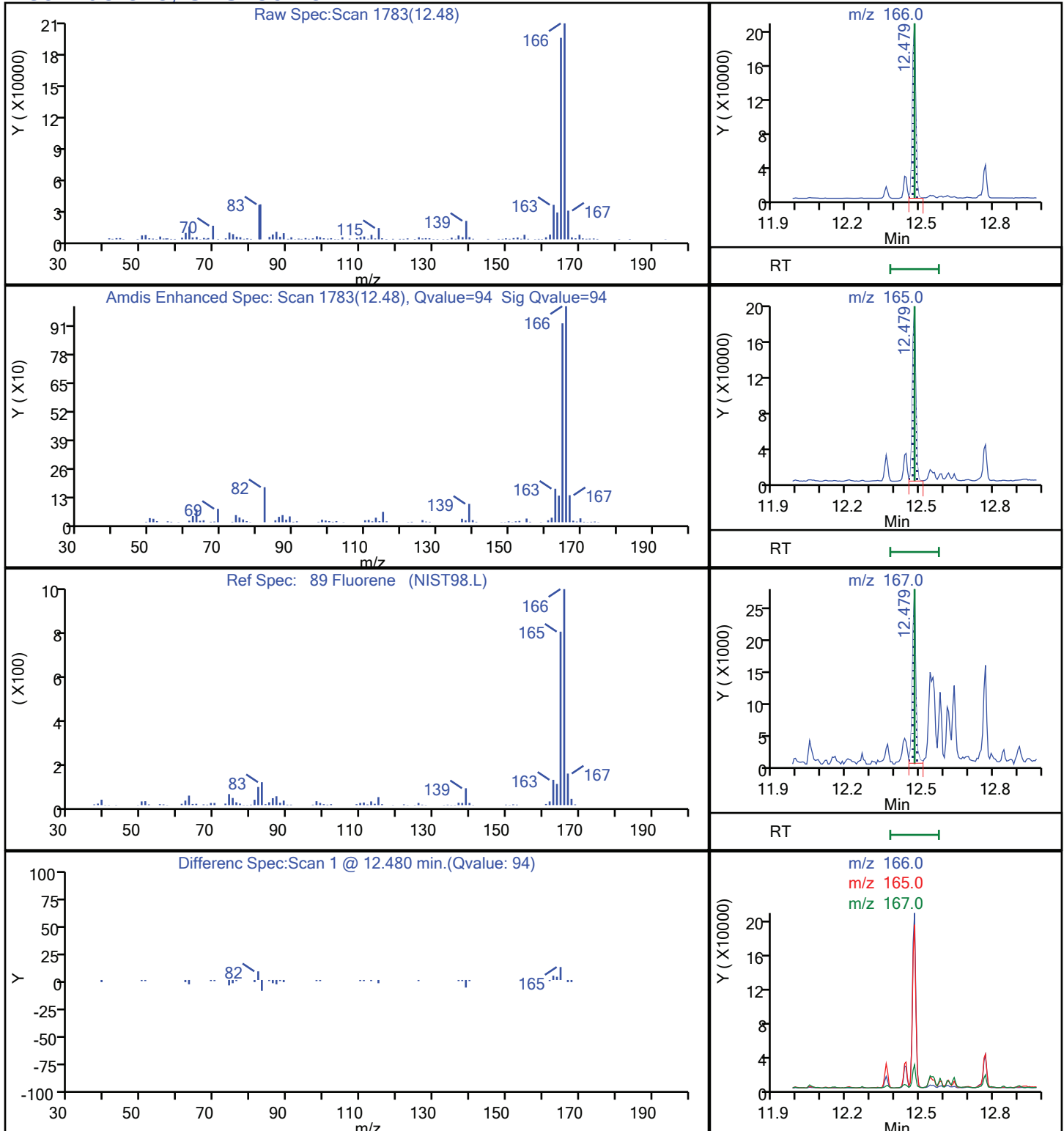
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

89 Fluorene, CAS: 86-73-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

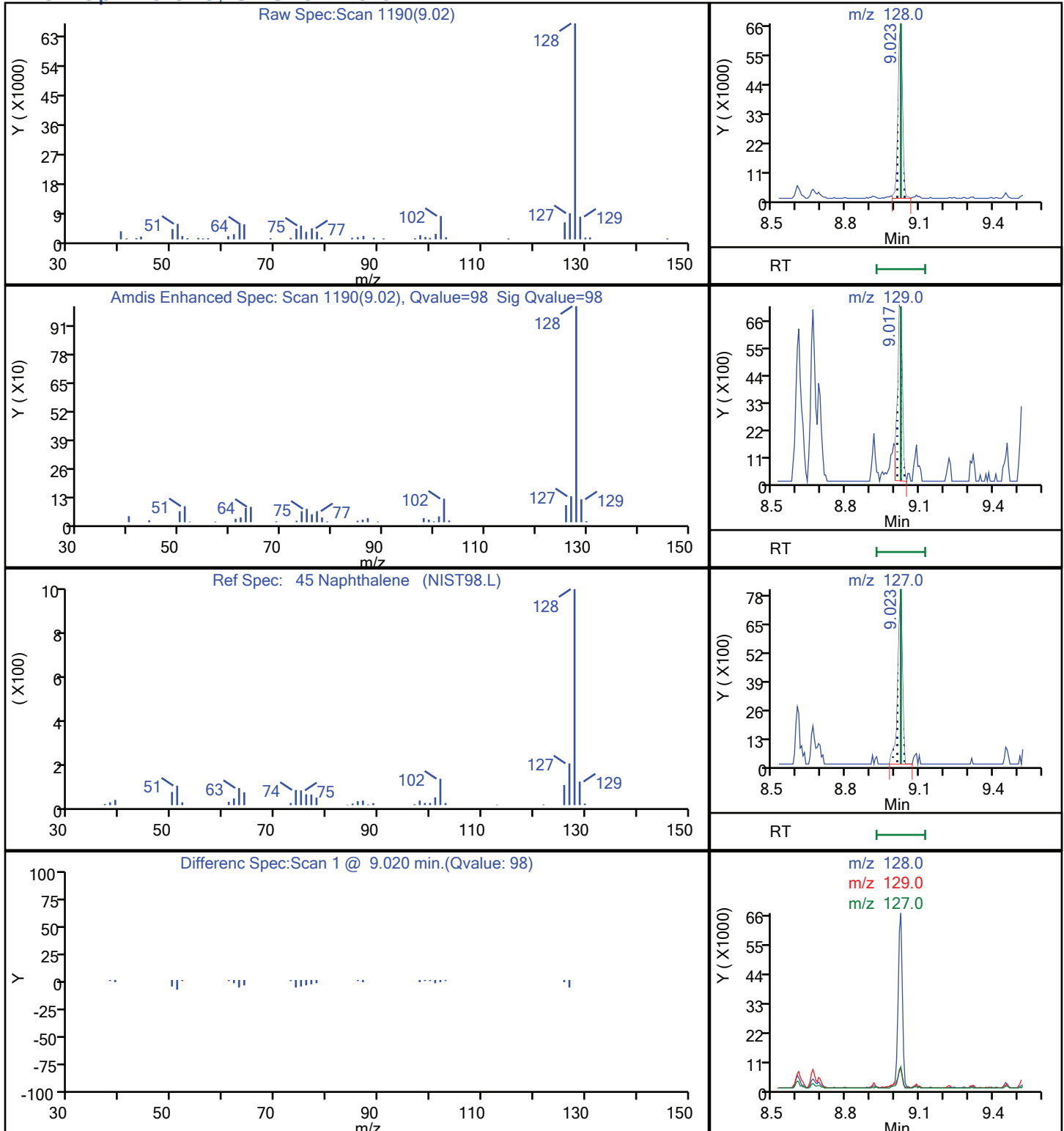
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

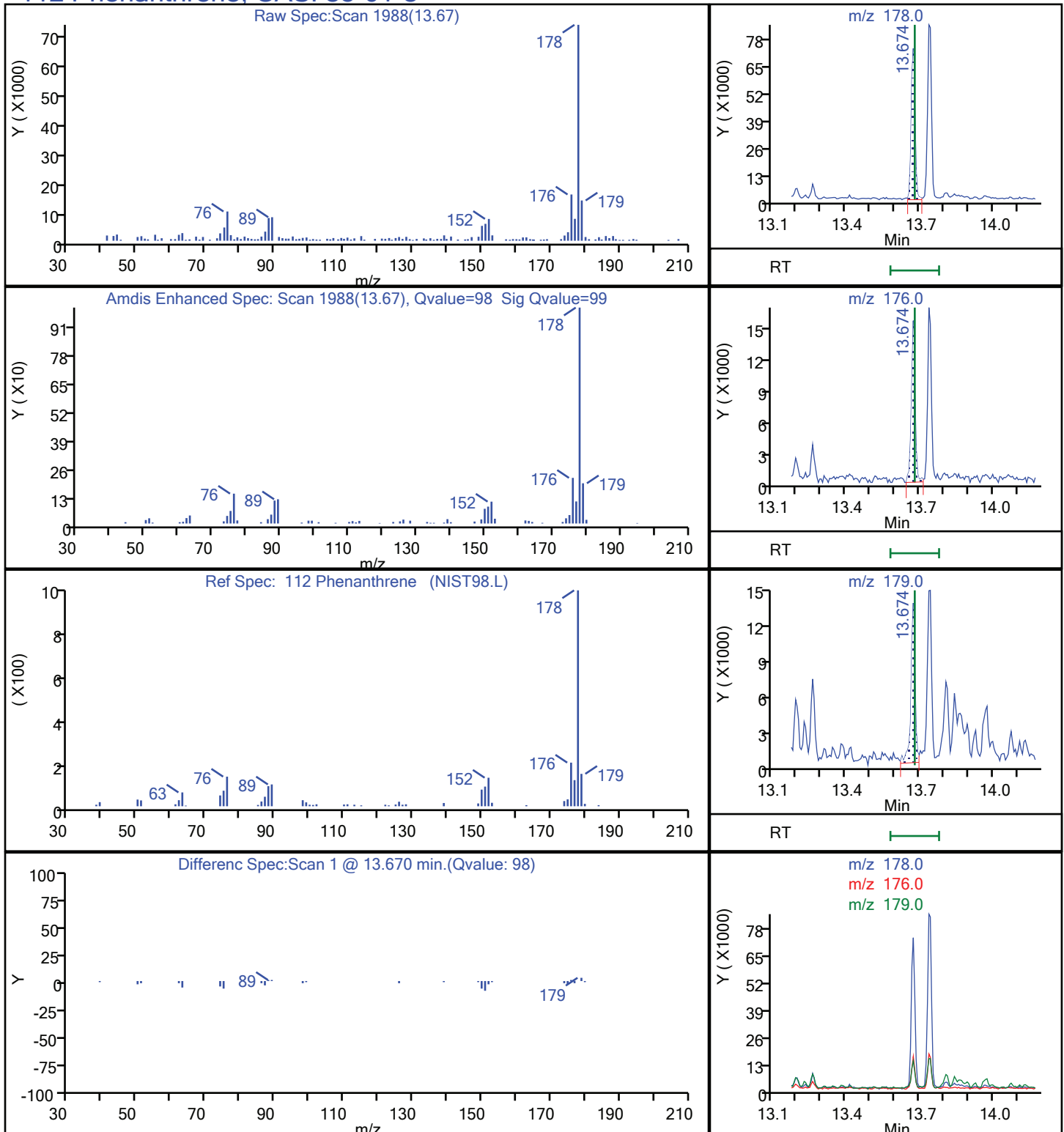
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0461.D

Injection Date: 09-Jul-2020 14:02:30

Instrument ID: HP19760

Lims ID: 410-6533-D-6-A

Lab Sample ID: 410-6533-6

Client ID: MW-11S-20200630

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

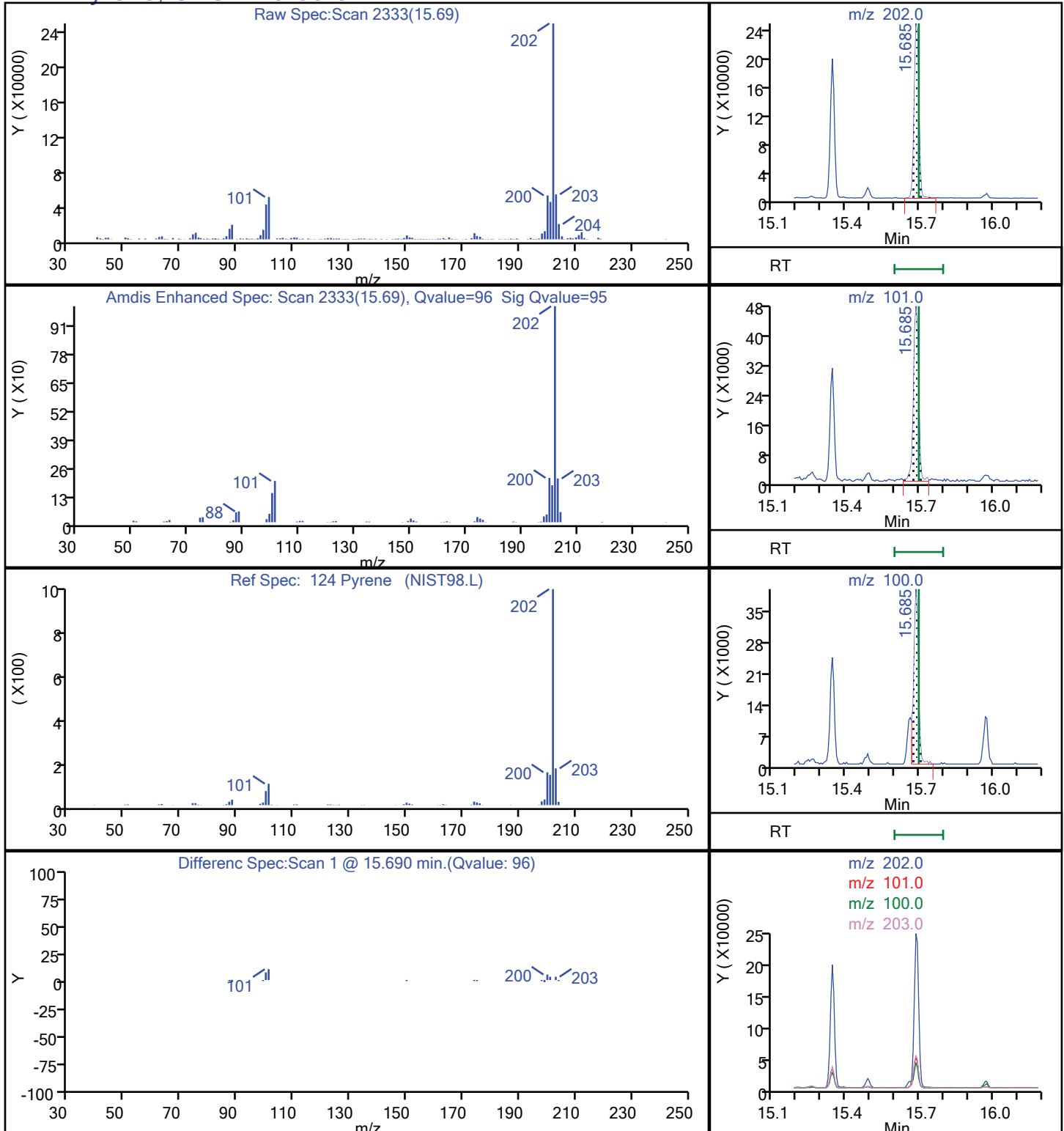
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

124 Pyrene, CAS: 129-00-0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-11D-20200630 Lab Sample ID: 410-6533-7
 Matrix: Ground Water Lab File ID: DG0462.D
 Analysis Method: 8270D Date Collected: 06/30/2020 09:28
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:23
 Sample wt/vol: 249(mL) Date Analyzed: 07/09/2020 14:31
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 20766 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	61		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	92		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0462.D
 Lims ID: 410-6533-D-7-A
 Client ID: MW-11D-20200630
 Sample Type: Client
 Inject. Date: 09-Jul-2020 14:31:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-7-A
 Misc. Info.: 410-0005147-013
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 20:42:46 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: williamss

Date: 09-Jul-2020 20:26:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.059	-0.006	98	188186	5.00	
\$ 33 Nitrobenzene-d5	82	7.880	7.880	-0.006	88	1133087	15.3	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	739354	5.00	
45 Naphthalene	128	9.023	9.017	0.000	90	1940	0.0115	7
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.006	100	1676415	15.6	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	359355	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	668512	5.00	
112 Phenanthrene	178		13.680				ND	U
113 Anthracene	178		13.744				ND	
121 Fluoranthene	202	15.341	15.341	-0.006	94	2489	0.0140	
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	100	694059	5.00	
124 Pyrene	202	15.685	15.691	-0.012	93	2843	0.0149	
\$ 125 p-Terphenyl-d14	244	15.976	15.971	-0.001	98	2645828	23.1	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252	19.567	19.579	-0.017	62	1634	0.0106	7
140 Benzo[k]fluoranthene	252		19.631				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.197	-0.005	97	603196	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.823				ND	
147 Dibenzo(a,h)anthracene	278		21.863				ND	
148 Benzo[g,h,i]perylene	276		22.225				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0462.D

Injection Date: 09-Jul-2020 14:31:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-7-A

Lab Sample ID: 410-6533-7

Worklist Smp#: 13

Client ID: MW-11D-20200630

Injection Vol: 1.0 ul

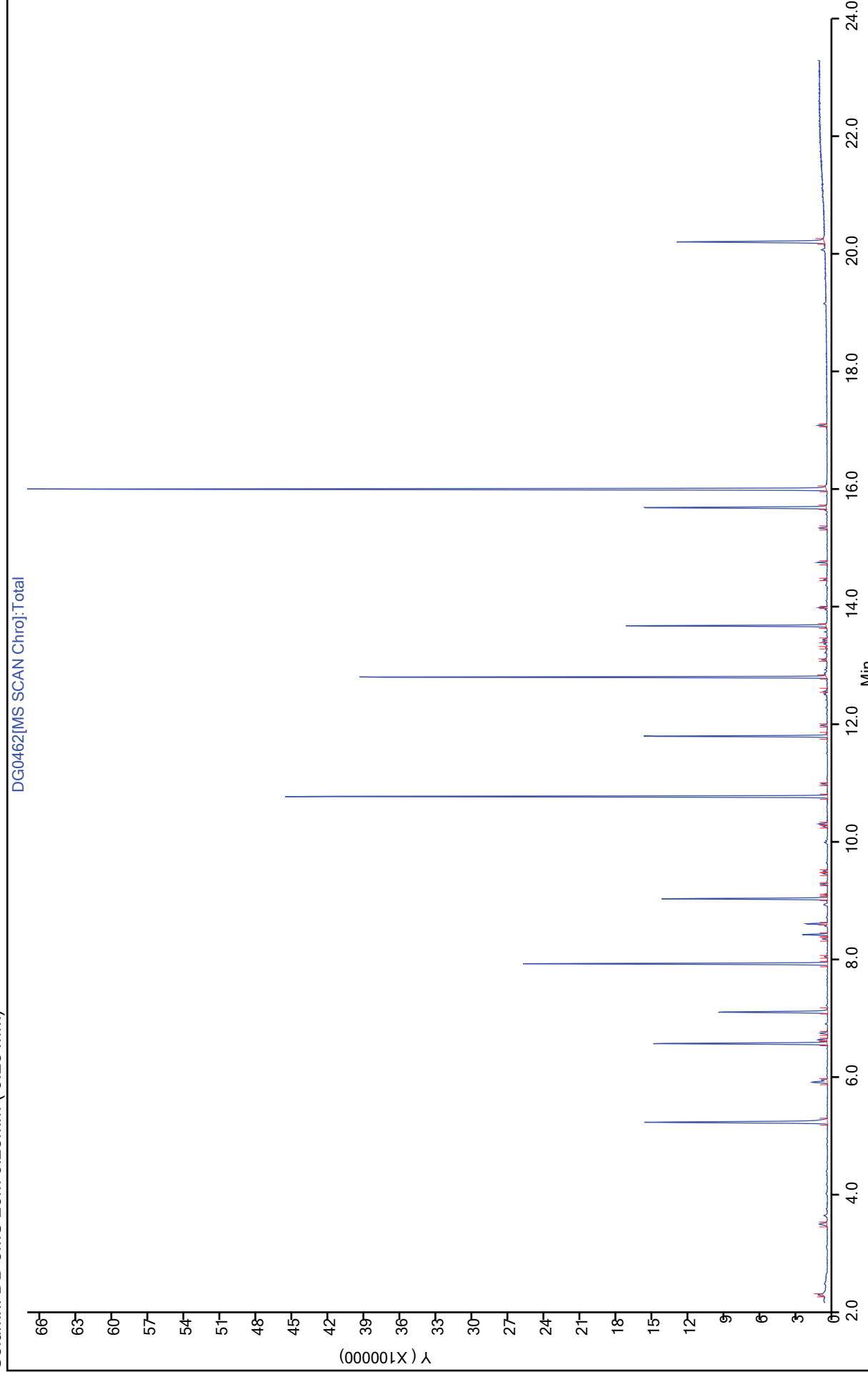
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0462.D

Injection Date: 09-Jul-2020 14:31:30

Instrument ID: HP19760

Lims ID: 410-6533-D-7-A

Lab Sample ID: 410-6533-7

Client ID: MW-11D-20200630

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

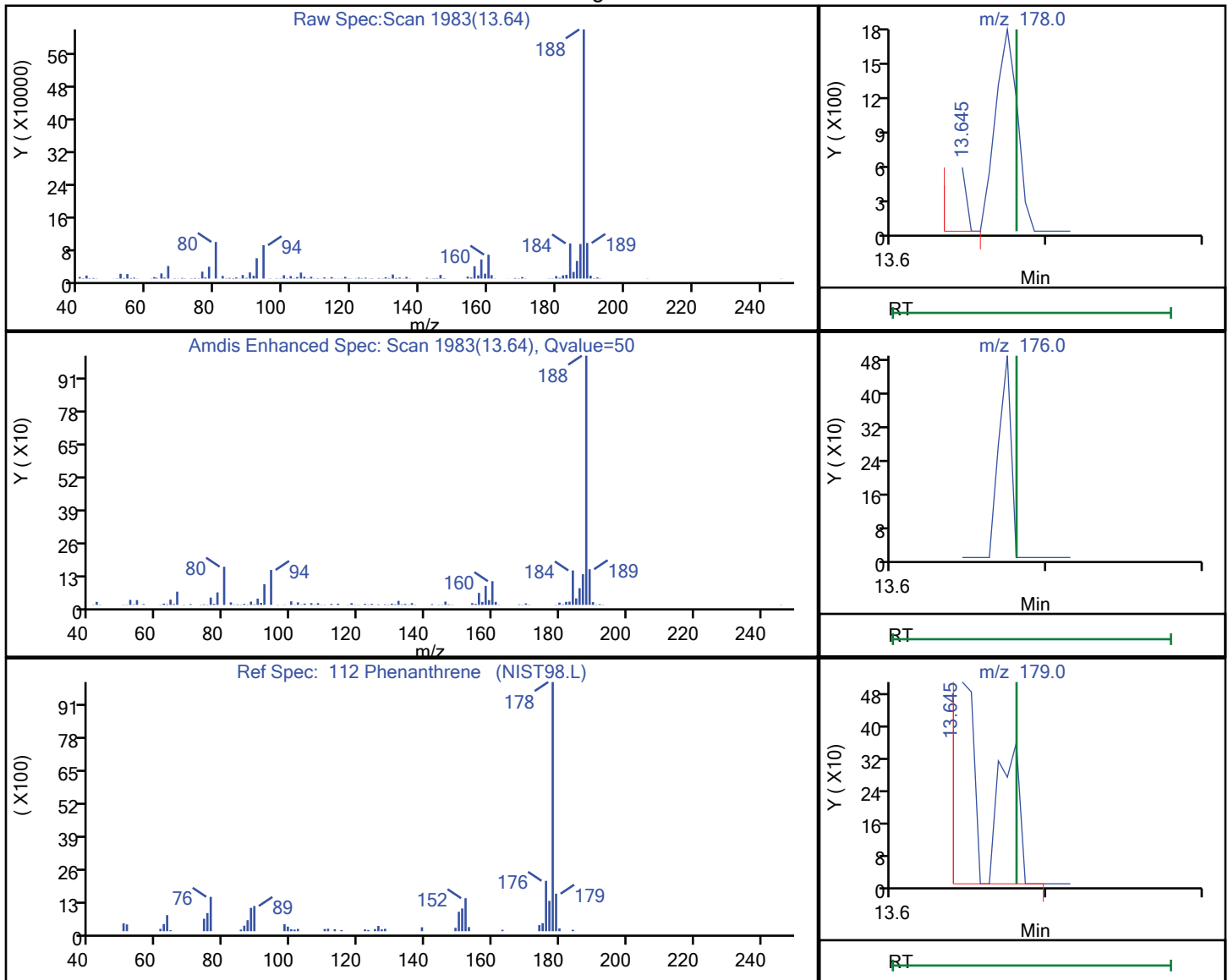
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.64	178.00	330	0.002081
13.68	176.00	0	
13.64	179.00	674	

Reviewer: williamss, 09-Jul-2020 20:25:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-7S-20200630 Lab Sample ID: 410-6533-8

Matrix: Ground Water Lab File ID: DG0463.D

Analysis Method: 8270D Date Collected: 06/30/2020 10:24

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 248(mL) Date Analyzed: 07/09/2020 15:00

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20766 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.14	J	0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	91		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0463.D
 Lims ID: 410-6533-D-8-A
 Client ID: MW-7S-20200630
 Sample Type: Client
 Inject. Date: 09-Jul-2020 15:00:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-8-A
 Misc. Info.: 410-0005147-014
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 20:42:46 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: williamss

Date: 09-Jul-2020 20:33:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.059	-0.006	98	182753	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.880	-0.005	88	1167502	15.9	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	730692	5.00	
45 Naphthalene	128	9.023	9.017	0.000	92	2575	0.0155	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.006	100	1878157	17.0	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	369389	5.00	
78 Acenaphthene	153	11.803	11.809	-0.006	51	3728	0.0359	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	98	671795	5.00	
112 Phenanthrene	178		13.680				ND	U
113 Anthracene	178		13.744				ND	
121 Fluoranthene	202		15.347				ND	
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	702752	5.00	
124 Pyrene	202		15.697				ND	
\$ 125 p-Terphenyl-d14	244	15.977	15.971	0.000	98	2633547	22.7	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.585				ND	
140 Benzo[k]fluoranthene	252		19.631				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.197	-0.005	97	608946	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.823				ND	
147 Dibenzo(a,h)anthracene	278		21.863				ND	
148 Benzo[g,h,i]perylene	276		22.225				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0463.D

Injection Date: 09-Jul-2020 15:00:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-8-A

Lab Sample ID: 410-6533-8

Worklist Smp#: 14

Client ID: MW-7S-20200630

Injection Vol: 1.0 ul

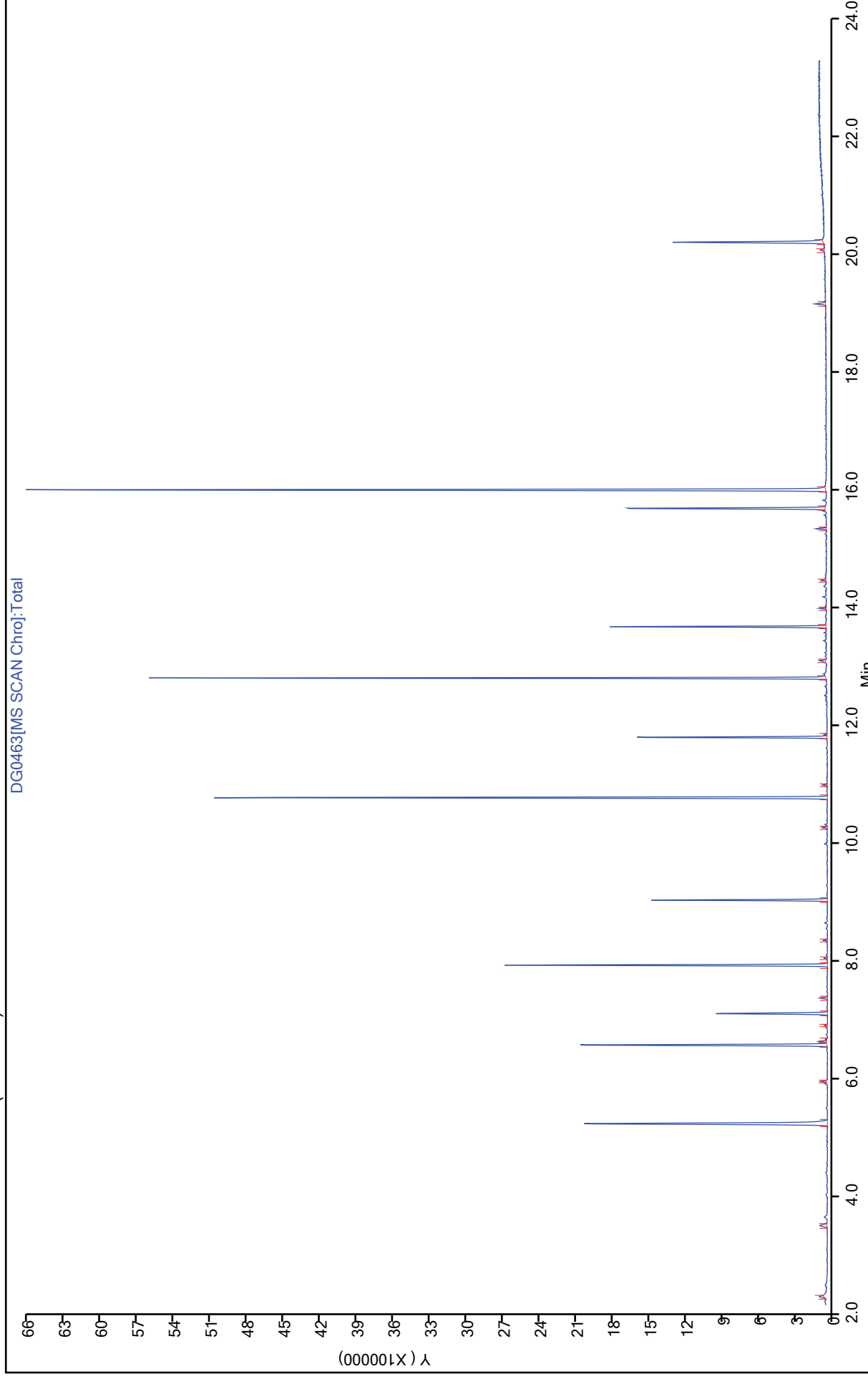
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0463.D

Injection Date: 09-Jul-2020 15:00:30

Instrument ID: HP19760

Lims ID: 410-6533-D-8-A

Lab Sample ID: 410-6533-8

Client ID: MW-7S-20200630

Operator ID: em10340

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

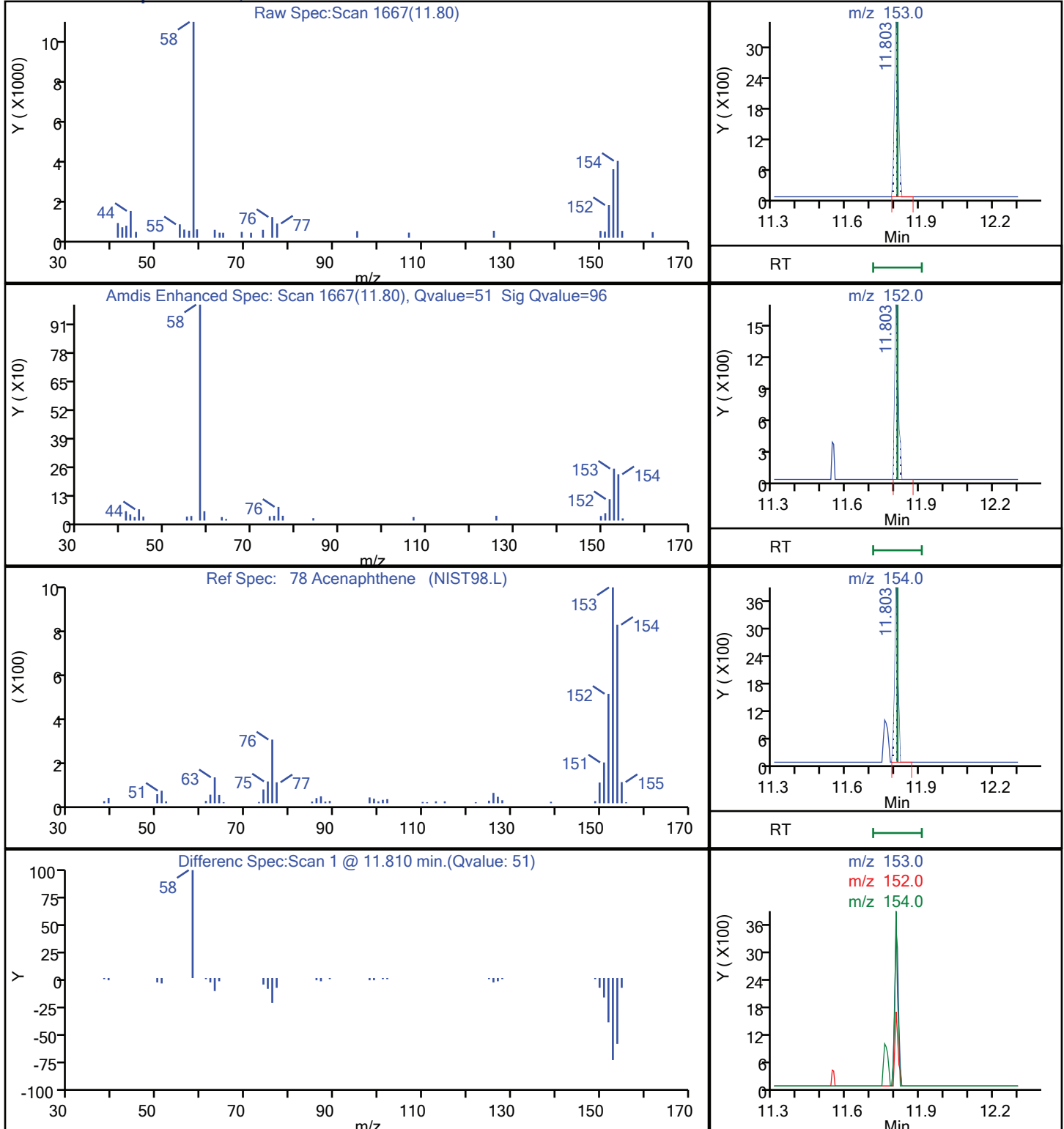
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

78 Acenaphthene, CAS: 83-32-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0463.D

Injection Date: 09-Jul-2020 15:00:30

Instrument ID: HP19760

Lims ID: 410-6533-D-8-A

Lab Sample ID: 410-6533-8

Client ID: MW-7S-20200630

Operator ID: em10340

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

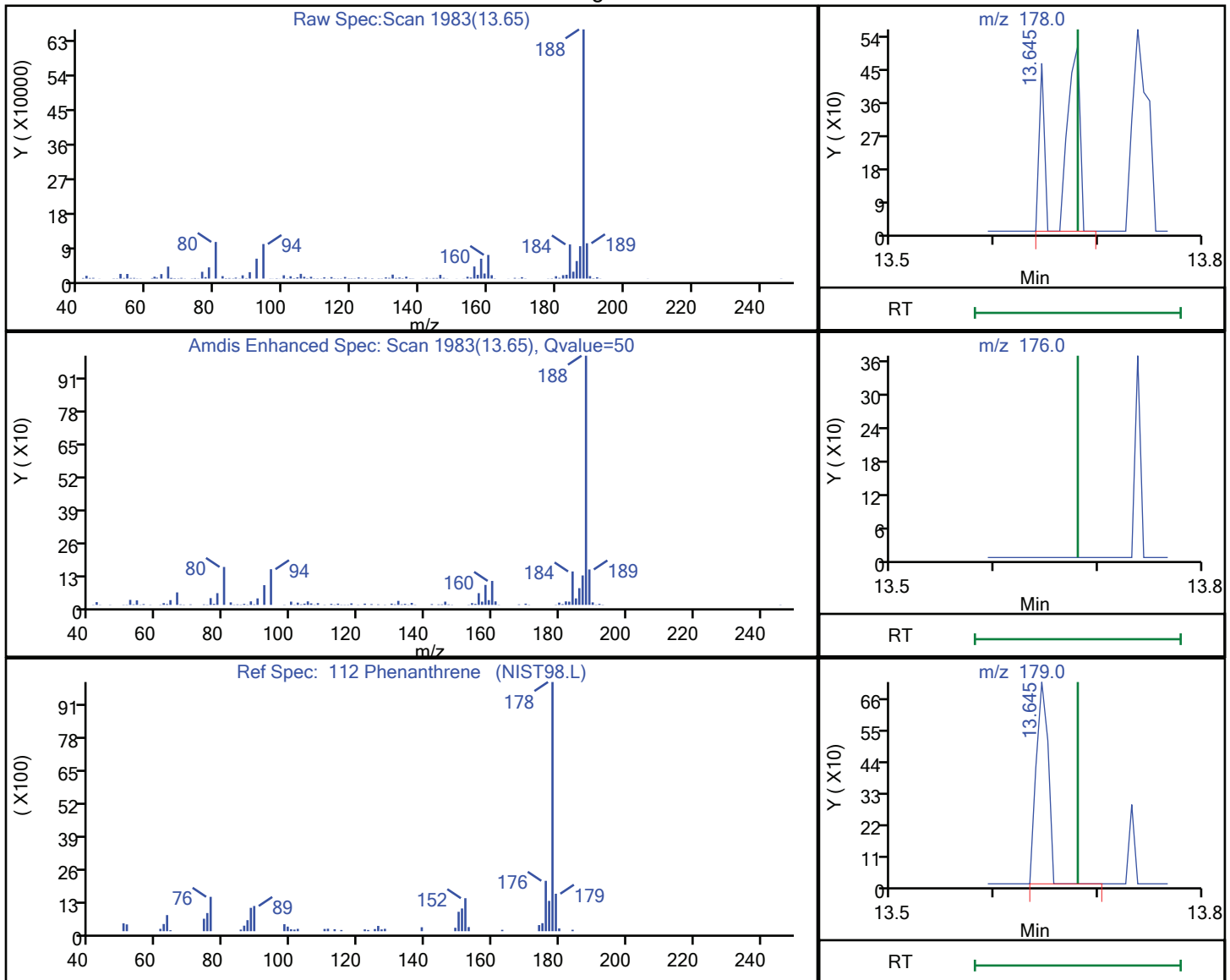
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.65	178.00	578	0.003627
13.68	176.00	0	
13.65	179.00	570	

Reviewer: williamss, 09-Jul-2020 20:33:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-7D-20200630 Lab Sample ID: 410-6533-9

Matrix: Ground Water Lab File ID: DG0464.D

Analysis Method: 8270D Date Collected: 06/30/2020 11:03

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 243(mL) Date Analyzed: 07/09/2020 15:28

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20766 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	55		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	77		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0464.D
 Lims ID: 410-6533-D-9-A
 Client ID: MW-7D-20200630
 Sample Type: Client
 Inject. Date: 09-Jul-2020 15:28:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-9-A
 Misc. Info.: 410-0005147-015
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 20:42:46 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: williamss

Date: 09-Jul-2020 20:36:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	98	184051	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.880	-0.005	88	1001382	13.8	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	724399	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.006	99	1603312	15.2	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	352073	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	660643	5.00	
112 Phenanthrene	178		13.680				ND	
113 Anthracene	178		13.744				ND	
121 Fluoranthene	202		15.347				ND	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	685806	5.00	
124 Pyrene	202		15.697				ND	
\$ 125 p-Terphenyl-d14	244	15.977	15.971	0.000	98	2187322	19.3	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.585				ND	
140 Benzo[k]fluoranthene	252		19.631				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.197	-0.005	97	570832	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.823				ND	
147 Dibenzo[a,h]anthracene	278		21.863				ND	
148 Benzo[g,h,i]perylene	276		22.225				ND	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0464.D

Injection Date: 09-Jul-2020 15:28:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-9-A

Lab Sample ID: 410-6533-9

Worklist Smp#: 15

Client ID: MW-7D-20200630

Injection Vol: 1.0 ul

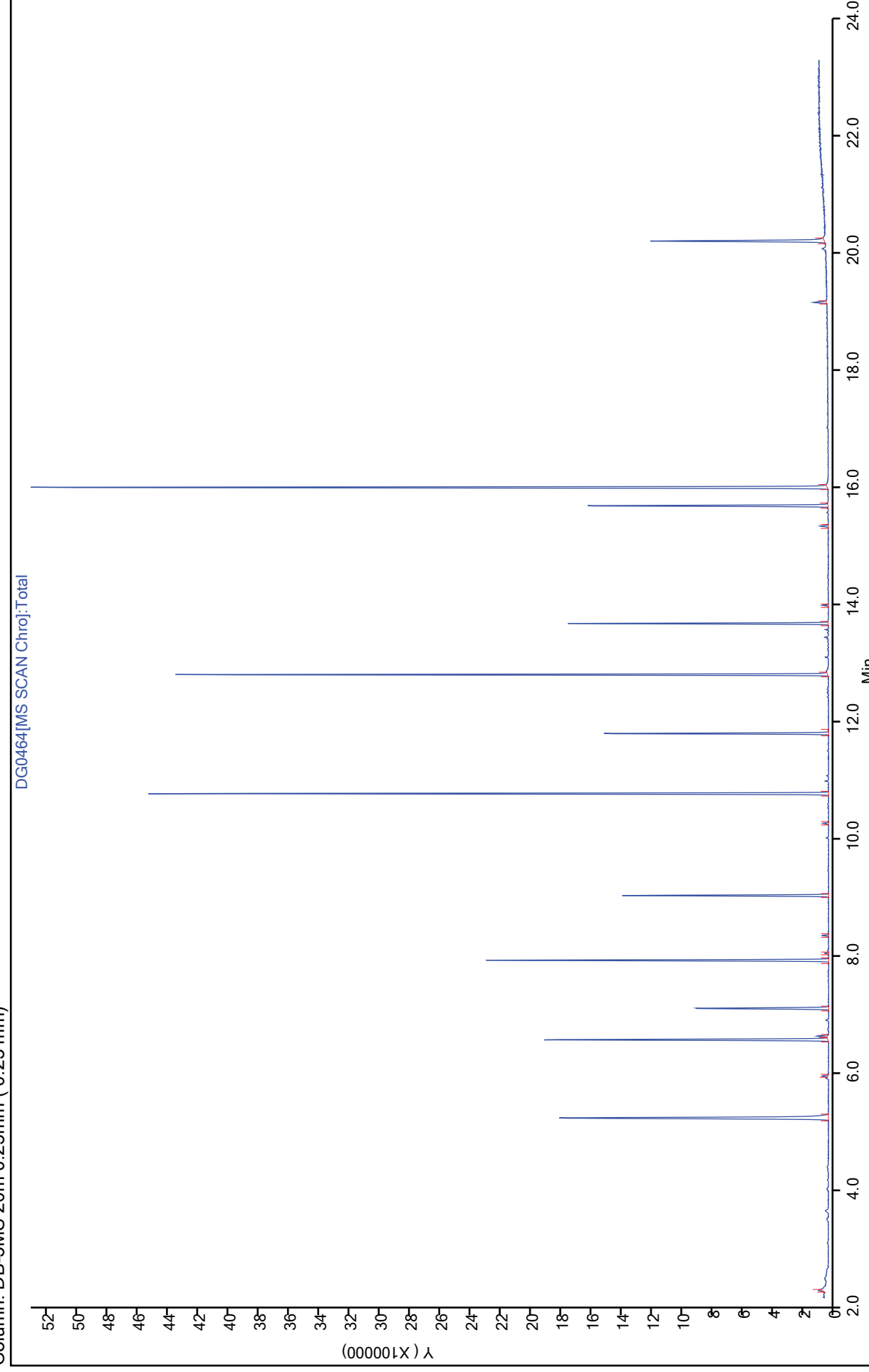
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-14S-20200630 Lab Sample ID: 410-6533-10
 Matrix: Ground Water Lab File ID: DG0465.D
 Analysis Method: 8270D Date Collected: 06/30/2020 12:50
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:23
 Sample wt/vol: 247(mL) Date Analyzed: 07/09/2020 15:57
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 20766 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.6		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	0.15	J	0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	0.63	B	0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	61		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	92		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0465.D
 Lims ID: 410-6533-D-10-A
 Client ID: MW-14S-20200630
 Sample Type: Client
 Inject. Date: 09-Jul-2020 15:57:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-10-A
 Misc. Info.: 410-0005147-016
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 20:42:46 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: williamss

Date: 09-Jul-2020 20:38:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	175751	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.880	-0.006	87	1064041	15.3	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	99	695429	5.00	
45 Naphthalene	128	9.023	9.017	0.000	97	24548	0.1550	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.006	99	1713553	16.8	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	339992	5.00	
78 Acenaphthene	153	11.803	11.809	-0.006	96	36628	0.3835	
89 Fluorene	166	12.479	12.479	0.000	93	3673	0.0366	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	639108	5.00	
112 Phenanthrene	178	13.674	13.674	-0.006	94	2750	0.0181	
113 Anthracene	178		13.744				ND	
121 Fluoranthene	202	15.341	15.341	-0.006	90	1533	0.008989	7
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	667647	5.00	
124 Pyrene	202		15.697				ND	
\$ 125 p-Terphenyl-d14	244	15.976	15.971	-0.001	98	2533375	23.0	
132 Benzo[a]anthracene	228		17.719				ND	
134 Chrysene	228		17.783				ND	
138 Benzo[b]fluoranthene	252		19.585				ND	
140 Benzo[k]fluoranthene	252		19.631				ND	
141 Benzo[a]pyrene	252		20.109				ND	
* 142 Perylene-d12	264	20.191	20.197	-0.005	96	583679	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.823				ND	
147 Dibenzo(a,h)anthracene	278		21.863				ND	
148 Benzo[g,h,i]perylene	276		22.225				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0465.D

Injection Date: 09-Jul-2020 15:57:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-10-A

Lab Sample ID: 410-6533-10

Worklist Smp#: 16

Client ID: MW-14S-20200630

Injection Vol: 1.0 ul

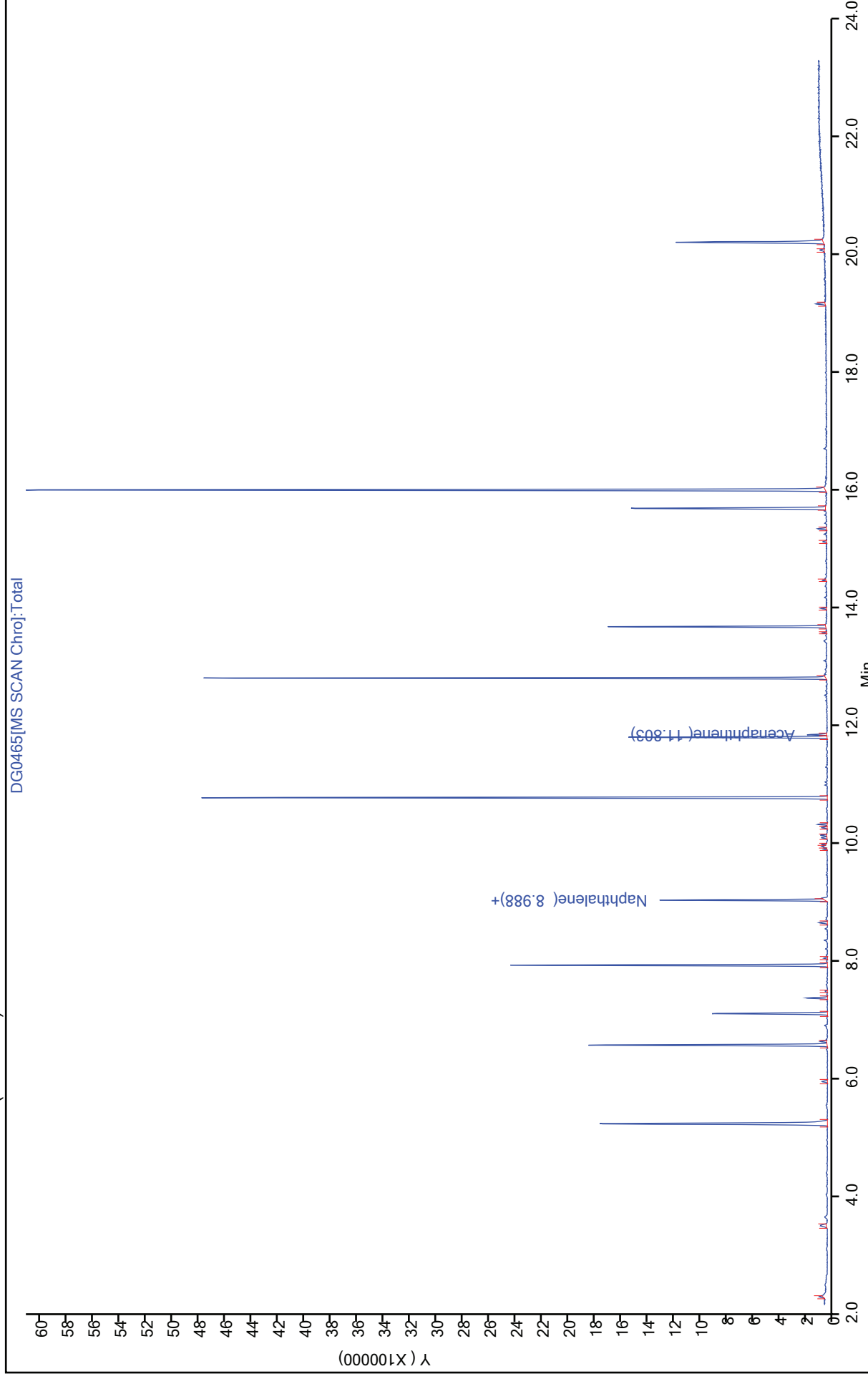
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0465.D

Injection Date: 09-Jul-2020 15:57:30

Instrument ID: HP19760

Lims ID: 410-6533-D-10-A

Lab Sample ID: 410-6533-10

Client ID: MW-14S-20200630

Operator ID: em10340

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

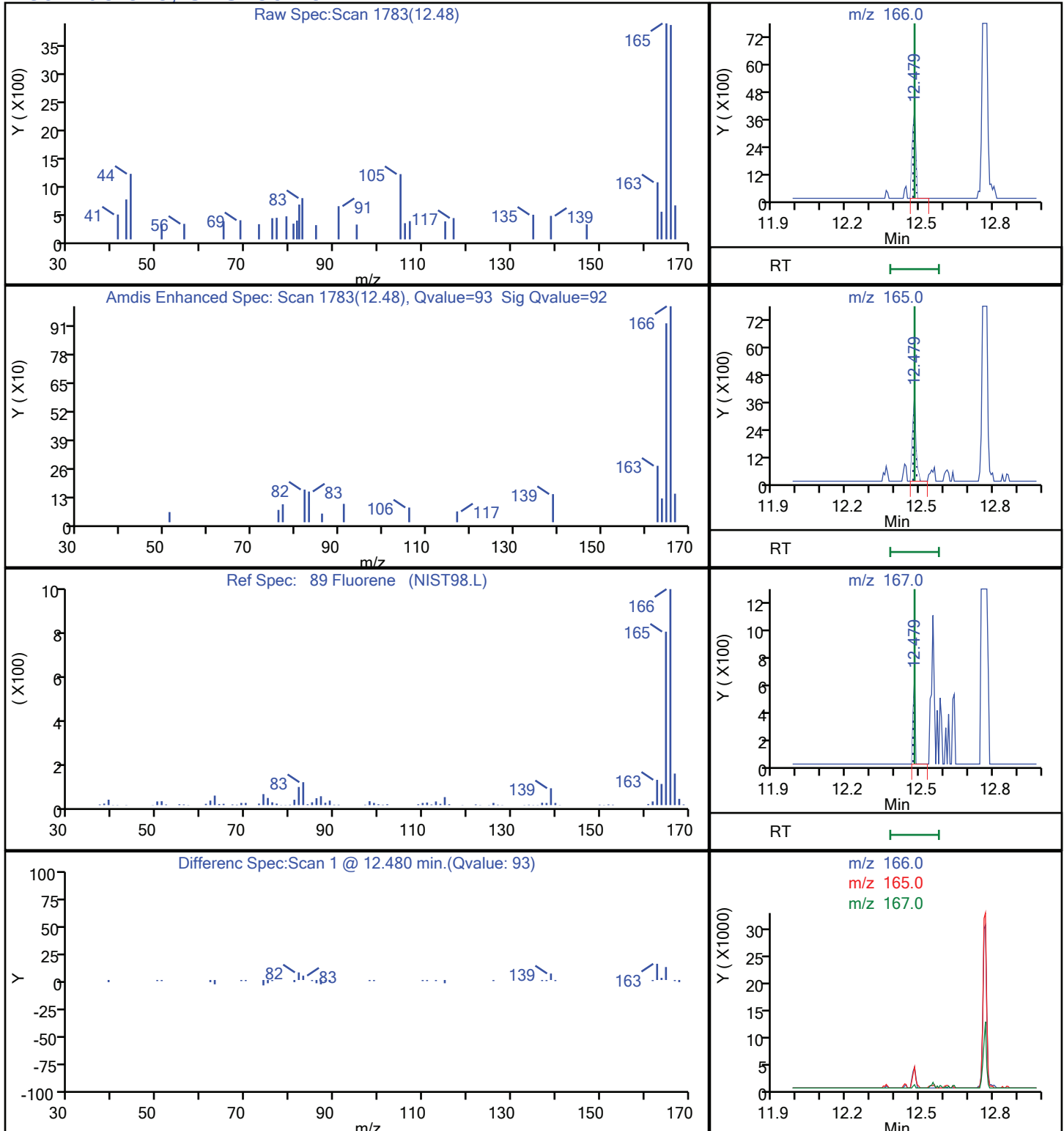
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

89 Fluorene, CAS: 86-73-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0465.D

Injection Date: 09-Jul-2020 15:57:30

Instrument ID: HP19760

Lims ID: 410-6533-D-10-A

Lab Sample ID: 410-6533-10

Client ID: MW-14S-20200630

Operator ID: em10340

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

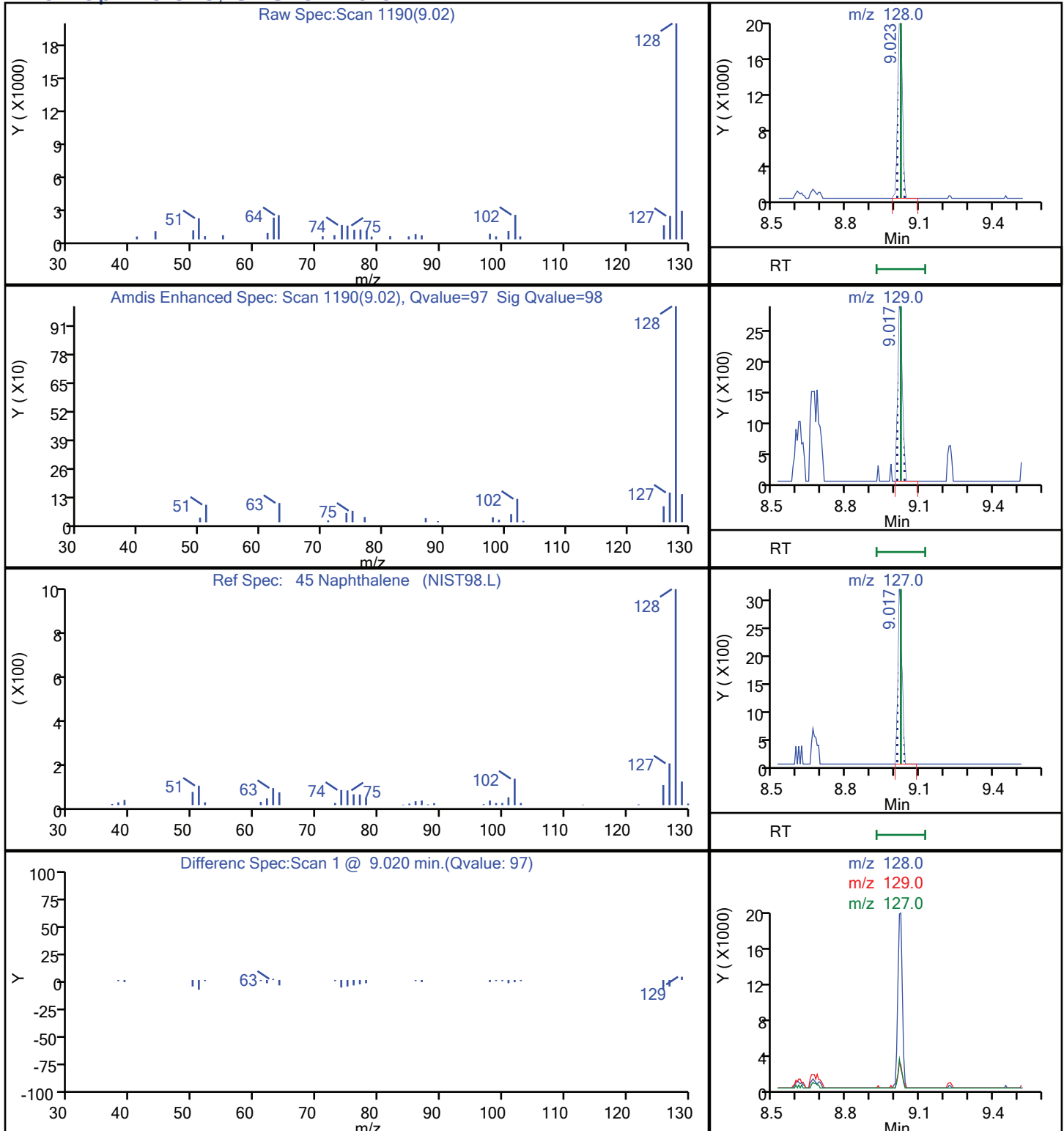
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: FB-20200630 Lab Sample ID: 410-6533-11

Matrix: Water Lab File ID: DG0535.D

Analysis Method: 8270D Date Collected: 06/30/2020 13:05

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 247(mL) Date Analyzed: 07/10/2020 17:53

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 21270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	56		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	88		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0535.D
 Lims ID: 410-6533-D-11-A
 Client ID: FB-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 17:53:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-11-A
 Misc. Info.: 410-0005260-016
 Operator ID: lmh00956 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 12-Jul-2020 09:43:26 Calib Date: 10-Jul-2020 16:56:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0533.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: monbornee

Date: 12-Jul-2020 09:36:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.053	0.000	98	163655	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.881	-0.001	88	910667	14.0	
* 44 Naphthalene-d8	136	8.988	8.988	0.000	100	649668	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.731	0.000	99	1375827	14.5	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.762	11.757	0.005	96	316853	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.645	13.645	0.000	97	588573	5.00	
112 Phenanthrene	178		13.674				ND	U
113 Anthracene	178		13.744				ND	
121 Fluoranthene	202		15.341				ND	
* 123 Pyrene-d10 (IS)	212	15.662	15.656	0.006	99	609760	5.00	
124 Pyrene	202		15.691				ND	
\$ 125 p-Terphenyl-d14	244	15.976	15.971	0.005	98	2224129	22.1	
132 Benzo[a]anthracene	228		17.713				ND	
134 Chrysene	228		17.778				ND	
138 Benzo[b]fluoranthene	252		19.573				ND	
140 Benzo[k]fluoranthene	252		19.619				ND	
141 Benzo[a]pyrene	252		20.103				ND	
* 142 Perylene-d12	264	20.191	20.191	0.000	96	435472	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.811				ND	
147 Dibenzo[a,h]anthracene	278		21.852				ND	
148 Benzo[g,h,i]perylene	276		22.213				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0535.D

Injection Date: 10-Jul-2020 17:53:30

Instrument ID: HP19760

Operator ID: Imh00956

Lims ID: 410-6533-D-11-A

Lab Sample ID: 410-6533-11

Worklist Smp#: 16

Client ID: FB-20200630

Injection Vol: 1.0 ul

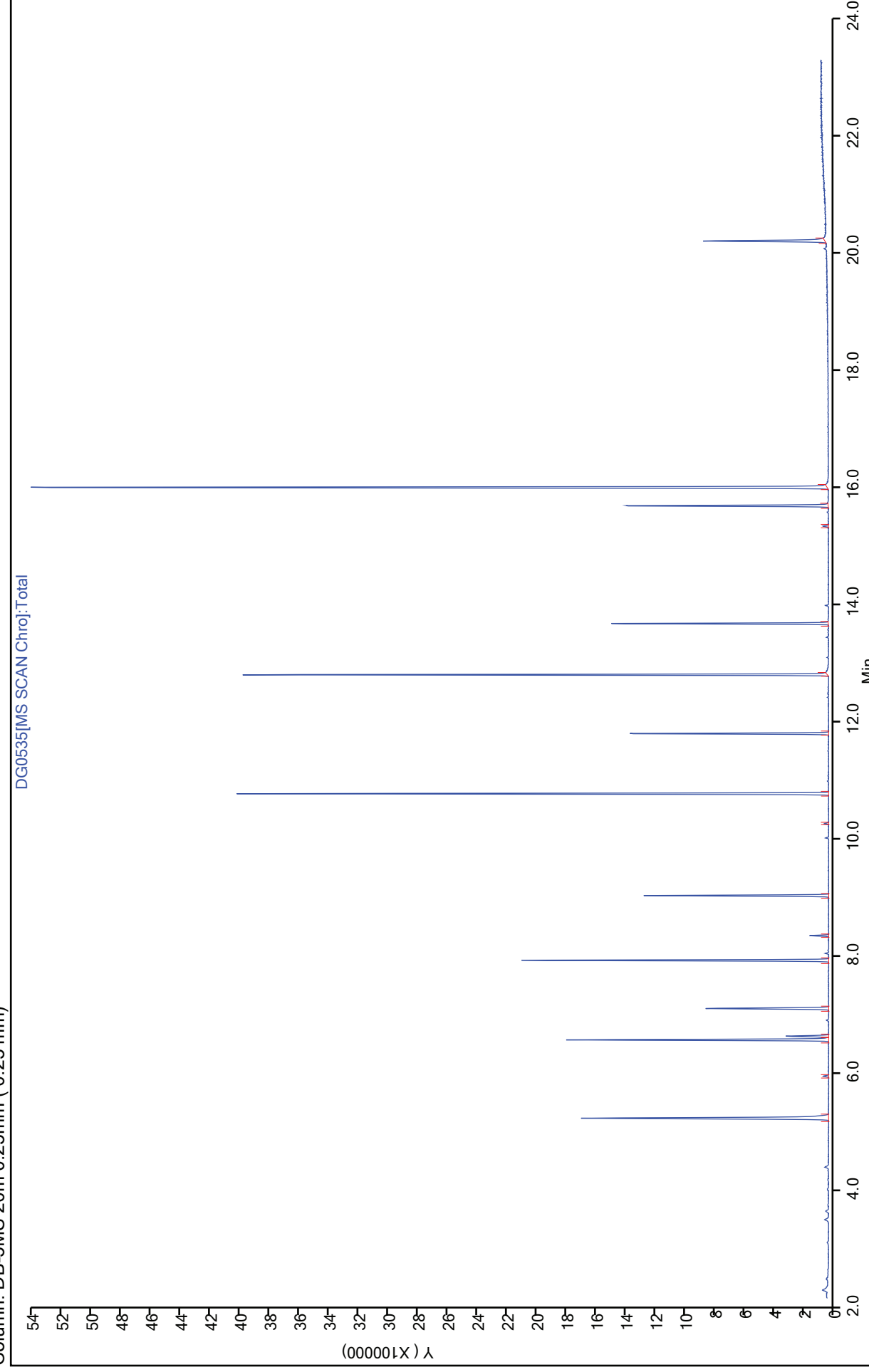
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0535.D

Injection Date: 10-Jul-2020 17:53:30

Instrument ID: HP19760

Lims ID: 410-6533-D-11-A

Lab Sample ID: 410-6533-11

Client ID: FB-20200630

Operator ID: lmh00956

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

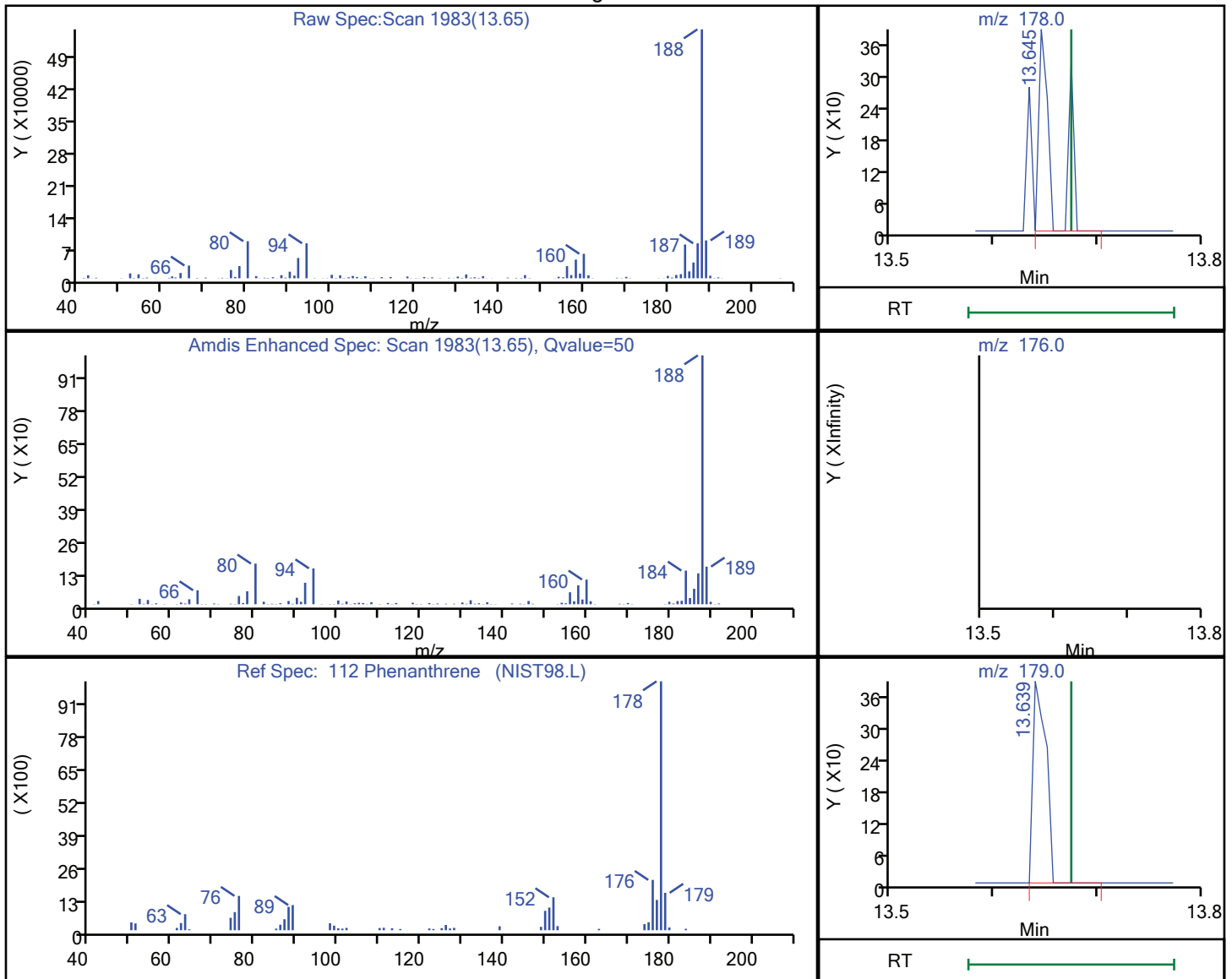
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.65	178.00	336	0.002406
13.67	176.00	0	
13.64	179.00	336	

Reviewer: monbornee, 12-Jul-2020 09:36:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: E5uorinf Lansafteu Labouatouief E Job No.: 286-3144-8
 SDG No.: _____
 Client Sample ID: MW-82D-06066346 Lab Sample ID: 286-3144-80
 Matuiv: Guo5nx Wateu Lab File ID: DG6143.D
 Analyfif Methox: d076D Date Collestex: 63/46/0606 84:12
 Evtuast. Methox: 4186C Date Evtuastex: 67/62/0606 67:04
 Sample wt/col: 021(mL) Date Analyzex: 67/86/0606 8d:08
 Con. Evtuast Vol.: 8(mL) Dil5tion Fastou: 8
 Injection Vol5me: 8(5L) Lecel: (low/mex) Low
 9 Moift5ue: _____ GPC Clean5p: (Y/N) N
 Analyfif %atsh No.: 08076 gnitf: 5B/L

CAS NO.	COMPOgND NAME	RESgLT	U	RL	MDL
d4-40-Q	Asenaphthene	ND		6.18	6.86
06d-Q3-d	Asenaphthylene	ND		6.18	6.86
806-80-7	Anthuasene	ND		6.18	6.86
13-11-4	%enzo[a]anthuasene	ND		6.18	6.86
16-40-d	%enzo[a]pyuene	ND		6.18	6.86
061-QQ-0	%enzo[b]rl5ouanthene	ND		6.18	6.86
8Q8-02-0	%enzo[B,h,i]peuylene	ND		6.18	6.86
067-6d-Q	%enzo[k]rl5ouanthene	ND		6.18	6.86
08d-68-Q	Chuyfene	ND		6.18	6.86
14-76-4	Dibenz(a,h)anthuasene	ND		6.18	6.86
063-22-6	Fl5ouanthene	ND		6.18	6.86
d3-74-7	Fl5ouene	ND		6.18	6.86
8Q4-4Q-1	Inxeno[8,0,4-sx]pyuene	ND		6.18	6.86
Q8-06-4	Naphthalene	ND		6.18	6.86
d1-68-d	Phenanthuene	ND		6.18	6.86
80Q-66-6	Pyuene	ND		6.18	6.86

CAS NO.	SgRROGATE	9REC	U	LIMITS
408-36-d	0-Fl5ouobiphenyl (S5uu)	30		22-860
2831-36-6	Nituobenzene-x1 (S5uu)	17		4d-884
878d-18-6	p-Teuphenyl-x82 (S5uu)	dQ		42-80d

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0536.D
 Lims ID: 410-6533-D-12-A
 Client ID: MW-14D-20200630
 Sample Type: Client
 Inject. Date: 10-Jul-2020 18:21:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-12-A
 Misc. Info.: 410-0005260-017
 Operator ID: lmh00956 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 12-Jul-2020 09:43:26 Calib Date: 10-Jul-2020 16:56:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0533.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: monbornee

Date: 12-Jul-2020 09:36:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.053	0.000	98	157558	5.00	
\$ 33 Nitrobenzene-d5	82	7.880	7.881	-0.001	89	894613	14.4	
* 44 Naphthalene-d8	136	8.988	8.988	0.000	99	619963	5.00	
45 Naphthalene	128		9.023				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.731	0.000	99	1399866	15.5	
75 Acenaphthylene	152		11.553				ND	
* 77 Acenaphthene-d10	164	11.756	11.757	-0.001	96	300702	5.00	
78 Acenaphthene	153		11.809				ND	
89 Fluorene	166		12.479				ND	
* 110 Phenanthrene-d10	188	13.639	13.645	-0.006	97	554875	5.00	
112 Phenanthrene	178		13.674				ND	U
113 Anthracene	178		13.744				ND	
121 Fluoranthene	202		15.341				ND	
* 123 Pyrene-d10 (IS)	212	15.656	15.656	0.000	99	584671	5.00	
124 Pyrene	202		15.691				ND	
\$ 125 p-Terphenyl-d14	244	15.976	15.971	0.005	98	2149900	22.3	
132 Benzo[a]anthracene	228		17.713				ND	
134 Chrysene	228		17.778				ND	
138 Benzo[b]fluoranthene	252		19.573				ND	
140 Benzo[k]fluoranthene	252		19.619				ND	
141 Benzo[a]pyrene	252		20.103				ND	
* 142 Perylene-d12	264	20.190	20.191	-0.001	96	429581	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.811				ND	
147 Dibenzo(a,h)anthracene	278		21.852				ND	
148 Benzo[g,h,i]perylene	276		22.213				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0536.D

Injection Date: 10-Jul-2020 18:21:30

Instrument ID: HP19760

Operator ID: Imh00956

Lims ID: 410-6533-D-12-A

Lab Sample ID: 410-6533-12

Worklist Smp#: 17

Client ID: MW-14D-20200630

Injection Vol: 1.0 ul

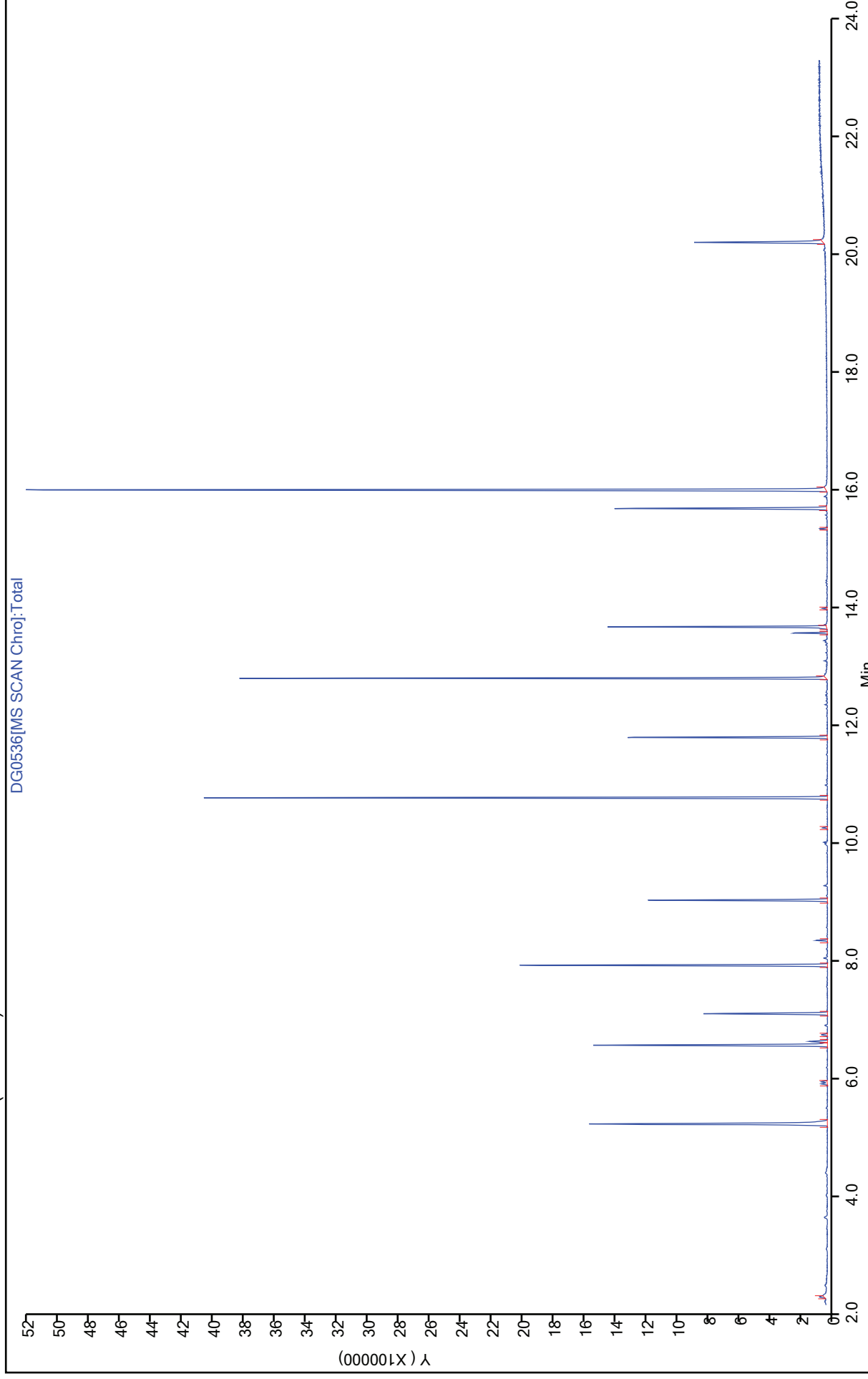
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0536.D

Injection Date: 10-Jul-2020 18:21:30

Instrument ID: HP19760

Lims ID: 410-6533-D-12-A

Lab Sample ID: 410-6533-12

Client ID: MW-14D-20200630

Operator ID: lmh00956

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

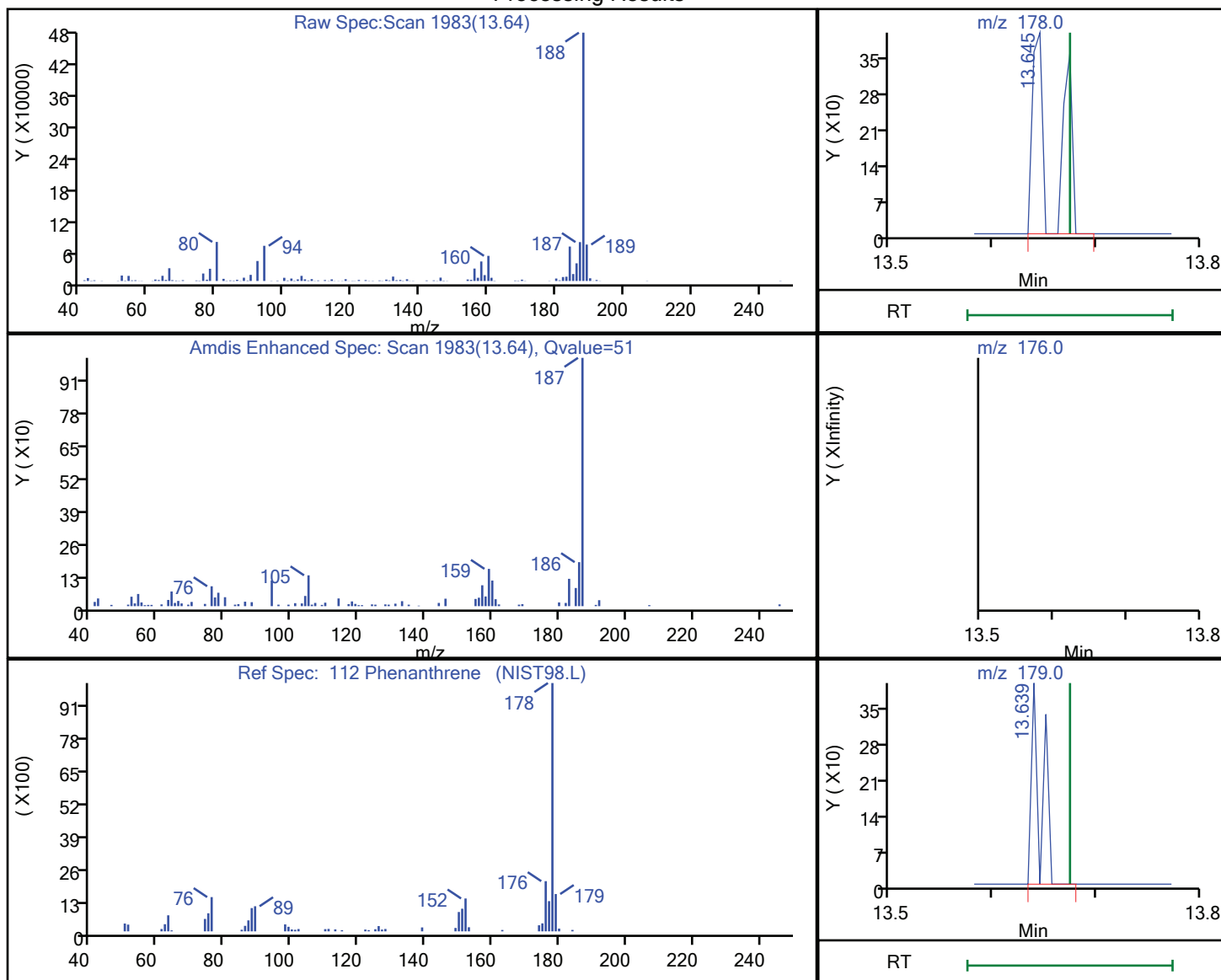
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.64	178.00	479	0.003639
13.67	176.00	0	
13.64	179.00	257	

Reviewer: monbornee, 12-Jul-2020 09:36:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-4S-20200701 Lab Sample ID: 410-6533-13
 Matrix: Ground Water Lab File ID: DG0159.D
 Analysis Method: 8270D Date Collected: 07/01/2020 07:59
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:28
 Sample wt/vol: 246(mL) Date Analyzed: 07/06/2020 15:19
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	22		0.51	0.10
208-96-8	Acenaphthylene	0.12	J	0.51	0.10
120-12-7	Anthracene	0.33	J	0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	1.7		0.51	0.10
86-73-7	Fluorene	6.1		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	1.6		0.51	0.10
85-01-8	Phenanthrene	1.5		0.51	0.10
129-00-0	Pyrene	3.4		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	69		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	67		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	79		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D
 Lims ID: 410-6533-D-13-A
 Client ID: MW-4S-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 15:19:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-13-A
 Misc. Info.: 410-0004873-010
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:26:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	98	223497	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.846	-0.011	90	1302536	16.8	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	100	848914	5.00	
45 Naphthalene	128	7.971	7.965	0.000	98	73685	0.3903	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.696	9.696	-0.006	99	2046614	17.2	
75 Acenaphthylene	152	10.483	10.483	-0.006	92	4761	0.0306	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	97	382684	5.00	
78 Acenaphthene	153	10.768	10.768	-0.006	96	577933	5.39	
89 Fluorene	166	11.584	11.584	-0.006	96	169179	1.49	
* 110 Phenanthrene-d10	188	12.721	12.727	-0.006	97	685401	5.00	
112 Phenanthrene	178	12.750	12.750	-0.006	98	58583	0.3761	
113 Anthracene	178	12.808	12.814	-0.012	96	12626	0.0809	
121 Fluoranthene	202	14.254	14.253	-0.006	98	75255	0.4258	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	654512	5.00	
124 Pyrene	202	14.563	14.563	-0.006	96	152072	0.8432	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	1962385	19.8	
132 Benzo[a]anthracene	228		16.475				ND	
134 Chrysene	228		16.533				ND	
138 Benzo[b]fluoranthene	252		18.270				ND	
140 Benzo[k]fluoranthene	252		18.322				ND	
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.858	18.864	-0.006	96	563561	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Worklist Smp#: 10

Client ID: MW-4S-20200701

Injection Vol: 1.0 ul

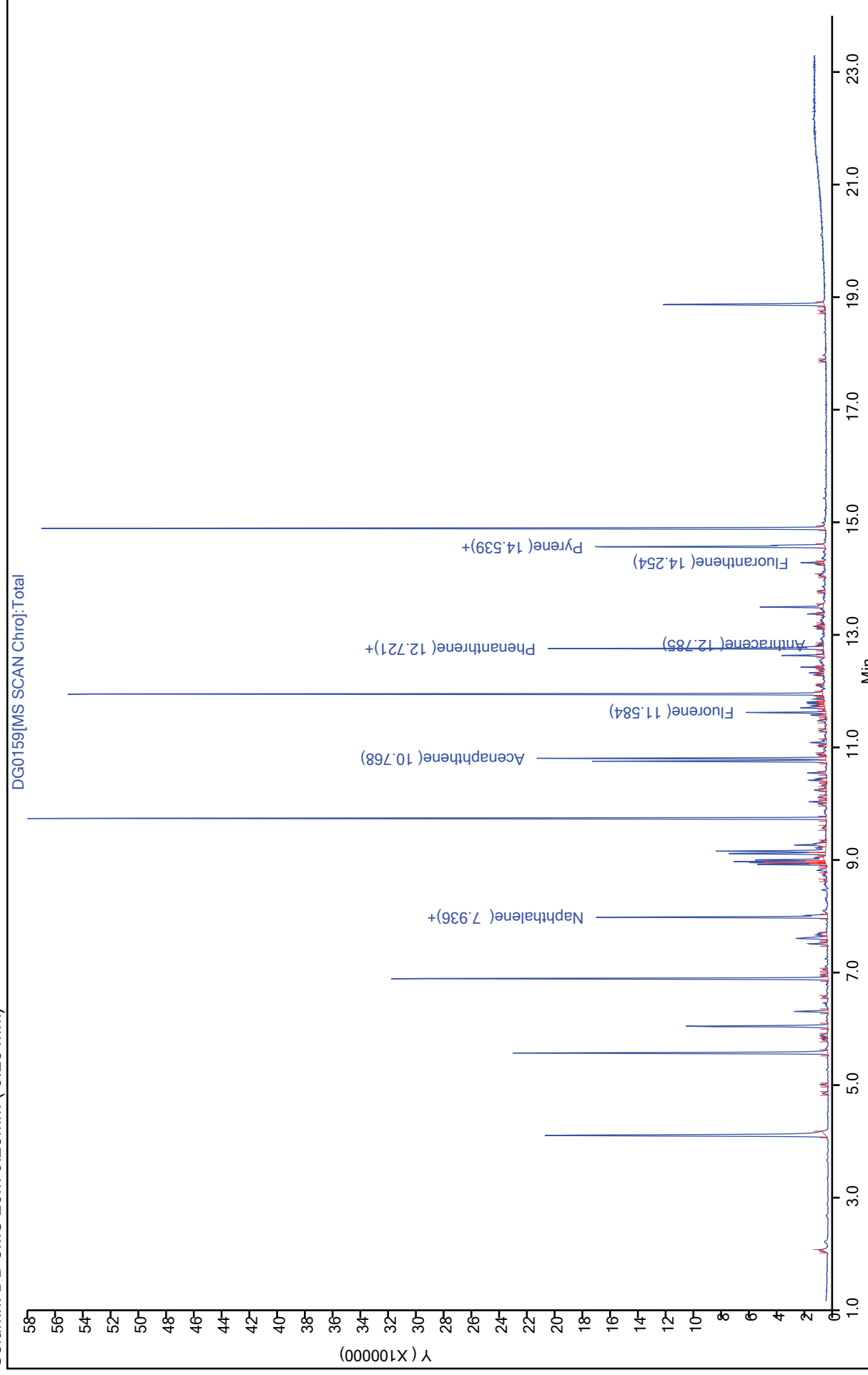
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

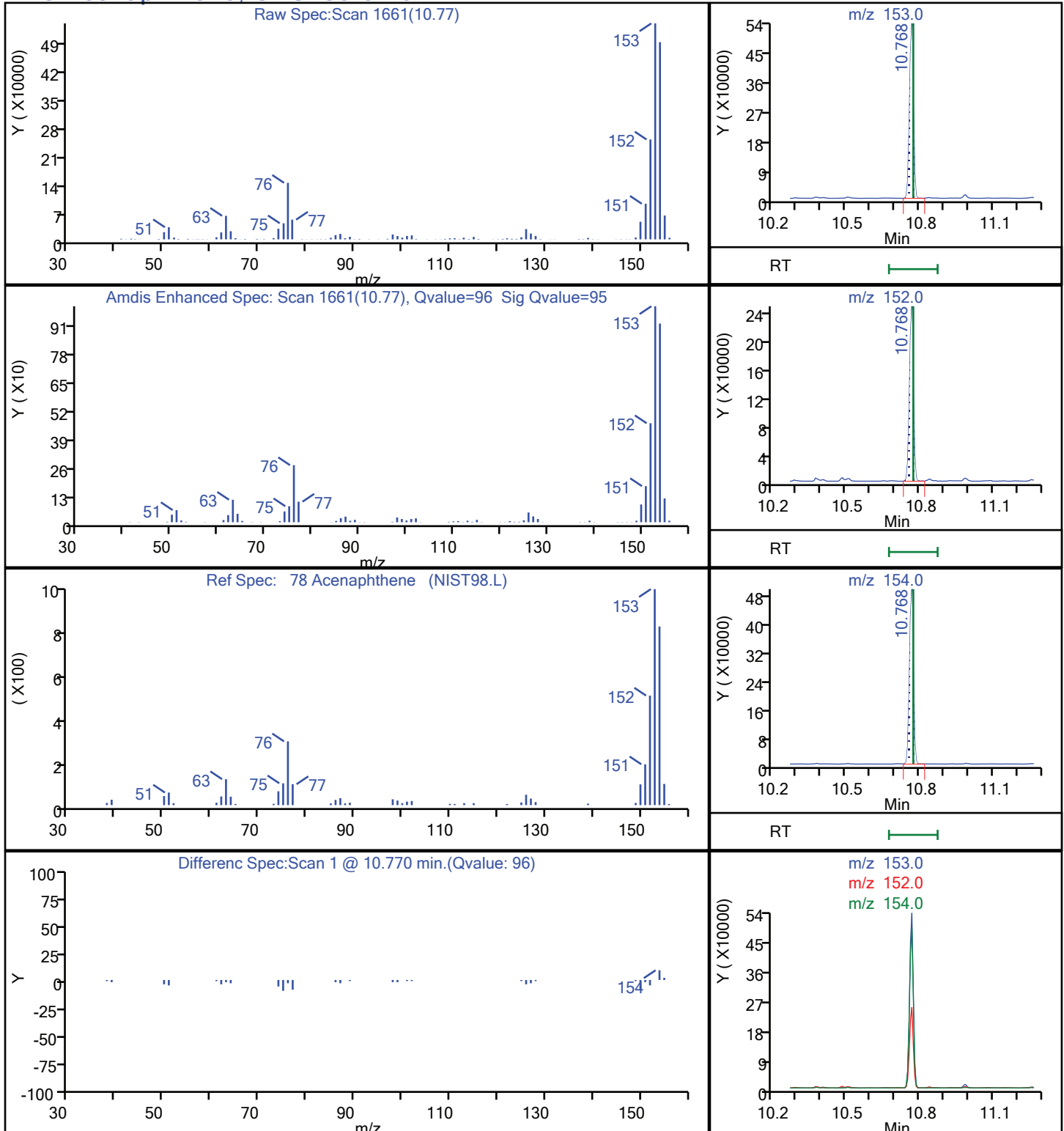
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

78 Acenaphthene, CAS: 83-32-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

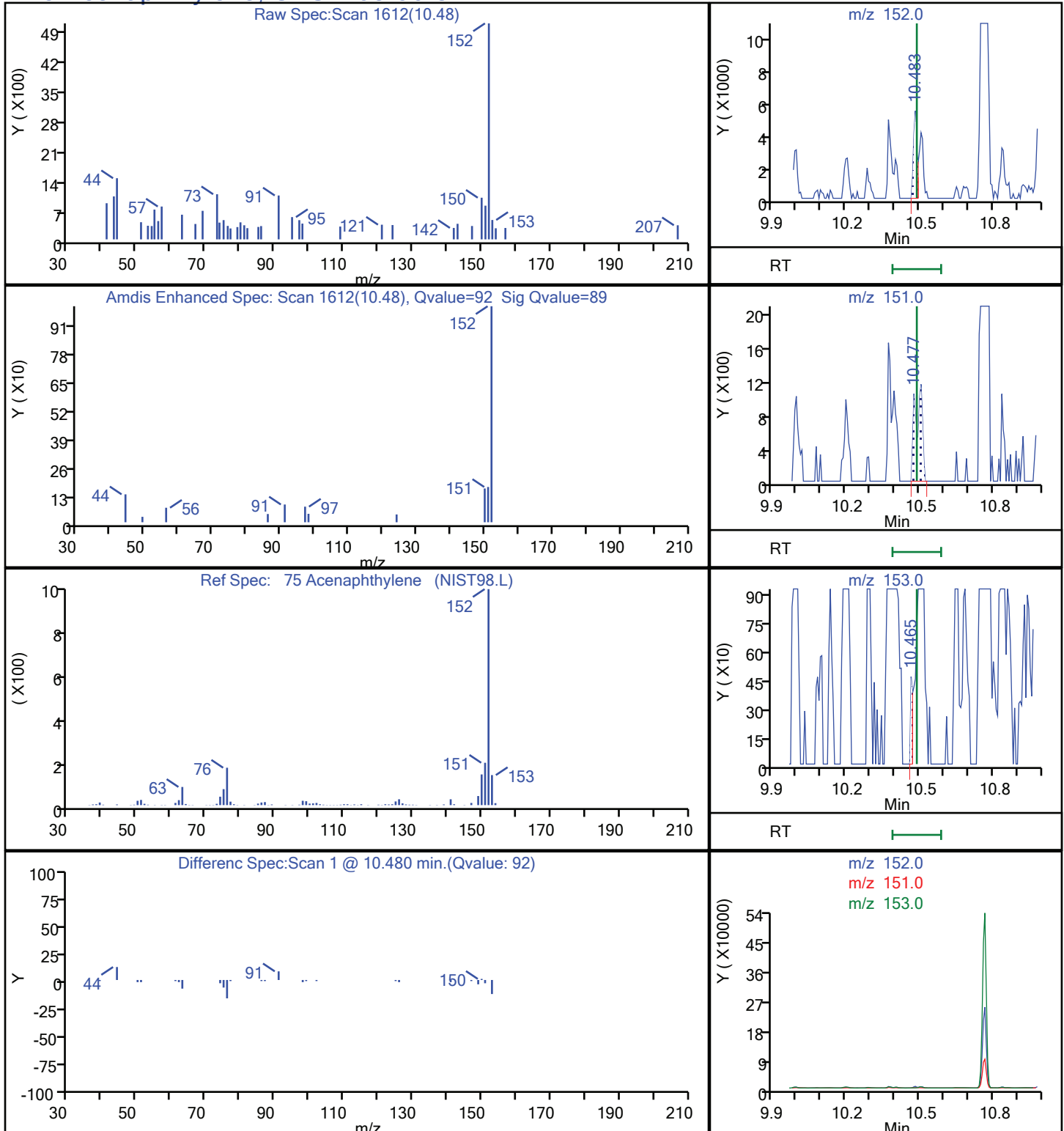
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

75 Acenaphthylene, CAS: 208-96-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

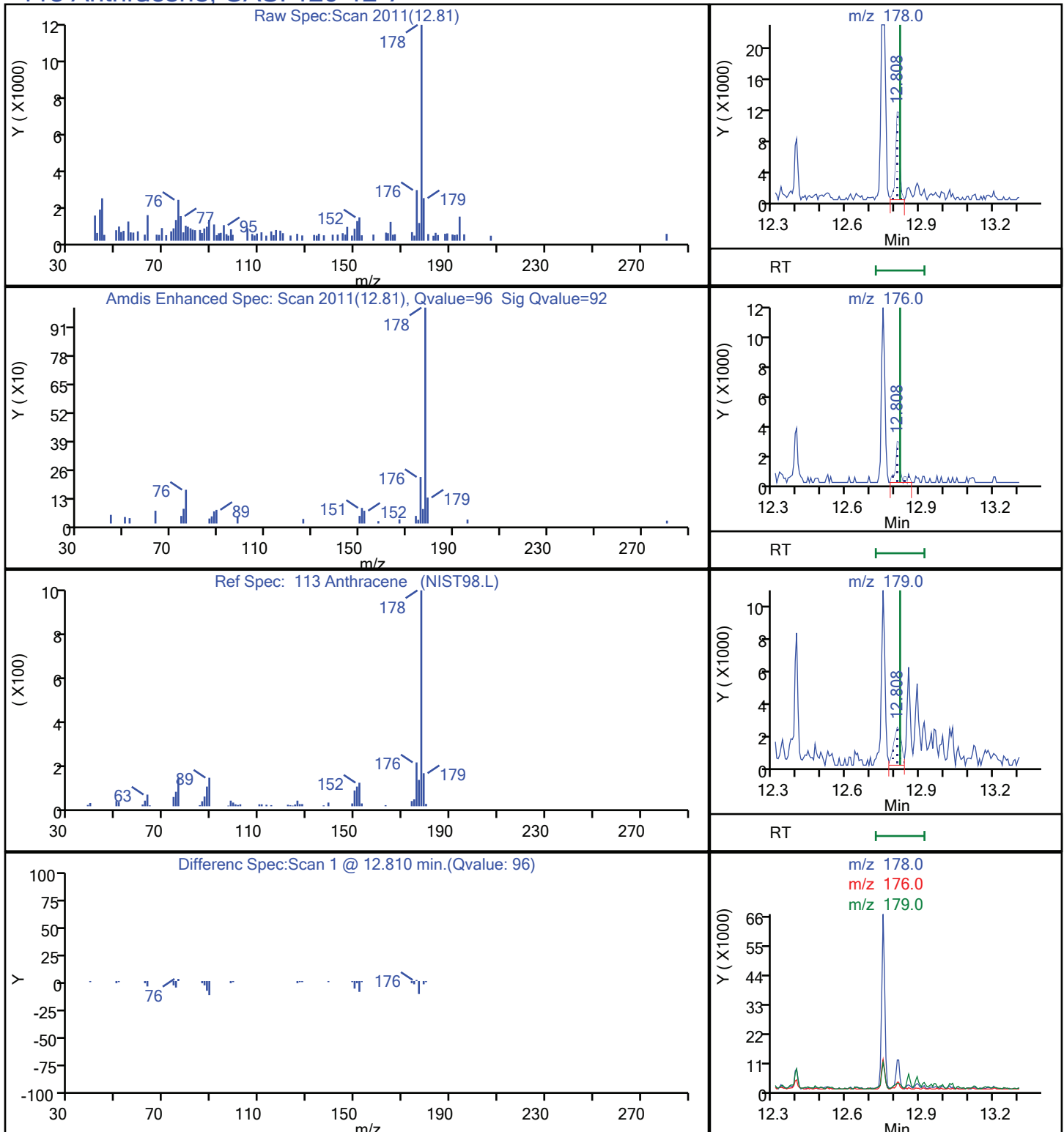
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

113 Anthracene, CAS: 120-12-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

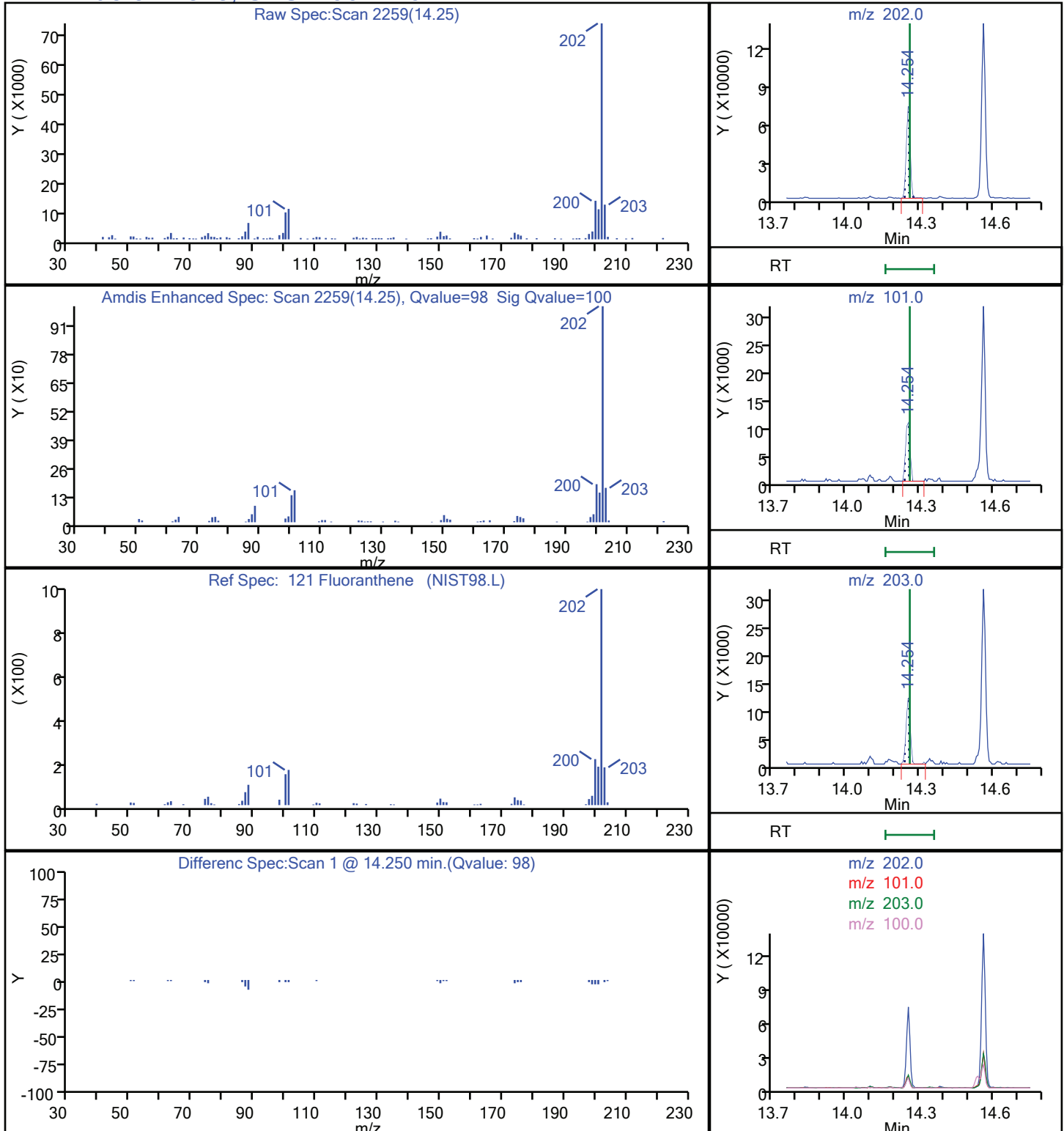
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

121 Fluoranthene, CAS: 206-44-0

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

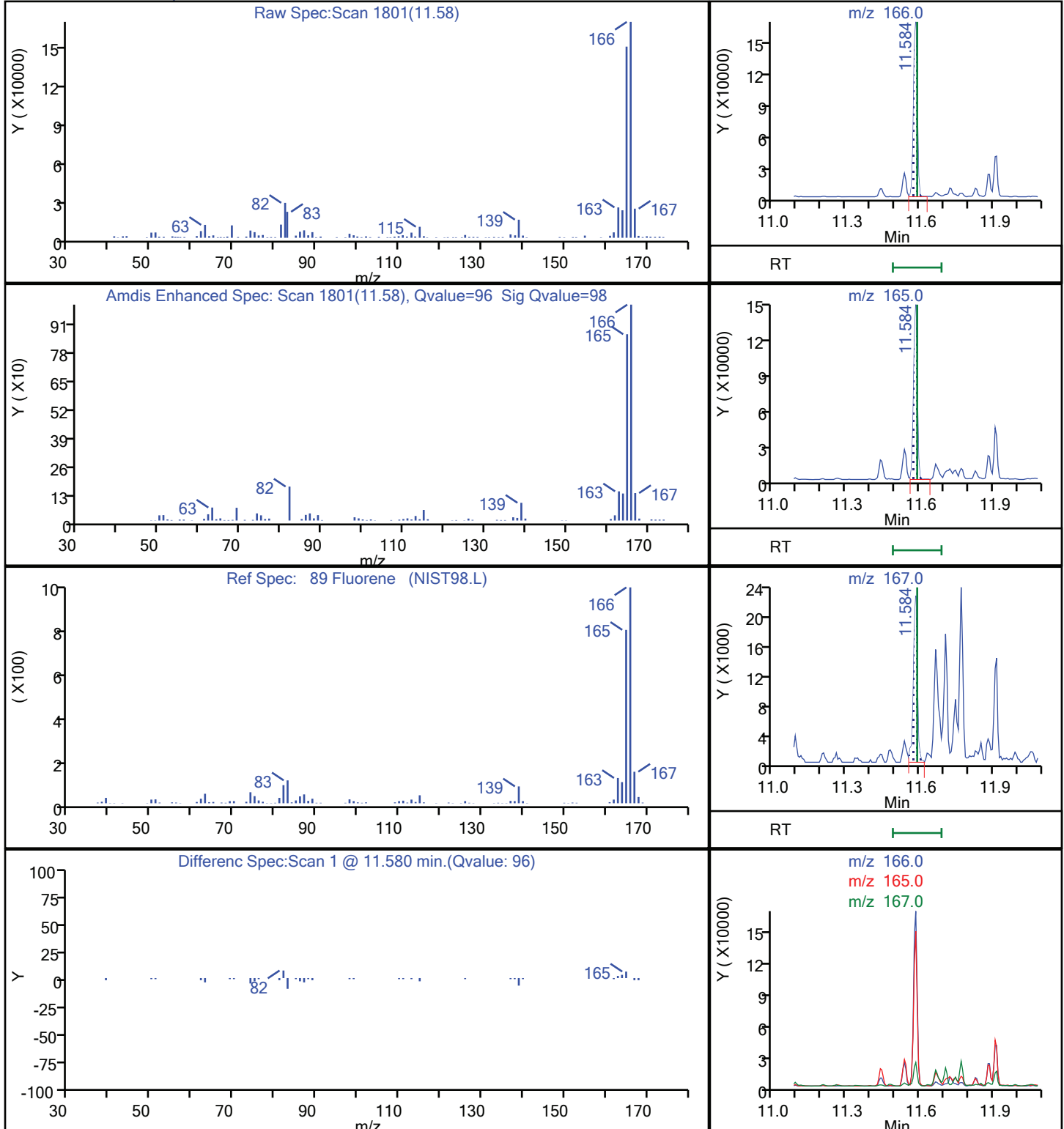
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

89 Fluorene, CAS: 86-73-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

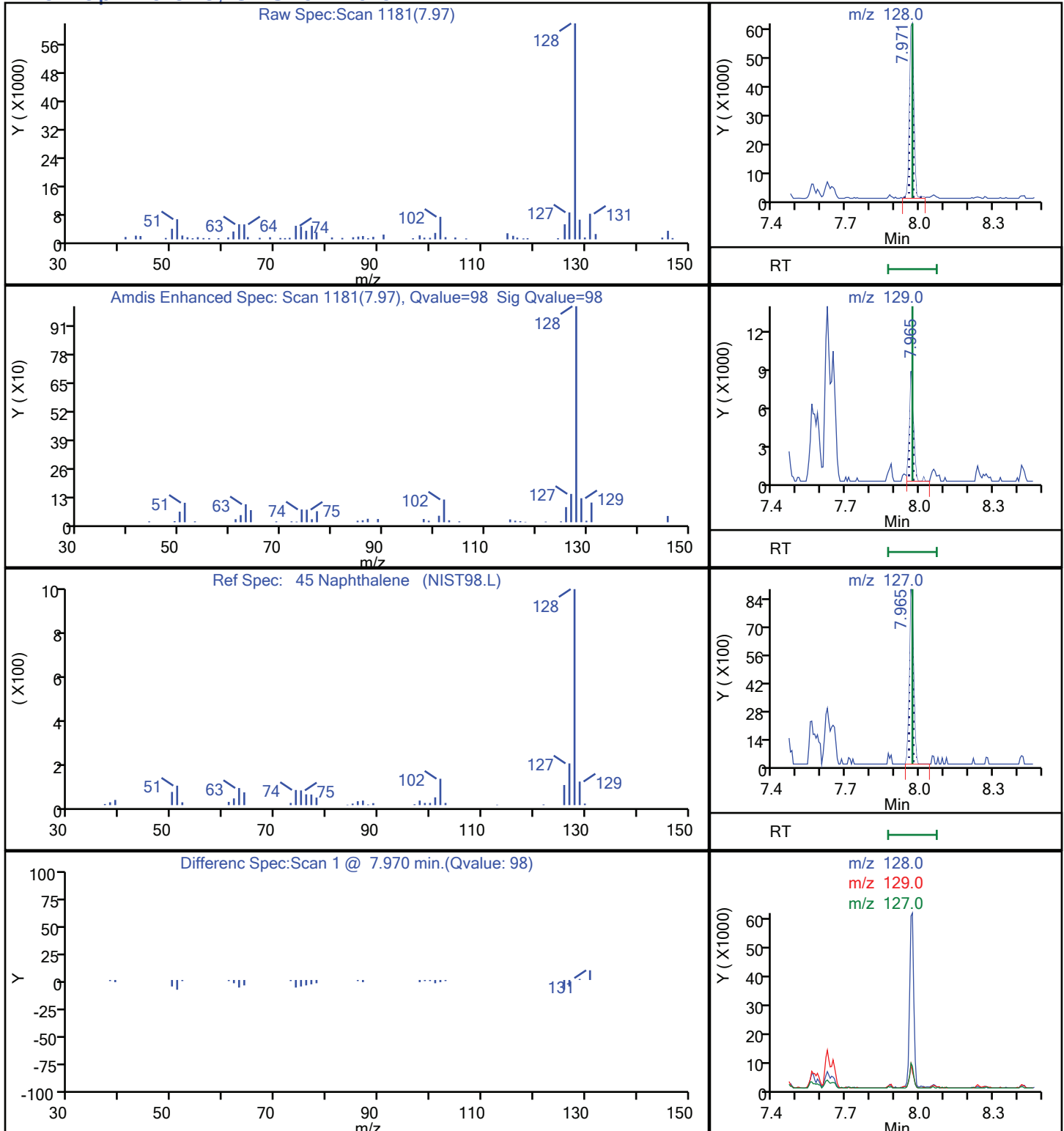
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

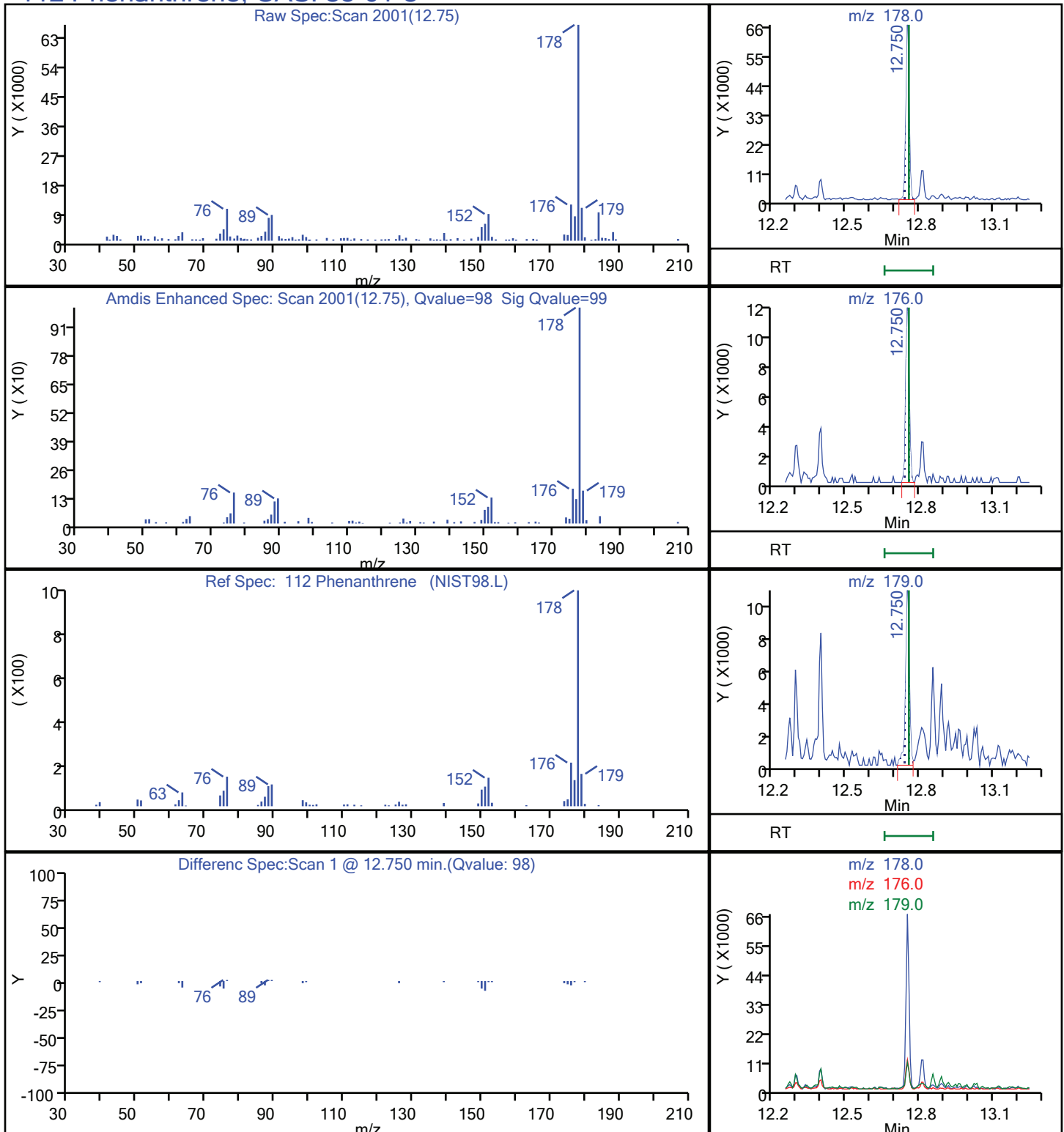
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0159.D

Injection Date: 06-Jul-2020 15:19:30

Instrument ID: HP19760

Lims ID: 410-6533-D-13-A

Lab Sample ID: 410-6533-13

Client ID: MW-4S-20200701

Operator ID: em10340

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

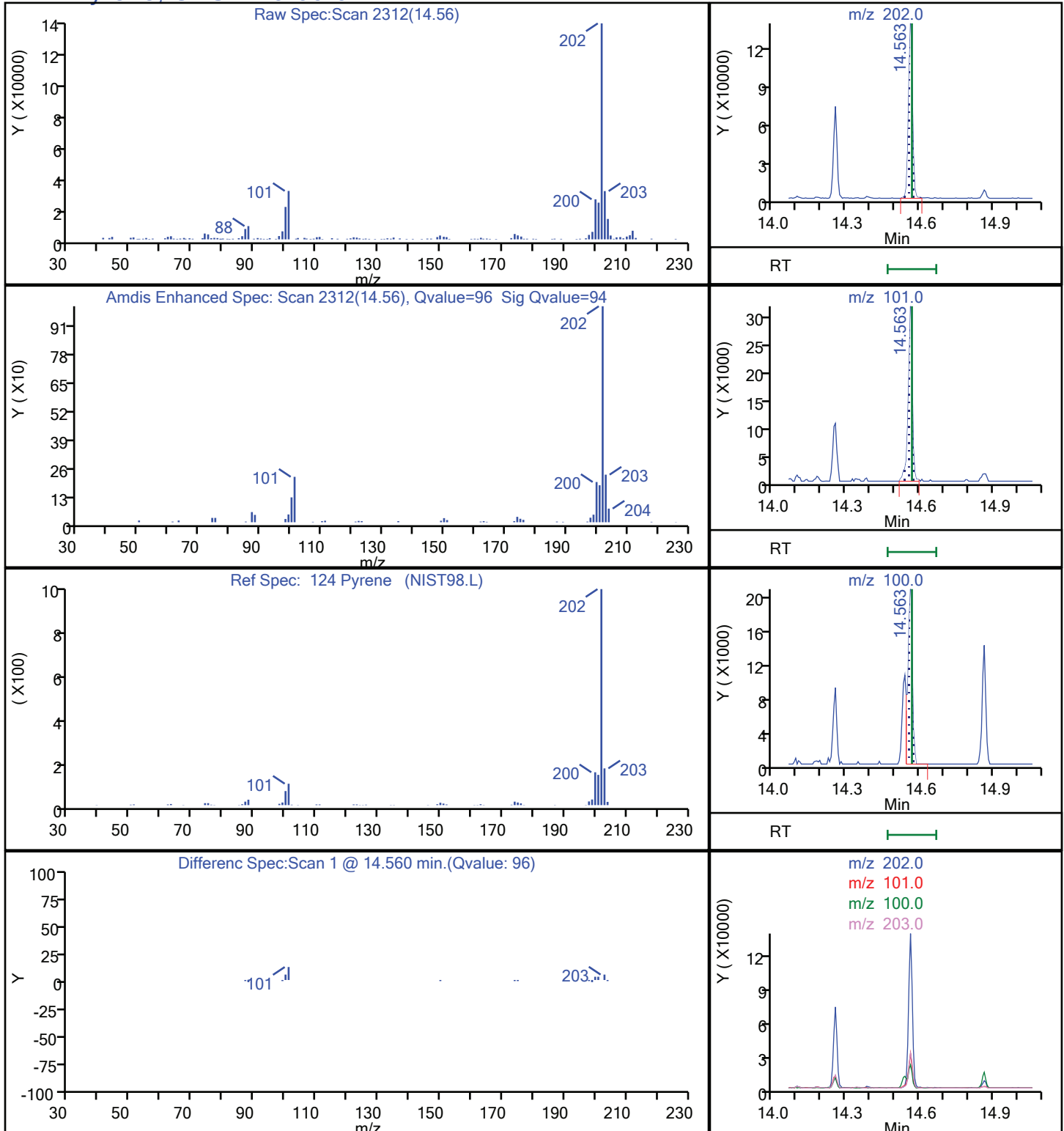
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

124 Pyrene, CAS: 129-00-0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-4D-20200701 Lab Sample ID: 410-6533-14
 Matrix: Ground Water Lab File ID: DG0160.D
 Analysis Method: 8270D Date Collected: 07/01/2020 08:36
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:28
 Sample wt/vol: 244(mL) Date Analyzed: 07/06/2020 15:49
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	88		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0160.D
 Lims ID: 410-6533-D-14-A
 Client ID: MW-4D-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 15:49:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-14-A
 Misc. Info.: 410-0004873-011
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:27:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	98	230183	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.846	-0.011	90	1295806	16.2	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	100	876655	5.00	
45 Naphthalene	128		7.971				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.696	9.696	-0.006	100	1995517	16.7	
75 Acenaphthylene	152		10.489				ND	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	98	386264	5.00	
78 Acenaphthene	153		10.774				ND	
89 Fluorene	166		11.590				ND	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	97	714067	5.00	
112 Phenanthrene	178		12.756				ND	
113 Anthracene	178		12.820				ND	
121 Fluoranthene	202		14.260				ND	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	653689	5.00	
124 Pyrene	202		14.569				ND	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	2195846	22.1	
132 Benzo[a]anthracene	228		16.475				ND	
134 Chrysene	228		16.533				ND	
138 Benzo[b]fluoranthene	252		18.270				ND	
140 Benzo[k]fluoranthene	252		18.322				ND	
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.858	18.864	-0.006	96	572476	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0160.D

Injection Date: 06-Jul-2020 15:49:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-14-A

Lab Sample ID: 410-6533-14

Worklist Smp#: 11

Client ID: MW-4D-20200701

Injection Vol: 1.0 ul

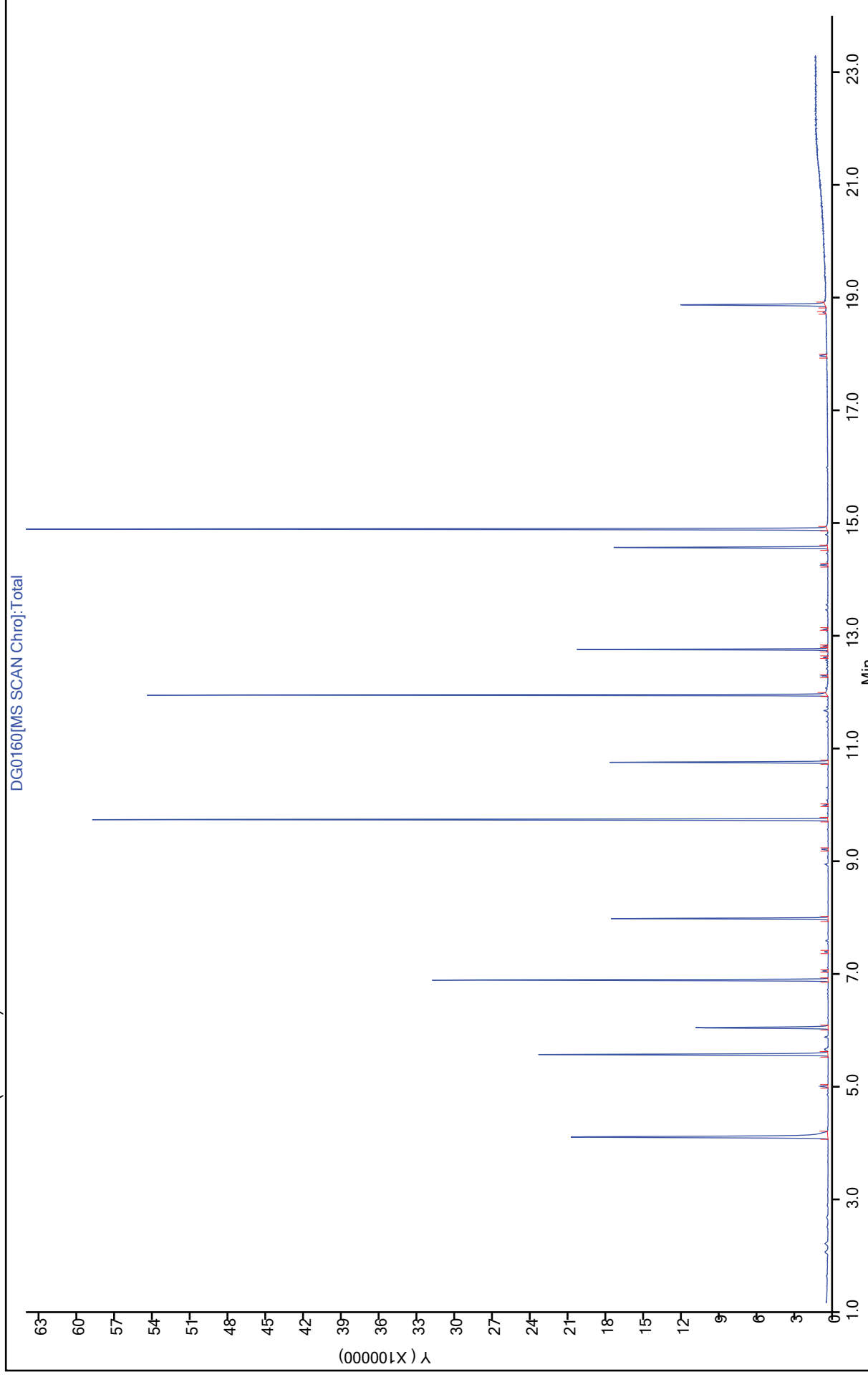
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-3-20200701 Lab Sample ID: 410-6533-15
 Matrix: Ground Water Lab File ID: DG0161.D
 Analysis Method: 8270D Date Collected: 07/01/2020 09:18
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:28
 Sample wt/vol: 246(mL) Date Analyzed: 07/06/2020 16:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	28		0.51	0.10
208-96-8	Acenaphthylene	2.7		0.51	0.10
120-12-7	Anthracene	0.69		0.51	0.10
56-55-3	Benzo[a]anthracene	2.2		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	1.5		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	11		0.51	0.10
86-73-7	Fluorene	5.0		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	110		0.51	0.10
85-01-8	Phenanthrene	0.85		0.51	0.10
129-00-0	Pyrene	17		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	54		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	76		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D
 Lims ID: 410-6533-D-15-A
 Client ID: MW-3-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 16:18:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-15-A
 Misc. Info.: 410-0004873-012
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:29:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	234794	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.846	-0.011	90	1094007	13.4	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	99	889850	5.00	
45 Naphthalene	128	7.971	7.965	0.000	98	5443071	27.5	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.696	9.696	-0.006	100	1761206	14.2	
75 Acenaphthylene	152	10.483	10.483	-0.006	98	105856	0.6527	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	98	399217	5.00	
78 Acenaphthene	153	10.768	10.768	-0.006	96	775706	6.93	
89 Fluorene	166	11.584	11.584	-0.006	95	145194	1.23	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	98	719569	5.00	
112 Phenanthrene	178	12.750	12.750	-0.006	98	34208	0.2092	
113 Anthracene	178	12.808	12.814	-0.012	97	27947	0.1706	
121 Fluoranthene	202	14.254	14.253	-0.006	98	504026	2.72	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	677670	5.00	
124 Pyrene	202	14.563	14.563	-0.006	96	761058	4.08	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	1960815	19.1	
132 Benzo[a]anthracene	228	16.463	16.468	-0.012	99	78376	0.5373	
134 Chrysene	228	16.521	16.526	-0.012	97	58223	0.3799	
138 Benzo[b]fluoranthene	252		18.270				ND	
140 Benzo[k]fluoranthene	252		18.322				ND	
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.859	18.864	-0.006	95	620959	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Worklist Smp#: 12

Client ID: MW-3-20200701

Injection Vol: 1.0 ul

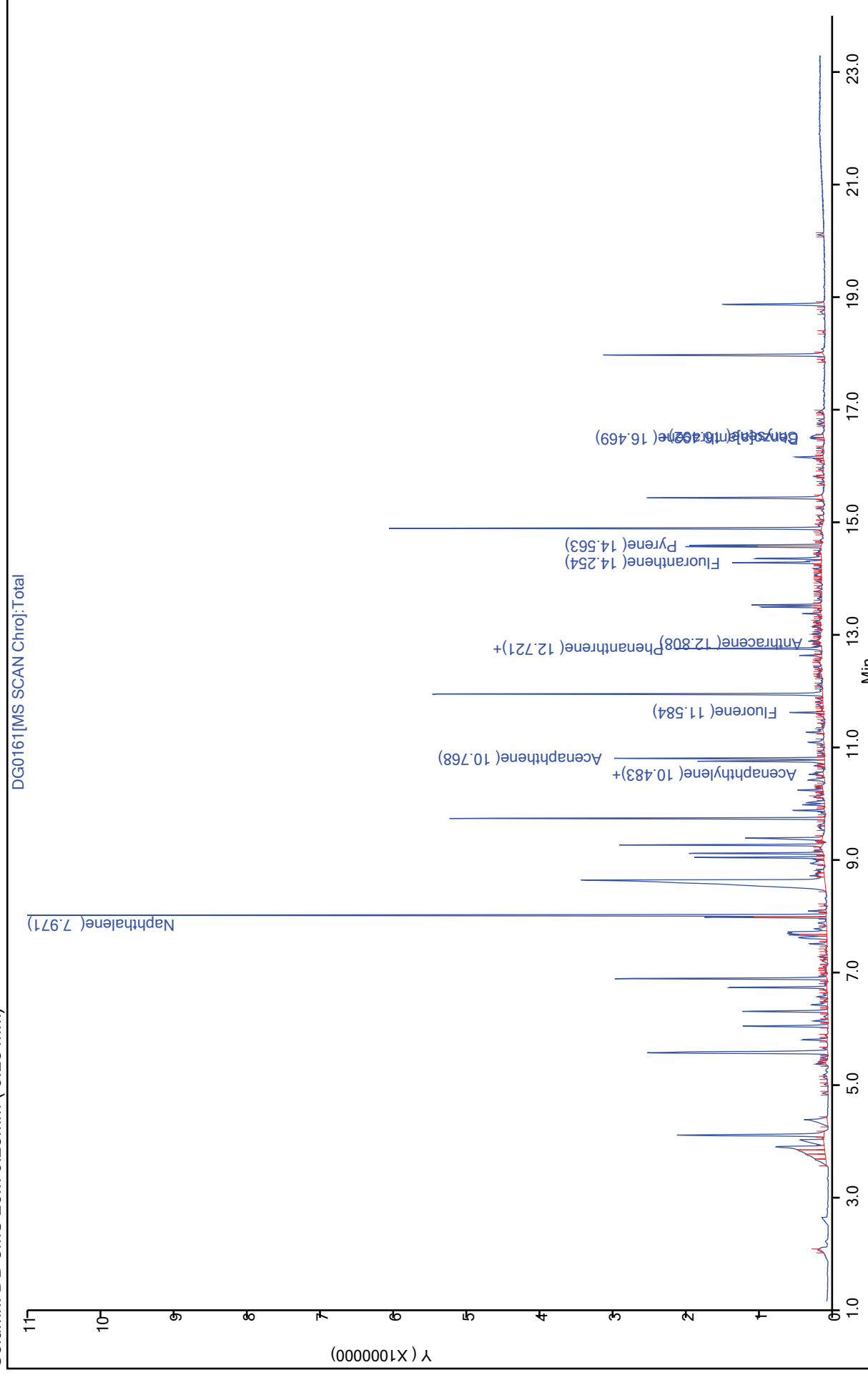
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

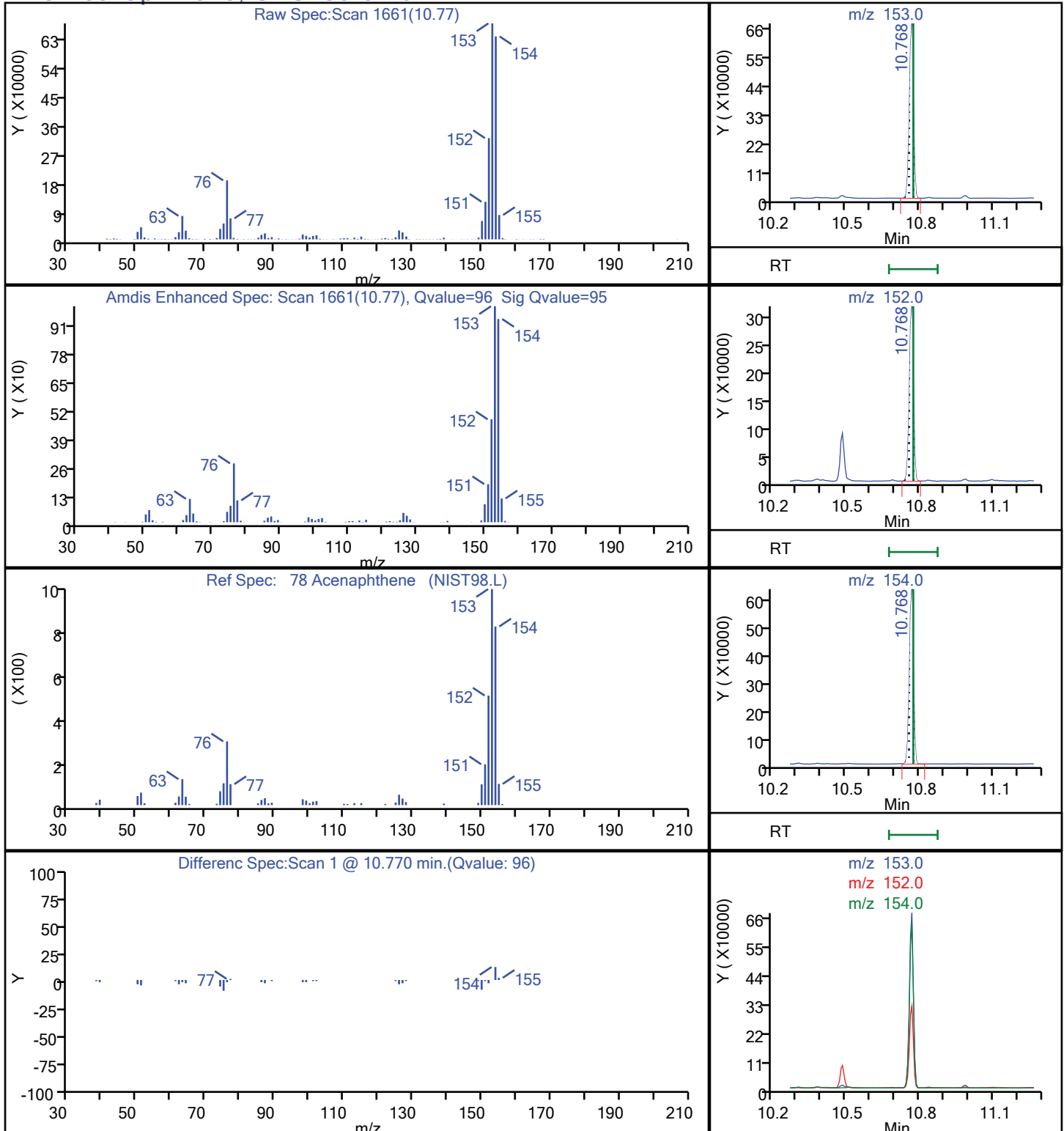
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

78 Acenaphthene, CAS: 83-32-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

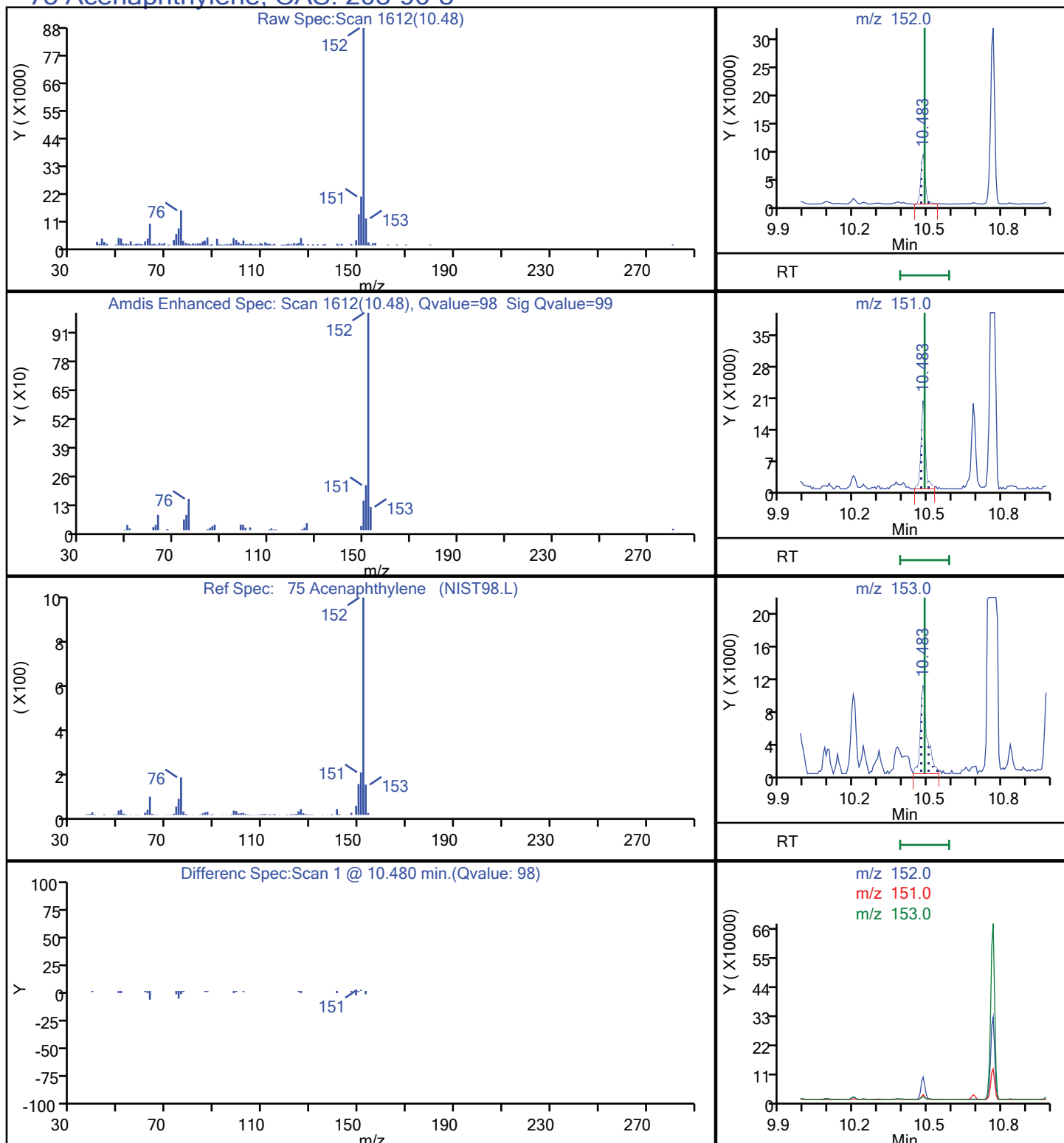
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

75 Acenaphthylene, CAS: 208-96-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

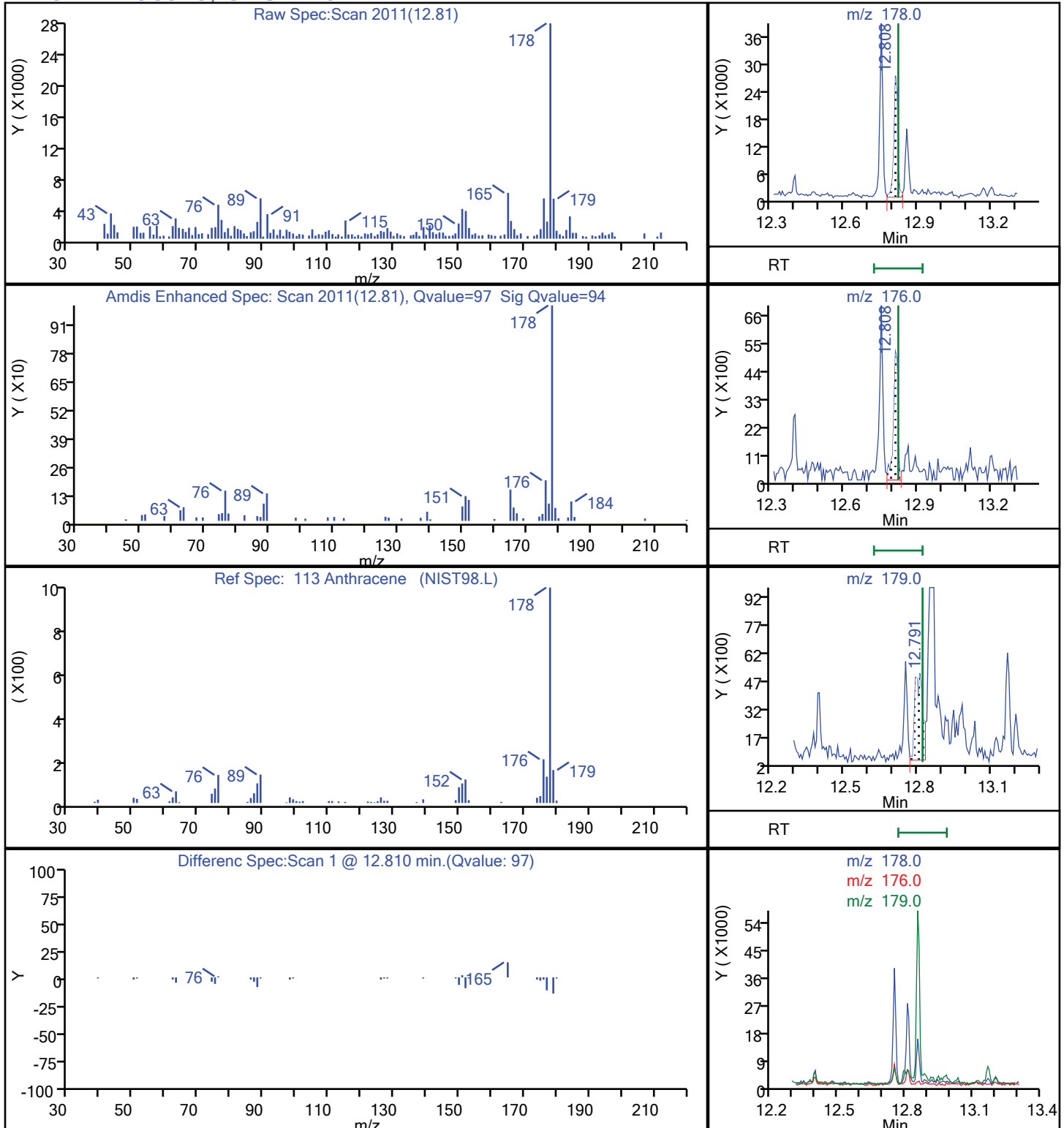
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

113 Anthracene, CAS: 120-12-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

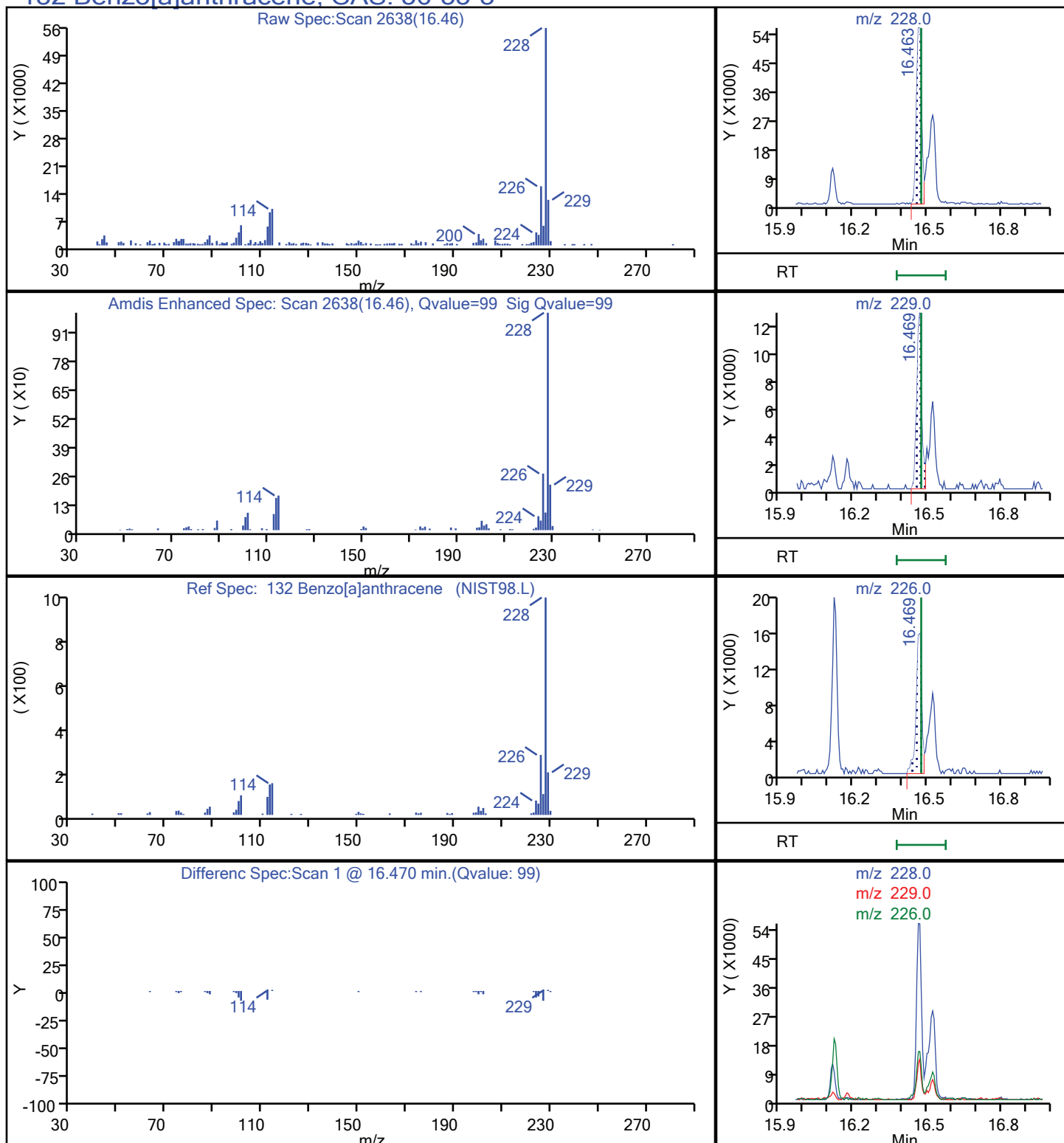
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

132 Benzo[a]anthracene, CAS: 56-55-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

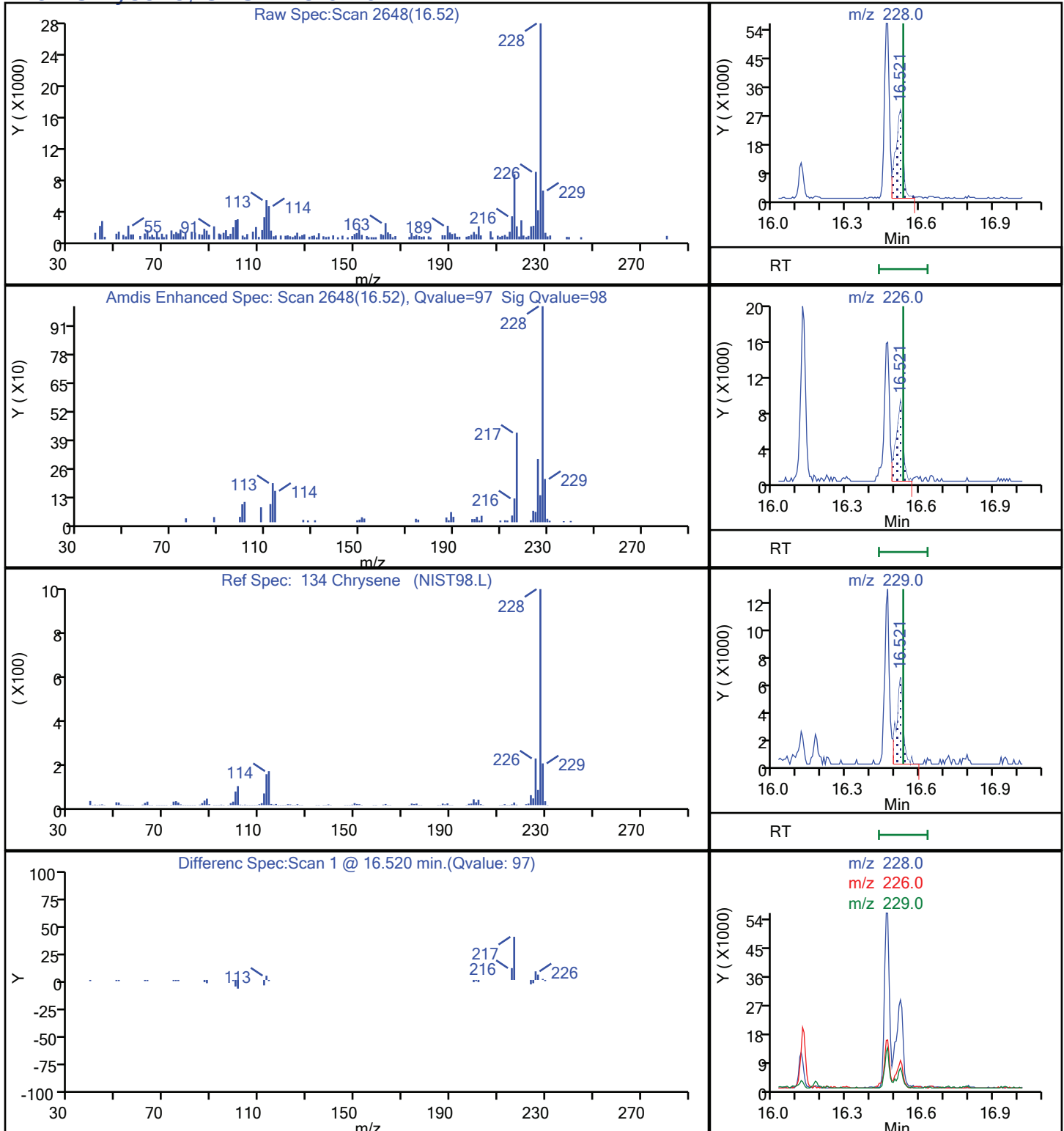
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

134 Chrysene, CAS: 218-01-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

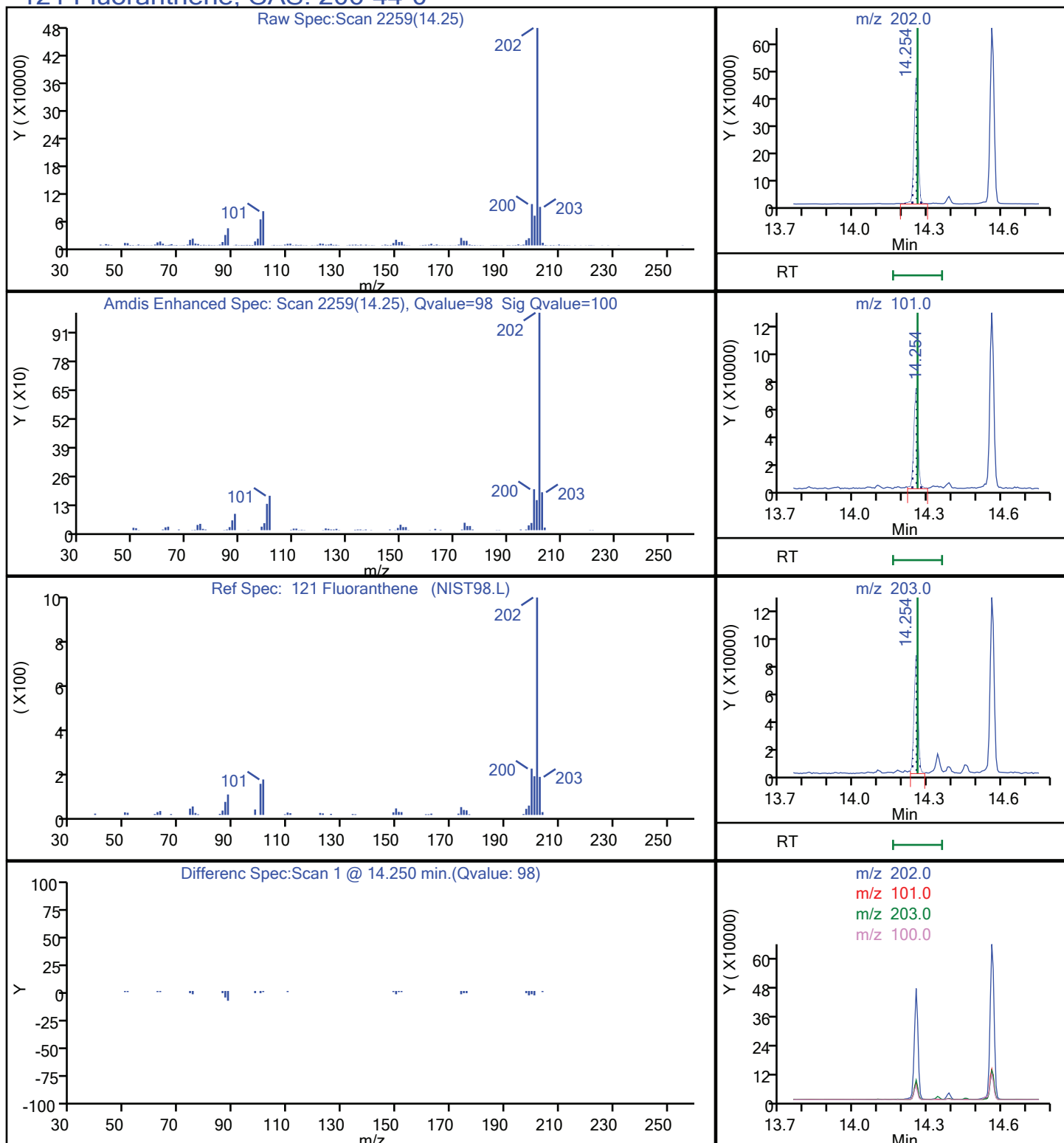
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

121 Fluoranthene, CAS: 206-44-0

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

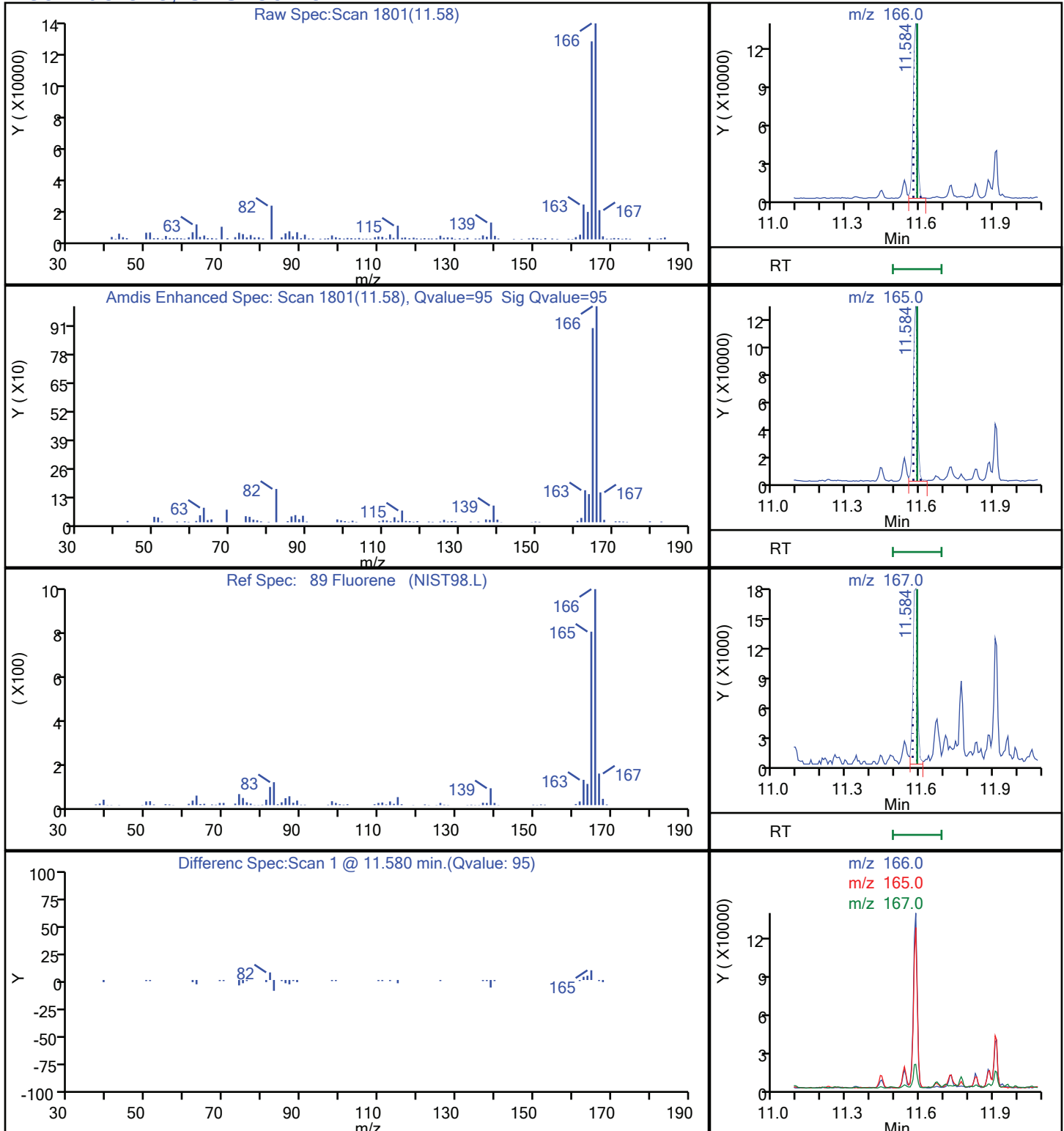
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

89 Fluorene, CAS: 86-73-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

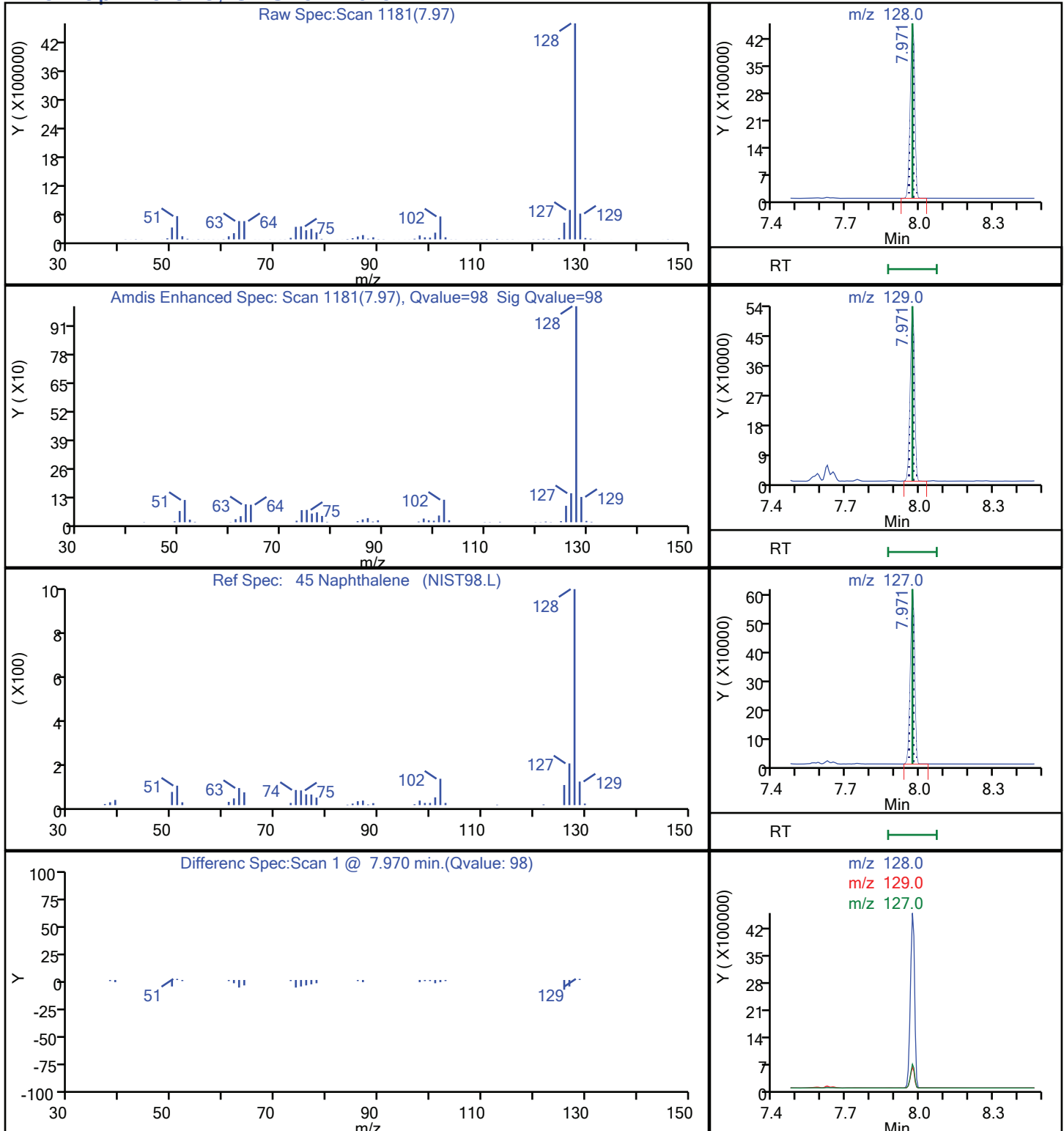
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

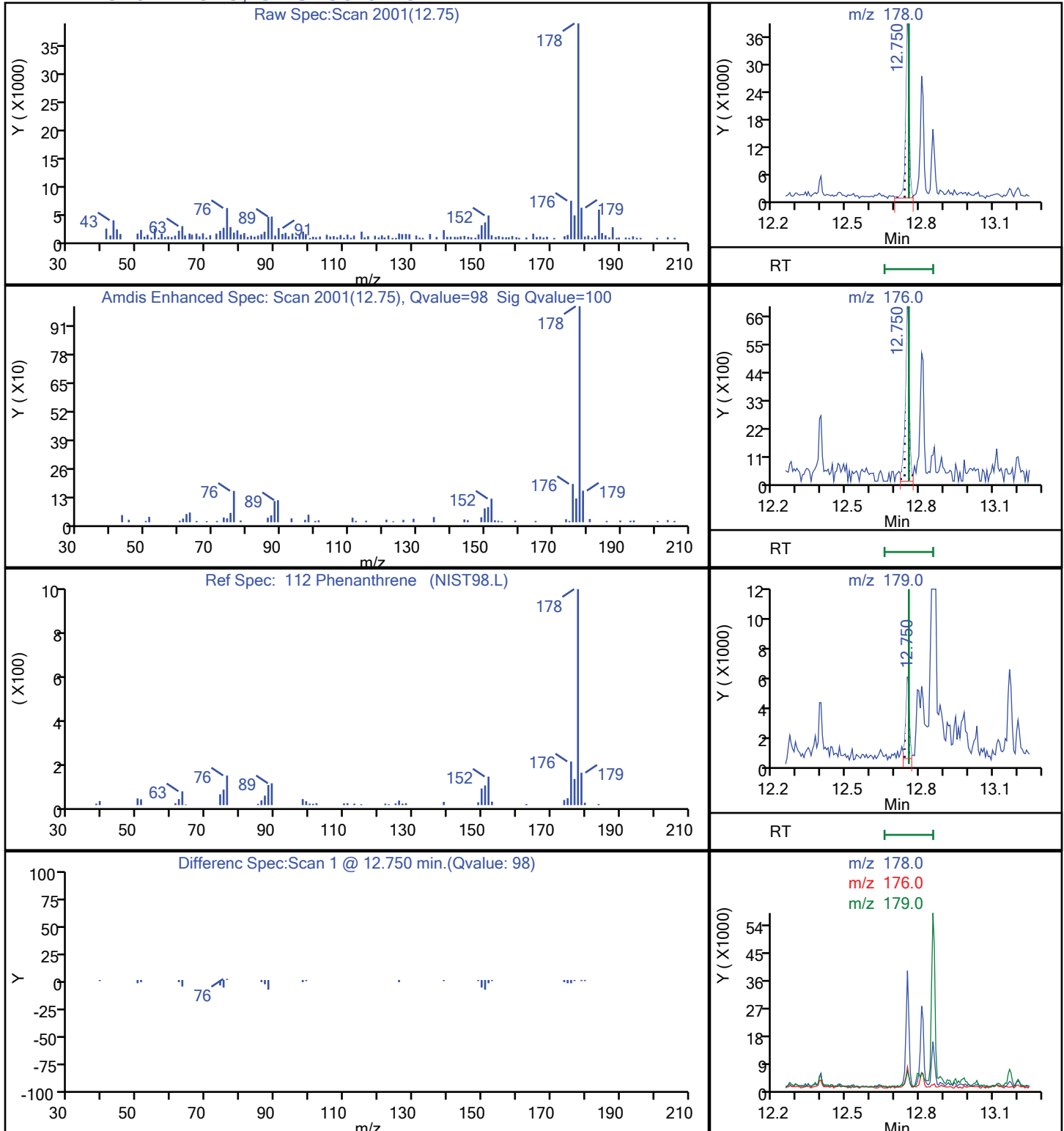
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0161.D

Injection Date: 06-Jul-2020 16:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-15-A

Lab Sample ID: 410-6533-15

Client ID: MW-3-20200701

Operator ID: em10340

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

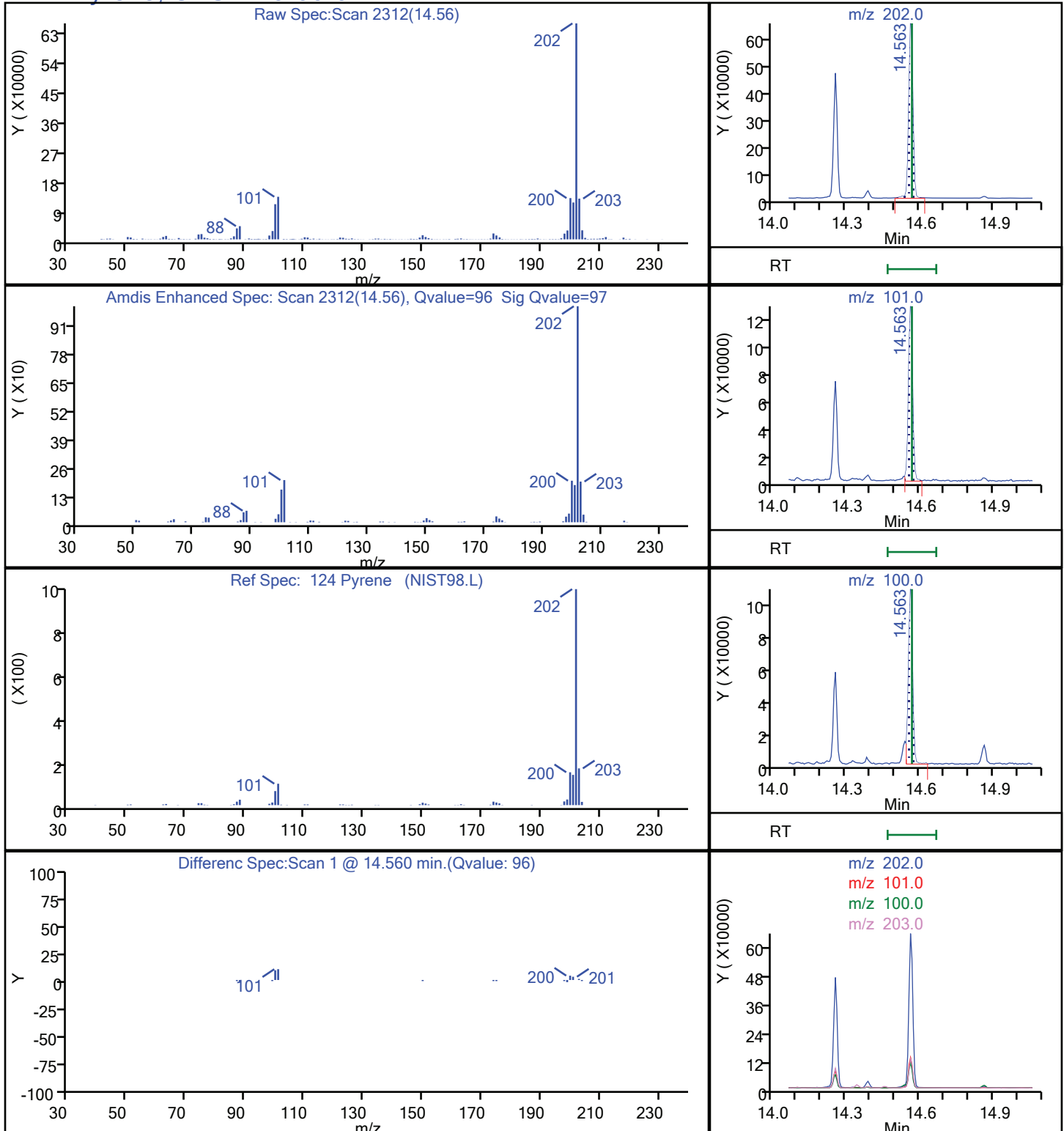
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

124 Pyrene, CAS: 129-00-0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-13S-20200701 Lab Sample ID: 410-6533-16

Matrix: Ground Water Lab File ID: DG0162.D

Analysis Method: 8270D Date Collected: 07/01/2020 10:20

Extract. Method: 3510C Date Extracted: 07/04/2020 07:28

Sample wt/vol: 247(mL) Date Analyzed: 07/06/2020 16:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76		0.51	0.10
208-96-8	Acenaphthylene	3.0		0.51	0.10
120-12-7	Anthracene	7.5		0.51	0.10
56-55-3	Benzo[a]anthracene	2.5		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	0.16	J	0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	1.7		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	12		0.51	0.10
86-73-7	Fluorene	32		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
85-01-8	Phenanthrene	63		0.51	0.10
129-00-0	Pyrene	16		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	63		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	75		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D
 Lims ID: 410-6533-D-16-A
 Client ID: MW-13S-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 16:48:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-16-A
 Misc. Info.: 410-0004873-013
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:31:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	215182	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.846	-0.011	91	1179295	15.8	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	99	817941	5.00	
45 Naphthalene	128	7.976	7.965	0.005	98	7803488	42.9	E
\$ 63 2-Fluorobiphenyl (Surr)	172	9.696	9.696	-0.006	100	1759402	15.4	
75 Acenaphthylene	152	10.483	10.483	-0.006	99	110916	0.7389	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	96	369488	5.00	
78 Acenaphthene	153	10.768	10.768	-0.006	96	1933521	18.7	
89 Fluorene	166	11.584	11.584	-0.006	95	858560	7.84	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	97	647010	5.00	
112 Phenanthrene	178	12.756	12.750	0.000	99	2277828	15.5	
113 Anthracene	178	12.814	12.814	-0.006	98	272009	1.85	
121 Fluoranthene	202	14.254	14.253	-0.006	98	480767	2.88	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	621212	5.00	
124 Pyrene	202	14.563	14.563	-0.006	96	679459	3.97	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	1775421	18.8	
132 Benzo[a]anthracene	228	16.463	16.468	-0.012	99	83410	0.6238	
134 Chrysene	228	16.521	16.526	-0.012	97	60374	0.4298	
138 Benzo[b]fluoranthene	252	18.264	18.264	-0.006	92	5140	0.0395	M
140 Benzo[k]fluoranthene	252	18.299	18.317	-0.023	17	2483	0.0188	Ma
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.858	18.864	-0.006	96	547902	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Worklist Smp#: 13

Client ID: MW-13S-20200701

Injection Vol: 1.0 ul

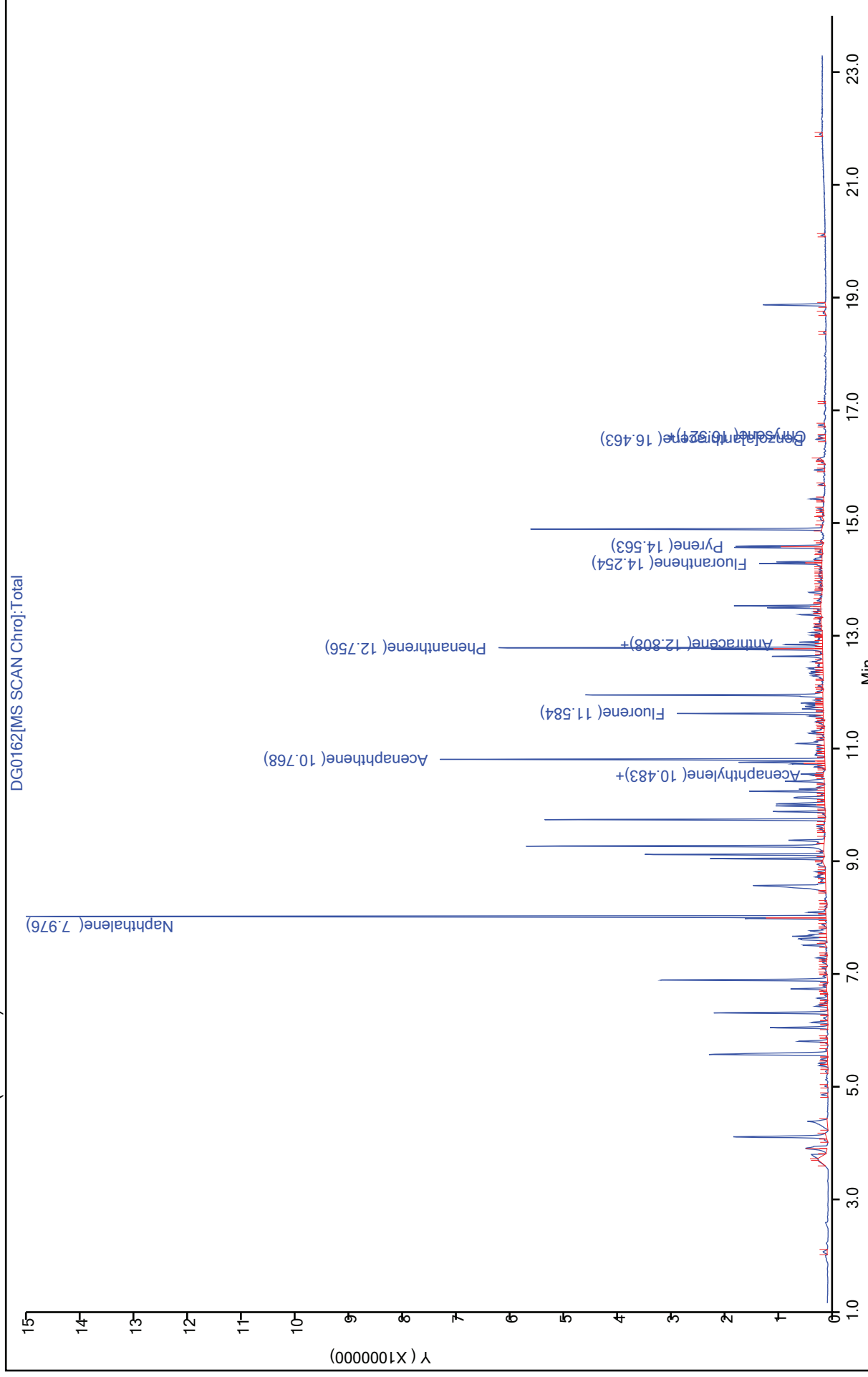
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

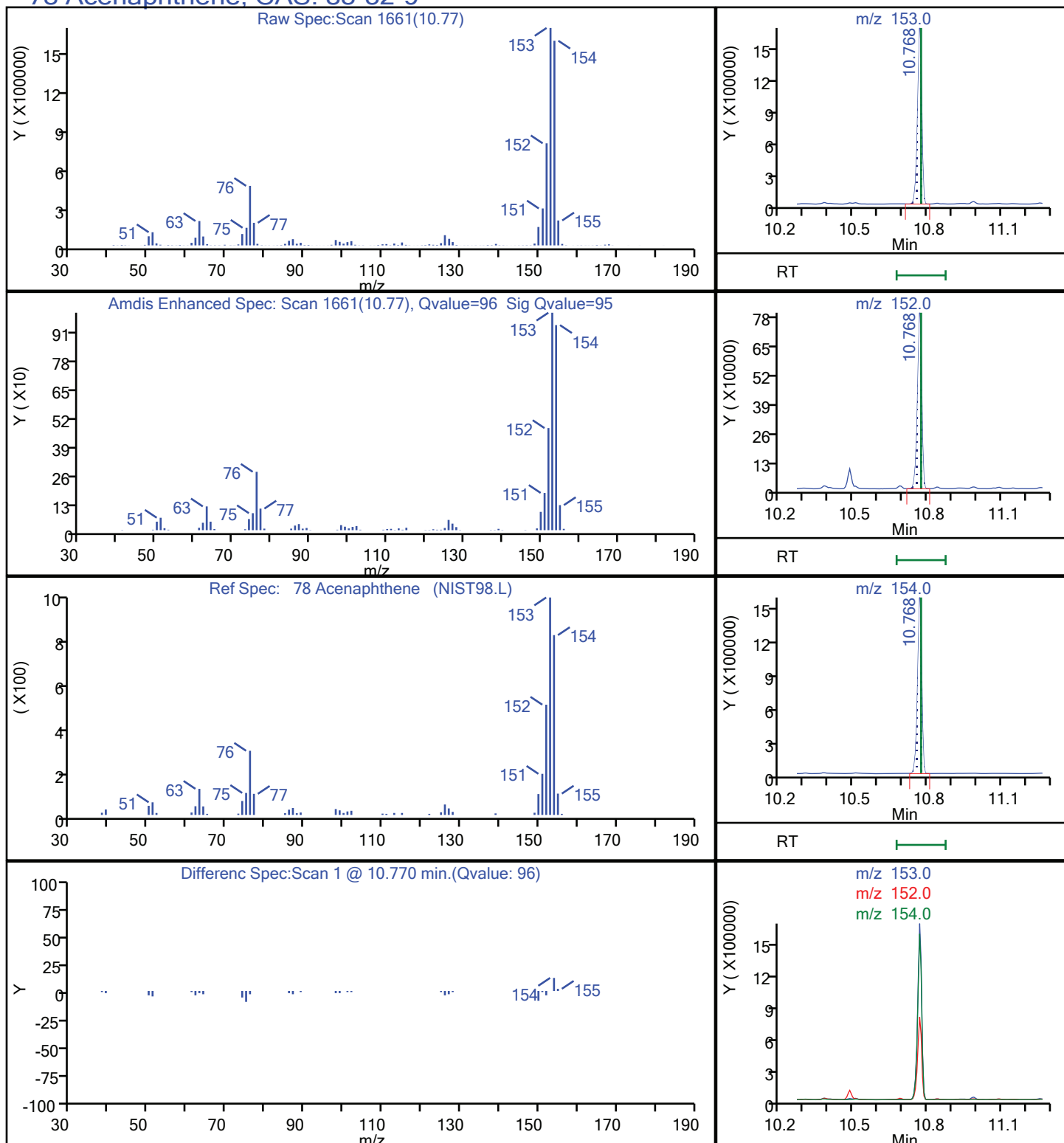
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

78 Acenaphthene, CAS: 83-32-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

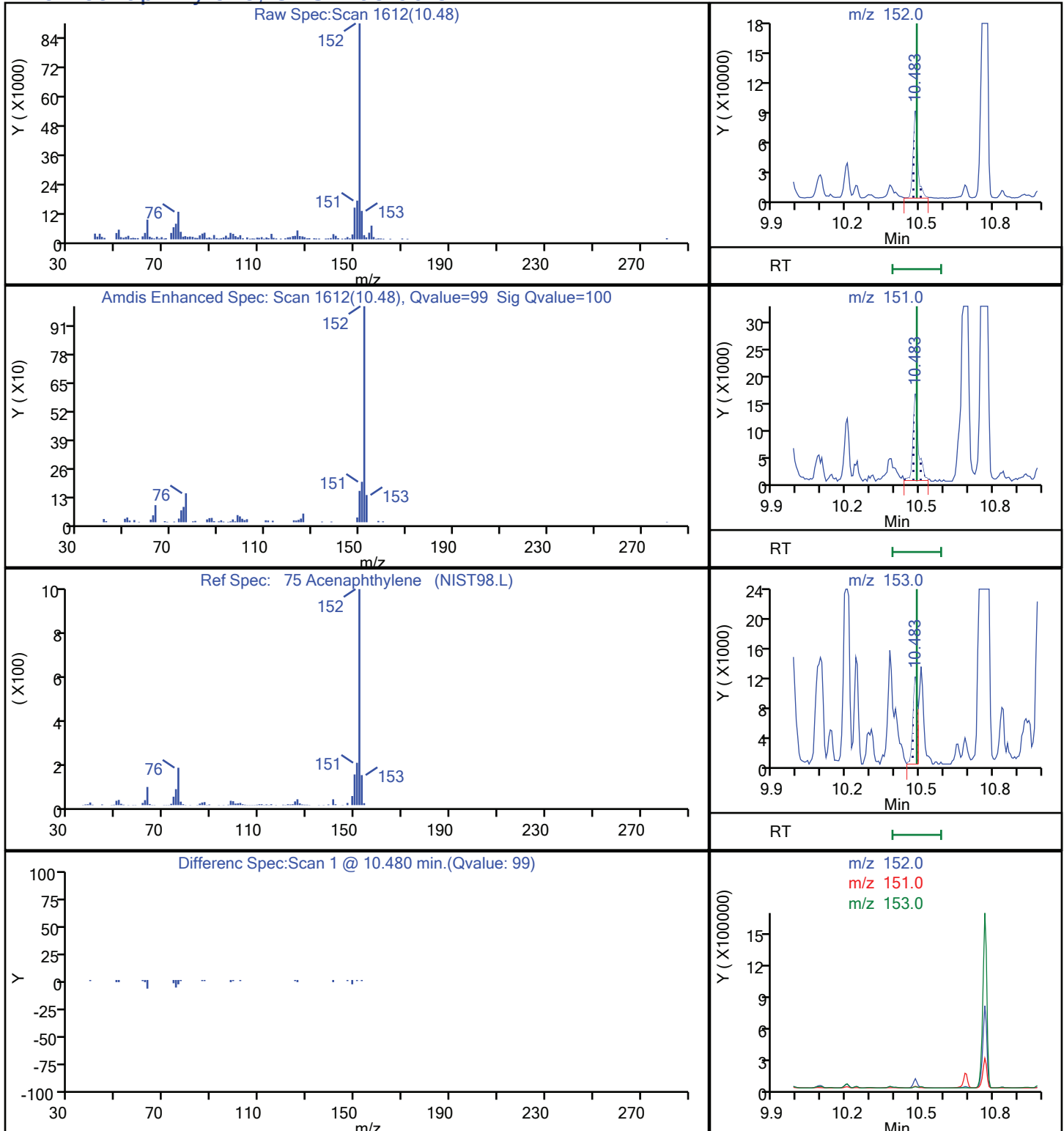
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

75 Acenaphthylene, CAS: 208-96-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

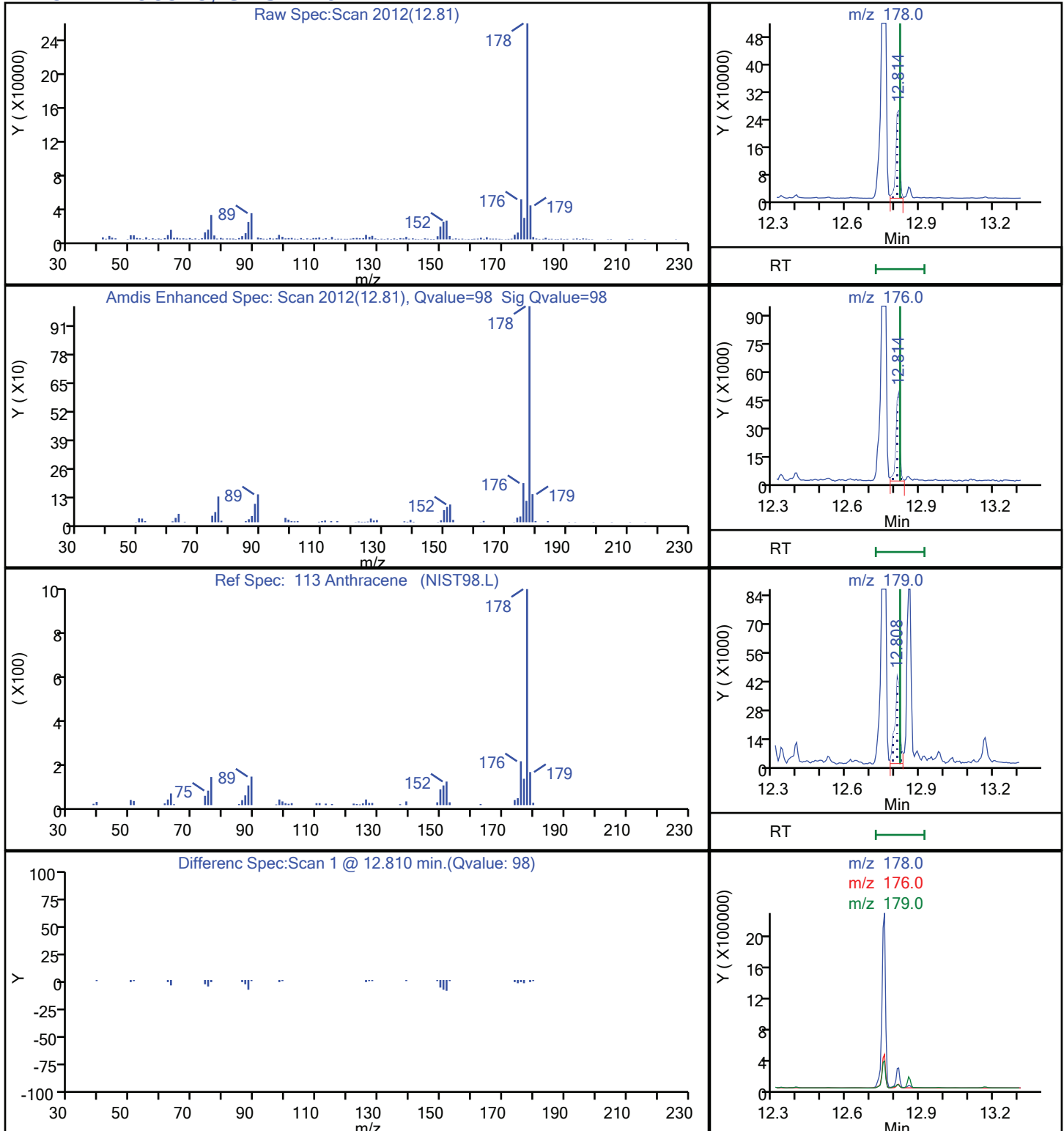
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

113 Anthracene, CAS: 120-12-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

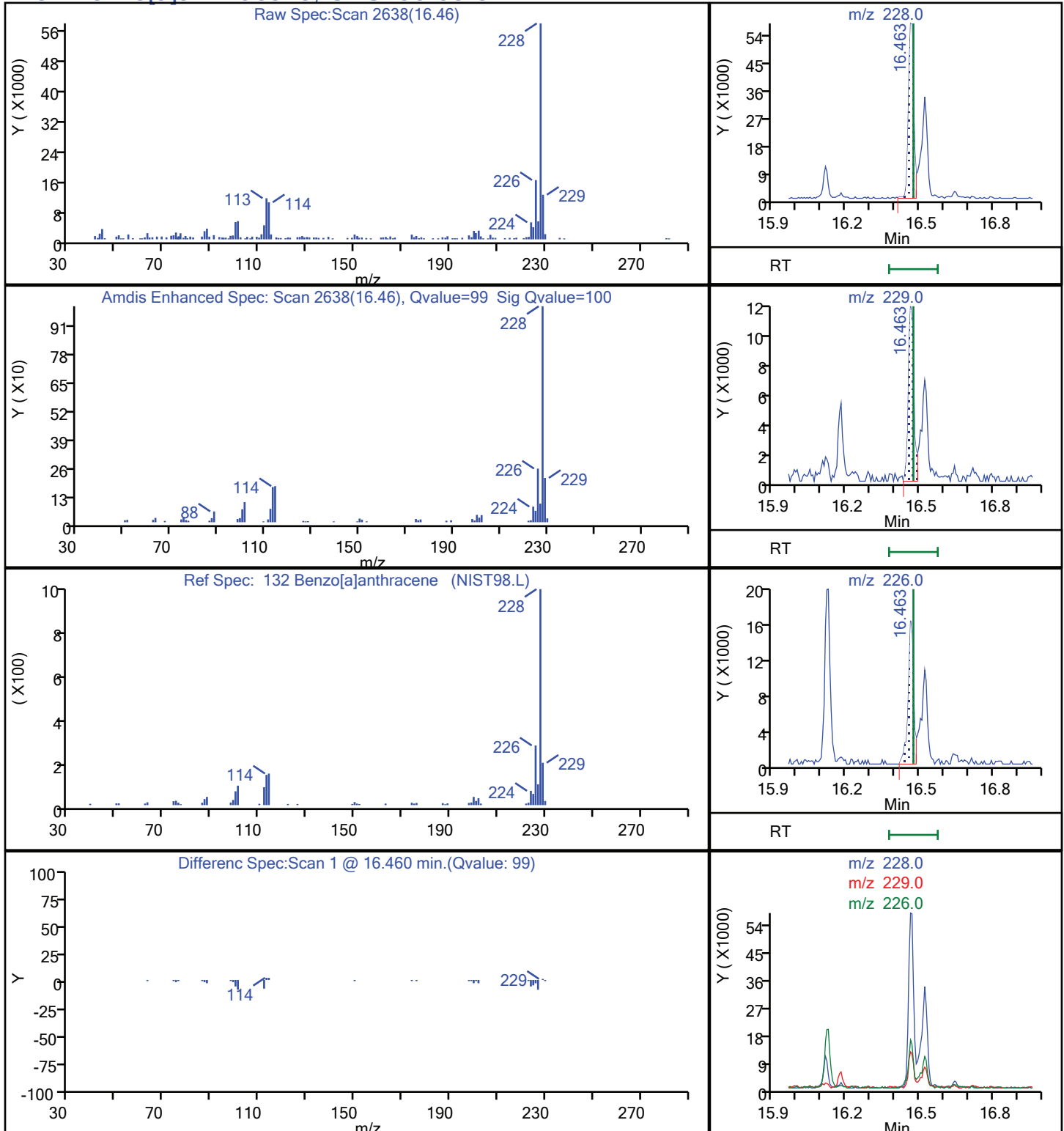
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

132 Benzo[a]anthracene, CAS: 56-55-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

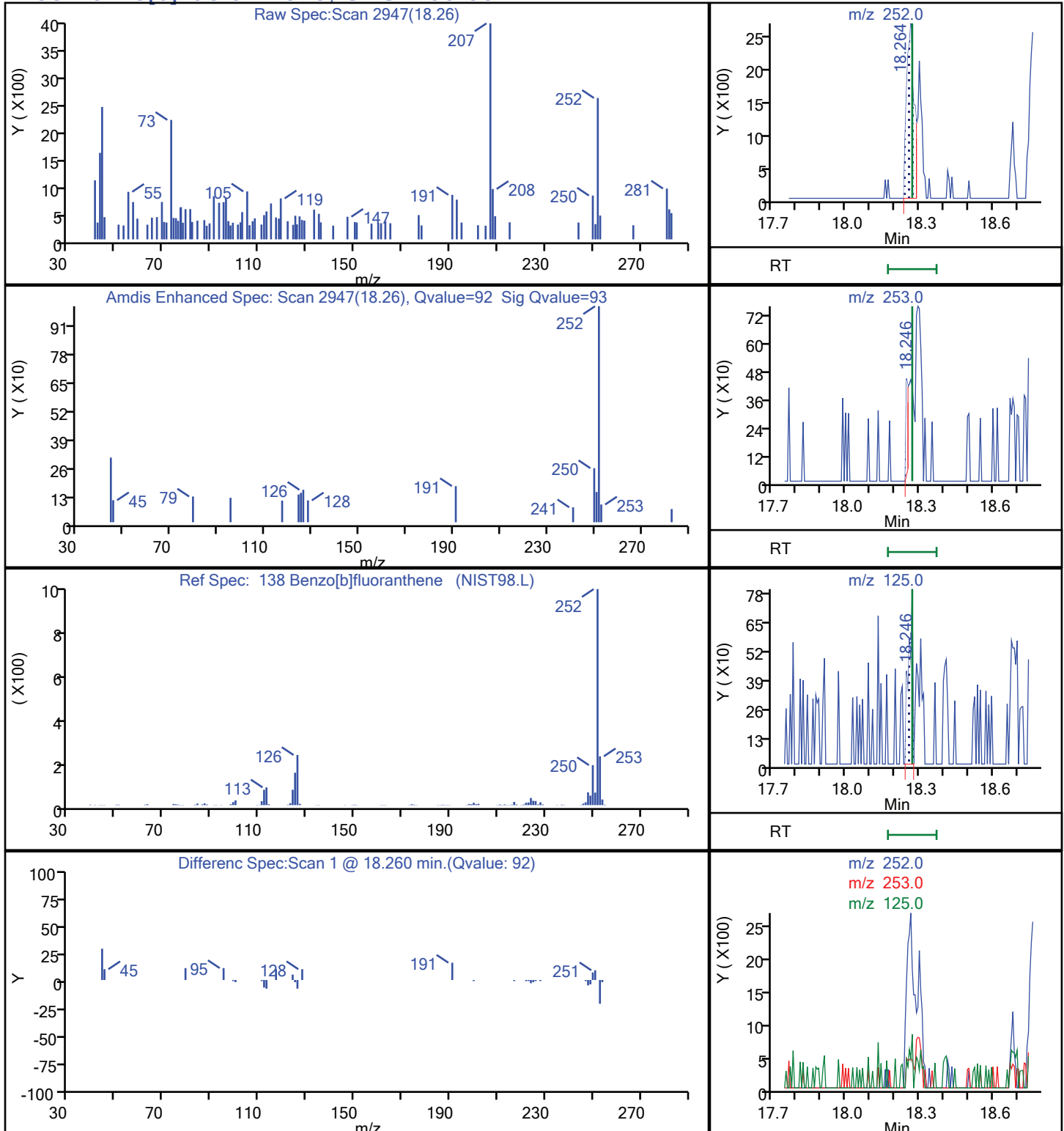
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

138 Benzo[b]fluoranthene, CAS: 205-99-2

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

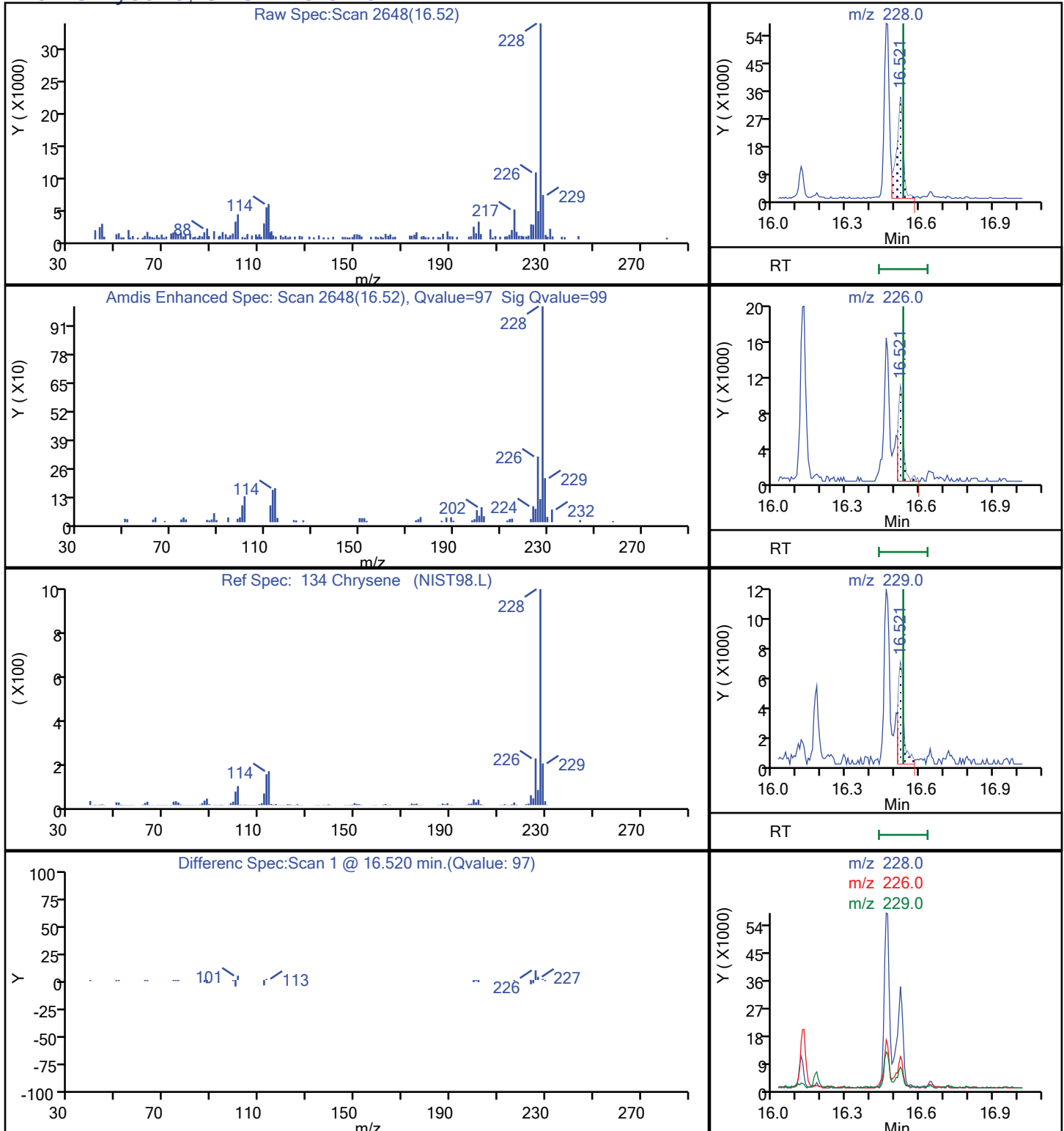
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

134 Chrysene, CAS: 218-01-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

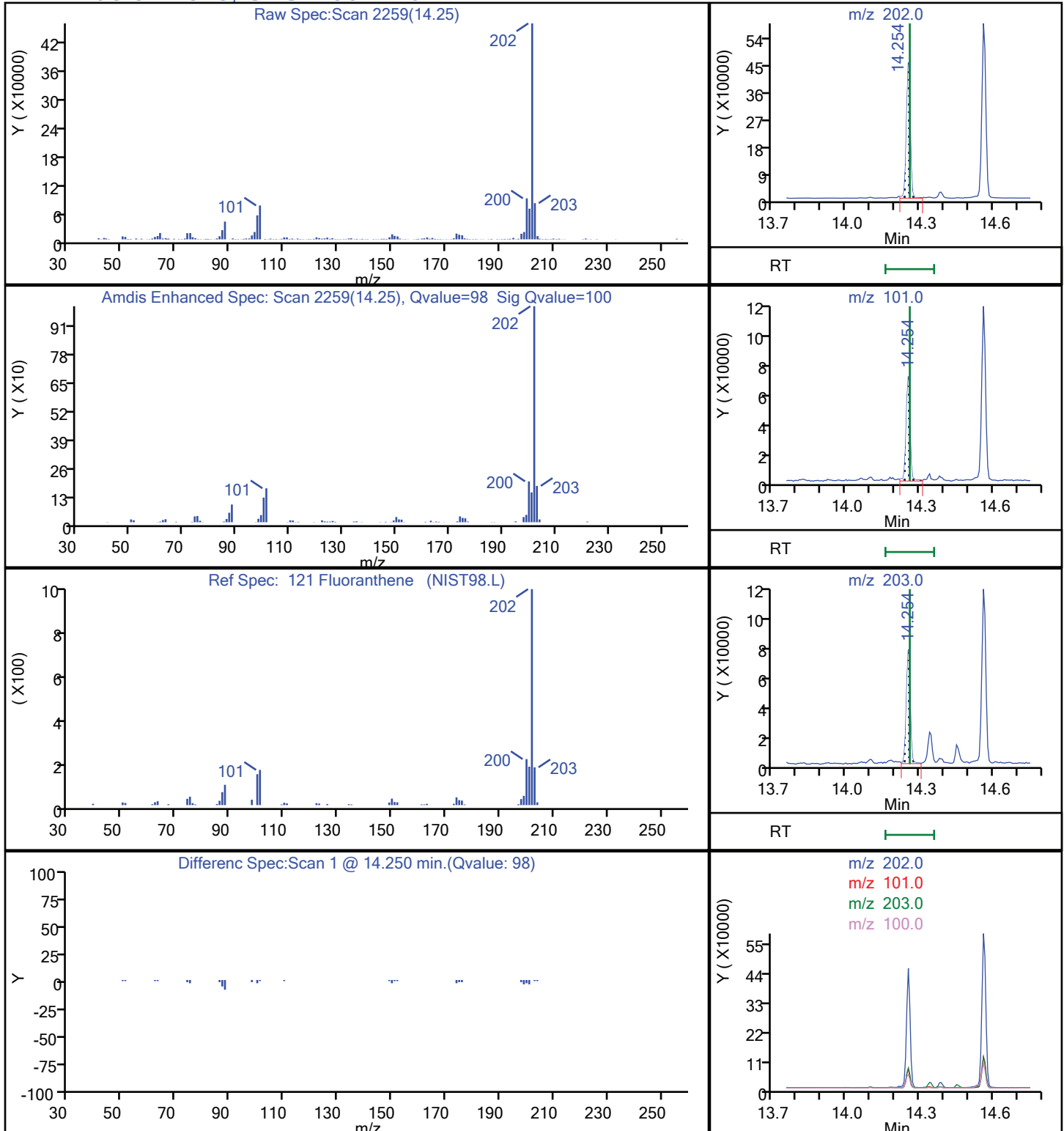
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

121 Fluoranthene, CAS: 206-44-0

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

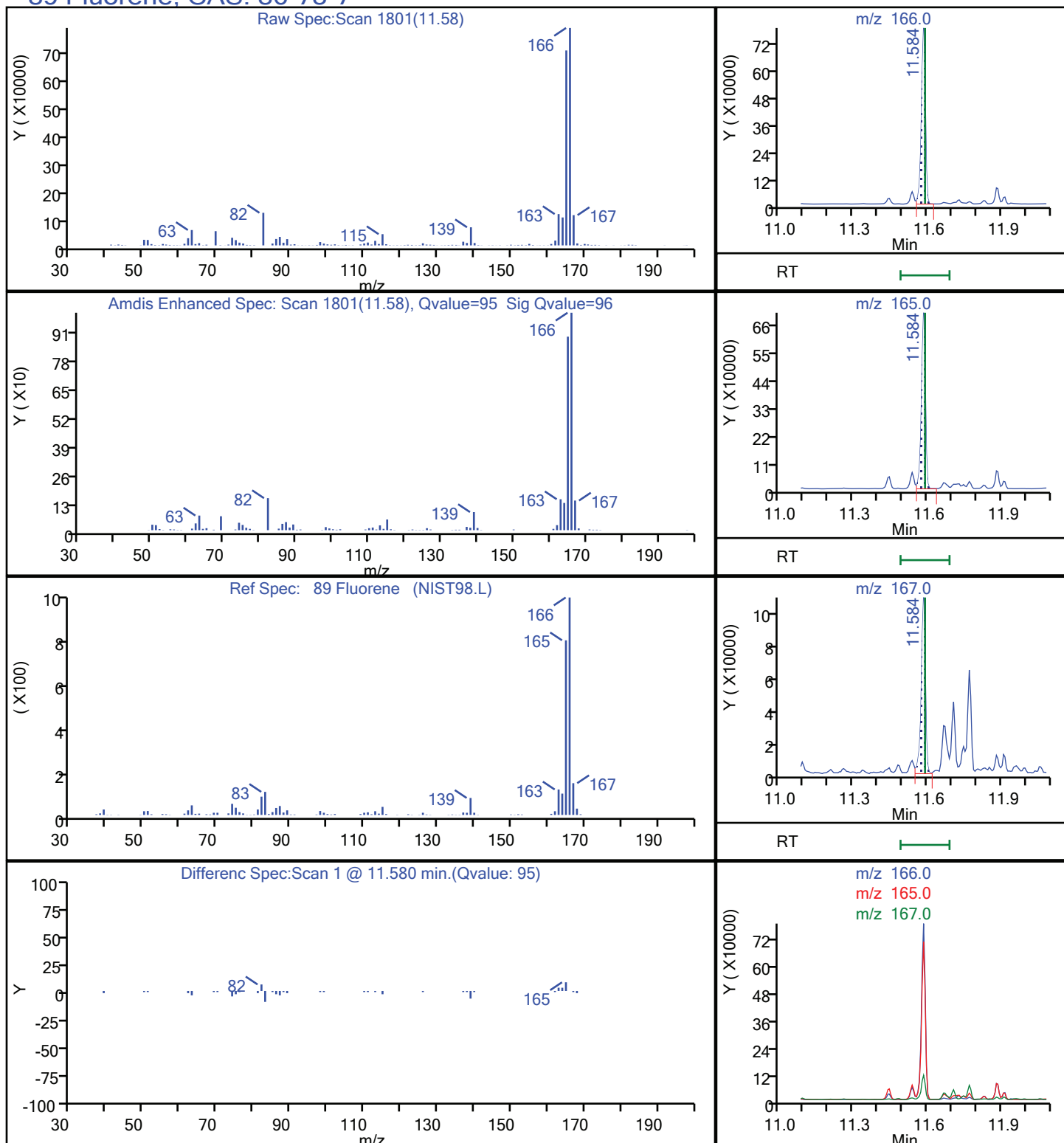
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

89 Fluorene, CAS: 86-73-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

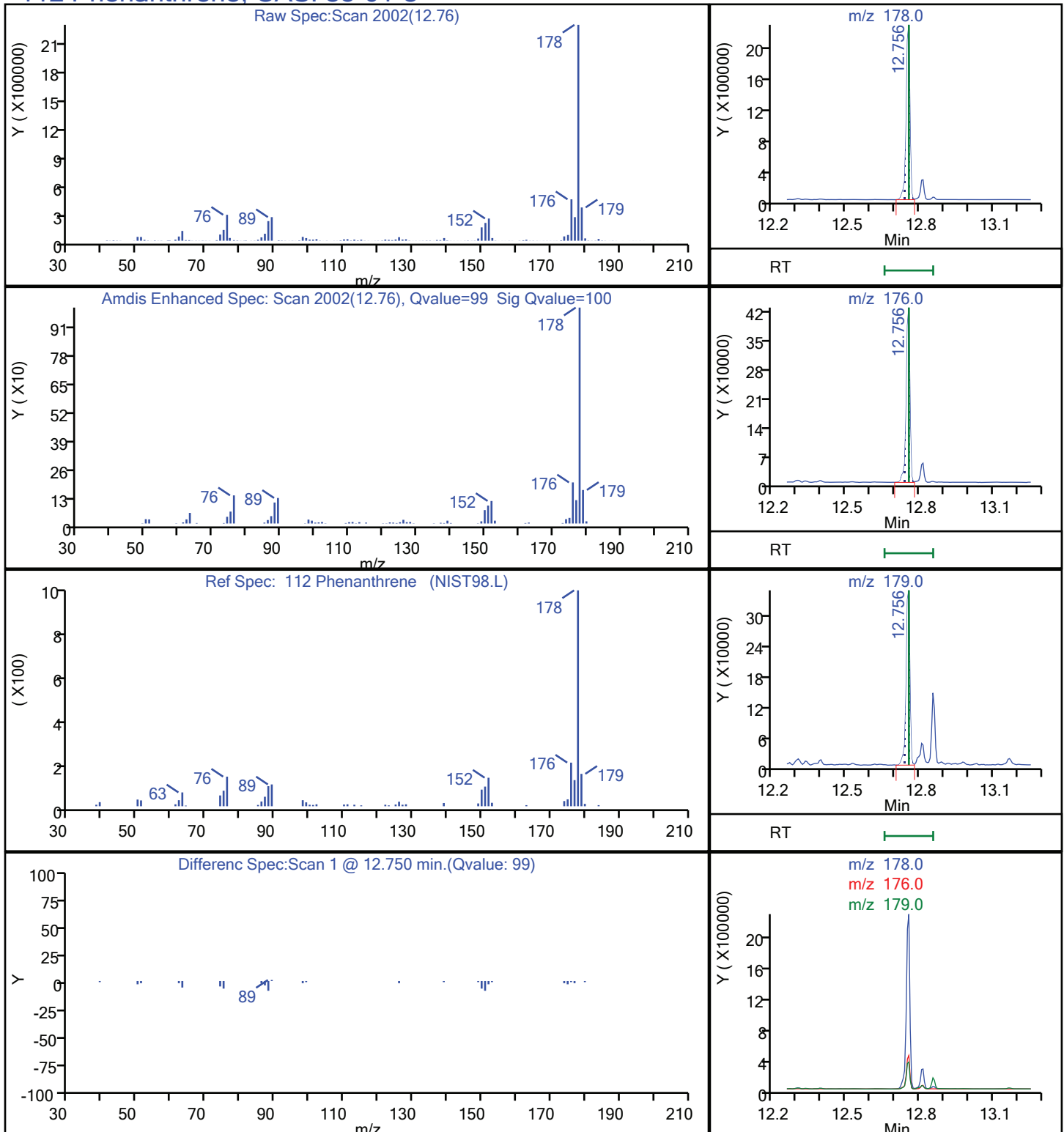
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

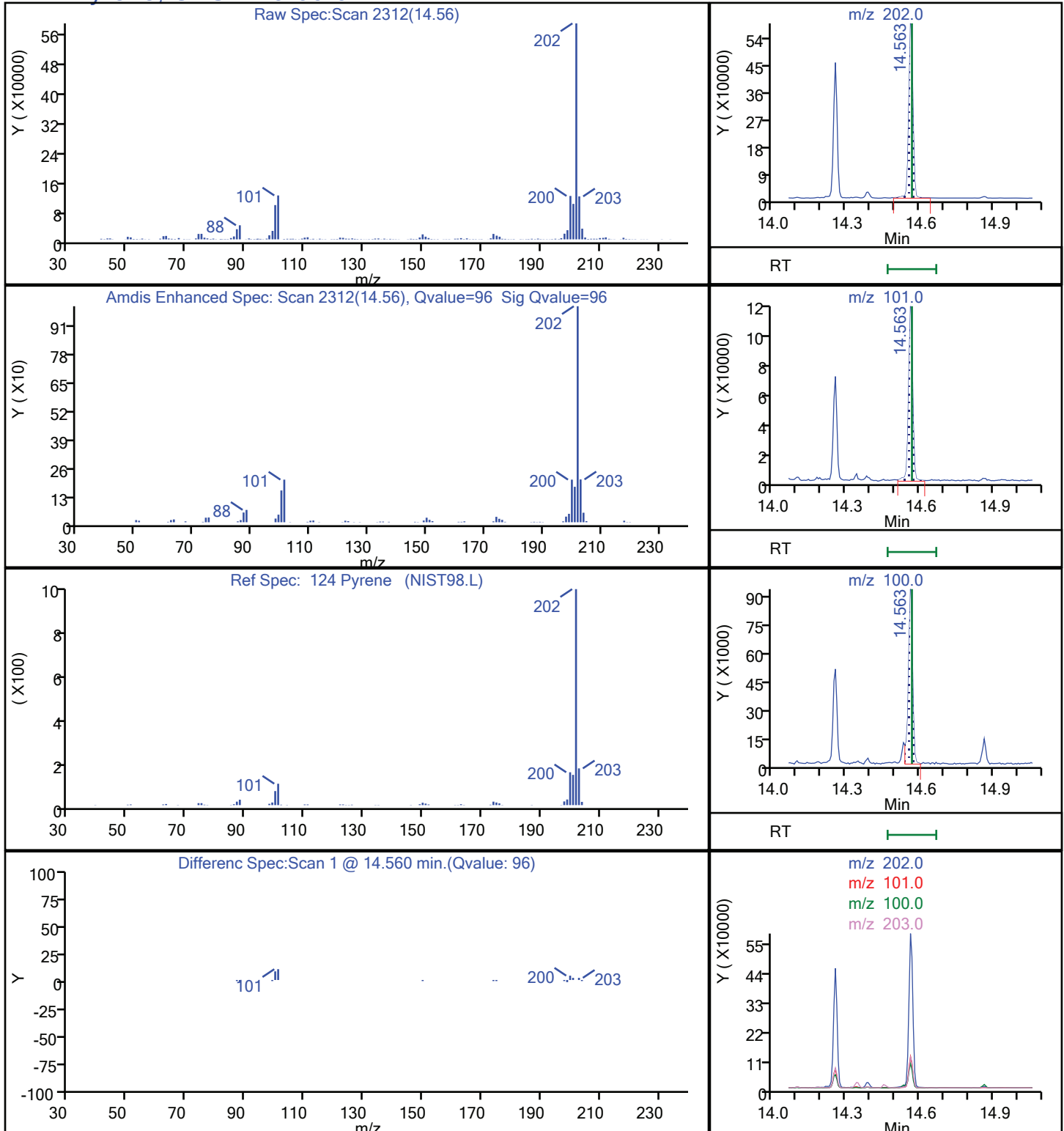
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

124 Pyrene, CAS: 129-00-0

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

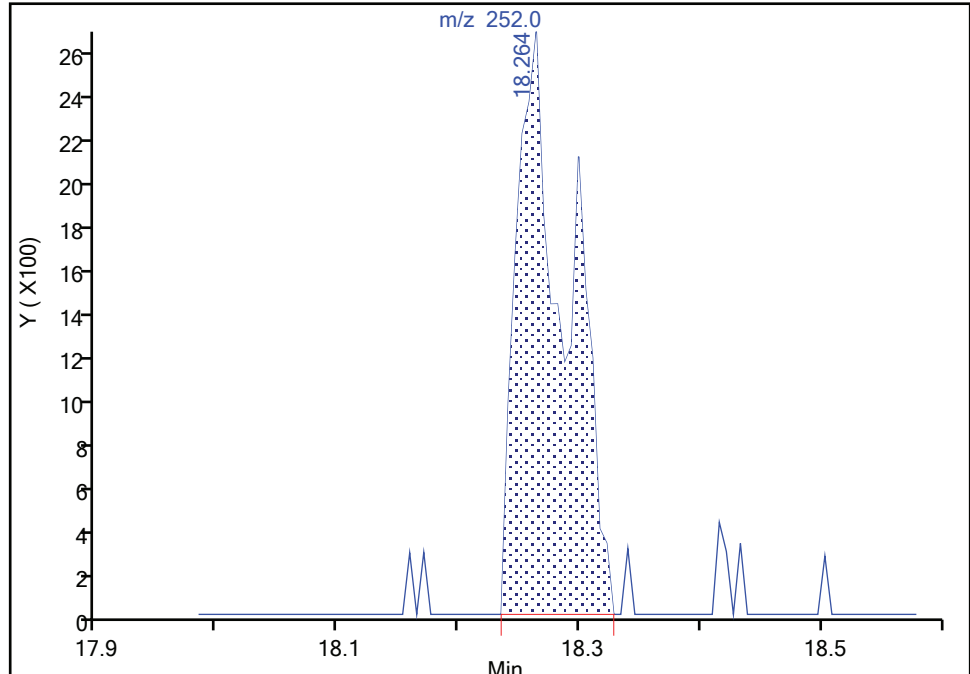
Detector: MS SCAN

138 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

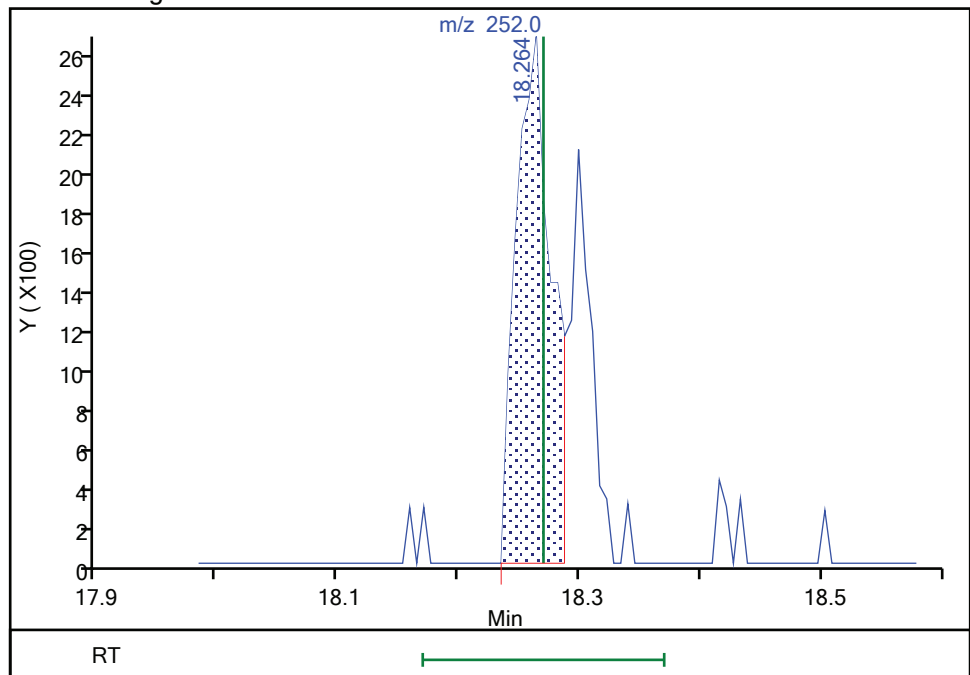
RT: 18.26
Area: 7623
Amount: 0.058575
Amount Units: ug/ml

Processing Integration Results



RT: 18.26
Area: 5140
Amount: 0.039496
Amount Units: ug/ml

Manual Integration Results



Reviewer: williamss, 06-Jul-2020 19:31:21

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0162.D

Injection Date: 06-Jul-2020 16:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: em10340

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

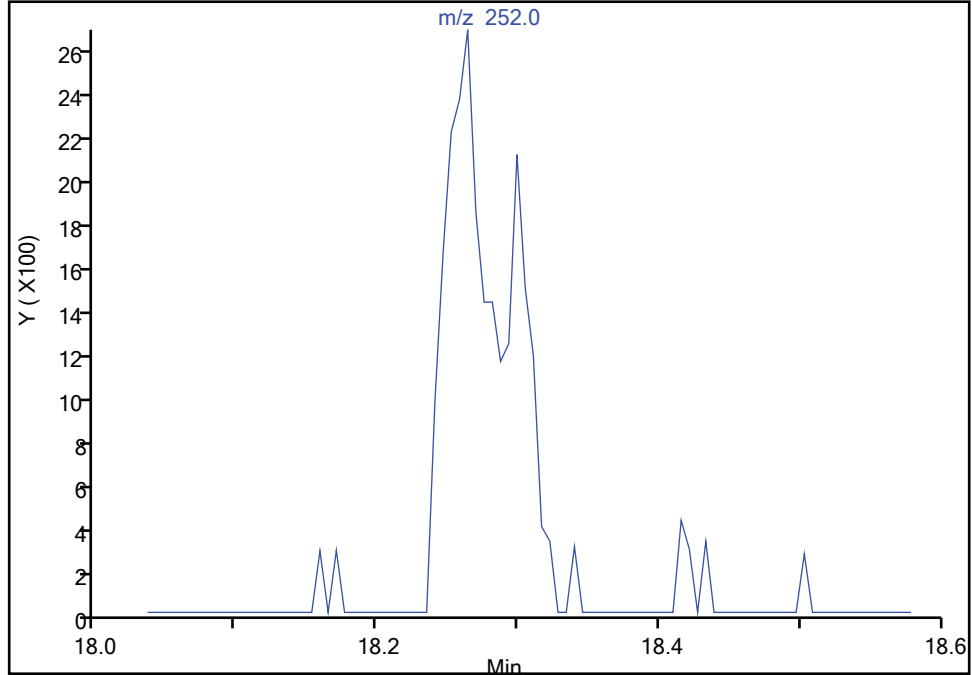
140 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

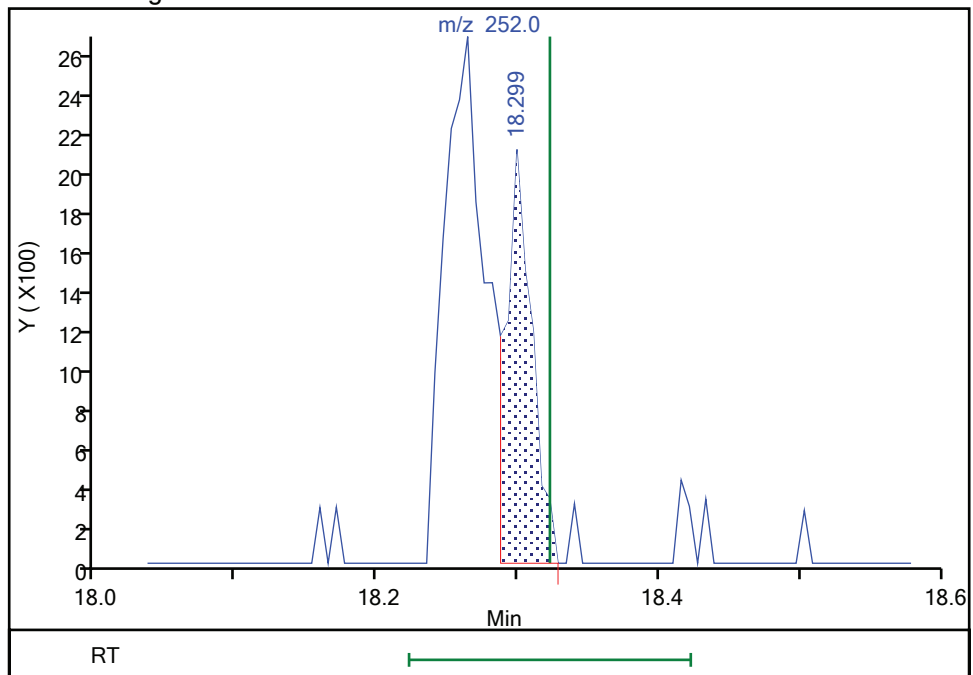
Not Detected

Expected RT: 18.32

Processing Integration Results



Manual Integration Results



RT: 18.30

Area: 2483

Amount: 0.018828

Amount Units: ug/ml

Reviewer: williamss, 06-Jul-2020 19:31:38

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: MW-13S-20200701 DL Lab Sample ID: 410-6533-16 DL
 Matrix: Ground Water Lab File ID: DG0407.D
 Analysis Method: 8270D Date Collected: 07/01/2020 10:20
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:28
 Sample wt/vol: 247(mL) Date Analyzed: 07/09/2020 00:34
 Con. Extract Vol.: 1(mL) Dilution Factor: 5
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	180		2.5	0.51

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	58		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	69		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0407.D
 Lims ID: 410-6533-D-16-A
 Client ID: MW-13S-20200701
 Sample Type: Client
 Inject. Date: 09-Jul-2020 00:34:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 5.0000
 Sample Info: 410-6533-D-16-A
 Misc. Info.: 410-0005114-008
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 08:52:41 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 08:50:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.059	-0.006	98	192903	5.00	
\$ 33 Nitrobenzene-d5	82	7.875	7.881	-0.011	88	227050	2.91	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	779233	5.00	
45 Naphthalene	128	9.023	9.017	0.000	98	1590937	8.96	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.737	-0.005	99	350777	3.01	
75 Acenaphthylene	152	11.547	11.553	-0.006	97	21409	0.1431	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	389202	5.00	
78 Acenaphthene	153	11.803	11.809	-0.006	96	372997	3.41	
89 Fluorene	166	12.479	12.479	0.000	94	164924	1.43	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	727192	5.00	
112 Phenanthrene	178	13.674	13.674	-0.006	98	472298	2.74	
113 Anthracene	178	13.738	13.744	-0.012	98	54228	0.3153	
121 Fluoranthene	202	15.341	15.340	-0.006	99	106558	0.5491	
* 123 Pyrene-d10 (IS)	212	15.656	15.662	-0.006	99	733986	5.00	
124 Pyrene	202	15.685	15.691	-0.012	97	153457	0.7586	
\$ 125 p-Terphenyl-d14	244	15.971	15.982	-0.011	98	420931	3.48	
132 Benzo[a]anthracene	228	17.708	17.719	-0.011	97	18602	0.1125	
134 Chrysene	228	17.772	17.783	-0.011	94	10933	0.0626	
138 Benzo[b]fluoranthene	252	19.567	19.579	-0.017	55	1485	0.008320	7
140 Benzo[k]fluoranthene	252	19.608	19.608	-0.029	1	726	0.004060	7a
141 Benzo[a]pyrene	252		20.109				ND	Ua
* 142 Perylene-d12	264	20.191	20.202	-0.011	96	698571	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.828				ND	
147 Dibenzo(a,h)anthracene	278		21.869				ND	
148 Benzo[g,h,i]perylene	276		22.231				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0407.D

Injection Date: 09-Jul-2020 00:34:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Worklist Smp#: 8

Client ID: MW-13S-20200701

Injection Vol: 1.0 ul

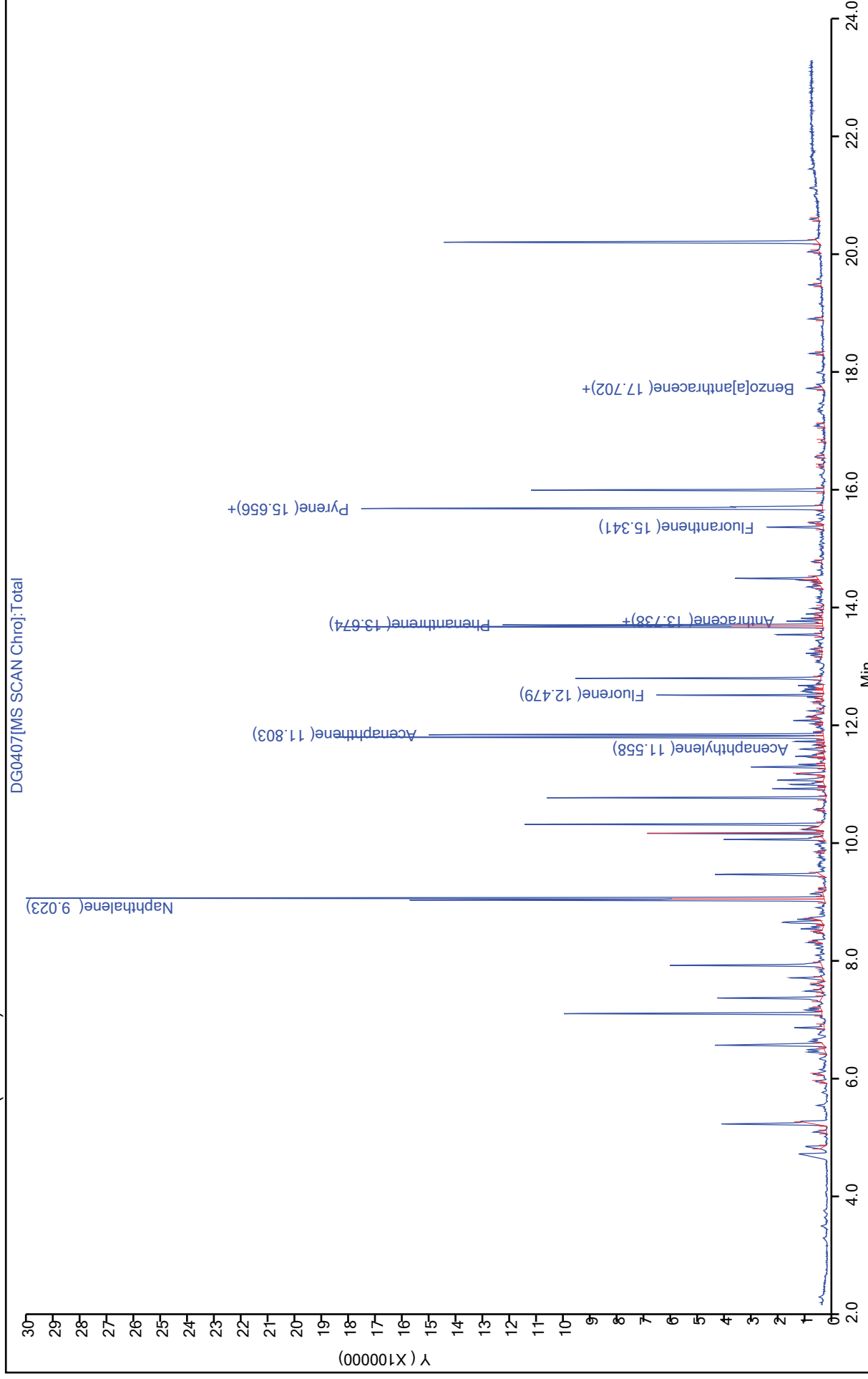
Dil. Factor: 5.0000

ALS Bottle#: 8

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0407.D

Injection Date: 09-Jul-2020 00:34:30

Instrument ID: HP19760

Lims ID: 410-6533-D-16-A

Lab Sample ID: 410-6533-16

Client ID: MW-13S-20200701

Operator ID: sw30417

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 1.0 ul

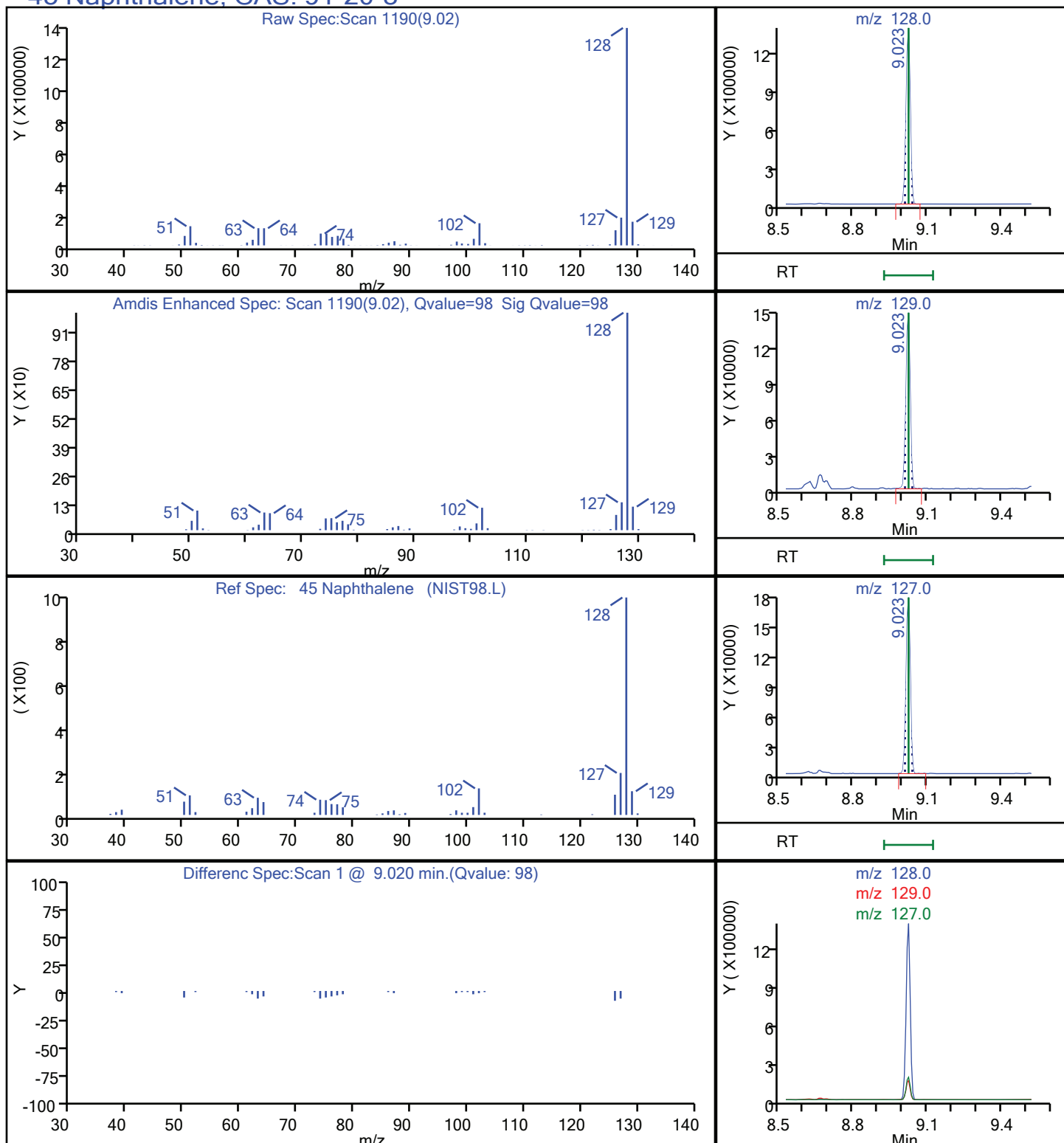
Dil. Factor: 5.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-13D-20200701 Lab Sample ID: 410-6533-17

Matrix: Ground Water Lab File ID: DG0163.D

Analysis Method: 8270D Date Collected: 07/01/2020 11:10

Extract. Method: 3510C Date Extracted: 07/04/2020 07:28

Sample wt/vol: 248(mL) Date Analyzed: 07/06/2020 17:18

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	0.11	J	0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	54		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	57		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	86		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0163.D
 Lims ID: 410-6533-D-17-A
 Client ID: MW-13D-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 17:18:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-17-A
 Misc. Info.: 410-0004873-014
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:35:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.994	5.995	-0.001	97	224615	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.846	-0.011	89	1111983	14.2	
* 44 Naphthalene-d8	136	7.935	7.941	-0.006	100	854545	5.00	
45 Naphthalene	128	7.970	7.965	-0.001	94	5290	0.0278	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.696	9.696	-0.006	100	1608819	13.6	
75 Acenaphthylene	152		10.489				ND	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	97	381508	5.00	
78 Acenaphthene	153	10.762	10.768	-0.012	91	1102	0.0103	7
89 Fluorene	166		11.590				ND	
* 110 Phenanthrene-d10	188	12.721	12.727	-0.006	97	688255	5.00	
112 Phenanthrene	178		12.756				ND	U
113 Anthracene	178	12.750	12.814	-0.070	87	1318	0.008414	7
121 Fluoranthene	202		14.260				ND	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	633478	5.00	
124 Pyrene	202		14.569				ND	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	2070294	21.5	
132 Benzo[a]anthracene	228		16.475				ND	
134 Chrysene	228		16.533				ND	
138 Benzo[b]fluoranthene	252		18.270				ND	
140 Benzo[k]fluoranthene	252		18.322				ND	
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.858	18.864	-0.006	96	532266	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0163.D

Injection Date: 06-Jul-2020 17:18:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-17-A

Lab Sample ID: 410-6533-17

Worklist Smp#: 14

Client ID: MW-13D-20200701

Injection Vol: 1.0 ul

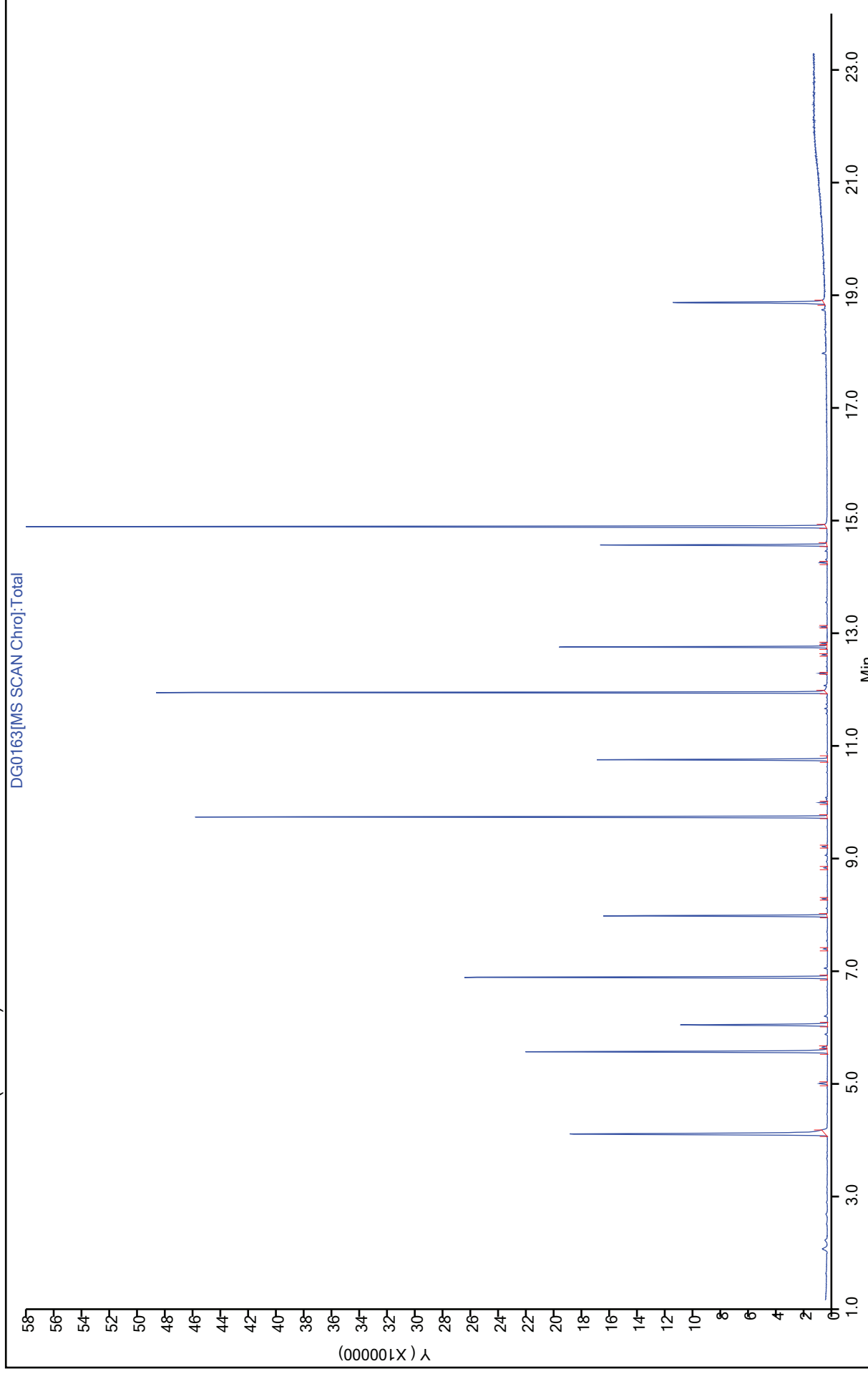
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0163.D

Injection Date: 06-Jul-2020 17:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-17-A

Lab Sample ID: 410-6533-17

Client ID: MW-13D-20200701

Operator ID: em10340

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

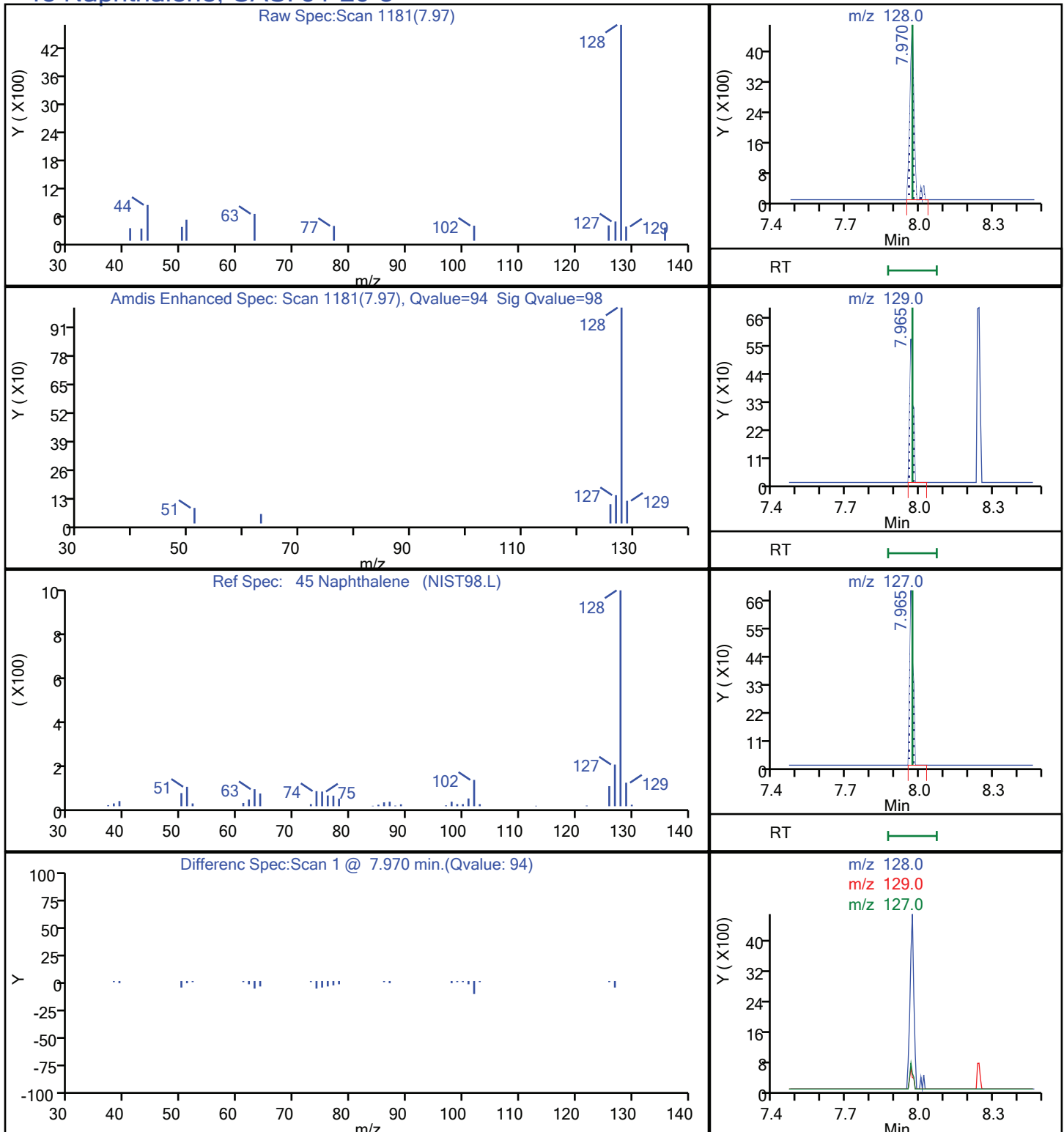
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0163.D

Injection Date: 06-Jul-2020 17:18:30

Instrument ID: HP19760

Lims ID: 410-6533-D-17-A

Lab Sample ID: 410-6533-17

Client ID: MW-13D-20200701

Operator ID: em10340

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

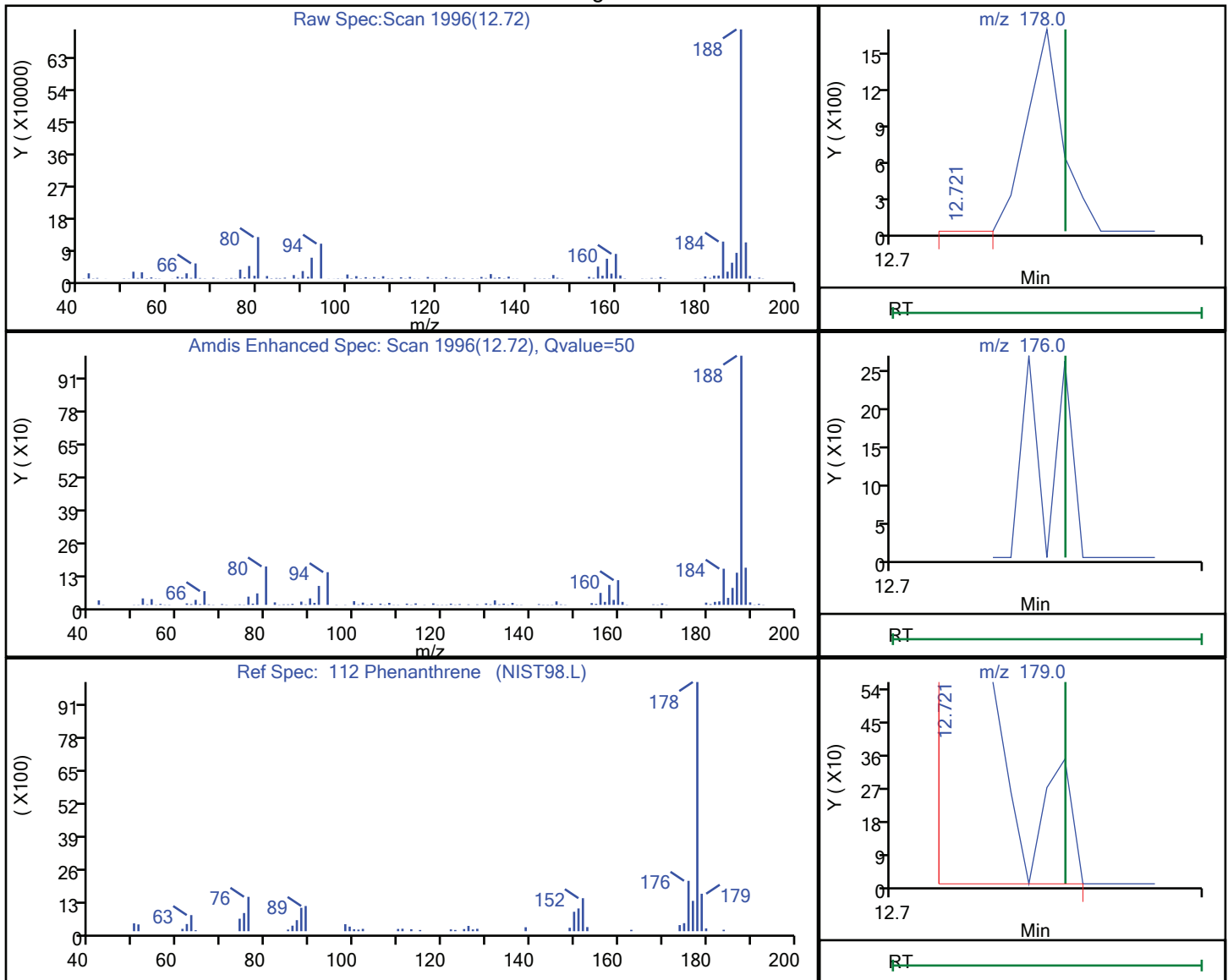
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
12.72	178.00	196	0.001253
12.76	176.00	0	
12.72	179.00	741	

Reviewer: williamss, 06-Jul-2020 19:34:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-12S-20200701 Lab Sample ID: 410-6533-18

Matrix: Ground Water Lab File ID: DG0164.D

Analysis Method: 8270D Date Collected: 07/01/2020 12:40

Extract. Method: 3510C Date Extracted: 07/04/2020 07:28

Sample wt/vol: 246(mL) Date Analyzed: 07/06/2020 17:47

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	62		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	82		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0164.D
 Lims ID: 410-6533-D-18-A
 Client ID: MW-12S-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 17:47:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-18-A
 Misc. Info.: 410-0004873-015
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:37:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	230138	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.846	-0.011	89	1238923	15.5	
* 44 Naphthalene-d8	136	7.935	7.941	-0.006	99	871379	5.00	
45 Naphthalene	128	7.965	7.965	-0.006	92	4048	0.0209	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.696	9.696	-0.006	100	1878342	15.7	
75 Acenaphthylene	152		10.489				ND	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	97	387033	5.00	
78 Acenaphthene	153		10.774				ND	
89 Fluorene	166		11.590				ND	
* 110 Phenanthrene-d10	188	12.721	12.727	-0.006	97	695063	5.00	
112 Phenanthrene	178		12.756				ND	U
113 Anthracene	178		12.820				ND	
121 Fluoranthene	202		14.260				ND	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	638718	5.00	
124 Pyrene	202	14.563	14.563	-0.006	95	2586	0.0147	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	1981117	20.4	
132 Benzo[a]anthracene	228		16.475				ND	
134 Chrysene	228		16.533				ND	
138 Benzo[b]fluoranthene	252		18.270				ND	
140 Benzo[k]fluoranthene	252		18.322				ND	
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.858	18.864	-0.006	96	539578	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0164.D

Injection Date: 06-Jul-2020 17:47:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-18-A

Lab Sample ID: 410-6533-18

Worklist Smp#: 15

Client ID: MW-12S-20200701

Injection Vol: 1.0 ul

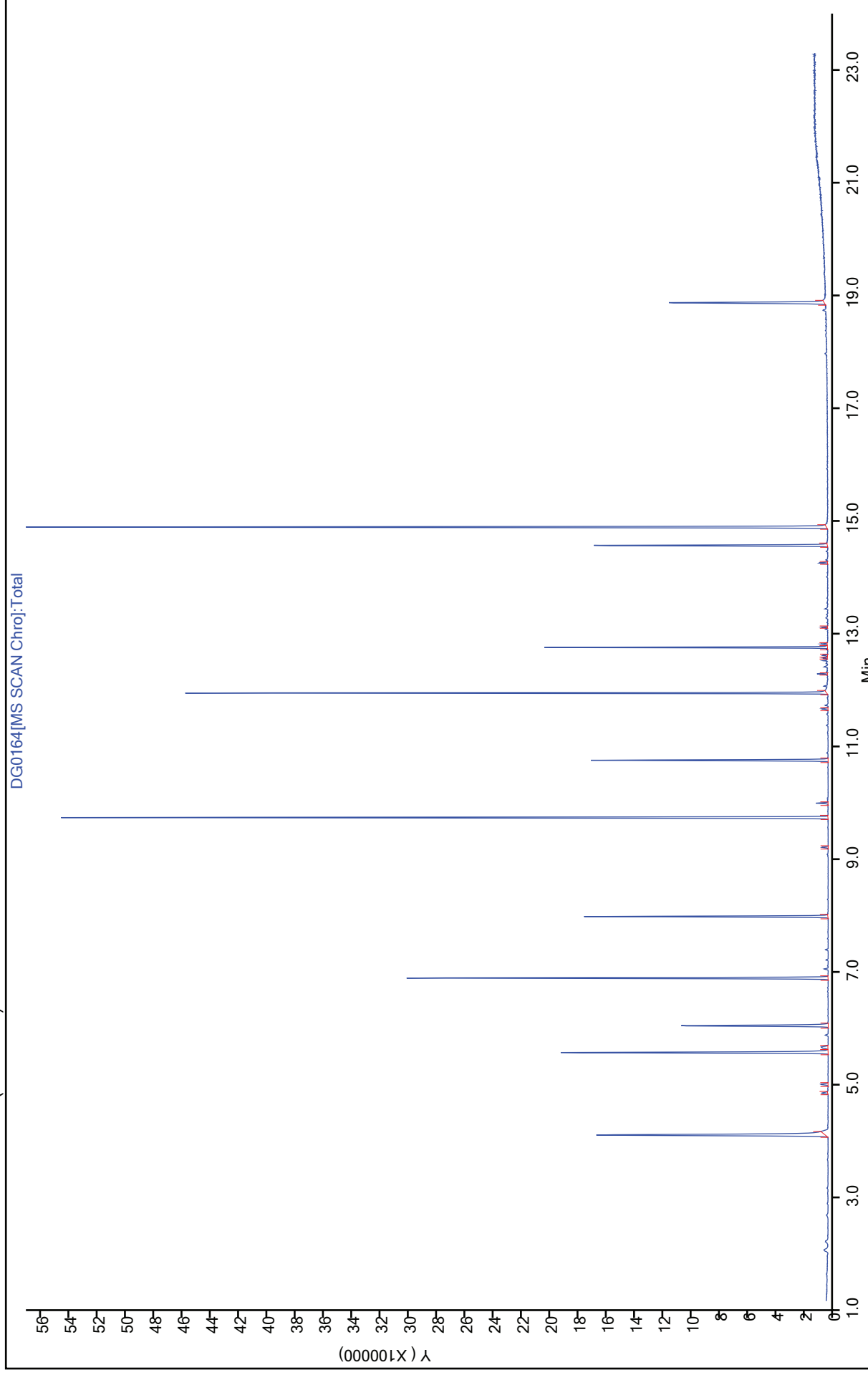
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0164.D

Injection Date: 06-Jul-2020 17:47:30

Instrument ID: HP19760

Lims ID: 410-6533-D-18-A

Lab Sample ID: 410-6533-18

Client ID: MW-12S-20200701

Operator ID: em10340

ALS Bottle#:

15

Worklist Smp#: 15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

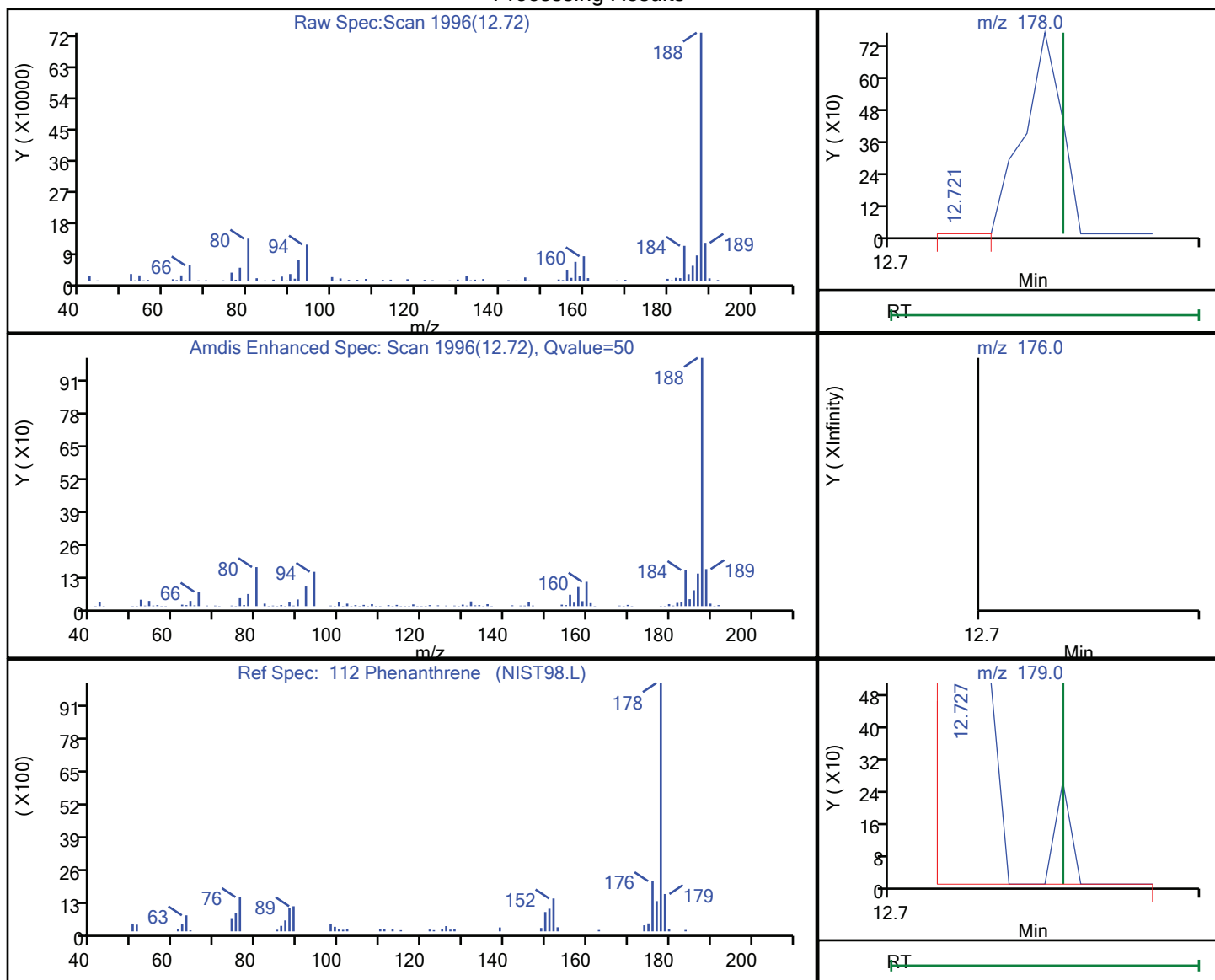
Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
12.72	178.00	388	0.002456
12.76	176.00	0	
12.73	179.00	698	

Reviewer: williamss, 06-Jul-2020 19:37:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-12D-20200701 Lab Sample ID: 410-6533-19

Matrix: Ground Water Lab File ID: DG0165.D

Analysis Method: 8270D Date Collected: 07/01/2020 13:17

Extract. Method: 3510C Date Extracted: 07/04/2020 07:28

Sample wt/vol: 247(mL) Date Analyzed: 07/06/2020 18:16

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	60		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	87		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0165.D
 Lims ID: 410-6533-D-19-A
 Client ID: MW-12D-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 18:16:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-19-A
 Misc. Info.: 410-0004873-016
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:38:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	219625	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.846	-0.011	90	1161931	15.1	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	99	838914	5.00	
45 Naphthalene	128		7.971				ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.696	9.696	-0.006	100	1720647	15.1	
75 Acenaphthylene	152		10.489				ND	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	97	367991	5.00	
78 Acenaphthene	153		10.774				ND	
89 Fluorene	166		11.590				ND	
* 110 Phenanthrene-d10	188	12.721	12.727	-0.006	97	660088	5.00	
112 Phenanthrene	178		12.756				ND	U
113 Anthracene	178		12.820				ND	
121 Fluoranthene	202		14.260				ND	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	610986	5.00	
124 Pyrene	202		14.569				ND	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	2019540	21.8	
132 Benzo[a]anthracene	228		16.475				ND	
134 Chrysene	228		16.533				ND	
138 Benzo[b]fluoranthene	252		18.270				ND	
140 Benzo[k]fluoranthene	252		18.322				ND	
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.858	18.864	-0.006	96	501651	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0165.D

Injection Date: 06-Jul-2020 18:16:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: 410-6533-D-19-A

Lab Sample ID: 410-6533-19

Worklist Smp#: 16

Client ID: MW-12D-20200701

Injection Vol: 1.0 ul

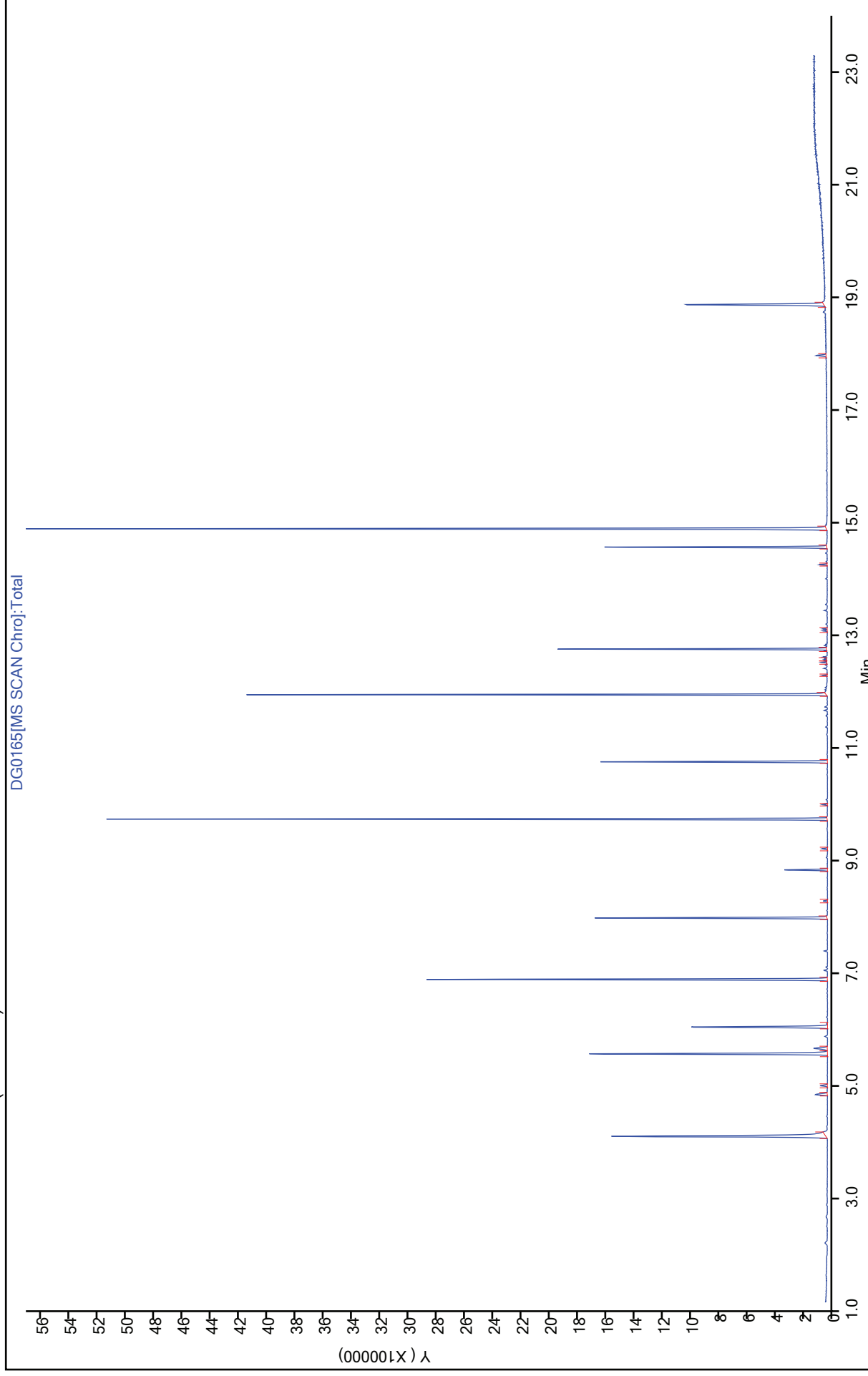
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0165.D

Injection Date: 06-Jul-2020 18:16:30

Instrument ID: HP19760

Lims ID: 410-6533-D-19-A

Lab Sample ID: 410-6533-19

Client ID: MW-12D-20200701

Operator ID: em10340

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

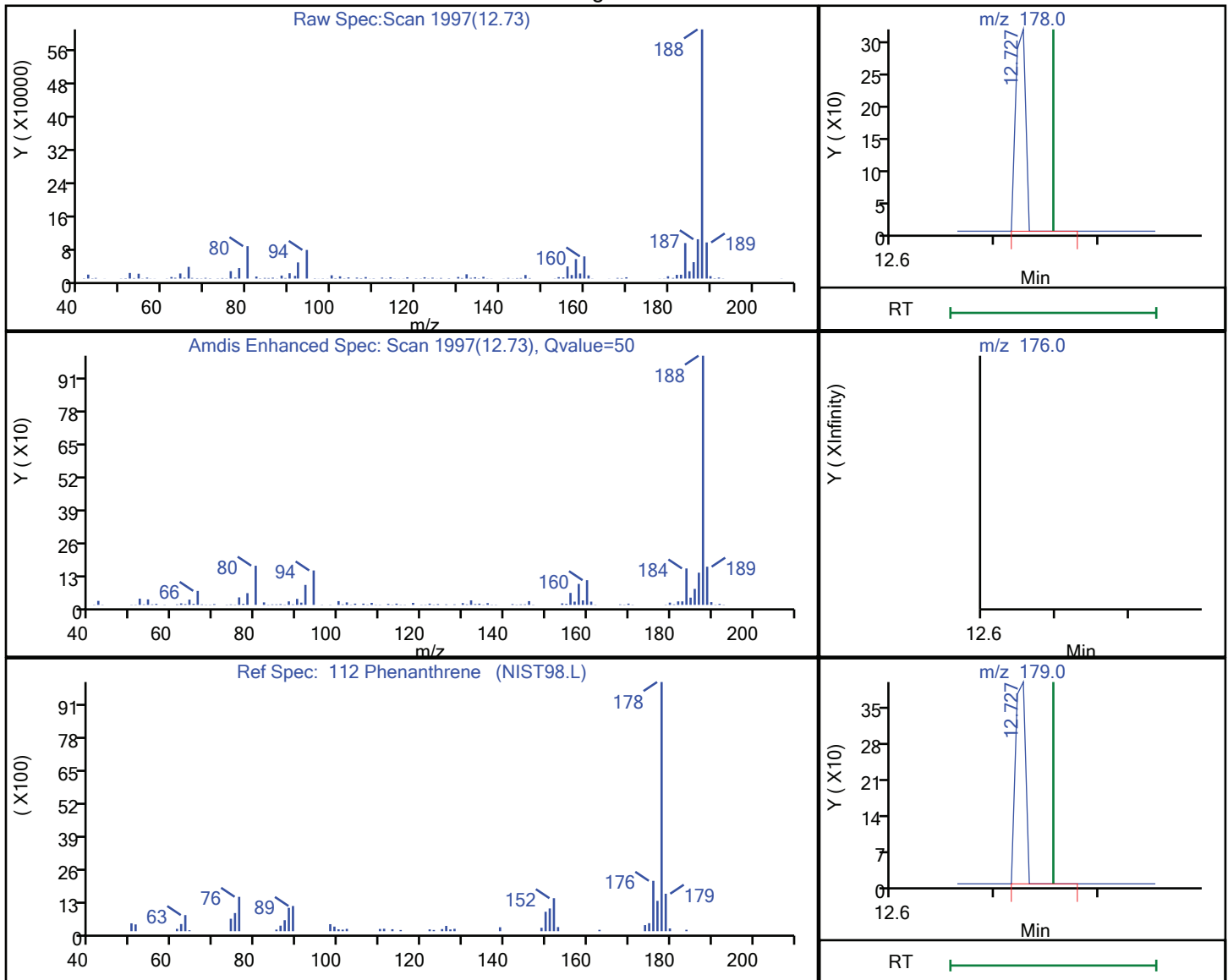
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
12.73	178.00	210	0.001400
12.76	176.00	0	
12.73	179.00	267	

Reviewer: williamss, 06-Jul-2020 19:38:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: DUP-20200701 Lab Sample ID: 410-6533-20
 Matrix: Ground Water Lab File ID: DG0202.D
 Analysis Method: 8270D Date Collected: 07/01/2020 00:00
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:28
 Sample wt/vol: 245(mL) Date Analyzed: 07/06/2020 23:48
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 19744 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	13		0.51	0.10
208-96-8	Acenaphthylene	1.2		0.51	0.10
120-12-7	Anthracene	0.34	J	0.51	0.10
56-55-3	Benzo[a]anthracene	1.2		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	0.77		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	5.2		0.51	0.10
86-73-7	Fluorene	2.3		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	45		0.51	0.10
85-01-8	Phenanthrene	0.40	J	0.51	0.10
129-00-0	Pyrene	8.3		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	24	X	44-102
4165-60-0	Nitrobenzene-d5 (Surr)	21	X	38-113
1718-51-0	p-Terphenyl-d14 (Surr)	38		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D
 Lims ID: 410-6533-D-20-A
 Client ID: DUP-20200701
 Sample Type: Client
 Inject. Date: 06-Jul-2020 23:48:30 ALS Bottle#: 3 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-20-A
 Misc. Info.: 410-0004927-017
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 07-Jul-2020 08:32:31 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1052

First Level Reviewer: monbornee

Date: 07-Jul-2020 08:27:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	224584	5.00	
\$ 33 Nitrobenzene-d5	82	6.840	6.851	-0.011	90	413934	5.30	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	99	854652	5.00	
45 Naphthalene	128	7.971	7.971	0.000	98	2117691	11.1	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.702	9.702	0.000	100	716893	6.14	
75 Acenaphthylene	152	10.483	10.489	-0.006	98	43307	0.2829	
* 77 Acenaphthene-d10	164	10.716	10.722	-0.006	97	376831	5.00	
78 Acenaphthene	153	10.768	10.774	-0.006	96	323978	3.07	
89 Fluorene	166	11.584	11.590	-0.006	97	61825	0.5536	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	98	680973	5.00	
112 Phenanthrene	178	12.750	12.756	-0.006	98	14980	0.0968	
113 Anthracene	178	12.808	12.814	-0.006	94	13083	0.0844	
121 Fluoranthene	202	14.254	14.260	-0.006	98	222079	1.26	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	629231	5.00	
124 Pyrene	202	14.563	14.569	-0.006	97	351012	2.02	
\$ 125 p-Terphenyl-d14	244	14.866	14.872	-0.006	98	919085	9.63	
132 Benzo[a]anthracene	228	16.469	16.475	-0.006	98	39559	0.2921	
134 Chrysene	228	16.527	16.533	-0.006	98	26670	0.1874	
138 Benzo[b]fluoranthene	252		18.270				ND	
140 Benzo[k]fluoranthene	252		18.322				ND	
141 Benzo[a]pyrene	252		18.777				ND	
* 142 Perylene-d12	264	18.858	18.864	-0.006	96	528560	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444				ND	
147 Dibenzo(a,h)anthracene	278		20.496				ND	
148 Benzo[g,h,i]perylene	276		20.794				ND	

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Worklist Smp#: 17

Client ID: DUP-20200701

Injection Vol: 1.0 ul

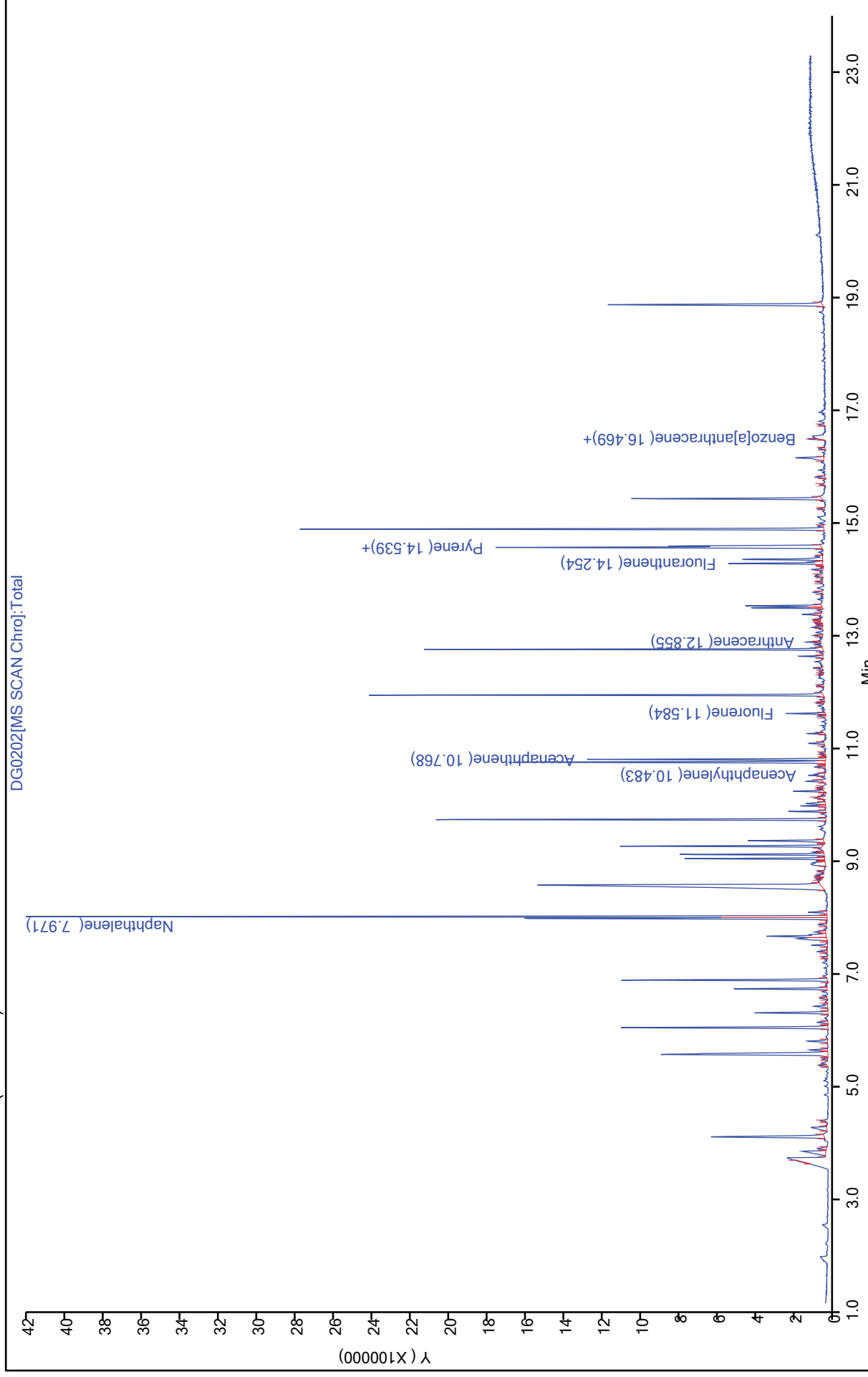
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

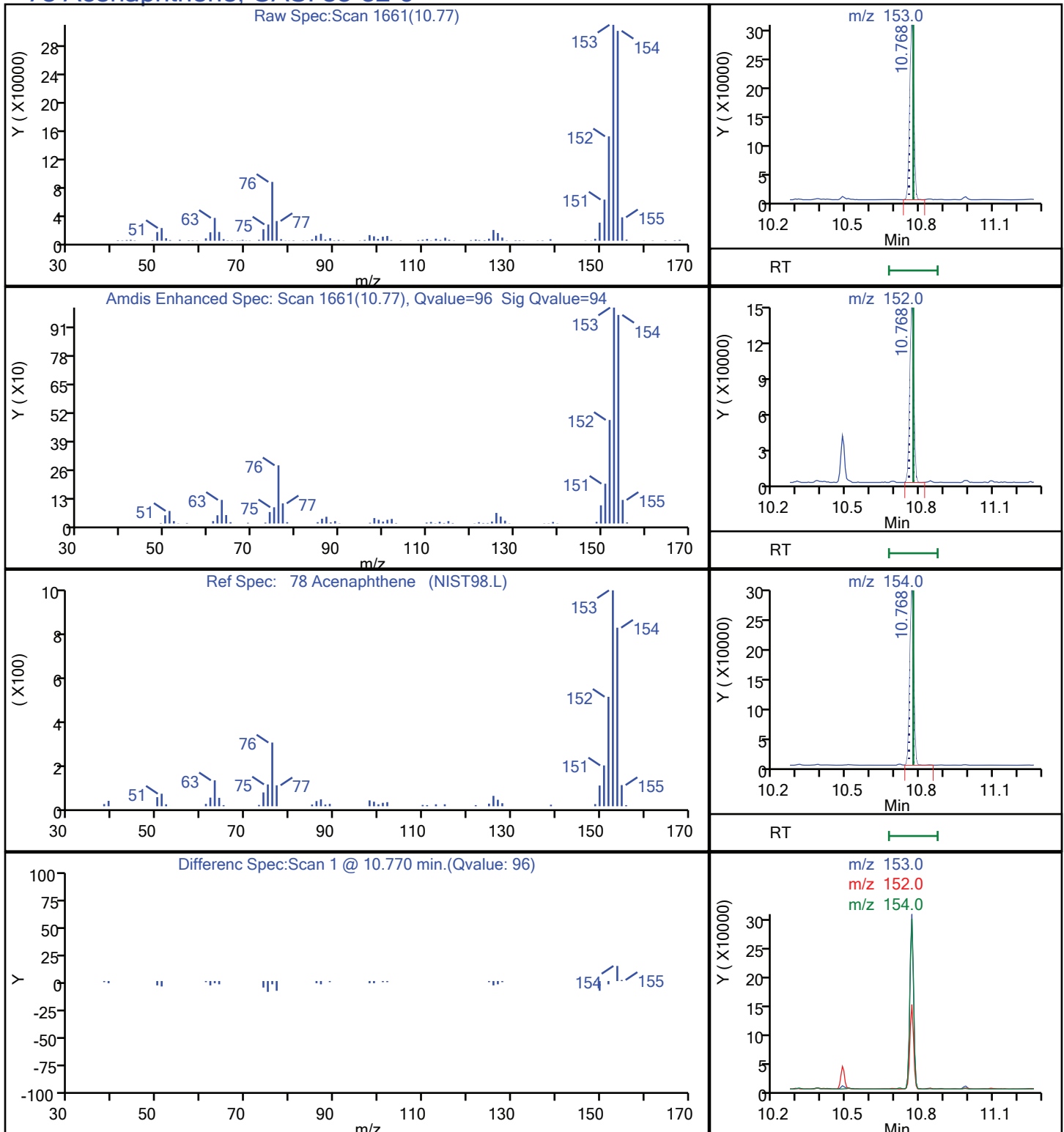
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

78 Acenaphthene, CAS: 83-32-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

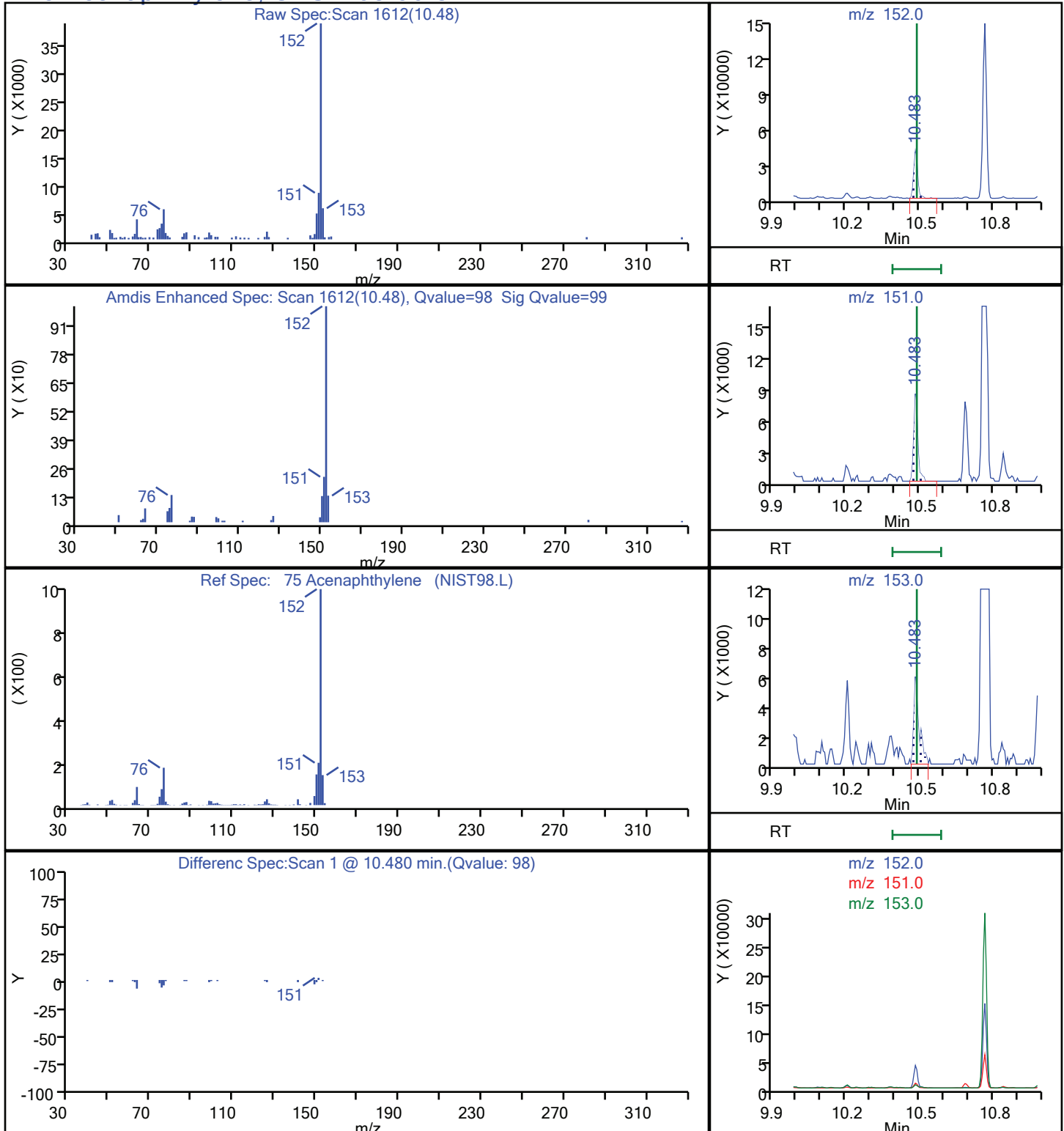
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

75 Acenaphthylene, CAS: 208-96-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

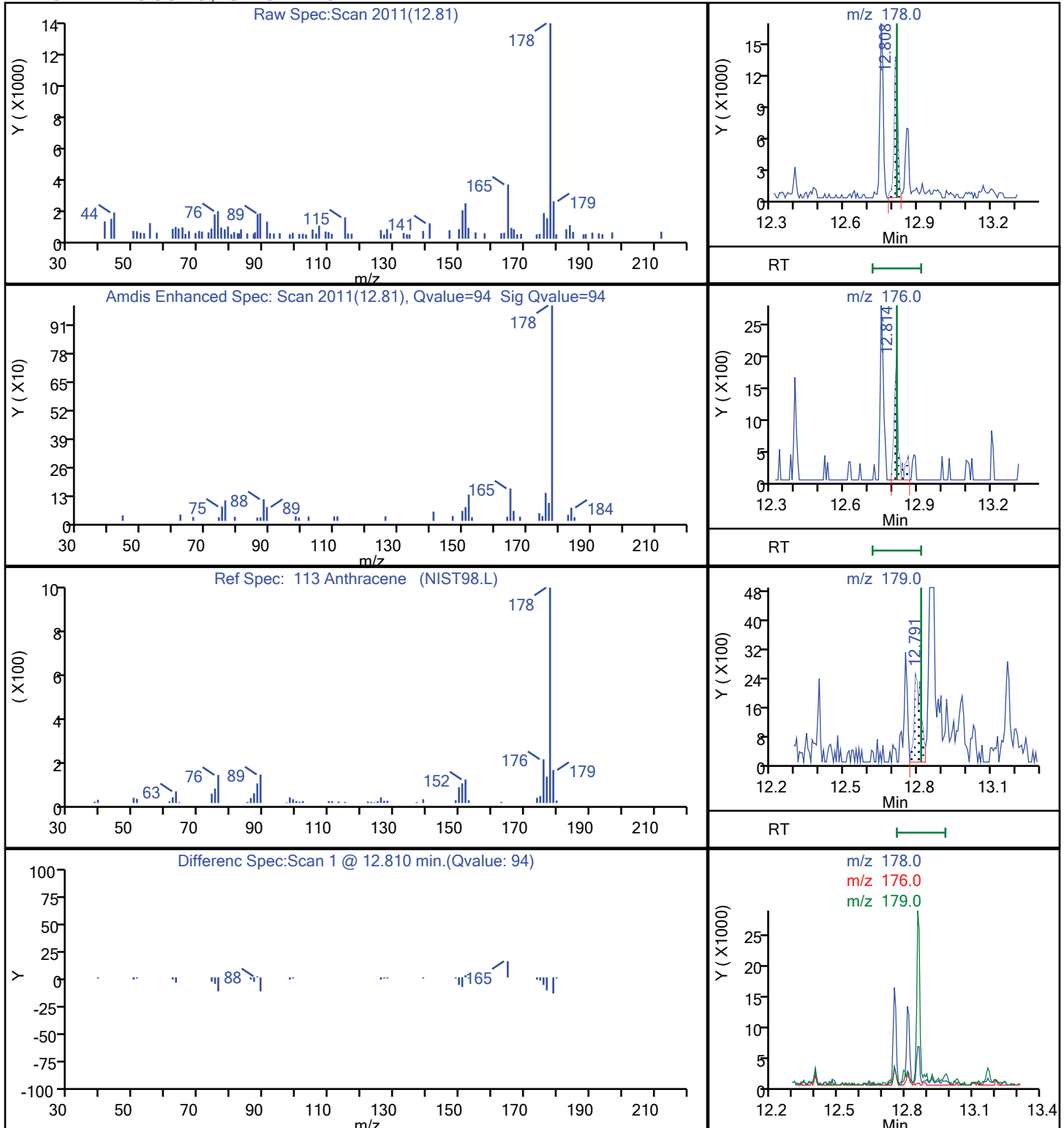
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

113 Anthracene, CAS: 120-12-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

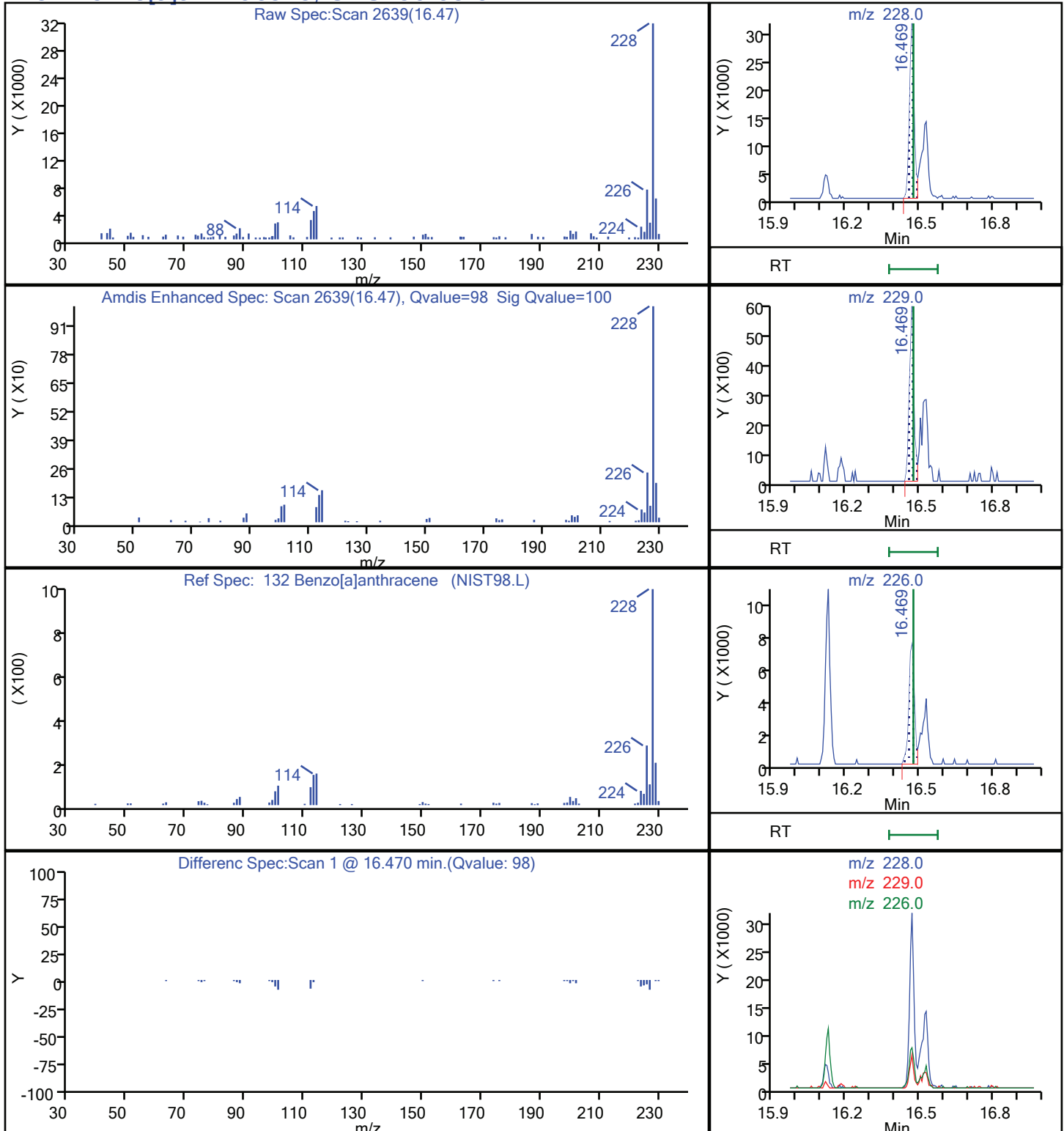
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

132 Benzo[a]anthracene, CAS: 56-55-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

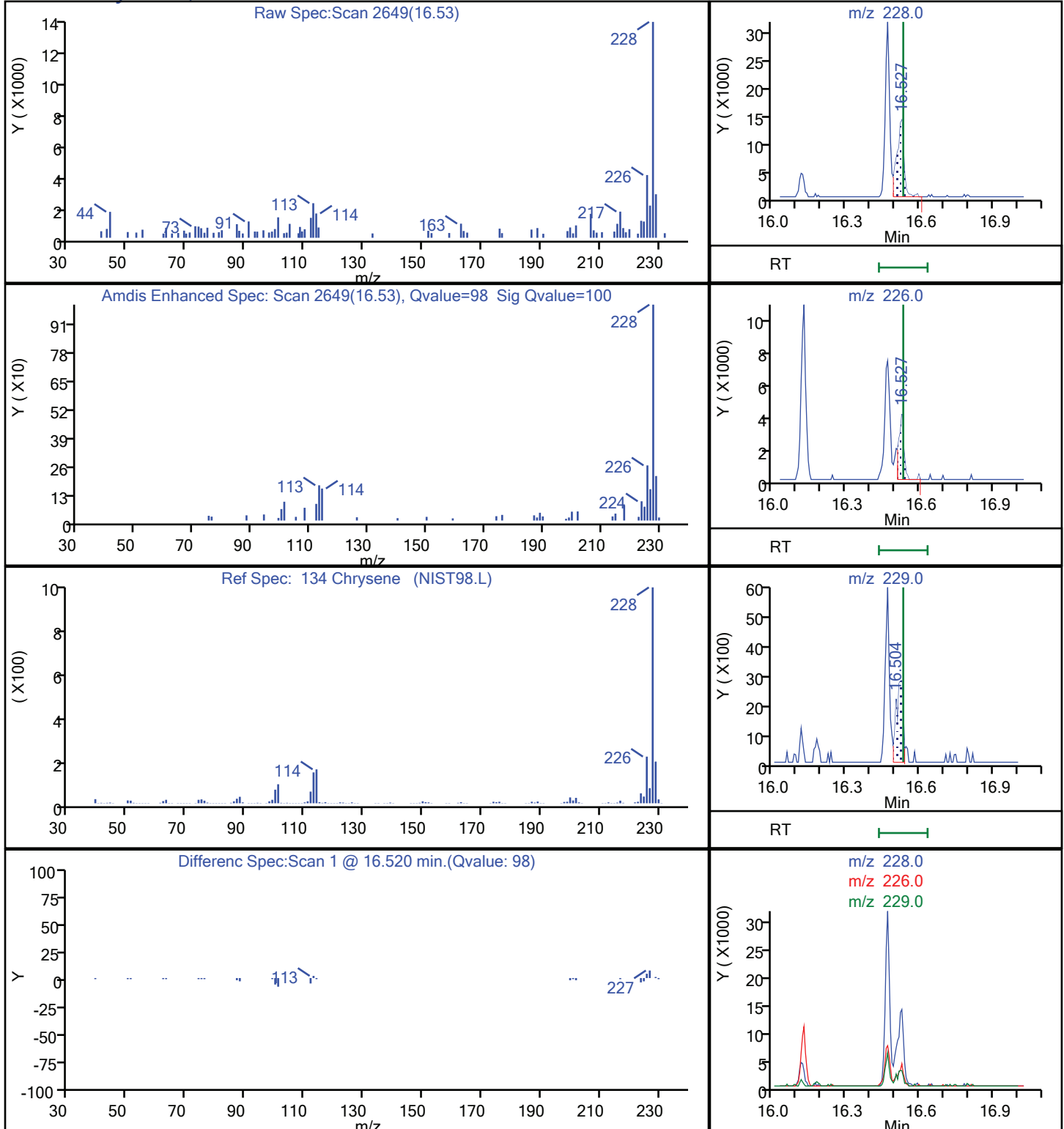
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

134 Chrysene, CAS: 218-01-9

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

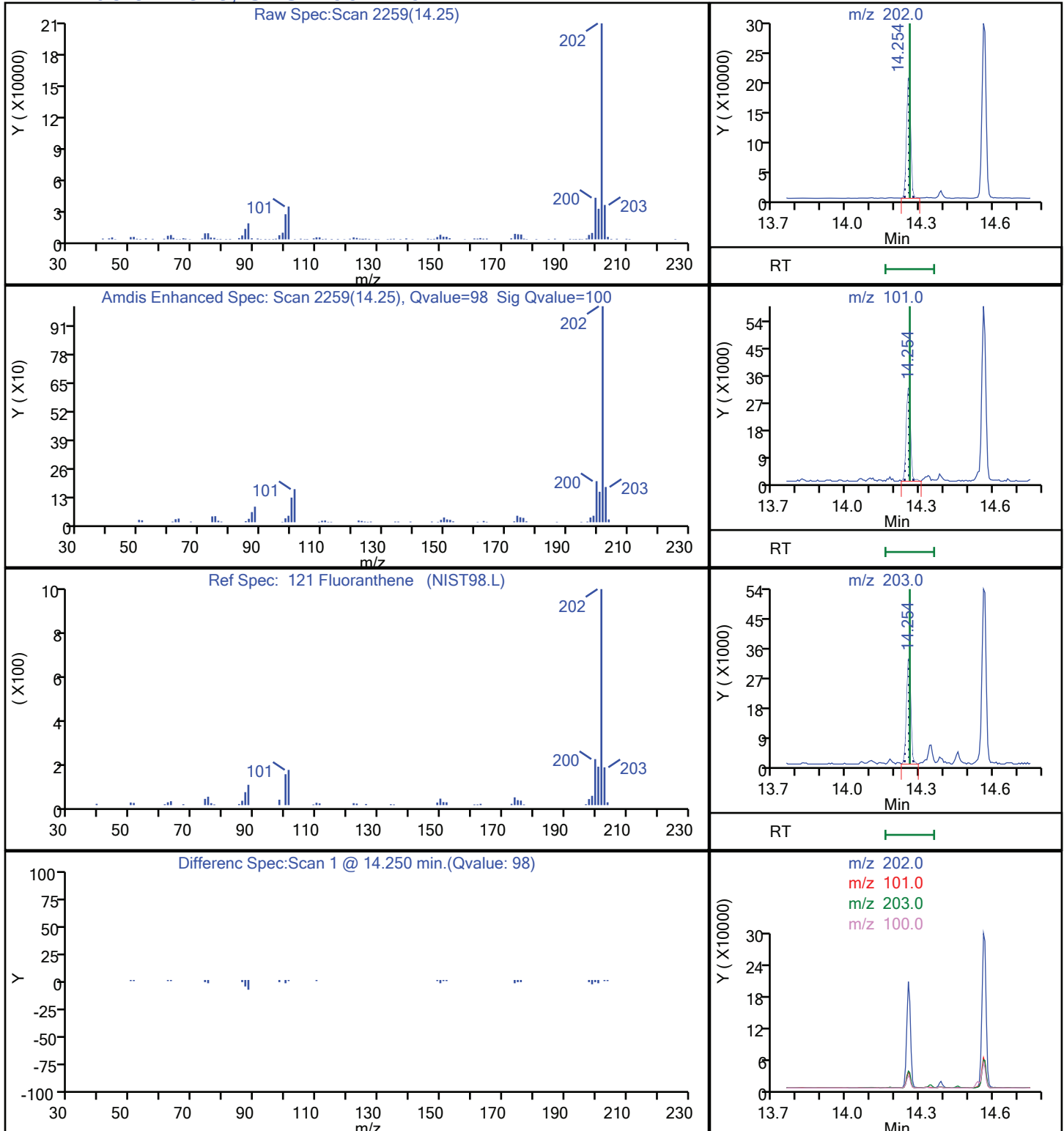
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

121 Fluoranthene, CAS: 206-44-0

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

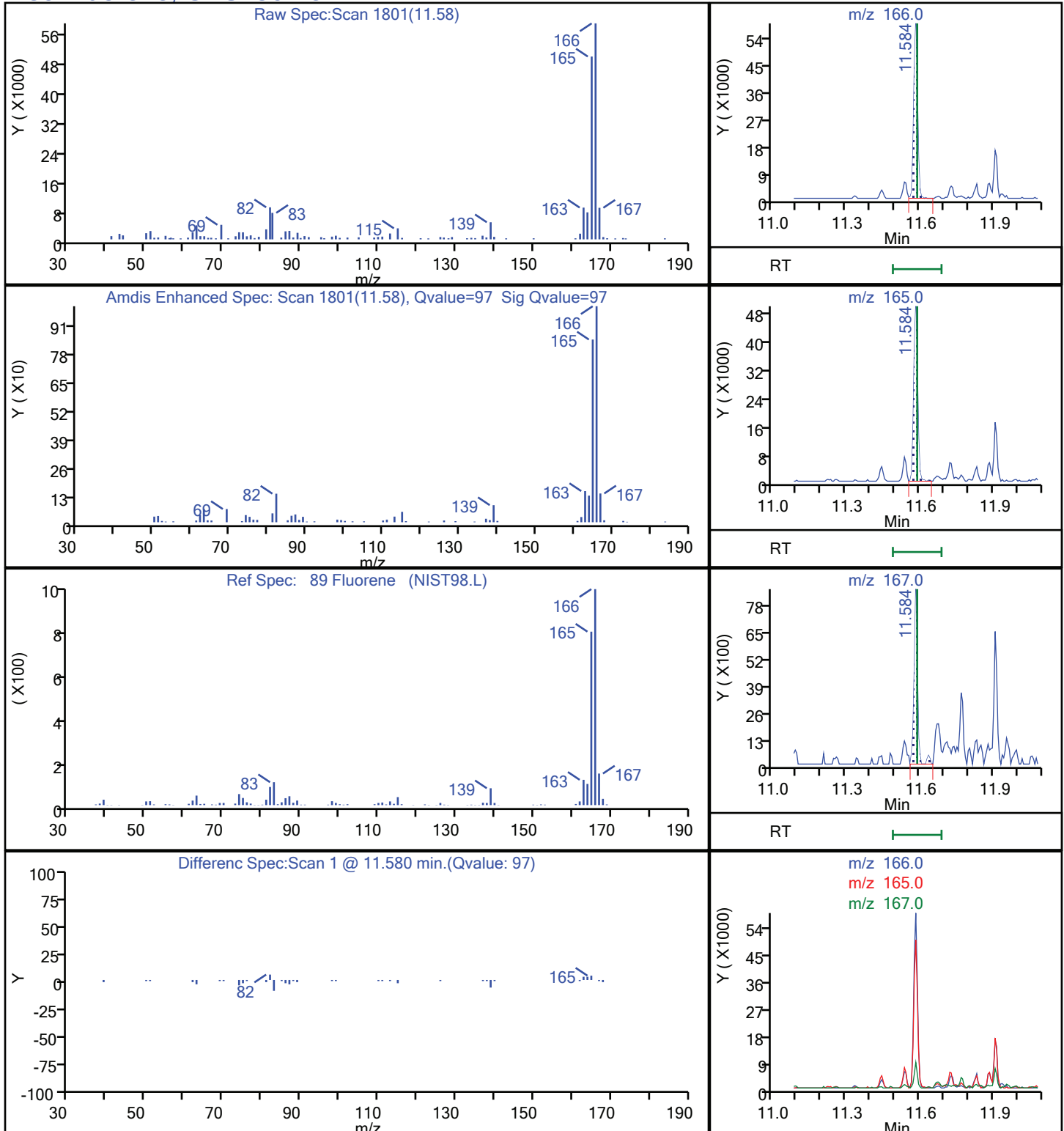
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

89 Fluorene, CAS: 86-73-7

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

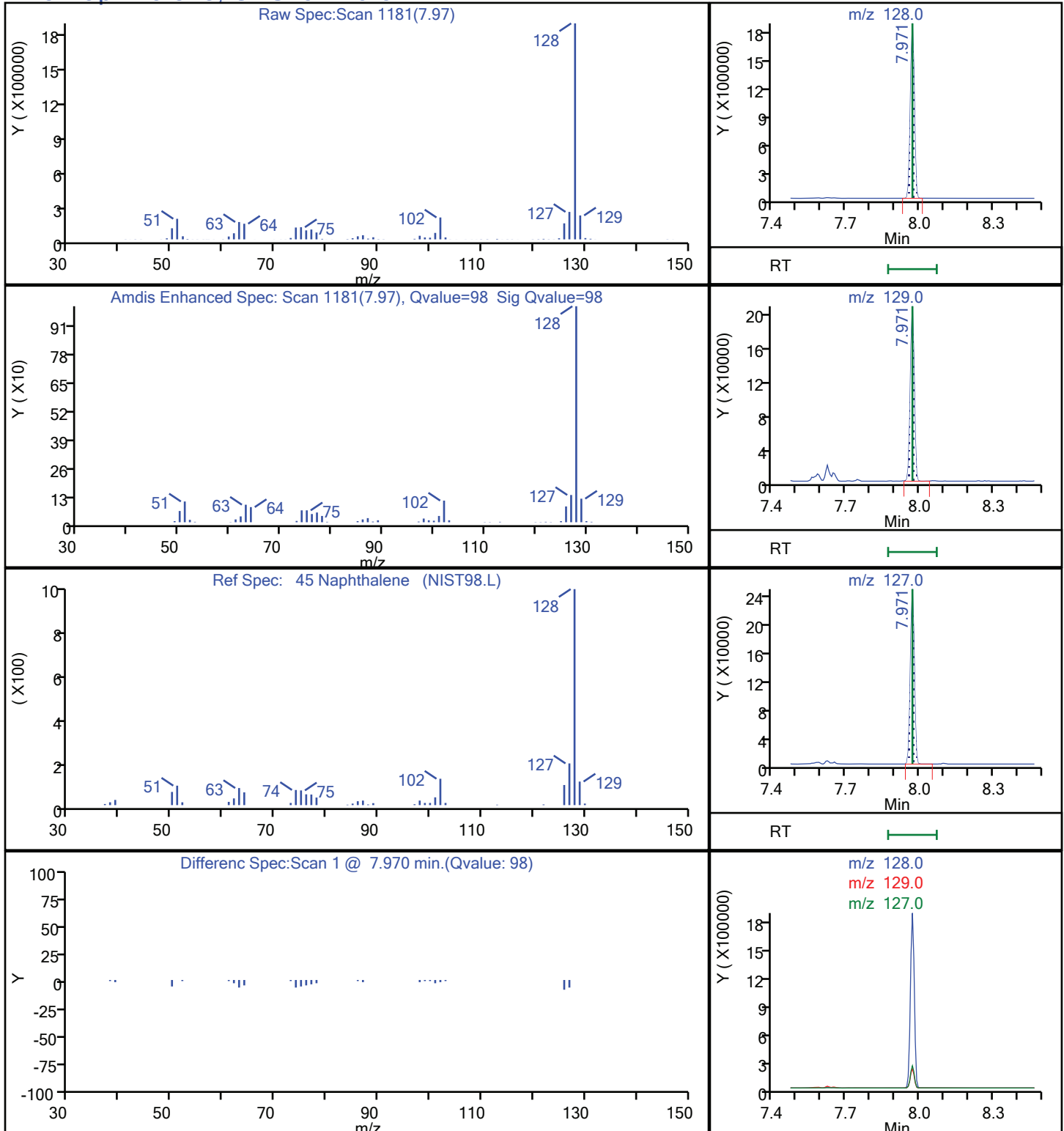
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

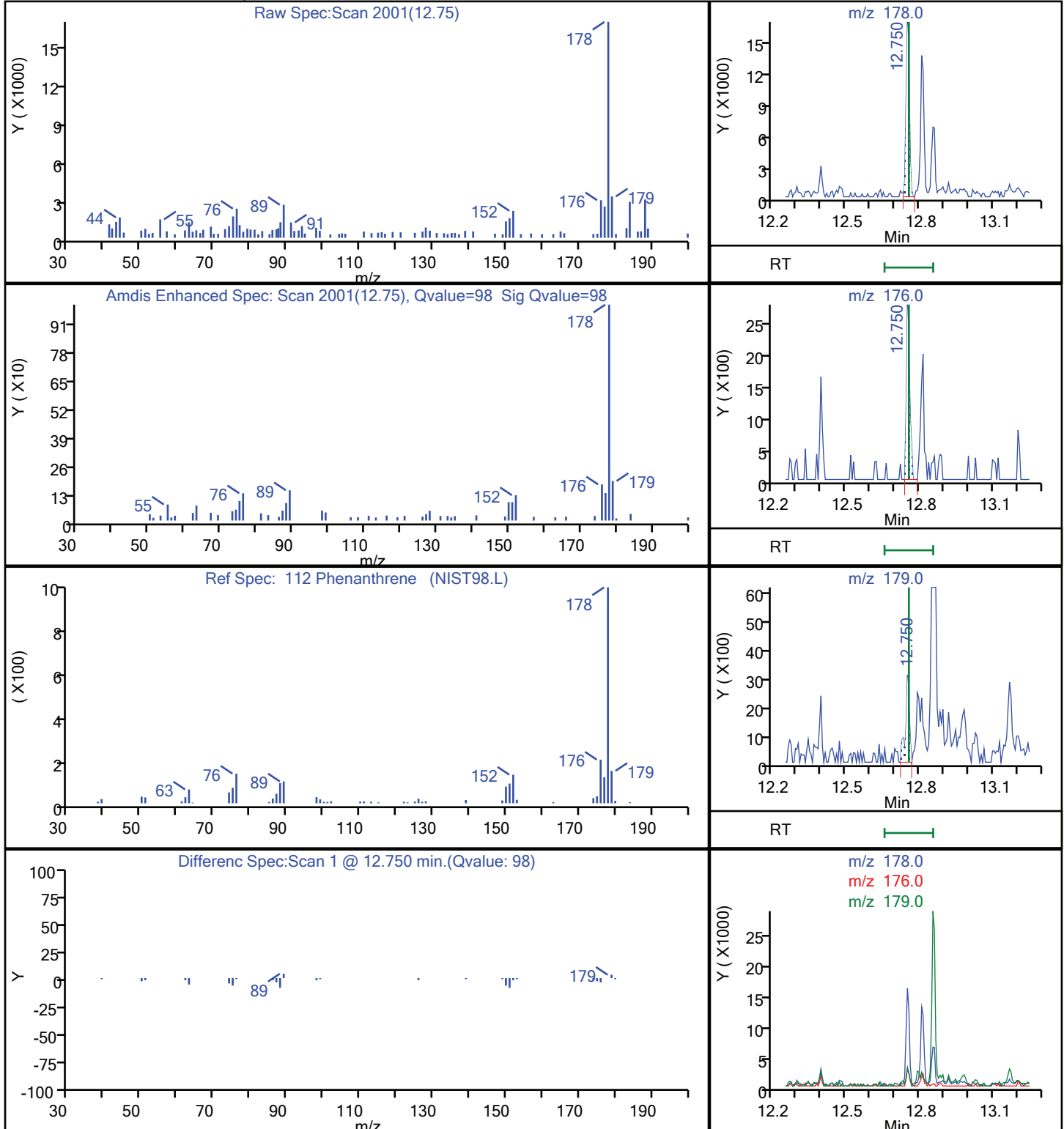
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0202.D

Injection Date: 06-Jul-2020 23:48:30

Instrument ID: HP19760

Lims ID: 410-6533-D-20-A

Lab Sample ID: 410-6533-20

Client ID: DUP-20200701

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 17

Injection Vol: 1.0 ul

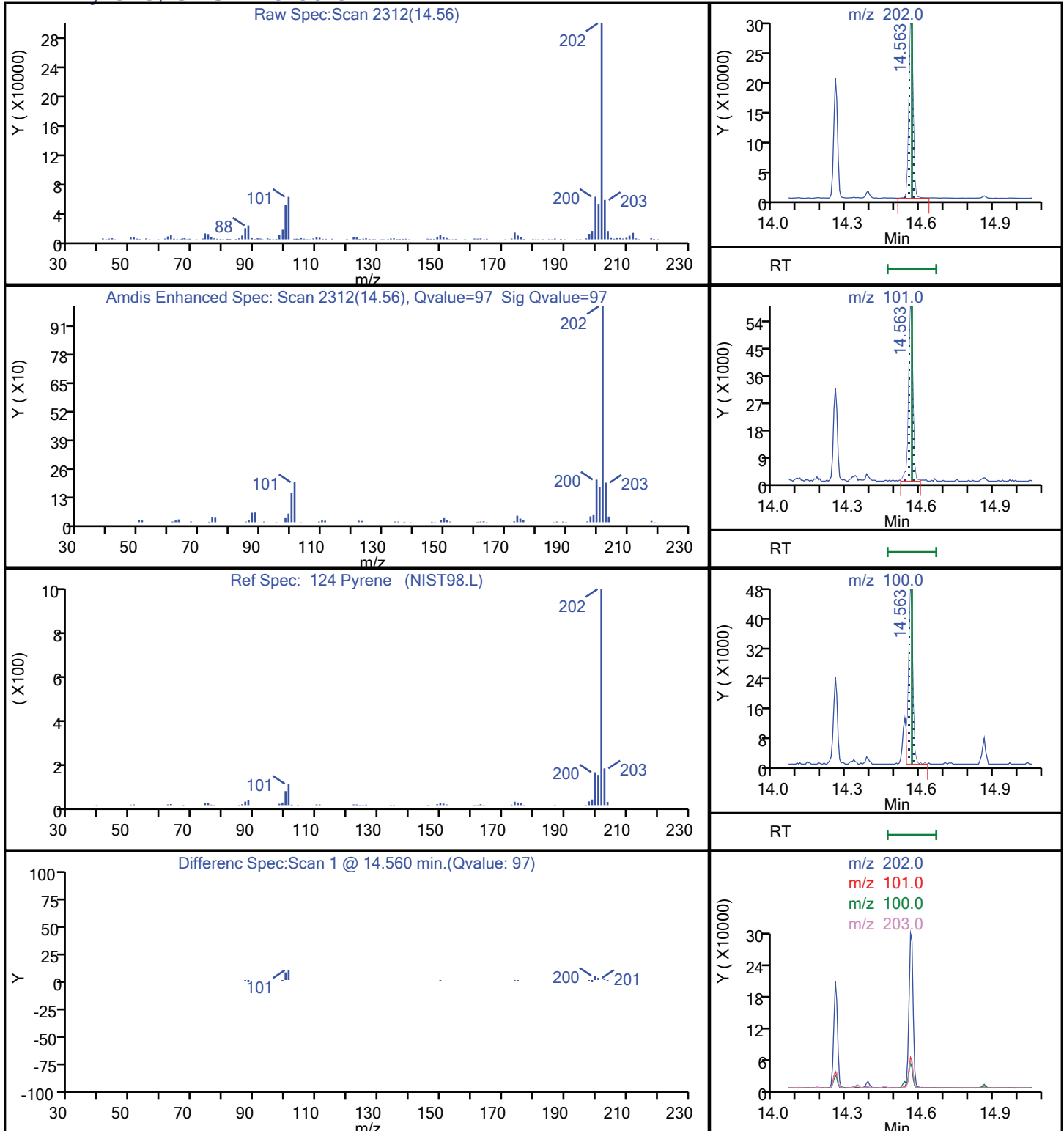
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

124 Pyrene, CAS: 129-00-0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557

SDG No.: Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-10557/3	DD0632.D
Level 2	IC 410-10557/9	DD0638.D
Level 3	IC 410-10557/8	DD0637.D
Level 4	IC 410-10557/7	DD0636.D
Level 5	ICIS 410-10557/2	DD0631.D
Level 6	IC 410-10557/6	DD0635.D
Level 7	IC 410-10557/5	DD0634.D
Level 8	IC 410-10557/4	DD0633.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5			B	M1	M2								
1,4-Dioxane	++++ 0.6648	++++ 0.6908	0.6192 0.7182	0.6458	0.6865		Ave		0.6709				5.3		20.0			
N-Nitrosodimethylamine	++++ 1.0202	++++ 1.0886	1.0287 1.1067	1.0572	1.0399		Ave		1.0569				3.3		20.0			
Pyridine	++++ 1.7528	++++ 1.8852	1.7960 1.9150	1.8489	1.8408		Ave		1.8398				3.2		20.0			
2-Picoline	++++ 1.8008	++++ 1.9190	1.8440 1.9223	1.8698	1.8311		Ave		1.8645				2.6		20.0			
N-Nitrosomethylethylamine	++++ 0.7679	++++ 0.8227	0.7841 0.8342	0.8032	0.7842		Ave		0.7994				3.2		20.0			
Methyl methanesulfonate	++++ 0.8128	++++ 0.8860	0.8386 0.8901	0.8537	0.8564		Ave		0.8563				3.4		20.0			
N-Nitrosodiethylamine	++++ 0.7415	0.6777 0.7956	0.7523 0.7961	0.7699	0.7620		Ave		0.7565				5.3		20.0			
Ethyl methanesulfonate	++++ 0.7815	0.7473 0.8413	0.7793 0.8235	0.8076	0.7975		Ave		0.7969				3.9		20.0			
Benzaldehyde	++++ 1.3088	++++ 1.2957	1.1498 1.1376	1.2262	1.2072		Ave		1.2209			0.0100	5.9		20.0			
Phenol	++++ 1.9887	2.0224 2.0898	2.1060 2.0237	2.0938	2.0438		Ave		2.0526			0.8000	2.2		20.0			
Aniline	++++ 2.4780	2.3636 2.6476	2.5082 2.5717	2.6300	2.5480		Ave		2.5353				3.8		20.0			
Bis(2-chloroethyl)ether	++++ 1.6559	1.7176 1.7335	1.7577 1.6785	1.7659	1.7085		Ave		1.7168			0.7000	2.3		20.0			
2-Chlorophenol	++++ 1.4525	1.4161 1.5132	1.4959 1.4683	1.5430	1.4887		Ave		1.4825			0.8000	2.8		20.0			
1,3-Dichlorobenzene	++++ 1.4706	1.5106 1.5346	1.5398 1.4983	1.5705	1.5245		Ave		1.5213				2.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4		LVL 5	B	M1								
1,4-Dichlorobenzene	++++ 1.4973	1.4600 1.5542	1.6003 1.5198	1.6008	1.5459	Ave		1.5398			3.4		20.0			
Benzyl alcohol	++++ 0.9497	++++ 1.0180	0.9457 0.9593	1.0019	0.9573	Ave		0.9720			3.1		20.0			
1,2-Dichlorobenzene	++++ 1.4093	1.4089 1.4853	1.5103 1.4308	1.5384	1.4481	Ave		1.4616			3.5		20.0			
2-Methylphenol	++++ 1.3477	1.2909 1.4298	1.4009 1.3726	1.4472	1.3731	Ave		1.3803		0.7000	3.8		20.0			
Indene	++++ 2.2092	++++ 2.3181	2.1716 2.1288	2.2981	2.2564	Ave		2.2304			3.3		20.0			
2,2'-oxybis[1-chloropropane]	++++ 2.1332	2.2791 2.2529	2.2210 2.1808	2.3433	2.2134	Ave		2.2320		0.0100	3.1		20.0			
N-Nitrosopyrrolidine	++++ 0.7660	0.7288 0.8177	0.7851 0.7926	0.8036	0.8029	Ave		0.7852			3.8		20.0			
Acetophenone	++++ 2.0277	1.9514 2.0224	2.1346 1.9542	2.0967	2.0283	Ave		2.0308		0.0100	3.3		20.0			
4-Methylphenol (and/or 3-Methylphenol)	++++ 1.3995	1.4109 1.4534	1.4729 1.3835	1.5245	1.4505	Ave		1.4422		0.6000	3.4		20.0			
N-Nitrosodi-n-propylamine	++++ 1.1251	1.1504 1.1731	1.1780 1.1133	1.2142	1.1522	Ave		1.1580		0.5000	2.9		20.0			
N-Nitrosomorpholine	++++ 1.0306	++++ 1.0761	1.1182 1.0315	1.1183	1.0730	Ave		1.0746			3.6		20.0			
o-Toluidine	++++ 2.2767	2.2604 2.3718	2.4550 2.2704	2.4747	2.3612	Ave		2.3529			3.8		20.0			
Hexachloroethane	++++ 0.6340	++++ 0.6569	0.6771 0.6318	0.6829	0.6477	Ave		0.6551		0.3000	3.3		20.0			
Nitrobenzene	++++ 0.4584	0.4604 0.4496	0.4821 0.4392	0.4814	0.4556	Ave		0.4610		0.2000	3.4		20.0			
N-Nitrosopiperidine	++++ 0.2056	0.2014 0.2047	0.2071 0.2033	0.2123	0.2044	Ave		0.2055			1.7		20.0			
Isophorone	++++ 0.8350	0.7747 0.8303	0.8368 0.8203	0.8685	0.8419	Ave		0.8296		0.4000	3.4		20.0			
2-Nitrophenol	++++ 0.2032	++++ 0.2045	0.1915 0.2049	0.2038	0.1997	Ave		0.2013		0.1000	2.5		20.0			
2,4-Dimethylphenol	++++ 0.3941	0.3720 0.3929	0.4027 0.3913	0.4022	0.3983	Ave		0.3934		0.2000	2.6		20.0			
o,o',o''-Triethylphosphorothioate	++++ 0.1666	++++ 0.1672	0.1723 0.1647	0.1750	0.1697	Ave		0.1692			2.3		20.0			
Benzoic acid	++++ 0.2652	++++ 0.2439	0.1898 0.2856	0.2436	0.2595	Ave		0.2479			13.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	RRF								CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B	M1	M2												
Bis (2-chloroethoxy) methane	++++ 0.5289	0.5363 0.5147	0.5280 0.4955	0.5555	0.5308	Ave			0.5271			0.3000	3.5		20.0					
2,4-Dichlorophenol	++++ 0.2971	0.2814 0.2944	0.2993 0.2929	0.3127	0.2963	Ave			0.2963			0.2000	3.1		20.0					
1,2,4-Trichlorobenzene	++++ 0.3044	0.3011 0.3046	0.3098 0.2954	0.3181	0.3080	Ave			0.3059				2.3		20.0					
Naphthalene	1.1773 1.0970	1.0968 1.0644	1.1760 1.0254	1.1546	1.1049	Ave			1.1121			0.7000	4.9		20.0					
4-Chloroaniline	++++ 0.4525	0.4279 0.4416	0.4616 0.4305	0.4677	0.4515	Ave			0.4476			0.0100	3.4		20.0					
2,6-Dichlorophenol	++++ 0.2818	0.2591 0.2748	0.2859 0.2700	0.2952	0.2850	Ave			0.2788				4.3		20.0					
Hexachloropropene	++++ 0.1895	++++ 0.1906	0.1817 0.1908	0.1919	0.1939	Ave			0.1897				2.2		20.0					
Hexachlorobutadiene	++++ 0.1626	0.1553 0.1598	0.1686 0.1584	0.1670	0.1660	Ave			0.1625			0.0100	3.0		20.0					
Quinoline	++++ 0.6972	++++ 0.6929	0.7371 0.6713	0.7330	0.7033	Ave			0.7058				3.6		20.0					
Caprolactam	++++ 0.1304	++++ 0.1284	0.1267 0.1280	0.1248	0.1230	Ave			0.1269			0.0100	2.1		20.0					
N-Nitrosodi-n-butylamine	++++ 0.2882	++++ 0.3623	0.2850 0.3578	0.2972	0.2892	Ave			0.3133				11.6		20.0					
4-Chloro-3-methylphenol	++++ 0.3329	0.2946 0.3304	0.3401 0.3248	0.3456	0.3375	Ave			0.3294			0.2000	5.1		20.0					
Safrrole, Total	++++ 0.2664	++++ 0.2660	0.2651 0.2603	0.2749	0.2663	Ave			0.2665				1.8		20.0					
2-Methylnaphthalene	0.7098 0.7009	0.6735 0.6905	0.7289 0.6745	0.7352	0.7047	Ave			0.7022			0.4000	3.2		20.0					
1-Methylnaphthalene	0.7055 0.6594	0.6204 0.6514	0.7124 0.6305	0.6884	0.6673	Ave			0.6669				5.0		20.0					
Hexachlorocyclopentadiene	++++ 0.3844	++++ 0.3772	0.3513 0.3823	0.3697	0.3884	Ave			0.3755			0.0500	3.6		20.0					
1,2,4,5-Tetrachlorobenzene	++++ 0.6159	0.5776 0.5956	0.6282 0.5930	0.6280	0.6272	Ave			0.6094			0.0100	3.4		20.0					
Isosafrole Peak 1	++++ 0.6719	++++ 0.6744	0.6397 0.6670	0.6534	0.6532	Ave			0.6599				2.0		20.0					
2,4,6-Trichlorophenol	++++ 0.4365	0.4045 0.4311	0.3956 0.4315	0.4284	0.4391	Ave			0.4238			0.2000	4.0		20.0					
2,4,5-Trichlorophenol	++++ 0.4546	0.3774 0.4547	0.4372 0.4482	0.4563	0.4680	Ave			0.4424			0.2000	6.8		20.0					

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557
SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	RRF								CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	R^2 OR COD	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	B		M1		M2											
	LVL 6	LVL 7	LVL 8																		
Isosafrole Peak 2	++++ 0.6906	++++ 0.6806	0.6568 0.6788	0.6967	0.6948	Ave		0.6831				2.2		20.0							
1,1'-Biphenyl	++++ 1.8744	1.6742 1.7452	1.8847 1.6788	1.8759	1.8548	Ave		1.7983			0.0100	5.3		20.0							
2-Chloronaphthalene	++++ 1.3608	1.4084 1.2756	1.4372 1.2792	1.4138	1.3909	Ave		1.3665			0.8000	4.8		20.0							
1-Chloronaphthalene	++++ 1.2653	1.2334 1.2705	1.3091 1.2333	1.3664	1.3073	Ave		1.2836				3.7		20.0							
Diphenyl ether	++++ 0.9585	0.9148 0.9227	0.9896 0.9185	0.9894	0.9687	Ave		0.9517				3.5		20.0							
2-Nitroaniline	++++ 0.4824	0.3891 0.4750	0.4784 0.4792	0.4947	0.4845	Ave		0.4690			0.0100	7.6		20.0							
1,4-Naphthoquinone	++++ 0.5814	++++ 0.5705	0.5262 0.5770	0.5869	0.5873	Ave		0.5716				4.0		20.0							
1,4-Dinitrobenzene	++++ 0.2575	++++ 0.2544	0.2278 0.2628	0.2511	0.2492	Ave		0.2505				4.8		20.0							
Dimethyl phthalate	++++ 1.4530	++++ 1.4488	1.4857 1.4422	1.5079	1.4605	Ave		1.4664			0.0100	1.7		20.0							
1,3-Dinitrobenzene	++++ 0.2765	++++ 0.2788	0.2609 0.2881	0.2807	0.2764	Ave		0.2769				3.2		20.0							
2,6-Dinitrotoluene	++++ 0.3558	0.2876 0.3601	0.3402 0.3673	0.3628	0.3564	Ave		0.3472			0.2000	8.0		20.0							
Acenaphthylene	1.8536 2.1109	1.9044 2.0110	2.1089 1.9695	2.1651	2.1269	Ave		2.0313			0.9000	5.6		20.0							
3-Nitroaniline	++++ 0.4032	0.3121 0.4087	0.3647 0.4173	0.3966	0.3940	Ave		0.3852			0.0100	9.4		20.0							
Acenaphthene	1.3217 1.4052	1.4528 1.3623	1.4583 1.3352	1.4524	1.4269	Ave		1.4018			0.9000	3.9		20.0							
2,4-Dinitrophenol	++++ 0.2461	++++ 0.2643	++++ 0.2735	0.2199	0.2360	Ave		0.2480			0.0100	8.7		20.0							
4-Nitrophenol	++++ 0.2414	++++ 0.2744	++++ 0.2809	0.2284	0.2407	Ave		0.2532			0.0100	9.1		20.0							
Pentachlorobenzene	++++ 0.4774	0.4992 0.4541	0.4997 0.4565	0.4872	0.4830	Ave		0.4796				3.9		20.0							
2,4-Dinitrotoluene	++++ 0.4703	++++ 0.4689	0.4498 0.4639	0.4568	0.4595	Ave		0.4615			0.2000	1.7		20.0							
Dibenzofuran	++++ 1.8565	1.9815 1.7696	1.9570 1.7027	1.9713	1.9224	Ave		1.8801			0.8000	5.8		20.0							
1-Naphthylamine	++++ 1.4153	++++ 1.4165	++++ 1.4169	1.4030	1.3910	Ave		1.4085				0.8		20.0							

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557
SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	RRF								CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B	M1	M2												
2,3,4,6-Tetrachlorophenol	++++	++++	0.2885	0.3215	0.3234	Ave			0.3205			0.0100	5.1		20.0					
	0.3281	0.3279	0.3336																	
2-Naphthylamine	++++	++++	++++	1.3744	1.3440	Ave			1.3668				1.0		20.0					
	1.3749	1.3783	1.3624																	
Diethyl phthalate	++++	++++	1.4861	1.5190	1.5156	Ave			1.5281			0.0100	1.7		20.0					
	1.5441	1.5448	1.5590																	
Thionazin	++++	++++	0.3024	0.2764	0.2834	Ave			0.2844				3.3		20.0					
	0.2843	0.2822	0.2778																	
Fluorene	1.4273	1.4451	1.6100	1.5758	1.5164	Ave			1.4817			0.9000	5.4		20.0					
	1.4733	1.4242	1.3813																	
4-Chlorophenyl-phenyl ether	++++	0.7125	0.7402	0.7193	0.7058	Ave			0.6962			0.4000	4.5		20.0					
	0.6742	0.6668	0.6547																	
5-Nitro-o-toluidine	++++	0.3691	0.4440	0.4434	0.4501	Ave			0.4371				6.9		20.0					
	0.4548	0.4497	0.4490																	
4-Nitroaniline	++++	0.3775	0.4072	0.4355	0.4402	Ave			0.4182			0.0100	5.0		20.0					
	0.4234	0.4214	0.4220																	
4,6-Dinitro-2-methylphenol	++++	++++	++++	0.1486	0.1539	Ave			0.1558			0.0100	3.9		20.0					
	0.1525	0.1604	0.1637																	
N-Nitrosodiphenylamine	++++	0.6195	0.6922	0.7072	0.6932	Ave			0.6771			0.0100	4.2		20.0					
	0.6816	0.6742	0.6717																	
1,2-Diphenylhydrazine	++++	0.8704	0.9848	0.9808	0.9608	Ave			0.9386				4.3		20.0					
	0.9301	0.9219	0.9215																	
Sulfotepp	++++	++++	0.1523	0.1553	0.1533	Ave			0.1549				1.5		20.0					
	0.1538	0.1564	0.1584																	
cis-Diallate	++++	++++	0.4161	0.4250	0.4224	Ave			0.4201				0.8		20.0					
	0.4174	0.4194	0.4203																	
Phorate	++++	0.5055	0.5840	0.6053	0.5950	Ave			0.5792				5.8		20.0					
	0.5921	0.5890	0.5834																	
Phenacetin	++++	++++	0.4165	0.4488	0.4456	Ave			0.4441				3.2		20.0					
	0.4446	0.4514	0.4580																	
4-Bromophenyl-phenylether	++++	0.1680	0.2046	0.1912	0.1909	Ave			0.1877			0.1000	5.8		20.0					
	0.1866	0.1845	0.1882																	
trans-Diallate	++++	++++	0.4234	0.4295	0.4306	Ave			0.4284				1.5		20.0					
	0.4224	0.4249	0.4397																	
Hexachlorobenzene	0.2060	0.2076	0.2001	0.2026	0.1992	Ave			0.1982			0.1000	3.7		20.0					
	0.1902	0.1881	0.1922																	
Dimethoate	++++	++++	0.4000	0.4308	0.4361	Ave			0.4243				3.0		20.0					
	0.4312	0.4237	0.4238																	
Atrazine	++++	++++	0.2186	0.2186	0.2160	Ave			0.2108			0.0100	4.9		20.0					
	0.2159	0.2019	0.1939																	

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE		RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B		M1	M2									
Pentachlorophenol		++++ 0.1427	++++ 0.1427	0.1232 0.1456	0.1443	0.1478	Ave		0.1410			0.0500	6.3		20.0				
4-Aminobiphenyl		++++ 0.7490	0.6719 0.7200	0.7504 0.6825	0.8084	0.7761	Ave		0.7369				6.7		20.0				
Pentachloronitrobenzene		++++ 0.0877	++++ 0.0884	0.0848 0.0892	0.0897	0.0890	Ave		0.0881				2.0		20.0				
Pronamide		++++ 0.3687	++++ 0.3697	0.3520 0.3730	0.3798	0.3768	Ave		0.3700				2.6		20.0				
Dinoseb		++++ 0.2095	++++ 0.2201	0.1578 0.2251	0.1932	0.2053	Ave		0.2018				12.1		20.0				
Phenanthrene		1.1540 1.1086	1.1416 1.0822	1.2074 1.0610	1.1854	1.1510	Ave		1.1364			0.7000	4.4		20.0				
Anthracene		1.0809 1.1522	1.0793 1.1290	1.1789 1.0984	1.1923	1.1930	Ave		1.1380			0.7000	4.2		20.0				
Carbazole		++++ 1.1136	1.0578 1.1045	1.1388 1.0803	1.1613	1.1513	Ave		1.1154			0.0100	3.4		20.0				
Methyl parathion		++++ 0.3426	++++ 0.3482	0.2979 0.3463	0.3318	0.3422	Ave		0.3348				5.7		20.0				
Di-n-butyl phthalate		++++ 1.4379	++++ 1.4316	1.4118 1.3692	1.5112	1.4889	Ave		1.4418			0.0100	3.6		20.0				
Parathion		++++ 0.2011	++++ 0.2066	0.1602 0.2090	0.1893	0.1958	Ave		0.1937				9.2		20.0				
4-Nitroquinoline-1-oxide		++++ 0.1390	++++ 0.1533	0.1583	0.1119	0.1325	Ave		0.1390				13.2		20.0				
Octachlorostyrene		++++ 0.0793	++++ 0.0801	0.0725 0.0780	0.0751	0.0797	Ave		0.0774				3.9		20.0				
Isodrin		++++ 0.1402	0.1309 0.1392	0.1434 0.1417	0.1436	0.1411	Ave		0.1400				3.1		20.0				
Fluoranthene		1.2400 1.3002	1.1756 1.3040	1.3028 1.2762	1.3673	1.3473	Ave		1.2892			0.6000	4.7		20.0				
Benzidine		++++ 0.8494	++++ 0.8082	++++ 0.7642	0.9058	0.8999	Ave		0.8455				7.1		20.0				
Pyrene		1.4360 1.3526	1.4167 1.3049	1.4402 1.2757	1.4133	1.3821	Ave		1.3777			0.6000	4.5		20.0				
p-Dimethylamino azobenzene		++++ 0.2375	++++ 0.2413	0.2155 0.2431	0.2265	0.2414	Ave		0.2342				4.7		20.0				
Chlorobenzilate		++++ 0.4312	++++ 0.4298	0.4099 0.4304	0.4333	0.4385	Ave		0.4289				2.3		20.0				
3,3'-Dimethylbenzidine		++++ 0.8941	++++ 0.9058	0.7212 0.8901	0.8301	0.9012	Ave		0.8571				8.4		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4		B	M1	M2								
Butylbenzylphthalate	++++ 0.6750	++++ 0.6660	0.6618 0.6685	0.6855	0.6820 Ave		0.6732			0.0100	1.4		20.0			
2-Acetylaminofluorene	++++ 0.5351	++++ 0.5525	0.3777 0.5723	0.4804	0.5213 Ave		0.5065				13.9		20.0			
3,3'-Dichlorobenzidine	++++ 0.4411	++++ 0.4367	0.4060 0.4347	0.4295	0.4370 Ave		0.4308			0.0100	3.0		20.0			
Benzo[a]anthracene	1.0414 1.0941	0.9657 1.0548	1.1503 1.0389	1.1356	1.1294 Ave		1.0763			0.8000	5.8		20.0			
4,4'-Methylene bis(2-chloroaniline)	++++ 0.2343	++++ 0.2290	++++ 0.2298	0.2312	0.2391 Ave		0.2327				1.8		20.0			
Chrysene	1.1371 1.1104	1.1231 1.0876	1.2008 1.0776	1.1687	1.1402 Ave		1.1307			0.7000	3.6		20.0			
Bis(2-ethylhexyl) phthalate	++++ 0.9739	++++ 0.9533	0.8891 0.9498	0.9618	0.9823 Ave		0.9517			0.0100	3.5		20.0			
6-Methylchrysene	++++ 0.8051	++++ 0.8122	0.7982 0.8133	0.8070	0.8265 Ave		0.8104				1.2		20.0			
Di-n-octyl phthalate	++++ 1.8680	++++ 1.8186	1.5458 1.7580	1.8007	1.8451 Ave		1.7727			0.0100	6.6		20.0			
Benzo[b]fluoranthene	1.0799 1.2385	1.0362 1.2168	1.2348 1.2285	1.2348	1.2316 Ave		1.1876			0.7000	6.8		20.0			
7,12-Dimethylbenz(a)anthracene	++++ 0.5693	0.4385 0.5634	0.5395 0.5638	0.5637	0.5746 Ave		0.5447				8.8		20.0			
Benzo[k]fluoranthene	1.1564 1.2327	1.0810 1.1983	1.2336 1.1617	1.2871	1.2768 Ave		1.2035			0.7000	5.7		20.0			
Benzo[a]pyrene	0.9763 1.1973	0.9688 1.1932	1.1621 1.1906	1.1803	1.2143 Ave		1.1354			0.7000	8.9		20.0			
3-Methylcholanthrene	++++ 0.6290	0.4703 0.6321	0.5536 0.6384	0.6188	0.6264 Ave		0.5955				10.4		20.0			
Dibenz[a,h]acridine	++++ 0.9140	0.8882 0.8882	0.7613 0.8898	0.8678	0.9138 Ave		0.8725				6.6		20.0			
Dibenz[a,j]acridine	++++ 0.9841	0.8882 0.9501	0.8447 0.9177	0.9359	0.9916 Ave		0.9373				5.7		20.0			
Indeno[1,2,3-cd]pyrene	0.8291 1.0612	0.7405 1.0770	0.8779 1.0097	1.0118	1.0407 Ave		0.9560			0.5000	13.0		20.0			
Dibenz(a,h)anthracene	0.8113 1.1311	0.8103 1.1005	1.0123 1.0461	1.1323	1.1424 Ave		1.0233			0.4000	13.6		20.0			
Benzo[g,h,i]perylene	0.9406 1.1255	0.9003 1.0786	1.0342 0.9992	1.1282	1.1365 Ave		1.0429			0.5000	8.6		20.0			
2-Fluorophenol (Surr)	++++ 1.4713	++++ 1.5334	1.4895 1.5233	1.5320	1.4901 Ave		1.5066				1.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	RRF								CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B	M1	M2												
Phenol-d5 (Surr)	++++ 1.9413	++++ 2.0430	2.0368 1.9729	2.0954	1.9936	Ave		2.0138						2.8		20.0				
Nitrobenzene-d5 (Surr)	++++ 0.4528	++++ 0.4484	0.4748 0.4368	0.4698	0.4607	Ave		0.4572						3.1		20.0				
2-Fluorobiphenyl (Surr)	++++ 1.5400	++++ 1.4748	1.6526 1.3845	1.6444	1.6048	Ave		1.5502						6.8		20.0				
2,4,6-Tribromophenol (Surr)	++++ 0.1571	++++ 0.1569	0.1515 0.1561	0.1560	0.1546	Ave		0.1554						1.4		20.0				
p-Terphenyl-d14 (Surr)	++++ 0.7527	++++ 0.7184	0.8096 0.6879	0.7982	0.7845	Ave		0.7586						6.3		20.0				

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

Analy Batch No.: 10557

SDG No.:

Instrument ID: HP19760

GC Column: DB-5MS 30m ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2020 15:41

Calibration End Date: 04/15/2020 22:07

Calibration ID: 5027

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-10557/3	DD0632.D
Level 2	IC 410-10557/9	DD0638.D
Level 3	IC 410-10557/8	DD0637.D
Level 4	IC 410-10557/7	DD0636.D
Level 5	ICIS 410-10557/2	DD0631.D
Level 6	IC 410-10557/6	DD0635.D
Level 7	IC 410-10557/5	DD0634.D
Level 8	IC 410-10557/4	DD0633.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)					
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	
1,4-Dioxane	DCBd 4	Ave	++++ 471641	++++ 710224	43418 1148523	134501	285663	++++ 12.5	++++ 20.0	1.25 30.0	3.75		7.50
N-Nitrosodimethylamine	DCBd 4	Ave	++++ 723755	++++ 1119245	72126 1769874	220185	432721	++++ 12.5	++++ 20.0	1.25 30.0	3.75		7.50
Pyridine	DCBd 4	Ave	++++ 1243435	++++ 1938179	125929 3062617	385063	765995	++++ 12.5	++++ 20.0	1.25 30.0	3.75		7.50
2-Picoline	DCBd 4	Ave	++++ 1277475	++++ 1972925	129291 3074183	389425	761941	++++ 12.5	++++ 20.0	1.25 30.0	3.75		7.50
N-Nitrosomethylethylamine	DCBd 4	Ave	++++ 544719	++++ 845860	54980 1334118	167278	326324	++++ 12.5	++++ 20.0	1.25 30.0	3.75		7.50
Methyl methanesulfonate	DCBd 4	Ave	++++ 576589	++++ 910939	58798 1423497	177790	356372	++++ 12.5	++++ 20.0	1.25 30.0	3.75		7.50
N-Nitrosodiethylamine	DCBd 4	Ave	++++ 526038	9490 817997	52749 1273231	160347	317092	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50
Ethyl methanesulfonate	DCBd 4	Ave	++++ 554404	10465 864934	54644 1316957	168202	331860	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50
Benzaldehyde	DCBd 4	Ave	++++ 928482	++++ 1332109	80616 1819329	255386	502337	++++ 12.5	++++ 20.0	1.25 30.0	3.75		7.50
Phenol	DCBd 4	Ave	++++ 1410743	28320 2148579	147666 3236479	436073	850449	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50
Aniline	DCBd 4	Ave	++++ 1757914	33098 2722001	175862 4112815	547739	1060281	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50
Bis(2-chloroethyl)ether	DCBd 4	Ave	++++ 1174678	24052 1782221	123241 2684390	367771	710944	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50
2-Chlorophenol	DCBd 4	Ave	++++ 1030363	19830 1555759	104890 2348260	321358	619471	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1043227	21154 1577751	107963 2396212	327091	634374	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50
1,4-Dichlorobenzene	DCBd 4	Ave	++++ 1062163	20445 1597927	112206 2430597	333389	643283	++++ 12.5	0.250 20.0	1.25 30.0	3.75		7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzyl alcohol	DCBd 4	Ave	++++ 673727	++++ 1046640	66308 1534232	208660	398364	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 999736	++++ 1527112	105895 2288176	320398	602580	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd 4	Ave	++++ 956071	18077 1470014	98223 2195131	301399	571371	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indene	DCBd 4	Ave	++++ 1567211	++++ 2383236	152265 3404551	478612	938916	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	++++ 1513260	31915 2316207	155729 3487712	488024	921046	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd 4	Ave	++++ 543406	10206 840712	55050 1267518	167360	334089	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd 4	Ave	++++ 1438451	27327 2079313	149669 3125208	436678	844000	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd 4	Ave	++++ 992781	19758 1494225	103276 2212557	317511	603590	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd 4	Ave	++++ 798173	16109 1206049	82594 1780461	252874	479460	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd 4	Ave	++++ 731086	++++ 1106382	78406 1649615	232905	446499	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd 4	Ave	++++ 1615090	31654 2438499	172138 3630944	515409	982538	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd 4	Ave	++++ 449780	++++ 675359	47475 1010454	142225	269503	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	++++ 1177288	24294 1770358	125319 2630425	377302	699831	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	++++ 528052	10628 806184	53825 1217488	166409	313916	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	++++ 2144394	40879 3269521	217508 4913158	680644	1293177	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	++++ 521785	++++ 805296	49782 1227109	159731	306707	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	++++ 1012268	19632 1547293	104671 2343632	315228	611838	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	++++ 427892	++++ 658358	44778 986355	137169	260636	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Benzoic acid	NPT	Ave	++++ 681086	++++ 960373	147998 1710627	381752	531372	++++ 12.5	++++ 20.0	3.75 30.0	7.50	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	++++ 1358335	28300 2026886	137249 2967802	435392	815352	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	++++ 762934	14850 1159441	77787 1754233	245032	455178	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557

SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trichlorobenzene	NPT	Ave	++++ 781803	15890 1199393	80530 1769234	249278	473081	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	31656 2817323	57879 4191638	305696 6141801	904906	1697117	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	++++ 1162095	22582 1739116	119990 2578272	366523	693439	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	++++ 723821	13674 1082316	74312 1617416	231346	437784	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	++++ 486782	++++ 750385	47239 1143093	150397	297806	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	++++ 417492	8194 629399	43814 948520	130860	254956	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	++++ 1790602	++++ 2728467	191605 4021063	574467	1080215	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	++++ 334970	++++ 505684	32939 766750	97798	188936	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	++++ 740219	++++ 1426494	74094 2142927	232927	444148	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	++++ 855087	15548 1301143	88397 1945179	270873	518467	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrrole, Total	NPT	Ave	++++ 684079	++++ 1047463	68914 1559292	215411	409074	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	19084 1800099	35539 2719075	189462 4039756	576163	1082454	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	18968 1693419	32738 2565236	185174 3776277	539502	1024922	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	++++ 448958	++++ 681906	43472 1032541	135349	271739	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	++++ 719198	14274 1076815	77746 1601520	229928	438875	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	++++ 125543	++++ 195077	12666 288223	38275	73130	++++ 2.00	++++ 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	++++ 509723	9995 779450	48956 1165506	156837	307255	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	++++ 530921	9326 822121	54111 1210641	167070	327476	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	677479	1033530	1540082	214272	408374	++++ 10.5	++++ 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	++++ 2188957	41372 3155281	233245 4534255	686836	1297816	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	++++ 1589180	34803 2306217	177862 3454791	517627	973275	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557

SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Chloronaphthalene	ANT	Ave	++++ 1477664	30478 2296977	162014 3330950	500306	914731	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	++++ 1119355	22605 1668134	122476 2480849	362244	677791	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	++++ 563398	9615 858804	59211 1294317	181113	338983	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	++++ 678943	++++ 1031372	65119 1558504	214902	410945	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	++++ 300662	++++ 459989	28192 709833	91944	174362	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	++++ 1696791	++++ 2619330	183866 3895163	552105	1021962	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	++++ 322947	++++ 503970	32291 778043	102769	193410	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	++++ 415507	7106 651007	42099 991988	132823	249405	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	24780 2465086	47059 3635691	260998 5319201	792736	1488205	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	++++ 470829	7712 738902	45135 1127132	145220	275671	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	17669 1641015	35901 2462953	180477 3606019	531768	998409	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	++++ 287427	++++ 477776	++++ 738805	161037	220150	++++ 12.5	++++ 20.0	++++ 30.0	7.50	10.0
4-Nitrophenol	ANT	Ave	++++ 281944	++++ 496021	++++ 758665	83614	168444	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Pentachlorobenzene	ANT	Ave	++++ 557541	12336 820979	61848 1233015	178364	337963	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	++++ 549226	++++ 847684	55668 1252928	167237	321514	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	++++ 2168065	48964 3199408	242198 4598664	721757	1345140	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	++++ 1652758	++++ 2560971	++++ 3826876	513705	973298	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	++++ 383102	++++ 592778	35702 900978	117696	226293	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	++++ 1605653	++++ 2491827	++++ 3679517	503219	940456	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	++++ 1803161	++++ 2792877	183913 4210601	556176	1060526	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	++++ 331971	++++ 510147	37426 750174	101188	198334	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Fluorene	ANT	Ave	19082 1720571	35709 2574932	199256 3730552	576963	1061068	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	++++ 787340	17607 1205537	91609 1768285	263347	493847	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	++++ 531145	9121 812986	54943 1212590	162342	314944	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	++++ 494477	9329 761779	50399 1139886	159435	308047	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	++++ 339654	++++ 553355	++++ 840913	100382	200904	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
N-Nitrosodiphenylamine	PHN	Ave	++++ 1517671	28456 2326254	157739 3450630	477673	905034	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Diphenylhydrazine	PHN	Ave	++++ 2071195	39982 3180975	224419 4733856	662459	1254458	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotep	PHN	Ave	++++ 342534	++++ 539548	34695 813929	104925	200128	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	++++ 687853	++++ 1070871	70173 1597947	212408	408149	++++ 9.25	++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	++++ 1318425	23219 2032429	133083 2996867	408839	776813	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	++++ 990088	++++ 1557397	94911 2352905	303103	581751	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	++++ 415438	7715 636756	46623 966827	129161	249200	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	++++ 244527	++++ 381191	25083 587259	75422	146179	++++ 3.25	++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	5005 423451	9536 648976	45593 987283	136818	260138	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	++++ 960137	++++ 1462043	91158 2176987	290947	569350	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	++++ 480662	++++ 696741	49817 996324	147663	282070	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	++++ 317796	++++ 492312	28076 748092	97442	192979	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	++++ 1667852	30866 2484437	171009 3506184	545984	1013343	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	++++ 195243	++++ 305049	19323 458153	60607	116187	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	++++ 821057	++++ 1275587	80210 1916285	256524	492036	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	++++ 466615	++++ 759491	35957 1156325	130460	268080	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557

SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Phenanthrene	PHN	Ave	28042 2468489	52442 3734195	275150 5450818	800657	1502882	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	26264 2565751	49577 3895378	268656 5642741	805317	1557612	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	++++ 2479730	48592 3810961	259500 5549805	784350	1503160	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	++++ 762784	++++ 1201340	67892 1778915	224093	446775	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	++++ 3201882	++++ 4939707	321720 7034025	1020731	1943995	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	++++ 447807	++++ 712742	36499 1073899	127881	255712	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	++++ 309512	++++ 529074	++++ 813141	75595	172993	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	++++ 176669	++++ 276293	16523 400702	50696	104042	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	++++ 312189	6012 480263	32669 727852	97023	184269	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	30132 2895314	54004 4499388	296869 6556007	923503	1759147	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR1 0	Ave	++++ 5563446	++++ 8312296	++++ 11764653	1841202	3525086	++++ 37.5	++++ 60.0	++++ 90.0	11.3	22.5
Pyrene	PYR1 0	Ave	34626 2953245	64383 4473488	326619 6546162	957607	1804649	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR1 0	Ave	++++ 518474	++++ 827081	48862 1247531	153489	315157	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR1 0	Ave	++++ 941449	++++ 1473467	92954 2208624	293608	572545	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR1 0	Ave	++++ 1952080	++++ 3105204	163549 4567499	562438	1176631	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR1 0	Ave	++++ 1473783	++++ 2283333	150089 3430468	464456	890510	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR1 0	Ave	++++ 1168423	++++ 1893969	85650 2936615	325499	680600	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR1 0	Ave	++++ 963199	++++ 1496969	92083 2230774	291015	570581	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR1 0	Ave	25111 2388857	43885 3615995	260863 5331187	769466	1474621	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR1 0	Ave	++++ 511552	++++ 784998	++++ 1179122	156645	312232	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Chrysene	PYR1 0	Ave	27417 2424384	51039 3728555	272309 5529578	791880	1488771	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 10557

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/15/2020 15:41 Calibration End Date: 04/15/2020 22:07 Calibration ID: 5027

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Bis(2-ethylhexyl) phthalate	PYR1 0	Ave	++++ 2126470	++++ 3268208	201621 4873990	651670	1282542	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR1 0	Ave	++++ 1757854	++++ 2784323	181021 4173088	546760	1079157	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	++++ 3786927	++++ 5802304	328436 8517236	1119674	2252622	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	23312 2510701	42571 3882293	262346 5951864	767762	1503637	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz (a)anthracene	PRY	Ave	++++ 1154160	18016 1797611	114630 2731757	350477	701483	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	24965 2499000	44412 3823380	262087 5628462	800325	1558827	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	21076 2427294	39799 3807008	246902 5768287	733884	1482504	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	++++ 1275063	19320 2016842	117630 3092894	384767	764693	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	++++ 1852930	++++ 2833927	161750 4311106	539563	1115664	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	++++ 1995021	++++ 3031272	179461 4446120	581922	1210653	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	17898 2151398	30420 3436231	186533 4891831	629127	1270591	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	17514 2293046	33289 3511199	215078 5068296	704060	1394737	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	20306 2281705	36985 3441380	219726 4840786	701475	1387453	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd 4	Ave	++++ 2087487	++++ 3153069	208873 4872212	638123	1240132	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd 4	Ave	++++ 2754263	++++ 4200903	285624 6310407	872798	1659151	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	++++ 2325617	++++ 3531793	246852 5232376	736380	1415319	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	++++ 3596872	++++ 5332621	409052 7478425	1204133	2245829	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	++++ 366997	++++ 567382	37490 843180	114207	216383	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR1 0	Ave	++++ 3286981	++++ 4925761	367213 7059507	1081697	2048589	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0631.D
 Lims ID: ICIS L5
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 15-Apr-2020 15:41:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SST7.5;rvSTD0940;1;2;CC;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:07:05 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:29:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.885	2.885	0.000	95	285663	7.50	7.67	
2 N-Nitrosodimethylamine	74	3.404	3.404	0.000	91	432721	7.50	7.38	
3 Pyridine	79	3.427	3.427	0.000	94	765995	7.50	7.50	
4 2-Picoline	93	4.552	4.552	0.000	90	761941	7.50	7.37	
5 N-Nitrosomethylethylamine	88	4.739	4.739	0.000	87	326324	7.50	7.36	
7 Methyl methanesulfonate	80	5.176	5.176	0.000	85	356372	7.50	7.50	
\$ 8 2-Fluorophenol	112	5.392	5.392	0.000	94	1240132	15.0	14.8	
9 N-Nitrosodiethylamine	102	5.735	5.735	0.000	94	317092	7.50	7.56	
10 Ethyl methanesulfonate	109	6.167	6.167	0.000	99	331860	7.50	7.51	
12 Benzaldehyde	77	6.639	6.639	0.000	97	502337	7.50	7.42	
\$ 13 Phenol-d5	99	6.726	6.726	0.000	99	1659151	15.0	14.8	
14 Phenol	94	6.744	6.744	0.000	94	850449	7.50	7.47	
15 Aniline	93	6.790	6.790	0.000	96	1060281	7.50	7.54	
16 Bis(2-chloroethyl)ether	93	6.895	6.895	0.000	94	710944	7.50	7.46	
17 2-Chlorophenol	128	6.954	6.954	0.000	94	619471	7.50	7.53	
18 1,3-Dichlorobenzene	146	7.187	7.187	0.000	96	634374	7.50	7.52	
* 19 1,4-Dichlorobenzene-d4	152	7.274	7.274	0.000	96	277411	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.298	7.298	0.000	92	643283	7.50	7.53	
21 Benzyl alcohol	108	7.478	7.478	0.000	92	398364	7.50	7.39	
22 1,2-Dichlorobenzene	146	7.519	7.519	0.000	95	602580	7.50	7.43	
23 2-Methylphenol	108	7.647	7.647	0.000	94	571371	7.50	7.46	
24 Indene	115	7.653	7.653	0.000	89	938916	7.50	7.59	
25 2,2'-oxybis[1-chloropropane]	45	7.700	7.700	0.000	96	921046	7.50	7.44	
26 N-Nitrosopyrrolidine	100	7.840	7.840	0.000	95	334089	7.50	7.67	
27 Acetophenone	105	7.880	7.880	0.000	92	844000	7.50	7.49	
28 4-Methylphenol	108	7.880	7.880	0.000	93	603590	7.50	7.54	
29 N-Nitrosodi-n-propylamine	70	7.892	7.892	0.000	83	479460	7.50	7.46	
30 N-Nitrosomorpholine	56	7.910	7.910	0.000	89	446499	7.50	7.49	
31 2-Toluidine	106	7.933	7.933	0.000	95	982538	7.50	7.53	
32 Hexachloroethane	117	8.032	8.032	0.000	98	269503	7.50	7.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.102	8.102	0.000	88	1415319	15.0	15.1	
34 Nitrobenzene	77	8.131	8.131	0.000	86	699831	7.50	7.41	
35 N-Nitrosopiperidine	114	8.364	8.364	0.000	89	313916	7.50	7.46	
36 Isophorone	82	8.504	8.504	0.000	97	1293177	7.50	7.61	
37 2-Nitrophenol	139	8.621	8.621	0.000	91	306707	7.50	7.44	
38 2,4-Dimethylphenol	107	8.702	8.702	0.000	95	611838	7.50	7.59	
40 Benzoic acid	105	8.825	8.825	0.000	87	531372	10.0	10.5	
39 o,o',o"-Triethylphosphorothioat	198	8.830	8.830	0.000	91	260636	7.50	7.52	
41 Bis(2-chloroethoxy)methane	93	8.865	8.865	0.000	96	815352	7.50	7.55	
42 2,4-Dichlorophenol	162	8.994	8.994	0.000	98	455178	7.50	7.50	
43 1,2,4-Trichlorobenzene	180	9.134	9.134	0.000	94	473081	7.50	7.55	
* 44 Naphthalene-d8	136	9.215	9.215	0.000	99	1023981	5.00	5.00	
45 Naphthalene	128	9.250	9.250	0.000	97	1697117	7.50	7.45	
46 4-Chloroaniline	127	9.343	9.343	0.000	95	693439	7.50	7.56	
47 2,6-Dichlorophenol	162	9.349	9.349	0.000	93	437784	7.50	7.67	
48 Hexachloropropene	213	9.396	9.396	0.000	89	297806	7.50	7.66	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	97	254956	7.50	7.66	
S 51 Diallate	86				0		7.50	7.54	
50 Quinoline	129	9.775	9.775	0.000	96	1080215	7.50	7.47	
52 Caprolactam	113	9.862	9.862	0.000	81	188936	7.50	7.27	
53 N-Nitrosodi-n-butylamine	84	9.903	9.903	0.000	94	444148	7.50	6.92	
54 4-Chloro-3-methylphenol	107	10.124	10.124	0.000	95	518467	7.50	7.68	
55 Safrole, Total	162	10.235	10.235	0.000	87	409074	7.50	7.50	
56 2-Methylnaphthalene	142	10.358	10.358	0.000	92	1082454	7.50	7.53	
57 1-Methylnaphthalene	142	10.509	10.509	0.000	93	1024922	7.50	7.50	
58 Hexachlorocyclopentadiene	237	10.614	10.614	0.000	97	271739	7.50	7.76	
59 1,2,4,5-Tetrachlorobenzene	216	10.626	10.626	0.000	97	438875	7.50	7.72	
60 Isosafrole Peak 1	162	10.707	10.707	0.000	89	73130	1.20	1.19	
61 2,4,6-Trichlorophenol	196	10.812	10.812	0.000	94	307255	7.50	7.77	
62 2,4,5-Trichlorophenol	196	10.859	10.859	0.000	93	327476	7.50	7.93	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.964	10.964	0.000	100	2245829	15.0	15.5	
64 Isosafrole Peak 2	162	11.069	11.069	0.000	90	408374	6.30	6.41	
65 1,1'-Biphenyl	154	11.115	11.115	0.000	96	1297816	7.50	7.74	
66 2-Chloronaphthalene	162	11.133	11.133	0.000	98	973275	7.50	7.63	
67 1-Chloronaphthalene	162	11.168	11.168	0.000	97	914731	7.50	7.64	
68 Phenyl ether	170	11.296	11.296	0.000	87	677791	7.50	7.63	
69 2-Nitroaniline	138	11.308	11.308	0.000	83	338983	7.50	7.75	
70 1,4-Naphthoquinone	158	11.424	11.424	0.000	86	410945	7.50	7.71	
71 1,4-Dinitrobenzene	168	11.535	11.535	0.000	90	174362	7.50	7.46	
72 Dimethyl phthalate	163	11.622	11.622	0.000	97	1021962	7.50	7.47	
73 1,3-Dinitrobenzene	168	11.640	11.640	0.000	85	193410	7.50	7.49	
74 2,6-Dinitrotoluene	165	11.692	11.692	0.000	92	249405	7.50	7.70	
75 Acenaphthylene	152	11.768	11.768	0.000	99	1488205	7.50	7.85	
76 3-Nitroaniline	138	11.920	11.920	0.000	89	275671	7.50	7.67	
* 77 Acenaphthene-d10	164	11.972	11.972	0.000	97	466480	5.00	5.00	
78 Acenaphthene	153	12.013	12.013	0.000	96	998409	7.50	7.63	
79 2,4-Dinitrophenol	184	12.065	12.065	0.000	85	220150	10.0	9.52	
80 4-Nitrophenol	109	12.153	12.153	0.000	84	168444	7.50	7.13	
81 Pentachlorobenzene	250	12.194	12.194	0.000	97	337963	7.50	7.55	
82 2,4-Dinitrotoluene	165	12.240	12.240	0.000	85	321514	7.50	7.47	
83 Dibenzofuran	168	12.246	12.246	0.000	96	1345140	7.50	7.67	
84 1-Naphthylamine	143	12.345	12.345	0.000	99	973298	7.50	7.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.403	12.403	0.000	77	226293	7.50	7.57	
86 2-Naphthylamine	143	12.444	12.444	0.000	96	940456	7.50	7.38	
87 Diethyl phthalate	149	12.572	12.572	0.000	98	1060526	7.50	7.44	
88 Thionazin	107	12.666	12.666	0.000	80	198334	7.50	7.47	
89 Fluorene	166	12.672	12.672	0.000	96	1061068	7.50	7.68	
90 N-Nitro-o-toluidine	152	12.695	12.695	0.000	74	314944	7.50	7.72	
91 4-Chlorophenyl phenyl ether	204	12.695	12.695	0.000	88	493847	7.50	7.60	
92 4-Nitroaniline	138	12.701	12.701	0.000	82	308047	7.50	7.90	
93 4,6-Dinitro-2-methylphenol	198	12.741	12.741	0.000	80	200904	7.50	7.41	
94 N-Nitrosodiphenylamine	169	12.841	12.841	0.000	61	905034	7.50	7.68	
95 1,2-Diphenylhydrazine	77	12.887	12.887	0.000	41	1254458	7.50	7.68	
\$ 96 2,4,6-Tribromophenol	330	12.975	12.975	0.000	83	216383	15.0	14.9	
97 Sulfotepp	97	13.062	13.062	0.000	77	200128	7.50	7.42	
98 cis-Diallate	86	13.214	13.214	0.000	94	408149	5.55	5.58	
99 Phorate	75	13.219	13.219	0.000	96	776813	7.50	7.70	
100 Phenacetin	108	13.231	13.231	0.000	93	581751	7.50	7.52	
101 4-Bromophenyl phenyl ether	248	13.301	13.301	0.000	69	249200	7.50	7.63	
102 trans-Diallate	86	13.324	13.324	0.000	94	146179	1.95	1.96	
103 Hexachlorobenzene	284	13.359	13.359	0.000	92	260138	7.50	7.54	
104 Dimethoate	87	13.423	13.423	0.000	98	569350	7.50	7.71	
105 Atrazine	200	13.523	13.523	0.000	90	282070	7.50	7.69	
106 Pentachlorophenol	266	13.616	13.616	0.000	90	192979	7.50	7.86	
108 4-Aminobiphenyl	169	13.633	13.633	0.000	90	1013343	7.50	7.90	
107 Pentachloronitrobenzene	237	13.633	13.633	0.000	47	116187	7.50	7.57	
109 Pronamide	173	13.721	13.721	0.000	90	492036	7.50	7.64	
* 110 Phenanthrene-d10	188	13.866	13.866	0.000	97	870445	5.00	5.00	
111 Dinoseb	211	13.872	13.872	0.000	94	268080	7.50	7.63	
112 Phenanthrene	178	13.901	13.901	0.000	98	1502882	7.50	7.60	
113 Anthracene	178	13.971	13.971	0.000	98	1557612	7.50	7.86	
114 Carbazole	167	14.187	14.187	0.000	96	1503160	7.50	7.74	
115 Methyl parathion	109	14.391	14.391	0.000	90	446775	7.50	7.66	
116 Di-n-butyl phthalate	149	14.706	14.706	0.000	100	1943995	7.50	7.75	
117 Ethyl Parathion	109	14.951	14.951	0.000	84	255712	7.50	7.58	
118 4-Nitroquinoline-1-oxide	190	14.974	14.974	0.000	95	172993	7.50	7.15	
119 Octachlorostyrene	308	15.318	15.318	0.000	90	104042	7.50	7.72	
120 Isodrin	193	15.376	15.376	0.000	91	184269	7.50	7.56	
121 Fluoranthene	202	15.603	15.603	0.000	98	1759147	7.50	7.84	
122 Benzidine	184	15.831	15.831	0.000	100	3525086	22.5	23.9	
* 123 Pyrene-d10 (IS)	212	15.930	15.930	0.000	99	870459	5.00	5.00	
124 Pyrene	202	15.959	15.959	0.000	97	1804649	7.50	7.52	
\$ 125 p-Terphenyl-d14	244	16.239	16.239	0.000	99	2048589	15.0	15.5	
126 p-Dimethylamino azobenzene	225	16.472	16.472	0.000	92	315157	7.50	7.73	
127 Chlorobenzilate	139	16.565	16.565	0.000	85	572545	7.50	7.67	
128 3,3'-Dimethylbenzidine	212	17.043	17.043	0.000	99	1176631	7.50	7.89	
129 Butyl benzyl phthalate	149	17.101	17.101	0.000	97	890510	7.50	7.60	
130 2-Acetylaminofluorene	181	17.474	17.474	0.000	95	680600	7.50	7.72	
131 3,3'-Dichlorobenzidine	252	17.987	17.987	0.000	76	570581	7.50	7.61	
132 Benzo[a]anthracene	228	18.005	18.005	0.000	99	1474621	7.50	7.87	
133 4,4'-Methylene bis(2-chloroani	231	18.011	18.011	0.000	93	312232	7.50	7.71	
134 Chrysene	228	18.069	18.069	0.000	97	1488771	7.50	7.56	
135 Bis(2-ethylhexyl) phthalate	149	18.180	18.180	0.000	98	1282542	7.50	7.74	
136 6-Methylchrysene	242	18.879	18.879	0.000	99	1079157	7.50	7.65	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.351	19.351	0.000	99	2252622	7.50	7.81	
138 Benzo[b]fluoranthene	252	19.882	19.882	0.000	98	1503637	7.50	7.78	
139 7,12-Dimethylbenz(a)anthracene	256	19.887	19.887	0.000	91	701483	7.50	7.91	
140 Benzo[k]fluoranthene	252	19.934	19.934	0.000	98	1558827	7.50	7.96	
141 Benzo[a]pyrene	252	20.412	20.412	0.000	80	1482504	7.50	8.02	
* 142 Perylene-d12	264	20.505	20.505	0.000	96	813905	5.00	5.00	
143 3-Methylcholanthrene	268	20.989	20.989	0.000	94	764693	7.50	7.89	
144 Dibenz[a,h]acridine	279	21.817	21.817	0.000	92	1115664	7.50	7.86	
145 Dibenz[a,j]acridine	279	21.892	21.892	0.000	95	1210653	7.50	7.93	
146 Indeno[1,2,3-cd]pyrene	276	22.166	22.166	0.000	97	1270591	7.50	8.16	
147 Dibenz(a,h)anthracene	278	22.207	22.207	0.000	95	1394737	7.50	8.37	
148 Benzo[g,h,i]perylene	276	22.598	22.598	0.000	97	1387453	7.50	8.17	
S 152 Dinitrotoluene	165				0		15.0	15.2	
S 170 Isosafrole	162				0		7.50	7.60	

Reagents:

MSS_RV8270_5_00005

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:07:06

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0631.D

Injection Date: 15-Apr-2020 15:41:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: ICIS L5

Worklist Smp#:

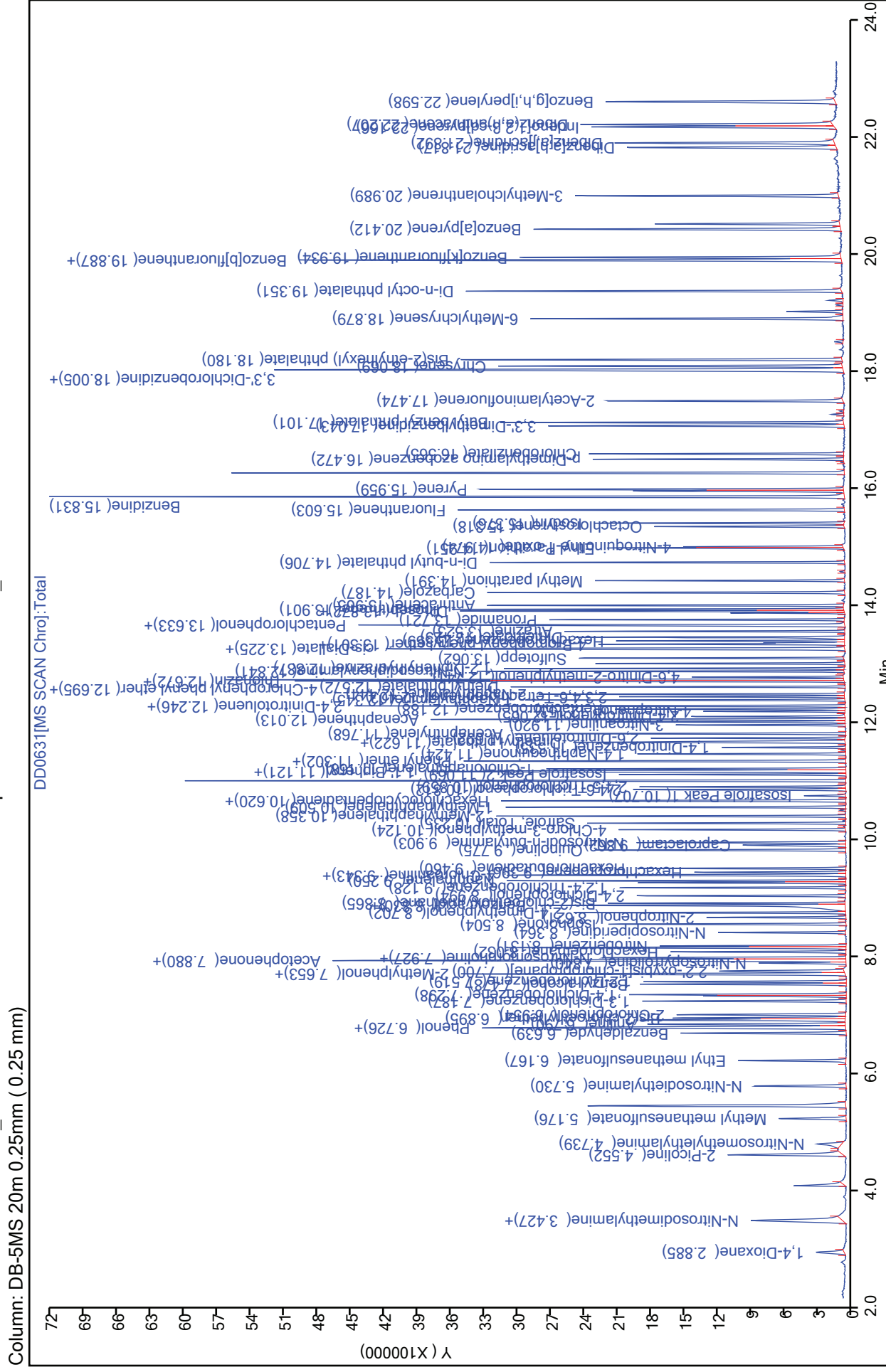
Client ID:

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi HP19760

Limit Group: MSSV - 8270D E | VI



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0632.D
 Lims ID: IC L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 15-Apr-2020 19:18:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SST0.125;RVSTD0940;1;1;STD;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:07:15 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:47:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.891	2.885	0.006	82	5235	0.1250	0.1675	
2 N-Nitrosodimethylamine	74	3.427	3.404	0.023	87	7278	0.1250	0.1478	
3 Pyridine	79	3.468	3.427	0.041	93	13969	0.1250	0.1630	
4 2-Picoline	93	4.564	4.552	0.012	89	11232	0.1250	0.1293	
5 N-Nitrosomethylethylamine	88	4.727	4.739	-0.012	28	6192	0.1250	0.1663	
7 Methyl methanesulfonate	80	5.176	5.176	0.000	86	6689	0.1250	0.1677	
\$ 8 2-Fluorophenol	112	5.392	5.392	0.000	93	21936	0.2500	0.3125	
9 N-Nitrosodiethylamine	102	5.736	5.735	0.001	89	4409	0.1250	0.1251	
10 Ethyl methanesulfonate	109	6.161	6.167	-0.006	95	5426	0.1250	0.1462	
12 Benzaldehyde	77	6.633	6.639	-0.006	93	8628	0.1250	0.1517	
\$ 13 Phenol-d5	99	6.721	6.726	-0.005	97	30369	0.2500	0.3237	
14 Phenol	94	6.738	6.744	-0.006	92	16216	0.1250	0.1696	
15 Aniline	93	6.791	6.790	0.001	93	17914	0.1250	0.1517	
16 Bis(2-chloroethyl)ether	93	6.895	6.895	0.000	96	13621	0.1250	0.1703	
17 2-Chlorophenol	128	6.954	6.954	0.000	92	10645	0.1250	0.1541	
18 1,3-Dichlorobenzene	146	7.187	7.187	0.000	97	11418	0.1250	0.1611	
* 19 1,4-Dichlorobenzene-d4	152	7.274	7.274	0.000	97	232930	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.298	7.298	0.000	92	11876	0.1250	0.1656	
21 Benzyl alcohol	108	7.478	7.478	0.000	92	8040	0.1250	0.1776	
22 1,2-Dichlorobenzene	146	7.519	7.519	0.000	93	11179	0.1250	0.1642	
23 2-Methylphenol	108	7.642	7.647	-0.005	89	10667	0.1250	0.1659	
24 Indene	115	7.653	7.653	0.000	88	17351	0.1250	0.1670	
25 2,2'-oxybis[1-chloropropane]	45	7.700	7.700	0.000	95	18171	0.1250	0.1748	
26 N-Nitrosopyrrolidine	100	7.828	7.840	-0.012	84	4948	0.1250	0.1353	
27 Acetophenone	105	7.875	7.880	-0.005	85	13959	0.1250	0.1475	
28 4-Methylphenol	108	7.880	7.880	0.000	69	10036	0.1250	0.1494	
29 N-Nitrosodi-n-propylamine	70	7.886	7.892	-0.006	81	9215	0.1250	0.1708	
30 N-Nitrosomorpholine	56	7.904	7.910	-0.006	90	8427	0.1250	0.1683	
31 2-Toluidine	106	7.927	7.933	-0.006	96	17535	0.1250	0.1600	
32 Hexachloroethane	117	8.032	8.032	0.000	95	5336	0.1250	0.1749	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.102	8.102	0.000	89	25322	0.2500	0.2575	
34 Nitrobenzene	77	8.131	8.131	0.000	85	13886	0.1250	0.1400	
35 N-Nitrosopiperidine	114	8.358	8.364	-0.006	91	5590	0.1250	0.1264	
36 Isophorone	82	8.504	8.504	0.000	95	21898	0.1250	0.1227	
37 2-Nitrophenol	139	8.621	8.621	0.000	88	4864	0.1250	0.1124	
38 2,4-Dimethylphenol	107	8.697	8.702	-0.006	95	10621	0.1250	0.1255	
40 Benzoic acid	105	8.749	8.825	-0.076	87	32334	1.25	0.6063	
39 o,o',o"-Triethylphosphorothioat	198	8.831	8.830	0.001	89	4402	0.1250	0.1209	
41 Bis(2-chloroethoxy)methane	93	8.866	8.865	0.001	93	14512	0.1250	0.1280	
42 2,4-Dichlorophenol	162	8.988	8.994	-0.006	96	7812	0.1250	0.1226	
43 1,2,4-Trichlorobenzene	180	9.134	9.134	0.000	91	8712	0.1250	0.1324	
* 44 Naphthalene-d8	136	9.215	9.215	0.000	100	1075508	5.00	5.00	
45 Naphthalene	128	9.250	9.250	0.000	96	31656	0.1250	0.1323	
46 4-Chloroaniline	127	9.338	9.343	-0.005	92	12502	0.1250	0.1298	
47 2,6-Dichlorophenol	162	9.349	9.349	0.000	88	7898	0.1250	0.1317	
48 Hexachloropropene	213	9.396	9.396	0.000	87	5158	0.1250	0.1264	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	94	4820	0.1250	0.1379	
S 51 Diallate	86				0		0.1250	0.1230	
50 Quinoline	129	9.769	9.775	-0.006	97	20567	0.1250	0.1355	
52 Caprolactam	113	9.827	9.862	-0.035	78	2919	0.1250	0.1069	
53 N-Nitrosodi-n-butylamine	84	9.903	9.903	0.000	95	8011	0.1250	0.1189	
54 4-Chloro-3-methylphenol	107	10.119	10.124	-0.005	93	8537	0.1250	0.1205	
55 Safrole, Total	162	10.235	10.235	0.000	91	7246	0.1250	0.1264	
56 2-Methylnaphthalene	142	10.358	10.358	0.000	93	19084	0.1250	0.1263	
57 1-Methylnaphthalene	142	10.509	10.509	0.000	92	18968	0.1250	0.1322	
58 Hexachlorocyclopentadiene	237	10.614	10.614	0.000	89	4252	0.1250	0.1059	
59 1,2,4,5-Tetrachlorobenzene	216	10.620	10.626	-0.006	95	7960	0.1250	0.1221	
60 Isosafrole Peak 1	162	10.702	10.707	-0.005	80	1448	0.0200	0.0205	
61 2,4,6-Trichlorophenol	196	10.806	10.812	-0.006	90	4558	0.1250	0.1006	
62 2,4,5-Trichlorophenol	196	10.853	10.859	-0.006	94	5281	0.1250	0.1116	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.964	10.964	0.000	99	42064	0.2500	0.2537	
64 Isosafrole Peak 2	162	11.069	11.069	0.000	81	6528	0.1050	0.0894	
65 1,1'-Biphenyl	154	11.115	11.115	0.000	94	23175	0.1250	0.1205	
66 2-Chloronaphthalene	162	11.133	11.133	0.000	95	19430	0.1250	0.1329	
67 1-Chloronaphthalene	162	11.162	11.168	-0.006	96	16428	0.1250	0.1197	
68 Phenyl ether	170	11.296	11.296	0.000	85	12580	0.1250	0.1236	
69 2-Nitroaniline	138	11.302	11.308	-0.006	72	5480	0.1250	0.1092	
70 1,4-Naphthoquinone	158	11.418	11.424	-0.006	82	5856	0.1250	0.0958	
71 1,4-Dinitrobenzene	168	11.529	11.535	-0.006	86	2427	0.1250	0.0906	
72 Dimethyl phthalate	163	11.617	11.622	-0.005	96	19607	0.1250	0.1250	
73 1,3-Dinitrobenzene	168	11.640	11.640	0.000	83	2997	0.1250	0.1012	
74 2,6-Dinitrotoluene	165	11.692	11.692	0.000	83	3788	0.1250	0.1020	
75 Acenaphthylene	152	11.768	11.768	0.000	99	24780	0.1250	0.1141	
76 3-Nitroaniline	138	11.914	11.920	-0.006	86	4653	0.1250	0.1129	
* 77 Acenaphthene-d10	164	11.972	11.972	0.000	97	534755	5.00	5.00	
78 Acenaphthene	153	12.013	12.013	0.000	96	17669	0.1250	0.1179	
79 2,4-Dinitrophenol	184	12.060	12.065	-0.005	84	15709	1.13	0.5923	
80 4-Nitrophenol	109	12.147	12.153	-0.006	84	13074	0.6250	0.4829	
81 Pentachlorobenzene	250	12.188	12.194	-0.006	94	6743	0.1250	0.1315	
82 2,4-Dinitrotoluene	165	12.240	12.240	0.000	89	5568	0.1250	0.1128	
83 Dibenzofuran	168	12.246	12.246	0.000	97	25734	0.1250	0.1280	
84 1-Naphthylamine	143	12.345	12.345	0.000	96	17566	0.1250	0.1166	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.404	12.403	0.001	73	3948	0.1250	0.1152	
86 2-Naphthylamine	143	12.444	12.444	0.000	93	17589	0.1250	0.1203	
87 Diethyl phthalate	149	12.567	12.572	-0.005	98	18523	0.1250	0.1133	
88 Thionazin	107	12.666	12.666	0.000	78	4071	0.1250	0.1338	
89 Fluorene	166	12.672	12.672	0.000	96	19082	0.1250	0.1204	
90 N-Nitro-o-toluidine	152	12.689	12.695	-0.006	73	5653	0.1250	0.1209	
91 4-Chlorophenyl phenyl ether	204	12.695	12.695	0.000	85	9107	0.1250	0.1223	
92 4-Nitroaniline	138	12.689	12.701	-0.012	77	5131	0.1250	0.1147	
93 4,6-Dinitro-2-methylphenol	198	12.742	12.741	0.001	75	10854	0.6250	0.3583	
94 N-Nitrosodiphenylamine	169	12.835	12.841	-0.006	62	15659	0.1250	0.1190	
95 1,2-Diphenylhydrazine	77	12.887	12.887	0.000	41	20903	0.1250	0.1146	
\$ 96 2,4,6-Tribromophenol	330	12.969	12.975	-0.006	83	3616	0.2500	0.2176	
97 Sulfotepp	97	13.062	13.062	0.000	73	3816	0.1250	0.1267	
98 cis-Diallate	86	13.214	13.214	0.000	86	7762	0.0925	0.0950	
99 Phorate	75	13.220	13.219	0.001	94	12281	0.1250	0.1091	
100 Phenacetin	108	13.225	13.231	-0.006	89	8553	0.1250	0.0991	
101 4-Bromophenyl phenyl ether	248	13.301	13.301	0.000	70	4688	0.1250	0.1285	a
102 trans-Diallate	86	13.324	13.324	0.000	86	2329	0.0325	0.0280	
103 Hexachlorobenzene	284	13.359	13.359	0.000	90	5005	0.1250	0.1299	
104 Dimethoate	87	13.418	13.423	-0.005	96	8468	0.1250	0.1027	
105 Atrazine	200	13.523	13.523	0.000	86	4728	0.1250	0.1154	
106 Pentachlorophenol	266	13.616	13.616	0.000	90	3045	0.1250	0.1111	
108 4-Aminobiphenyl	169	13.628	13.633	-0.005	90	17466	0.1250	0.1219	
107 Pentachloronitrobenzene	237	13.633	13.633	0.000	47	1478	0.1250	0.0863	
109 Pronamide	173	13.721	13.721	0.000	90	7185	0.1250	0.0999	
* 110 Phenanthrene-d10	188	13.867	13.866	0.000	98	971967	5.00	5.00	
111 Dinoseb	211	13.872	13.872	0.000	61	2679	0.1250	0.0683	
112 Phenanthrene	178	13.896	13.901	-0.005	98	28042	0.1250	0.1269	
113 Anthracene	178	13.966	13.971	-0.005	97	26264	0.1250	0.1187	
114 Carbazole	167	14.187	14.187	0.000	96	25540	0.1250	0.1178	
115 Methyl parathion	109	14.391	14.391	0.000	88	5802	0.1250	0.0891	
116 Di-n-butyl phthalate	149	14.706	14.706	0.000	100	31320	0.1250	0.1117	
117 Ethyl Parathion	109	14.951	14.951	0.000	80	3257	0.1250	0.0865	
118 4-Nitroquinoline-1-oxide	190	14.968	14.974	-0.006	71	1567	0.1250	0.0580	
119 Octachlorostyrene	308	15.318	15.318	0.000	84	2199	0.1250	0.1461	
120 Isodrin	193	15.376	15.376	0.000	85	4195	0.1250	0.1541	
121 Fluoranthene	202	15.603	15.603	0.000	99	30132	0.1250	0.1202	
122 Benzidine	184	15.825	15.831	-0.006	100	181715	1.00	1.11	
* 123 Pyrene-d10 (IS)	212	15.924	15.930	-0.006	99	964481	5.00	5.00	
124 Pyrene	202	15.953	15.959	-0.006	98	34626	0.1250	0.1303	
\$ 125 p-Terphenyl-d14	244	16.239	16.239	0.000	99	36846	0.2500	0.2518	
126 p-Dimethylamino azobenzene	225	16.472	16.472	0.000	94	4031	0.1250	0.0892	
127 Chlorobenzilate	139	16.565	16.565	0.000	81	8238	0.1250	0.0996	
128 3,3'-Dimethylbenzidine	212	17.043	17.043	0.000	99	16902	0.1250	0.1022	
129 Butyl benzyl phthalate	149	17.101	17.101	0.000	97	12652	0.1250	0.0974	
130 2-Acetylaminofluorene	181	17.463	17.474	-0.011	94	5573	0.1250	0.0570	
131 3,3'-Dichlorobenzidine	252	17.987	17.987	0.000	75	8033	0.1250	0.0967	
132 Benzo[a]anthracene	228	17.999	18.005	-0.006	99	25111	0.1250	0.1210	
133 4,4'-Methylene bis(2-chloroani	231	18.011	18.011	0.000	63	4550	0.1250	0.1014	
134 Chrysene	228	18.063	18.069	-0.006	97	27417	0.1250	0.1257	
135 Bis(2-ethylhexyl) phthalate	149	18.180	18.180	0.000	97	17180	0.1250	0.0936	
136 6-Methylchrysene	242	18.879	18.879	0.000	97	16529	0.1250	0.1057	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.351	19.351	0.000	99	24396	0.1250	0.0797	
138 Benzo[b]fluoranthene	252	19.876	19.882	-0.006	95	23312	0.1250	0.1137	
139 7,12-Dimethylbenz(a)anthracene	256	19.876	19.887	-0.011	70	9702	0.1250	0.1031	
140 Benzo[k]fluoranthene	252	19.922	19.934	-0.012	98	24965	0.1250	0.1201	
141 Benzo[a]pyrene	252	20.406	20.412	-0.006	81	21076	0.1250	0.1075	
* 142 Perylene-d12	264	20.505	20.505	0.000	96	863517	5.00	5.00	
143 3-Methylcholanthrene	268	20.977	20.989	-0.012	93	10714	0.1250	0.1042	
144 Dibenz[a,h]acridine	279	21.811	21.817	-0.006	91	12877	0.1250	0.0855	
145 Dibenz[a,j]acridine	279	21.887	21.892	-0.005	94	14526	0.1250	0.0897	
146 Indeno[1,2,3-cd]pyrene	276	22.161	22.166	-0.005	97	17898	0.1250	0.1084	
147 Dibenz(a,h)anthracene	278	22.201	22.207	-0.006	93	17514	0.1250	0.0991	
148 Benzo[g,h,i]perylene	276	22.586	22.598	-0.012	92	20306	0.1250	0.1127	
S 152 Dinitrotoluene	165				0		0.2500	0.2148	
S 170 Isosafrole	162				0		0.1250	0.1099	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_1_00006

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:07:16

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0632.D

Injection Date: 15-Apr-2020 19:18:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: ICL1

Worklist Smp#:

Client ID:

Injection Vol: 1.0 ul

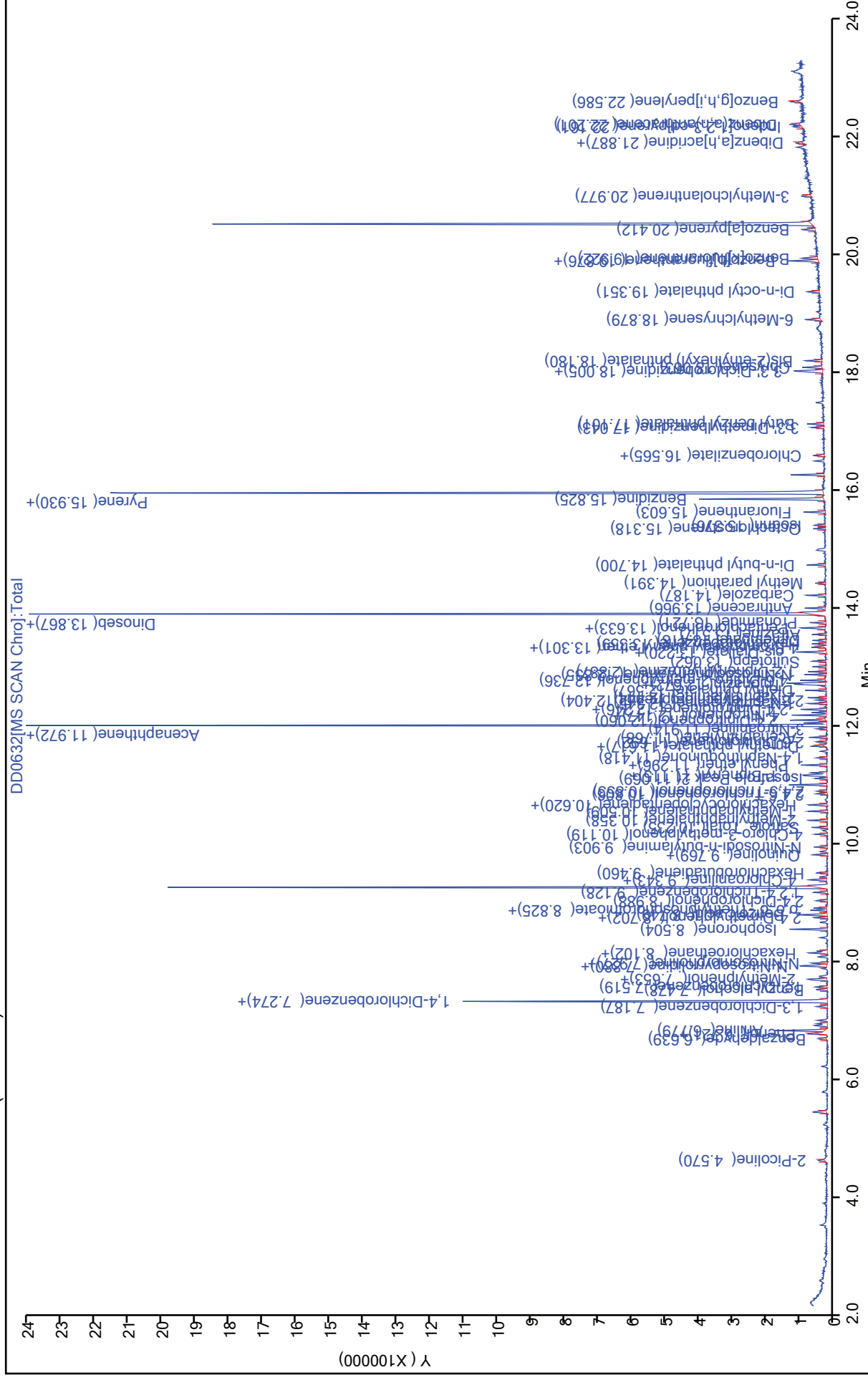
Dil. Factor:

ALS Bottle#: 3

Method: MSSemi HP19760

Limit Group: MSSV - 8270D ELVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0632.D

Injection Date: 15-Apr-2020 19:18:30

Instrument ID: HP19760

Lims ID: IC L1

Client ID:

Operator ID: em10340

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

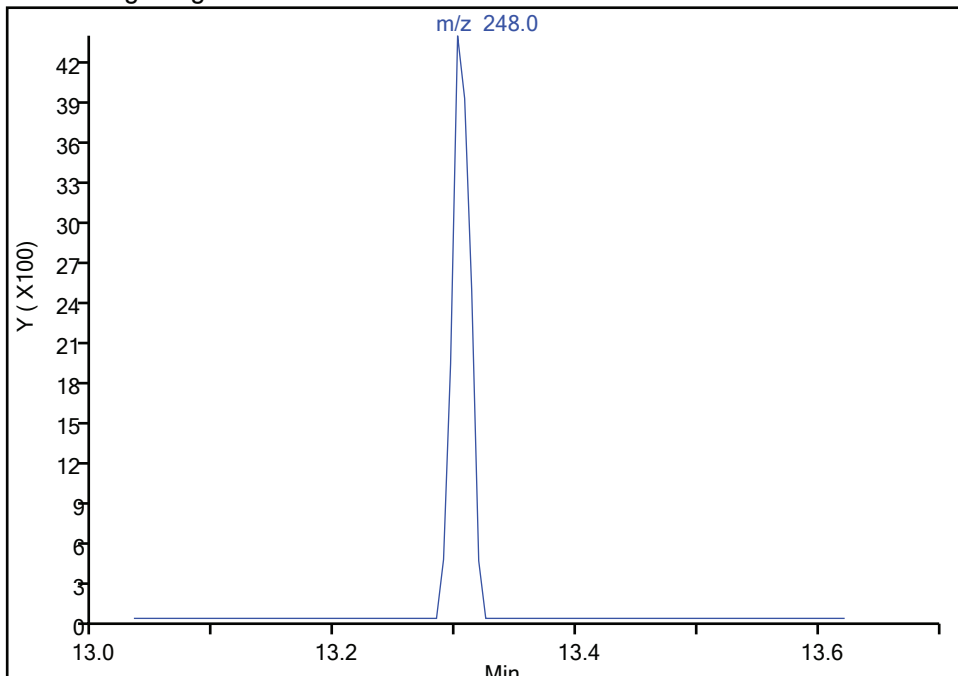
101 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

Not Detected

Expected RT: 13.30

Processing Integration Results



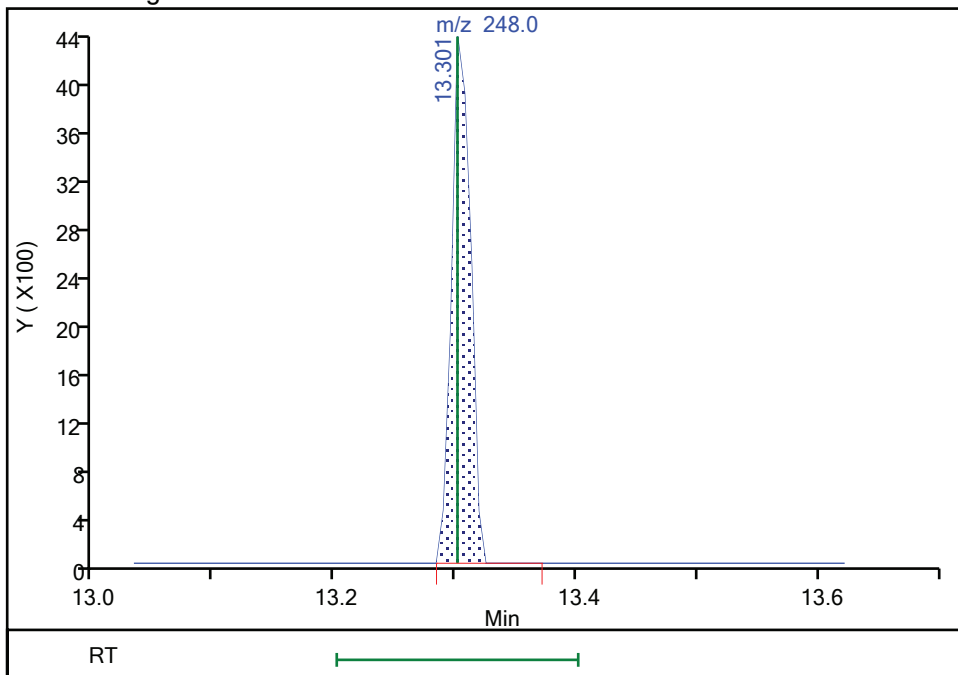
RT: 13.30

Area: 4688

Amount: 0.128477

Amount Units: ug/ml

Manual Integration Results



Reviewer: bauera, 04-Jun-2020 17:06:26

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0633.D
 Lims ID: IC L8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 15-Apr-2020 19:46:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SSTD030;RVSTD0940;1;1;STD;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:06:54 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 17:06:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.880	2.885	-0.005	95	1148523	30.0	32.1	
2 N-Nitrosodimethylamine	74	3.410	3.404	0.006	91	1769874	30.0	31.4	
3 Pyridine	79	3.427	3.427	0.000	94	3062617	30.0	31.2	
4 2-Picoline	93	4.558	4.552	0.006	90	3074183	30.0	30.9	
5 N-Nitrosomethylethylamine	88	4.745	4.739	0.006	88	1334118	30.0	31.3	
7 Methyl methanesulfonate	80	5.188	5.176	0.012	85	1423497	30.0	31.2	
\$ 8 2-Fluorophenol	112	5.403	5.392	0.011	95	4872212	60.0	60.7	
9 N-Nitrosodiethylamine	102	5.741	5.735	0.006	93	1273231	30.0	31.6	
10 Ethyl methanesulfonate	109	6.179	6.167	0.012	98	1316957	30.0	31.0	
12 Benzaldehyde	77	6.639	6.639	0.000	96	1819329	30.0	28.0	
\$ 13 Phenol-d5	99	6.744	6.726	0.018	99	6310407	60.0	58.8	
14 Phenol	94	6.761	6.744	0.017	93	3236479	30.0	29.6	
15 Aniline	93	6.796	6.790	0.006	96	4112815	30.0	30.4	
16 Bis(2-chloroethyl)ether	93	6.907	6.895	0.012	93	2684390	30.0	29.3	
17 2-Chlorophenol	128	6.960	6.954	0.006	93	2348260	30.0	29.7	
18 1,3-Dichlorobenzene	146	7.187	7.187	0.000	95	2396212	30.0	29.5	
* 19 1,4-Dichlorobenzene-d4	152	7.274	7.274	0.000	95	266542	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.298	7.298	0.000	91	2430597	30.0	29.6	
21 Benzyl alcohol	108	7.490	7.478	0.012	92	1534232	30.0	29.6	
22 1,2-Dichlorobenzene	146	7.519	7.519	0.000	95	2288176	30.0	29.4	
23 2-Methylphenol	108	7.653	7.647	0.006	93	2195131	30.0	29.8	
24 Indene	115	7.659	7.653	0.006	87	3404551	30.0	28.6	
25 2,2'-oxybis[1-chloropropane]	45	7.706	7.700	0.006	96	3487712	30.0	29.3	
26 N-Nitrosopyrrolidine	100	7.869	7.840	0.029	96	1267518	30.0	30.3	
27 Acetophenone	105	7.892	7.880	0.012	95	3125208	30.0	28.9	
28 4-Methylphenol	108	7.898	7.880	0.018	94	2212557	30.0	28.8	
29 N-Nitrosodi-n-propylamine	70	7.915	7.892	0.023	78	1780461	30.0	28.8	
30 N-Nitrosomorpholine	56	7.933	7.910	0.023	91	1649615	30.0	28.8	
31 2-Toluidine	106	7.945	7.933	0.012	95	3630944	30.0	28.9	
32 Hexachloroethane	117	8.032	8.032	0.000	97	1010454	30.0	28.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.119	8.102	0.017	88	5232376	60.0	57.3	
34 Nitrobenzene	77	8.143	8.131	0.012	87	2630425	30.0	28.6	
35 N-Nitrosopiperidine	114	8.376	8.364	0.012	87	1217488	30.0	29.7	
36 Isophorone	82	8.516	8.504	0.012	97	4913158	30.0	29.7	
37 2-Nitrophenol	139	8.627	8.621	0.006	91	1227109	30.0	30.5	
38 2,4-Dimethylphenol	107	8.714	8.702	0.012	96	2343632	30.0	29.8	
40 Benzoic acid	105	8.900	8.825	0.075	86	1710627	30.0	34.6	
39 o,o',o"-Triethylphosphorothioat	198	8.836	8.830	0.006	93	986355	30.0	29.2	
41 Bis(2-chloroethoxy)methane	93	8.877	8.865	0.012	95	2967802	30.0	28.2	
42 2,4-Dichlorophenol	162	9.000	8.994	0.006	97	1754233	30.0	29.7	
43 1,2,4-Trichlorobenzene	180	9.134	9.134	0.000	93	1769234	30.0	29.0	
* 44 Naphthalene-d8	136	9.215	9.215	0.000	99	998257	5.00	5.00	
45 Naphthalene	128	9.256	9.250	0.006	98	6141801	30.0	27.7	
46 4-Chloroaniline	127	9.349	9.343	0.006	94	2578272	30.0	28.9	
47 2,6-Dichlorophenol	162	9.361	9.349	0.012	94	1617416	30.0	29.1	
48 Hexachloropropene	213	9.396	9.396	0.000	90	1143093	30.0	30.2	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	98	948520	30.0	29.2	
S 51 Diallate	86				0		30.0	30.2	
50 Quinoline	129	9.786	9.775	0.011	96	4021063	30.0	28.5	
52 Caprolactam	113	9.926	9.862	0.064	76	766750	30.0	30.3	
53 N-Nitrosodi-n-butylamine	84	9.915	9.903	0.012	93	2142927	30.0	34.3	
54 4-Chloro-3-methylphenol	107	10.142	10.124	0.018	95	1945179	30.0	29.6	
55 Safrole, Total	162	10.241	10.235	0.006	86	1559292	30.0	29.3	
56 2-Methylnaphthalene	142	10.363	10.358	0.005	92	4039756	30.0	28.8	
57 1-Methylnaphthalene	142	10.515	10.509	0.006	92	3776277	30.0	28.4	
58 Hexachlorocyclopentadiene	237	10.620	10.614	0.006	97	1032541	30.0	30.5	
59 1,2,4,5-Tetrachlorobenzene	216	10.626	10.626	0.000	98	1601520	30.0	29.2	
60 Isosafrole Peak 1	162	10.707	10.707	0.000	88	288223	4.80	4.85	
61 2,4,6-Trichlorophenol	196	10.818	10.812	0.006	95	1165506	30.0	30.5	
62 2,4,5-Trichlorophenol	196	10.871	10.859	0.012	92	1210641	30.0	30.4	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.970	10.964	0.006	98	7478425	60.0	53.6	
64 Isosafrole Peak 2	162	11.075	11.069	0.006	89	1540082	25.2	25.0	
65 1,1'-Biphenyl	154	11.127	11.115	0.012	97	4534255	30.0	28.0	
66 2-Chloronaphthalene	162	11.145	11.133	0.012	96	3454791	30.0	28.1	
67 1-Chloronaphthalene	162	11.174	11.168	0.006	96	3330950	30.0	28.8	
68 Phenyl ether	170	11.302	11.296	0.006	87	2480849	30.0	29.0	
69 2-Nitroaniline	138	11.314	11.308	0.006	82	1294317	30.0	30.7	
70 1,4-Naphthoquinone	158	11.430	11.424	0.006	85	1558504	30.0	30.3	
71 1,4-Dinitrobenzene	168	11.547	11.535	0.012	89	709833	30.0	31.5	
72 Dimethyl phthalate	163	11.634	11.622	0.012	97	3895163	30.0	29.5	
73 1,3-Dinitrobenzene	168	11.652	11.640	0.012	85	778043	30.0	31.2	
74 2,6-Dinitrotoluene	165	11.704	11.692	0.012	93	991988	30.0	31.7	
75 Acenaphthylene	152	11.774	11.768	0.006	99	5319201	30.0	29.1	
76 3-Nitroaniline	138	11.931	11.920	0.011	88	1127132	30.0	32.5	
* 77 Acenaphthene-d10	164	11.972	11.972	0.000	97	450139	5.00	5.00	
78 Acenaphthene	153	12.019	12.013	0.006	96	3606019	30.0	28.6	
79 2,4-Dinitrophenol	184	12.077	12.065	0.012	85	738805	30.0	33.1	
80 4-Nitrophenol	109	12.170	12.153	0.017	83	758665	30.0	33.3	
81 Pentachlorobenzene	250	12.194	12.194	0.000	97	1233015	30.0	28.6	
82 2,4-Dinitrotoluene	165	12.252	12.240	0.012	82	1252928	30.0	30.2	
83 Dibenzofuran	168	12.252	12.246	0.006	96	4598664	30.0	27.2	
84 1-Naphthylamine	143	12.357	12.345	0.012	98	3826876	30.0	30.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.409	12.403	0.006	78	900978	30.0	31.2	
86 2-Naphthylamine	143	12.456	12.444	0.012	95	3679517	30.0	29.9	
87 Diethyl phthalate	149	12.584	12.572	0.012	98	4210601	30.0	30.6	
88 Thionazin	107	12.683	12.666	0.017	79	750174	30.0	29.3	
89 Fluorene	166	12.677	12.672	0.005	95	3730552	30.0	28.0	
90 N-Nitro-o-toluidine	152	12.707	12.695	0.012	92	1212590	30.0	30.8	
91 4-Chlorophenyl phenyl ether	204	12.695	12.695	0.000	94	1768285	30.0	28.2	
92 4-Nitroaniline	138	12.718	12.701	0.017	81	1139886	30.0	30.3	
93 4,6-Dinitro-2-methylphenol	198	12.759	12.741	0.018	80	840913	30.0	31.5	
94 N-Nitrosodiphenylamine	169	12.846	12.841	0.005	63	3450630	30.0	29.8	
95 1,2-Diphenylhydrazine	77	12.893	12.887	0.006	41	4733856	30.0	29.5	
\$ 96 2,4,6-Tribromophenol	330	12.981	12.975	0.006	82	843180	60.0	60.3	
97 Sulfotepp	97	13.068	13.062	0.006	78	813929	30.0	30.7	
98 cis-Diallate	86	13.220	13.214	0.006	95	1597947	22.2	22.2	
99 Phorate	75	13.231	13.219	0.012	96	2996867	30.0	30.2	
100 Phenacetin	108	13.254	13.231	0.023	92	2352905	30.0	30.9	
101 4-Bromophenyl phenyl ether	248	13.307	13.301	0.006	71	966827	30.0	30.1	
102 trans-Diallate	86	13.324	13.324	0.000	95	587259	7.80	8.01	
103 Hexachlorobenzene	284	13.365	13.359	0.006	91	987283	30.0	29.1	
104 Dimethoate	87	13.441	13.423	0.018	97	2176987	30.0	30.0	
105 Atrazine	200	13.534	13.523	0.011	90	996324	30.0	27.6	
106 Pentachlorophenol	266	13.628	13.616	0.012	90	748092	30.0	31.0	
108 4-Aminobiphenyl	169	13.639	13.633	0.006	91	3506184	30.0	27.8	
107 Pentachloronitrobenzene	237	13.645	13.633	0.012	82	458153	30.0	30.4	
109 Pronamide	173	13.732	13.721	0.011	90	1916285	30.0	30.2	
* 110 Phenanthrene-d10	188	13.872	13.866	0.006	96	856202	5.00	5.00	
111 Dinoseb	211	13.878	13.872	0.006	95	1156325	30.0	33.5	
112 Phenanthrene	178	13.907	13.901	0.006	99	5450818	30.0	28.0	
113 Anthracene	178	13.977	13.971	0.006	99	5642741	30.0	29.0	
114 Carbazole	167	14.193	14.187	0.006	96	5549805	30.0	29.1	
115 Methyl parathion	109	14.397	14.391	0.006	90	1778915	30.0	31.0	
116 Di-n-butyl phthalate	149	14.712	14.706	0.006	100	7034025	30.0	28.5	
117 Ethyl Parathion	109	14.962	14.951	0.011	84	1073899	30.0	32.4	
118 4-Nitroquinoline-1-oxide	190	14.986	14.974	0.012	90	813141	30.0	34.2	
119 Octachlorostyrene	308	15.324	15.318	0.006	92	400702	30.0	30.2	
120 Isodrin	193	15.382	15.376	0.006	91	727852	30.0	30.4	
121 Fluoranthene	202	15.609	15.603	0.006	99	6556007	30.0	29.7	
122 Benzidine	184	15.848	15.831	0.017	98	11764653	90.0	81.3	
* 123 Pyrene-d10 (IS)	212	15.930	15.930	0.000	99	855224	5.00	5.00	
124 Pyrene	202	15.965	15.959	0.006	96	6546162	30.0	27.8	
\$ 125 p-Terphenyl-d14	244	16.250	16.239	0.011	98	7059507	60.0	54.4	
126 p-Dimethylamino azobenzene	225	16.478	16.472	0.006	92	1247531	30.0	31.1	
127 Chlorobenzilate	139	16.571	16.565	0.006	84	2208624	30.0	30.1	
128 3,3'-Dimethylbenzidine	212	17.055	17.043	0.012	99	4567499	30.0	31.2	
129 Butyl benzyl phthalate	149	17.107	17.101	0.006	97	3430468	30.0	29.8	
130 2-Acetylaminofluorene	181	17.492	17.474	0.018	95	2936615	30.0	33.9	
131 3,3'-Dichlorobenzidine	252	18.005	17.987	0.018	77	2230774	30.0	30.3	
132 Benzo[a]anthracene	228	18.016	18.005	0.011	99	5331187	30.0	29.0	
133 4,4'-Methylene bis(2-chloroani	231	18.022	18.011	0.011	84	1179122	30.0	29.6	
134 Chrysene	228	18.086	18.069	0.017	97	5529578	30.0	28.6	
135 Bis(2-ethylhexyl) phthalate	149	18.186	18.180	0.006	97	4873990	30.0	29.9	
136 6-Methylchrysene	242	18.891	18.879	0.012	99	4173088	30.0	30.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.363	19.351	0.012	99	8517236	30.0	29.8	
138 Benzo[b]fluoranthene	252	19.905	19.882	0.023	95	5951864	30.0	31.0	
139 7,12-Dimethylbenz(a)anthracene	256	19.905	19.887	0.018	83	2731757	30.0	31.1	
140 Benzo[k]fluoranthene	252	19.957	19.934	0.023	99	5628462	30.0	29.0	
141 Benzo[a]pyrene	252	20.435	20.412	0.023	81	5768287	30.0	31.5	
* 142 Perylene-d12	264	20.511	20.505	0.006	96	807478	5.00	5.00	
143 3-Methylcholanthrene	268	21.001	20.989	0.012	94	3092894	30.0	32.2	
144 Dibenz[a,h]acridine	279	21.828	21.817	0.011	92	4311106	30.0	30.6	
145 Dibenz[a,j]acridine	279	21.916	21.892	0.024	95	4446120	30.0	29.4	
146 Indeno[1,2,3-cd]pyrene	276	22.190	22.166	0.024	97	4891831	30.0	31.7	
147 Dibenz(a,h)anthracene	278	22.231	22.207	0.024	97	5068296	30.0	30.7	
148 Benzo[g,h,i]perylene	276	22.627	22.598	0.029	94	4840786	30.0	28.7	
S 152 Dinitrotoluene	165				0		60.0	61.9	
S 170 Isosafrole	162				0		30.0	29.9	

Reagents:

MSS_RV8270_8_00005

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:06:55

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0633.D

Injection Date: 15-Apr-2020 19:46:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: ICL8

Client ID:

Injection Vol: 1.0 ul

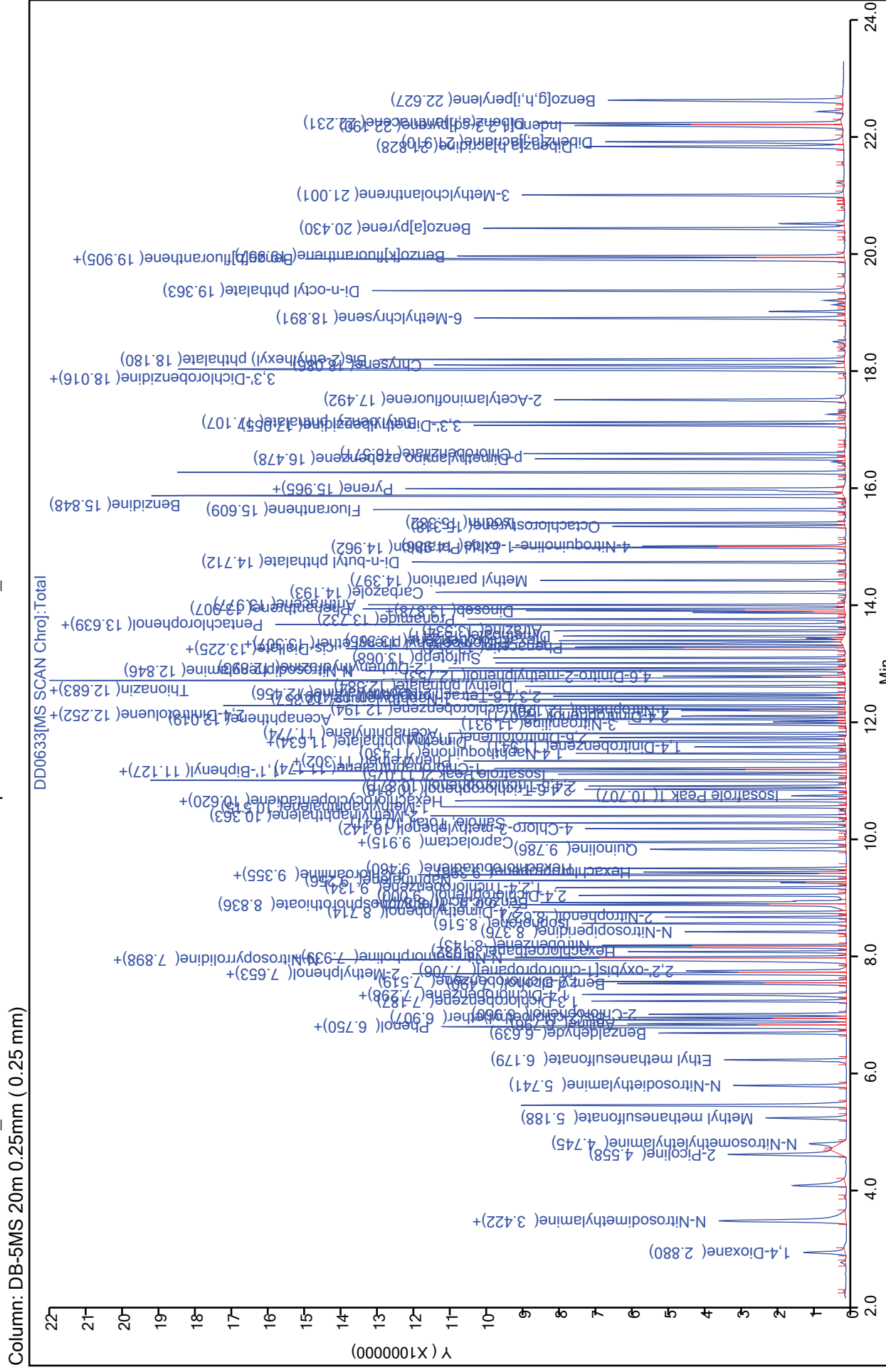
Method: MSSemi HP19760

Dil. Factor:

1.0000

Limit Group:

MSSV - 8270D ELVI



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0634.D
 Lims ID: IC L7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Apr-2020 20:14:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SST020;RVSTD0940;1;1;STD;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:07:26 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:49:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.880	2.885	-0.005	95	710224	20.0	20.6	
2 N-Nitrosodimethylamine	74	3.404	3.404	0.000	91	1119245	20.0	20.6	
3 Pyridine	79	3.427	3.427	0.000	94	1938179	20.0	20.5	
4 2-Picoline	93	4.552	4.552	0.000	90	1972925	20.0	20.6	
5 N-Nitrosomethylethylamine	88	4.739	4.739	0.000	89	845860	20.0	20.6	
7 Methyl methanesulfonate	80	5.176	5.176	0.000	85	910939	20.0	20.7	
\$ 8 2-Fluorophenol	112	5.398	5.392	0.006	94	3153069	40.0	40.7	
9 N-Nitrosodiethylamine	102	5.736	5.735	0.001	94	817997	20.0	21.0	
10 Ethyl methanesulfonate	109	6.173	6.167	0.006	99	864934	20.0	21.1	
12 Benzaldehyde	77	6.639	6.639	0.000	95	1332109	20.0	21.2	
\$ 13 Phenol-d5	99	6.732	6.726	0.006	99	4200903	40.0	40.6	
14 Phenol	94	6.756	6.744	0.012	93	2148579	20.0	20.4	
15 Aniline	93	6.791	6.790	0.001	95	2722001	20.0	20.9	
16 Bis(2-chloroethyl)ether	93	6.901	6.895	0.006	94	1782221	20.0	20.2	
17 2-Chlorophenol	128	6.960	6.954	0.006	94	1555759	20.0	20.4	
18 1,3-Dichlorobenzene	146	7.187	7.187	0.000	96	1577751	20.0	20.2	
* 19 1,4-Dichlorobenzene-d4	152	7.274	7.274	0.000	97	257029	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.298	7.298	0.000	91	1597927	20.0	20.2	
21 Benzyl alcohol	108	7.484	7.478	0.006	92	1046640	20.0	20.9	
22 1,2-Dichlorobenzene	146	7.519	7.519	0.000	95	1527112	20.0	20.3	
23 2-Methylphenol	108	7.647	7.647	0.000	94	1470014	20.0	20.7	
24 Indene	115	7.653	7.653	0.000	87	2383236	20.0	20.8	
25 2,2'-oxybis[1-chloropropane]	45	7.700	7.700	0.000	96	2316207	20.0	20.2	
26 N-Nitrosopyrrolidine	100	7.851	7.840	0.011	95	840712	20.0	20.8	
27 Acetophenone	105	7.886	7.880	0.006	97	2079313	20.0	19.9	
28 4-Methylphenol	108	7.892	7.880	0.012	94	1494225	20.0	20.2	
29 N-Nitrosodi-n-propylamine	70	7.904	7.892	0.012	79	1206049	20.0	20.3	
30 N-Nitrosomorpholine	56	7.921	7.910	0.011	91	1106382	20.0	20.0	
31 2-Toluidine	106	7.933	7.933	0.000	96	2438499	20.0	20.2	
32 Hexachloroethane	117	8.032	8.032	0.000	96	675359	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.108	8.102	0.006	88	3531793	40.0	39.2	
34 Nitrobenzene	77	8.137	8.131	0.006	86	1770358	20.0	19.5	
35 N-Nitrosopiperidine	114	8.370	8.364	0.006	88	806184	20.0	19.9	
36 Isophorone	82	8.510	8.504	0.006	97	3269521	20.0	20.0	
37 2-Nitrophenol	139	8.621	8.621	0.000	91	805296	20.0	20.3	
38 2,4-Dimethylphenol	107	8.708	8.702	0.006	95	1547293	20.0	20.0	
40 Benzoic acid	105	8.860	8.825	0.035	88	960373	20.0	19.7	
39 o,o',o"-Triethylphosphorothioat	198	8.831	8.830	0.001	92	658358	20.0	19.8	
41 Bis(2-chloroethoxy)methane	93	8.871	8.865	0.006	96	2026886	20.0	19.5	
42 2,4-Dichlorophenol	162	8.994	8.994	0.000	97	1159441	20.0	19.9	
43 1,2,4-Trichlorobenzene	180	9.134	9.134	0.000	93	1199393	20.0	19.9	
* 44 Naphthalene-d8	136	9.215	9.215	0.000	99	984464	5.00	5.00	
45 Naphthalene	128	9.250	9.250	0.000	98	4191638	20.0	19.1	
46 4-Chloroaniline	127	9.344	9.343	0.001	94	1739116	20.0	19.7	
47 2,6-Dichlorophenol	162	9.355	9.349	0.006	94	1082316	20.0	19.7	
48 Hexachloropropene	213	9.396	9.396	0.000	90	750385	20.0	20.1	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	98	629399	20.0	19.7	
S 51 Diallate	86				0		20.0	19.9	
50 Quinoline	129	9.781	9.775	0.006	96	2728467	20.0	19.6	
52 Caprolactam	113	9.897	9.862	0.035	73	505684	20.0	20.2	
53 N-Nitrosodi-n-butylamine	84	9.909	9.903	0.006	93	1426494	20.0	23.1	
54 4-Chloro-3-methylphenol	107	10.130	10.124	0.006	95	1301143	20.0	20.1	
55 Safrole, Total	162	10.235	10.235	0.000	88	1047463	20.0	20.0	
56 2-Methylnaphthalene	142	10.358	10.358	0.000	92	2719075	20.0	19.7	
57 1-Methylnaphthalene	142	10.509	10.509	0.000	93	2565236	20.0	19.5	
58 Hexachlorocyclopentadiene	237	10.614	10.614	0.000	97	681906	20.0	20.1	
59 1,2,4,5-Tetrachlorobenzene	216	10.626	10.626	0.000	98	1076815	20.0	19.5	
60 Isosafrole Peak 1	162	10.702	10.707	-0.005	89	195077	3.20	3.27	
61 2,4,6-Trichlorophenol	196	10.812	10.812	0.000	95	779450	20.0	20.3	
62 2,4,5-Trichlorophenol	196	10.865	10.859	0.006	93	822121	20.0	20.6	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.964	10.964	0.000	99	5332621	40.0	38.1	
64 Isosafrole Peak 2	162	11.075	11.069	0.006	89	1033530	16.8	16.7	
65 1,1'-Biphenyl	154	11.121	11.115	0.006	96	3155281	20.0	19.4	
66 2-Chloronaphthalene	162	11.139	11.133	0.006	98	2306217	20.0	18.7	
67 1-Chloronaphthalene	162	11.168	11.168	0.000	96	2296977	20.0	19.8	
68 Phenyl ether	170	11.296	11.296	0.000	86	1668134	20.0	19.4	
69 2-Nitroaniline	138	11.308	11.308	0.000	86	858804	20.0	20.3	
70 1,4-Naphthoquinone	158	11.424	11.424	0.000	86	1031372	20.0	20.0	
71 1,4-Dinitrobenzene	168	11.541	11.535	0.006	89	459989	20.0	20.3	
72 Dimethyl phthalate	163	11.628	11.622	0.006	97	2619330	20.0	19.8	
73 1,3-Dinitrobenzene	168	11.646	11.640	0.006	85	503970	20.0	20.1	
74 2,6-Dinitrotoluene	165	11.698	11.692	0.006	93	651007	20.0	20.7	
75 Acenaphthylene	152	11.774	11.768	0.006	99	3635691	20.0	19.8	
76 3-Nitroaniline	138	11.926	11.920	0.006	88	738902	20.0	21.2	
* 77 Acenaphthene-d10	164	11.972	11.972	0.000	97	451984	5.00	5.00	
78 Acenaphthene	153	12.019	12.013	0.006	96	2462953	20.0	19.4	
79 2,4-Dinitrophenol	184	12.065	12.065	0.000	86	477776	20.0	21.3	
80 4-Nitrophenol	109	12.159	12.153	0.006	84	496021	20.0	21.7	
81 Pentachlorobenzene	250	12.194	12.194	0.000	97	820979	20.0	18.9	
82 2,4-Dinitrotoluene	165	12.246	12.240	0.006	66	847684	20.0	20.3	
83 Dibenzofuran	168	12.246	12.246	0.000	94	3199408	20.0	18.8	
84 1-Naphthylamine	143	12.351	12.345	0.006	99	2560971	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.404	12.403	0.001	77	592778	20.0	20.5	
86 2-Naphthylamine	143	12.450	12.444	0.006	95	2491827	20.0	20.2	
87 Diethyl phthalate	149	12.578	12.572	0.006	98	2792877	20.0	20.2	
88 Thionazin	107	12.672	12.666	0.006	79	510147	20.0	19.8	
89 Fluorene	166	12.677	12.672	0.005	95	2574932	20.0	19.2	
90 N-Nitro-o-toluidine	152	12.701	12.695	0.006	94	812986	20.0	20.6	
91 4-Chlorophenyl phenyl ether	204	12.695	12.695	0.000	94	1205537	20.0	19.2	
92 4-Nitroaniline	138	12.712	12.701	0.011	82	761779	20.0	20.2	
93 4,6-Dinitro-2-methylphenol	198	12.747	12.741	0.006	80	553355	20.0	20.6	
94 N-Nitrosodiphenylamine	169	12.841	12.841	0.000	62	2326254	20.0	19.9	
95 1,2-Diphenylhydrazine	77	12.887	12.887	0.000	41	3180975	20.0	19.6	
\$ 96 2,4,6-Tribromophenol	330	12.981	12.975	0.006	83	567382	40.0	40.4	
97 Sulfotepp	97	13.068	13.062	0.006	78	539548	20.0	20.2	
98 cis-Diallate	86	13.214	13.214	0.000	94	1070871	14.8	14.8	
99 Phorate	75	13.225	13.219	0.006	96	2032429	20.0	20.3	
100 Phenacetin	108	13.243	13.231	0.012	93	1557397	20.0	20.3	
101 4-Bromophenyl phenyl ether	248	13.307	13.301	0.006	70	636756	20.0	19.7	
102 trans-Diallate	86	13.324	13.324	0.000	95	381191	5.20	5.16	
103 Hexachlorobenzene	284	13.365	13.359	0.006	91	648976	20.0	19.0	
104 Dimethoate	87	13.435	13.423	0.012	97	1462043	20.0	20.0	
105 Atrazine	200	13.528	13.523	0.005	90	696741	20.0	19.2	
106 Pentachlorophenol	266	13.622	13.616	0.006	89	492312	20.0	20.2	
108 4-Aminobiphenyl	169	13.633	13.633	0.000	91	2484437	20.0	19.5	
107 Pentachloronitrobenzene	237	13.639	13.633	0.006	82	305049	20.0	20.1	
109 Pronamide	173	13.727	13.721	0.006	90	1275587	20.0	20.0	
* 110 Phenanthrene-d10	188	13.872	13.866	0.006	96	862606	5.00	5.00	
111 Dinoseb	211	13.872	13.872	0.000	94	759491	20.0	21.8	
112 Phenanthrene	178	13.902	13.901	0.001	99	3734195	20.0	19.0	
113 Anthracene	178	13.971	13.971	0.000	99	3895378	20.0	19.8	
114 Carbazole	167	14.193	14.187	0.006	96	3810961	20.0	19.8	
115 Methyl parathion	109	14.397	14.391	0.006	90	1201340	20.0	20.8	
116 Di-n-butyl phthalate	149	14.706	14.706	0.000	100	4939707	20.0	19.9	
117 Ethyl Parathion	109	14.956	14.951	0.005	84	712742	20.0	21.3	
118 4-Nitroquinoline-1-oxide	190	14.980	14.974	0.006	91	529074	20.0	22.1	
119 Octachlorostyrene	308	15.318	15.318	0.000	89	276293	20.0	20.7	
120 Isodrin	193	15.376	15.376	0.000	91	480263	20.0	19.9	
121 Fluoranthene	202	15.603	15.603	0.000	99	4499388	20.0	20.2	
122 Benzidine	184	15.842	15.831	0.011	99	8312296	60.0	57.4	
* 123 Pyrene-d10 (IS)	212	15.930	15.930	0.000	99	857045	5.00	5.00	
124 Pyrene	202	15.959	15.959	0.000	96	4473488	20.0	18.9	
\$ 125 p-Terphenyl-d14	244	16.245	16.239	0.006	99	4925761	40.0	37.9	
126 p-Dimethylamino azobenzene	225	16.478	16.472	0.006	92	827081	20.0	20.6	
127 Chlorobenzilate	139	16.565	16.565	0.000	85	1473467	20.0	20.0	
128 3,3'-Dimethylbenzidine	212	17.049	17.043	0.006	99	3105204	20.0	21.1	
129 Butyl benzyl phthalate	149	17.101	17.101	0.000	97	2283333	20.0	19.8	
130 2-Acetylaminofluorene	181	17.480	17.474	0.006	95	1893969	20.0	21.8	
131 3,3'-Dichlorobenzidine	252	17.993	17.987	0.006	76	1496969	20.0	20.3	
132 Benzo[a]anthracene	228	18.011	18.005	0.006	99	3615995	20.0	19.6	
133 4,4'-Methylene bis(2-chloroani	231	18.011	18.011	0.000	93	784998	20.0	19.7	
134 Chrysene	228	18.081	18.069	0.012	97	3728555	20.0	19.2	
135 Bis(2-ethylhexyl) phthalate	149	18.180	18.180	0.000	97	3268208	20.0	20.0	
136 6-Methylchrysene	242	18.885	18.879	0.006	99	2784323	20.0	20.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.357	19.351	0.006	99	5802304	20.0	20.5	
138 Benzo[b]fluoranthene	252	19.893	19.882	0.011	98	3882293	20.0	20.5	
139 7,12-Dimethylbenz(a)anthracene	256	19.893	19.887	0.006	92	1797611	20.0	20.7	
140 Benzo[k]fluoranthene	252	19.946	19.934	0.012	98	3823380	20.0	19.9	
141 Benzo[a]pyrene	252	20.424	20.412	0.012	79	3807008	20.0	21.0	
* 142 Perylene-d12	264	20.505	20.505	0.000	96	797644	5.00	5.00	
143 3-Methylcholanthrene	268	20.995	20.989	0.006	94	2016842	20.0	21.2	
144 Dibenz[a,h]acridine	279	21.823	21.817	0.006	92	2833927	20.0	20.4	
145 Dibenz[a,j]acridine	279	21.904	21.892	0.012	95	3031272	20.0	20.3	
146 Indeno[1,2,3-cd]pyrene	276	22.184	22.166	0.018	97	3436231	20.0	22.5	
147 Dibenz(a,h)anthracene	278	22.219	22.207	0.012	94	3511199	20.0	21.5	
148 Benzo[g,h,i]perylene	276	22.615	22.598	0.017	94	3441380	20.0	20.7	
S 152 Dinitrotoluene	165				0		40.0	41.1	
S 170 Isosafrole	162				0		20.0	20.0	

Reagents:

MSS_RV8270_7_00005

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:07:27

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0634.D

Injection Date: 15-Apr-2020 20:14:30

Lims ID: IC L7

Instrument ID: HP19760

Operator ID: em10340

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

Method: MSSemi_HP19760

Dil. Factor: 1.0000

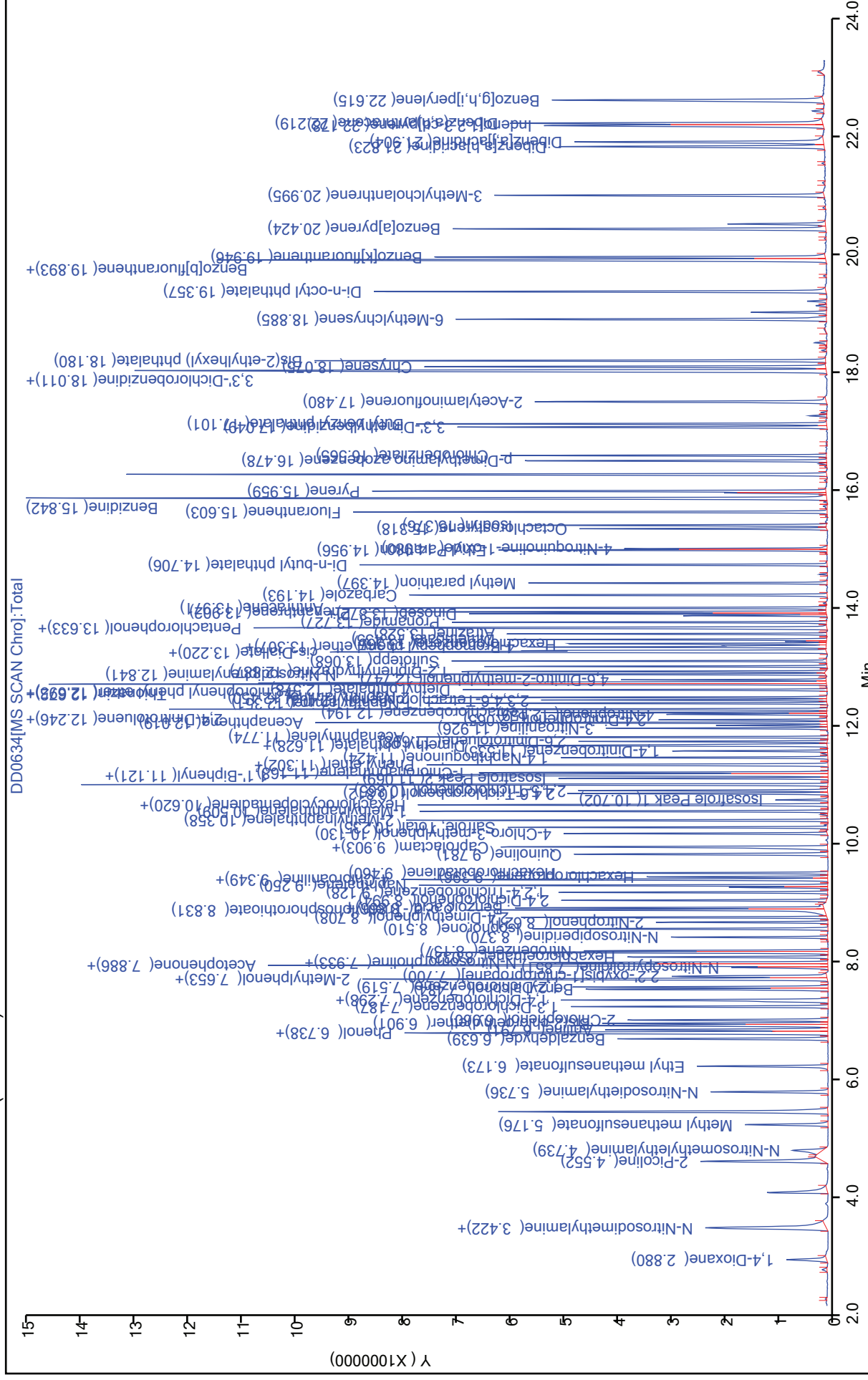
Limit Group: MSSV - 8270D_E_LVI

ALS Bottle#: 5

Operator ID: em10340

Worklist Smp#: 5

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0635.D
 Lims ID: IC L6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 15-Apr-2020 20:42:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SST12.5;RVSTD0940;1;1;STD;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:07:37 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:51:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.874	2.885	-0.011	95	471641	12.5	12.4	
2 N-Nitrosodimethylamine	74	3.398	3.404	-0.006	91	723755	12.5	12.1	
3 Pyridine	79	3.422	3.427	-0.005	93	1243435	12.5	11.9	
4 2-Picoline	93	4.552	4.552	0.000	90	1277475	12.5	12.1	
5 N-Nitrosomethylethylamine	88	4.733	4.739	-0.006	89	544719	12.5	12.0	
7 Methyl methanesulfonate	80	5.170	5.176	-0.006	84	576589	12.5	11.9	
\$ 8 2-Fluorophenol	112	5.392	5.392	0.000	95	2087487	25.0	24.4	
9 N-Nitrosodiethylamine	102	5.730	5.735	-0.005	94	526038	12.5	12.3	
10 Ethyl methanesulfonate	109	6.167	6.167	0.000	98	554404	12.5	12.3	
12 Benzaldehyde	77	6.633	6.639	-0.006	97	928482	12.5	13.4	
\$ 13 Phenol-d5	99	6.726	6.726	0.000	99	2754263	25.0	24.1	
14 Phenol	94	6.750	6.744	0.006	93	1410743	12.5	12.1	
15 Aniline	93	6.790	6.790	0.000	95	1757914	12.5	12.2	
16 Bis(2-chloroethyl)ether	93	6.895	6.895	0.000	94	1174678	12.5	12.1	
17 2-Chlorophenol	128	6.954	6.954	0.000	95	1030363	12.5	12.2	
18 1,3-Dichlorobenzene	146	7.187	7.187	0.000	96	1043227	12.5	12.1	
* 19 1,4-Dichlorobenzene-d4	152	7.268	7.274	-0.006	96	283758	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.298	7.298	0.000	92	1062163	12.5	12.2	
21 Benzyl alcohol	108	7.478	7.478	0.000	92	673727	12.5	12.2	
22 1,2-Dichlorobenzene	146	7.519	7.519	0.000	95	999736	12.5	12.1	
23 2-Methylphenol	108	7.641	7.647	-0.006	93	956071	12.5	12.2	
24 Indene	115	7.653	7.653	0.000	91	1567211	12.5	12.4	
25 2,2'-oxybis[1-chloropropane]	45	7.700	7.700	0.000	96	1513260	12.5	11.9	
26 N-Nitrosopyrrolidine	100	7.845	7.840	0.005	96	543406	12.5	12.2	
27 Acetophenone	105	7.880	7.880	0.000	90	1438451	12.5	12.5	
28 4-Methylphenol	108	7.886	7.880	0.006	91	992781	12.5	12.1	
29 N-Nitrosodi-n-propylamine	70	7.898	7.892	0.006	80	798173	12.5	12.1	
30 N-Nitrosomorpholine	56	7.910	7.910	0.000	90	731086	12.5	12.0	
31 2-Toluidine	106	7.933	7.933	0.000	96	1615090	12.5	12.1	
32 Hexachloroethane	117	8.026	8.032	-0.006	96	449780	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.102	8.102	0.000	88	2325617	25.0	24.8	
34 Nitrobenzene	77	8.131	8.131	0.000	86	1177288	12.5	12.4	
35 N-Nitrosopiperidine	114	8.364	8.364	0.000	87	528052	12.5	12.5	
36 Isophorone	82	8.504	8.504	0.000	97	2144394	12.5	12.6	
37 2-Nitrophenol	139	8.621	8.621	0.000	91	521785	12.5	12.6	
38 2,4-Dimethylphenol	107	8.702	8.702	0.000	95	1012268	12.5	12.5	
40 Benzoic acid	105	8.831	8.825	0.005	87	681086	12.5	13.4	
39 o,o',o"-Triethylphosphorothioat	198	8.831	8.830	0.000	93	427892	12.5	12.3	
41 Bis(2-chloroethoxy)methane	93	8.865	8.865	0.000	96	1358335	12.5	12.5	
42 2,4-Dichlorophenol	162	8.994	8.994	0.000	97	762934	12.5	12.5	
43 1,2,4-Trichlorobenzene	180	9.128	9.134	-0.006	93	781803	12.5	12.4	
* 44 Naphthalene-d8	136	9.215	9.215	0.000	99	1027294	5.00	5.00	
45 Naphthalene	128	9.244	9.250	-0.006	98	2817323	12.5	12.3	
46 4-Chloroaniline	127	9.343	9.343	0.000	93	1162095	12.5	12.6	
47 2,6-Dichlorophenol	162	9.349	9.349	0.000	94	723821	12.5	12.6	
48 Hexachloropropene	213	9.390	9.396	-0.006	90	486782	12.5	12.5	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	97	417492	12.5	12.5	
S 51 Diallate	86				0		12.5	12.4	
50 Quinoline	129	9.775	9.775	0.000	96	1790602	12.5	12.3	
52 Caprolactam	113	9.874	9.862	0.012	79	334970	12.5	12.8	
53 N-Nitrosodi-n-butylamine	84	9.903	9.903	0.000	95	740219	12.5	11.5	
54 4-Chloro-3-methylphenol	107	10.124	10.124	0.000	95	855087	12.5	12.6	
55 Safrole, Total	162	10.235	10.235	0.000	87	684079	12.5	12.5	
56 2-Methylnaphthalene	142	10.358	10.358	0.000	92	1800099	12.5	12.5	
57 1-Methylnaphthalene	142	10.509	10.509	0.000	93	1693419	12.5	12.4	
58 Hexachlorocyclopentadiene	237	10.614	10.614	0.000	97	448958	12.5	12.8	
59 1,2,4,5-Tetrachlorobenzene	216	10.620	10.626	-0.006	98	719198	12.5	12.6	
60 Isosafrole Peak 1	162	10.702	10.707	-0.005	89	125543	2.00	2.04	
61 2,4,6-Trichlorophenol	196	10.812	10.812	0.000	95	509723	12.5	12.9	
62 2,4,5-Trichlorophenol	196	10.859	10.859	0.000	93	530921	12.5	12.8	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.964	10.964	0.000	99	3596872	25.0	24.8	
64 Isosafrole Peak 2	162	11.069	11.069	0.000	90	677479	10.5	10.6	
65 1,1'-Biphenyl	154	11.115	11.115	0.000	96	2188957	12.5	13.0	
66 2-Chloronaphthalene	162	11.133	11.133	0.000	98	1589180	12.5	12.4	
67 1-Chloronaphthalene	162	11.168	11.168	0.000	97	1477664	12.5	12.3	
68 Phenyl ether	170	11.296	11.296	0.000	88	1119355	12.5	12.6	
69 2-Nitroaniline	138	11.308	11.308	0.000	83	563398	12.5	12.9	
70 1,4-Naphthoquinone	158	11.424	11.424	0.000	86	678943	12.5	12.7	
71 1,4-Dinitrobenzene	168	11.535	11.535	0.000	90	300662	12.5	12.8	
72 Dimethyl phthalate	163	11.622	11.622	0.000	98	1696791	12.5	12.4	
73 1,3-Dinitrobenzene	168	11.640	11.640	0.000	85	322947	12.5	12.5	
74 2,6-Dinitrotoluene	165	11.692	11.692	0.000	93	415507	12.5	12.8	
75 Acenaphthylene	152	11.768	11.768	0.000	99	2465086	12.5	13.0	
76 3-Nitroaniline	138	11.920	11.920	0.000	88	470829	12.5	13.1	
* 77 Acenaphthene-d10	164	11.972	11.972	0.000	97	467125	5.00	5.00	
78 Acenaphthene	153	12.013	12.013	0.000	96	1641015	12.5	12.5	
79 2,4-Dinitrophenol	184	12.065	12.065	0.000	85	287427	12.5	12.4	
80 4-Nitrophenol	109	12.153	12.153	0.000	84	281944	12.5	11.9	
81 Pentachlorobenzene	250	12.188	12.194	-0.006	97	557541	12.5	12.4	
82 2,4-Dinitrotoluene	165	12.240	12.240	0.000	88	549226	12.5	12.7	
83 Dibenzofuran	168	12.246	12.246	0.000	97	2168065	12.5	12.3	
84 1-Naphthylamine	143	12.345	12.345	0.000	98	1652758	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.403	12.403	0.000	77	383102	12.5	12.8	
86 2-Naphthylamine	143	12.444	12.444	0.000	96	1605653	12.5	12.6	
87 Diethyl phthalate	149	12.572	12.572	0.000	98	1803161	12.5	12.6	
88 Thionazin	107	12.666	12.666	0.000	78	331971	12.5	12.5	
89 Fluorene	166	12.672	12.672	0.000	96	1720571	12.5	12.4	
90 N-Nitro-o-toluidine	152	12.695	12.695	0.000	88	531145	12.5	13.0	
91 4-Chlorophenyl phenyl ether	204	12.695	12.695	0.000	90	787340	12.5	12.1	
92 4-Nitroaniline	138	12.701	12.701	0.000	82	494477	12.5	12.7	
93 4,6-Dinitro-2-methylphenol	198	12.742	12.741	0.001	80	339654	12.5	12.2	
94 N-Nitrosodiphenylamine	169	12.841	12.841	0.000	62	1517671	12.5	12.6	
95 1,2-Diphenylhydrazine	77	12.887	12.887	0.000	41	2071195	12.5	12.4	
\$ 96 2,4,6-Tribromophenol	330	12.975	12.975	0.000	83	366997	25.0	25.3	
97 Sulfotepp	97	13.062	13.062	0.000	77	342534	12.5	12.4	
98 cis-Diallate	86	13.214	13.214	0.000	94	687853	9.25	9.19	
99 Phorate	75	13.219	13.219	0.000	96	1318425	12.5	12.8	
100 Phenacetin	108	13.237	13.231	0.006	90	990088	12.5	12.5	
101 4-Bromophenyl phenyl ether	248	13.301	13.301	0.000	70	415438	12.5	12.4	
102 trans-Diallate	86	13.324	13.324	0.000	94	244527	3.25	3.20	
103 Hexachlorobenzene	284	13.359	13.359	0.000	91	423451	12.5	12.0	
104 Dimethoate	87	13.429	13.423	0.006	97	960137	12.5	12.7	
105 Atrazine	200	13.528	13.523	0.005	90	480662	12.5	12.8	
106 Pentachlorophenol	266	13.616	13.616	0.000	90	317796	12.5	12.6	
108 4-Aminobiphenyl	169	13.633	13.633	0.000	90	1667852	12.5	12.7	
107 Pentachloronitrobenzene	237	13.633	13.633	0.000	77	195243	12.5	12.4	
109 Pronamide	173	13.727	13.721	0.006	90	821057	12.5	12.5	
* 110 Phenanthrene-d10	188	13.866	13.866	0.000	97	890701	5.00	5.00	
111 Dinoseb	211	13.872	13.872	0.000	95	466615	12.5	13.0	
112 Phenanthrene	178	13.901	13.901	0.000	98	2468489	12.5	12.2	
113 Anthracene	178	13.971	13.971	0.000	99	2565751	12.5	12.7	
114 Carbazole	167	14.187	14.187	0.000	96	2479730	12.5	12.5	
115 Methyl parathion	109	14.391	14.391	0.000	90	762784	12.5	12.8	
116 Di-n-butyl phthalate	149	14.706	14.706	0.000	100	3201882	12.5	12.5	
117 Ethyl Parathion	109	14.951	14.951	0.000	84	447807	12.5	13.0	
118 4-Nitroquinoline-1-oxide	190	14.974	14.974	0.000	94	309512	12.5	12.5	
119 Octachlorostyrene	308	15.318	15.318	0.000	90	176669	12.5	12.8	
120 Isodrin	193	15.376	15.376	0.000	91	312189	12.5	12.5	
121 Fluoranthene	202	15.603	15.603	0.000	99	2895314	12.5	12.6	
122 Benzidine	184	15.837	15.831	0.006	100	5563446	37.5	37.7	
* 123 Pyrene-d10 (IS)	212	15.924	15.930	-0.006	99	873353	5.00	5.00	
124 Pyrene	202	15.959	15.959	0.000	97	2953245	12.5	12.3	
\$ 125 p-Terphenyl-d14	244	16.239	16.239	0.000	99	3286981	25.0	24.8	
126 p-Dimethylamino azobenzene	225	16.472	16.472	0.000	92	518474	12.5	12.7	
127 Chlorobenzilate	139	16.565	16.565	0.000	85	941449	12.5	12.6	
128 3,3'-Dimethylbenzidine	212	17.043	17.043	0.000	99	1952080	12.5	13.0	
129 Butyl benzyl phthalate	149	17.101	17.101	0.000	97	1473783	12.5	12.5	
130 2-Acetylaminofluorene	181	17.474	17.474	0.000	95	1168423	12.5	13.2	
131 3,3'-Dichlorobenzidine	252	17.993	17.987	0.006	77	963199	12.5	12.8	
132 Benzo[a]anthracene	228	18.005	18.005	0.000	99	2388857	12.5	12.7	
133 4,4'-Methylene bis(2-chloroani	231	18.011	18.011	0.000	94	511552	12.5	12.6	
134 Chrysene	228	18.075	18.069	0.006	97	2424384	12.5	12.3	
135 Bis(2-ethylhexyl) phthalate	149	18.180	18.180	0.000	98	2126470	12.5	12.8	
136 6-Methylchrysene	242	18.879	18.879	0.000	99	1757854	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.351	19.351	0.000	99	3786927	12.5	13.2	
138 Benzo[b]fluoranthene	252	19.887	19.882	0.005	96	2510701	12.5	13.0	
139 7,12-Dimethylbenz(a)anthracene	256	19.887	19.887	0.000	81	1154160	12.5	13.1	
140 Benzo[k]fluoranthene	252	19.934	19.934	0.000	98	2499000	12.5	12.8	
141 Benzo[a]pyrene	252	20.418	20.412	0.006	81	2427294	12.5	13.2	
* 142 Perylene-d12	264	20.505	20.505	0.000	96	810902	5.00	5.00	
143 3-Methylcholanthrene	268	20.989	20.989	0.000	95	1275063	12.5	13.2	
144 Dibenz[a,h]acridine	279	21.817	21.817	0.000	92	1852930	12.5	13.1	
145 Dibenz[a,j]acridine	279	21.892	21.892	0.000	95	1995021	12.5	13.1	
146 Indeno[1,2,3-cd]pyrene	276	22.172	22.166	0.006	97	2151398	12.5	13.9	
147 Dibenz(a,h)anthracene	278	22.213	22.207	0.006	95	2293046	12.5	13.8	
148 Benzo[g,h,i]perylene	276	22.604	22.598	0.006	94	2281705	12.5	13.5	
S 152 Dinitrotoluene	165				0		25.0	25.5	
S 170 Isosafrole	162				0		12.5	12.7	

Reagents:

MSS_RV8270_6_00005

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:07:38

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0635.D

Injection Date: 15-Apr-2020 20:42:30

Injection Date: 15-Apr

15-Apr-2020 20:42:30

Injection Date: 15-Apr

Instrument ID:

HP19760

Operator ID: em10340

Lims ID: ICL6

ICL6

Worklist Smp#:

6

Injection Vol: 1.0 ul

1.0 μ l

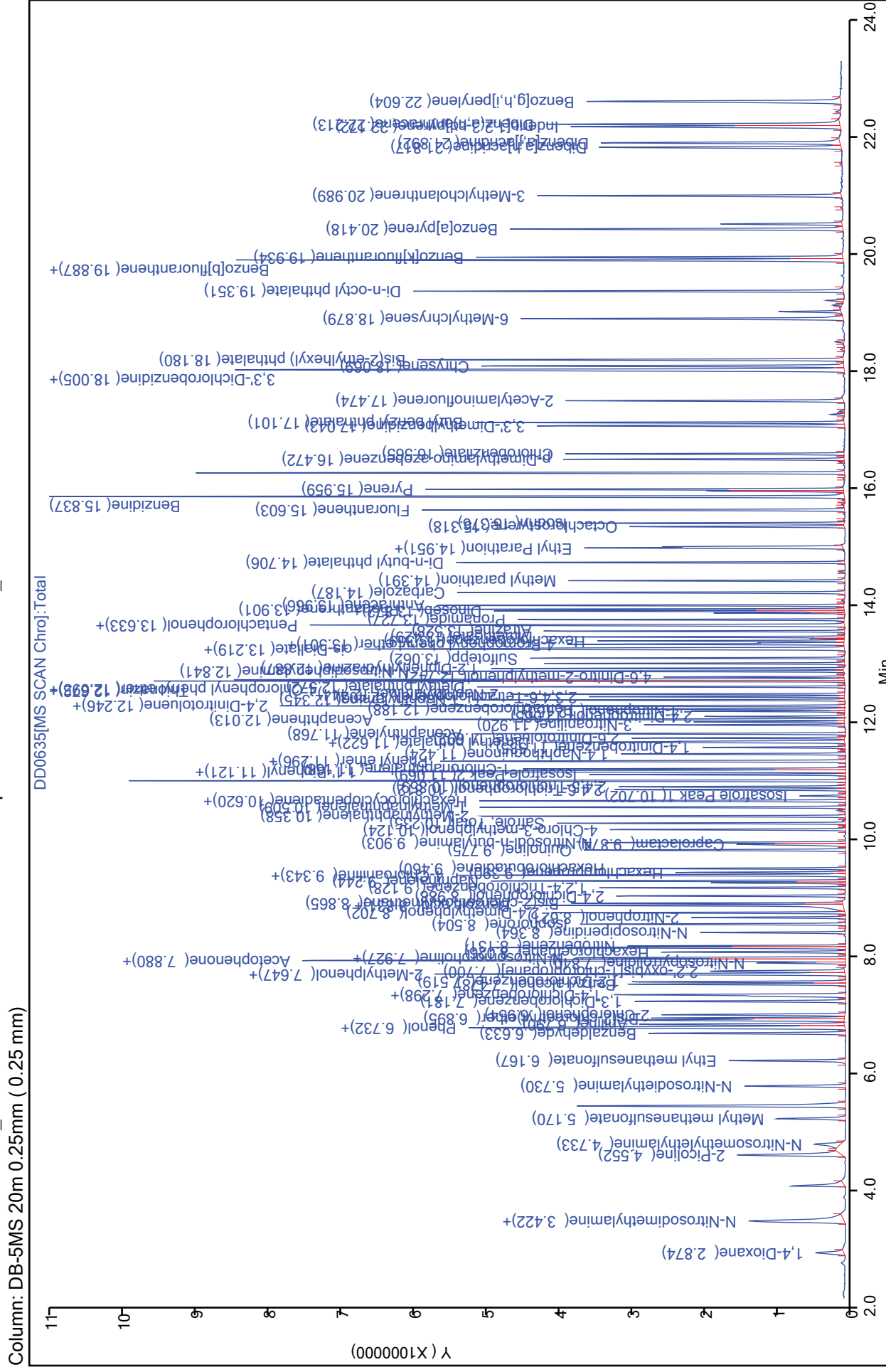
Dil. Factor:

1.0000

1.0000

ALS Bottle#:

9



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0636.D
 Lims ID: IC L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 15-Apr-2020 21:11:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SST3.75;RVSTD0940;1;1;STD;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:07:47 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:52:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.874	2.885	-0.011	97	134501	3.75	3.61	
2 N-Nitrosodimethylamine	74	3.398	3.404	-0.006	92	220185	3.75	3.75	
3 Pyridine	79	3.427	3.427	0.000	93	385063	3.75	3.77	
4 2-Picoline	93	4.546	4.552	-0.006	90	389425	3.75	3.76	
5 N-Nitrosomethylethylamine	88	4.733	4.739	-0.006	87	167278	3.75	3.77	
7 Methyl methanesulfonate	80	5.164	5.176	-0.012	85	177790	3.75	3.74	
\$ 8 2-Fluorophenol	112	5.386	5.392	-0.006	95	638123	7.50	7.63	
9 N-Nitrosodiethylamine	102	5.724	5.735	-0.011	94	160347	3.75	3.82	
10 Ethyl methanesulfonate	109	6.161	6.167	-0.006	98	168202	3.75	3.80	
12 Benzaldehyde	77	6.633	6.639	-0.006	96	255386	3.75	3.77	
\$ 13 Phenol-d5	99	6.721	6.726	-0.005	99	872798	7.50	7.80	
14 Phenol	94	6.738	6.744	-0.006	94	436073	3.75	3.83	
15 Aniline	93	6.785	6.790	-0.005	95	547739	3.75	3.89	
16 Bis(2-chloroethyl)ether	93	6.895	6.895	0.000	94	367771	3.75	3.86	
17 2-Chlorophenol	128	6.948	6.954	-0.006	95	321358	3.75	3.90	
18 1,3-Dichlorobenzene	146	7.181	7.187	-0.006	96	327091	3.75	3.87	
* 19 1,4-Dichlorobenzene-d4	152	7.268	7.274	-0.006	97	277690	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.292	7.298	-0.006	92	333389	3.75	3.90	
21 Benzyl alcohol	108	7.472	7.478	-0.006	93	208660	3.75	3.87	
22 1,2-Dichlorobenzene	146	7.513	7.519	-0.006	95	320398	3.75	3.95	
23 2-Methylphenol	108	7.641	7.647	-0.006	95	301399	3.75	3.93	
24 Indene	115	7.653	7.653	0.000	88	478612	3.75	3.86	
25 2,2'-oxybis[1-chloropropane]	45	7.694	7.700	-0.006	96	488024	3.75	3.94	
26 N-Nitrosopyrrolidine	100	7.834	7.840	-0.006	96	167360	3.75	3.84	
27 Acetophenone	105	7.875	7.880	-0.005	85	436678	3.75	3.87	
28 4-Methylphenol	108	7.875	7.880	-0.005	69	317511	3.75	3.96	
29 N-Nitrosodi-n-propylamine	70	7.886	7.892	-0.006	81	252874	3.75	3.93	
30 N-Nitrosomorpholine	56	7.898	7.910	-0.012	88	232905	3.75	3.90	
31 2-Toluidine	106	7.921	7.933	-0.012	95	515409	3.75	3.94	
32 Hexachloroethane	117	8.026	8.032	-0.006	97	142225	3.75	3.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.096	8.102	-0.006	88	736380	7.50	7.71	
34 Nitrobenzene	77	8.125	8.131	-0.006	86	377302	3.75	3.92	
35 N-Nitrosopiperidine	114	8.358	8.364	-0.006	89	166409	3.75	3.87	
36 Isophorone	82	8.498	8.504	-0.006	97	680644	3.75	3.93	
37 2-Nitrophenol	139	8.615	8.621	-0.006	91	159731	3.75	3.80	
38 2,4-Dimethylphenol	107	8.696	8.702	-0.006	95	315228	3.75	3.83	
40 Benzoic acid	105	8.807	8.825	-0.018	86	381752	7.50	7.37	
39 o,o',o"-Triethylphosphorothioat	198	8.825	8.830	-0.005	92	137169	3.75	3.88	
41 Bis(2-chloroethoxy)methane	93	8.860	8.865	-0.005	96	435392	3.75	3.95	
42 2,4-Dichlorophenol	162	8.988	8.994	-0.006	97	245032	3.75	3.96	
43 1,2,4-Trichlorobenzene	180	9.128	9.134	-0.006	94	249278	3.75	3.90	
* 44 Naphthalene-d8	136	9.209	9.215	-0.006	99	1044955	5.00	5.00	
45 Naphthalene	128	9.244	9.250	-0.006	97	904906	3.75	3.89	
46 4-Chloroaniline	127	9.338	9.343	-0.005	94	366523	3.75	3.92	
47 2,6-Dichlorophenol	162	9.349	9.349	0.000	94	231346	3.75	3.97	
48 Hexachloropropene	213	9.390	9.396	-0.006	90	150397	3.75	3.79	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	98	130860	3.75	3.85	
S 51 Diallate	86				0		3.75	3.78	
50 Quinoline	129	9.769	9.775	-0.006	96	574467	3.75	3.89	
52 Caprolactam	113	9.845	9.862	-0.017	80	97798	3.75	3.69	
53 N-Nitrosodi-n-butylamine	84	9.897	9.903	-0.006	94	232927	3.75	3.56	
54 4-Chloro-3-methylphenol	107	10.119	10.124	-0.005	95	270873	3.75	3.93	
55 Safrole, Total	162	10.229	10.235	-0.006	87	215411	3.75	3.87	
56 2-Methylnaphthalene	142	10.352	10.358	-0.006	92	576163	3.75	3.93	
57 1-Methylnaphthalene	142	10.509	10.509	0.000	92	539502	3.75	3.87	
58 Hexachlorocyclopentadiene	237	10.614	10.614	0.000	97	135349	3.75	3.69	
59 1,2,4,5-Tetrachlorobenzene	216	10.620	10.626	-0.006	97	229928	3.75	3.86	
60 Isosafrole Peak 1	162	10.701	10.707	-0.006	89	38275	0.6000	0.5940	
61 2,4,6-Trichlorophenol	196	10.806	10.812	-0.006	94	156837	3.75	3.79	
62 2,4,5-Trichlorophenol	196	10.853	10.859	-0.006	92	167070	3.75	3.87	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.958	10.964	-0.006	100	1204133	7.50	7.96	
64 Isosafrole Peak 2	162	11.063	11.069	-0.006	90	214272	3.15	3.21	
65 1,1'-Biphenyl	154	11.115	11.115	0.000	96	686836	3.75	3.91	
66 2-Chloronaphthalene	162	11.127	11.133	-0.006	97	517627	3.75	3.88	
67 1-Chloronaphthalene	162	11.162	11.168	-0.006	97	500306	3.75	3.99	
68 Phenyl ether	170	11.290	11.296	-0.006	87	362244	3.75	3.90	
69 2-Nitroaniline	138	11.296	11.308	-0.012	80	181113	3.75	3.95	
70 1,4-Naphthoquinone	158	11.418	11.424	-0.006	86	214902	3.75	3.85	
71 1,4-Dinitrobenzene	168	11.529	11.535	-0.006	89	91944	3.75	3.76	
72 Dimethyl phthalate	163	11.617	11.622	-0.005	98	552105	3.75	3.86	
73 1,3-Dinitrobenzene	168	11.634	11.640	-0.006	85	102769	3.75	3.80	
74 2,6-Dinitrotoluene	165	11.692	11.692	0.000	92	132823	3.75	3.92	
75 Acenaphthylene	152	11.768	11.768	0.000	99	792736	3.75	4.00	
76 3-Nitroaniline	138	11.914	11.920	-0.006	89	145220	3.75	3.86	
* 77 Acenaphthene-d10	164	11.966	11.972	-0.006	98	488183	5.00	5.00	
78 Acenaphthene	153	12.013	12.013	0.000	96	531768	3.75	3.89	
79 2,4-Dinitrophenol	184	12.060	12.065	-0.005	85	161037	7.50	6.65	
80 4-Nitrophenol	109	12.147	12.153	-0.006	83	83614	3.75	3.38	
81 Pentachlorobenzene	250	12.188	12.194	-0.006	97	178364	3.75	3.81	
82 2,4-Dinitrotoluene	165	12.234	12.240	-0.006	89	167237	3.75	3.71	
83 Dibenzofuran	168	12.246	12.246	0.000	98	721757	3.75	3.93	
84 1-Naphthylamine	143	12.339	12.345	-0.006	99	513705	3.75	3.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.398	12.403	-0.005	77	117696	3.75	3.76	
86 2-Naphthylamine	143	12.444	12.444	0.000	96	503219	3.75	3.77	
87 Diethyl phthalate	149	12.567	12.572	-0.005	98	556176	3.75	3.73	
88 Thionazin	107	12.660	12.666	-0.006	79	101188	3.75	3.64	
89 Fluorene	166	12.672	12.672	0.000	95	576963	3.75	3.99	
90 N-Nitro-o-toluidine	152	12.689	12.695	-0.006	74	162342	3.75	3.80	
91 4-Chlorophenyl phenyl ether	204	12.689	12.695	-0.006	87	263347	3.75	3.87	
92 4-Nitroaniline	138	12.689	12.701	-0.012	82	159435	3.75	3.90	
93 4,6-Dinitro-2-methylphenol	198	12.736	12.741	-0.005	81	100382	3.75	3.58	
94 N-Nitrosodiphenylamine	169	12.835	12.841	-0.006	62	477673	3.75	3.92	
95 1,2-Diphenylhydrazine	77	12.881	12.887	-0.006	41	662459	3.75	3.92	
\$ 96 2,4,6-Tribromophenol	330	12.969	12.975	-0.006	83	114207	7.50	7.53	
97 Sulfotepp	97	13.062	13.062	0.000	77	104925	3.75	3.76	
98 cis-Diallate	86	13.208	13.214	-0.006	95	212408	2.78	2.81	
99 Phorate	75	13.219	13.219	0.000	96	408839	3.75	3.92	
100 Phenacetin	108	13.225	13.231	-0.006	91	303103	3.75	3.79	
101 4-Bromophenyl phenyl ether	248	13.301	13.301	0.000	70	129161	3.75	3.82	
102 trans-Diallate	86	13.319	13.324	-0.005	95	75422	0.9750	0.9775	
103 Hexachlorobenzene	284	13.359	13.359	0.000	91	136818	3.75	3.83	
104 Dimethoate	87	13.418	13.423	-0.005	97	290947	3.75	3.81	
105 Atrazine	200	13.517	13.523	-0.006	89	147663	3.75	3.89	
106 Pentachlorophenol	266	13.616	13.616	0.000	90	97442	3.75	3.84	
108 4-Aminobiphenyl	169	13.627	13.633	-0.006	90	545984	3.75	4.11	
107 Pentachloronitrobenzene	237	13.633	13.633	0.000	79	60607	3.75	3.82	
109 Pronamide	173	13.721	13.721	0.000	90	256524	3.75	3.85	
* 110 Phenanthrene-d10	188	13.866	13.866	0.000	98	900569	5.00	5.00	
111 Dinoseb	211	13.866	13.872	-0.006	95	130460	3.75	3.59	
112 Phenanthrene	178	13.896	13.901	-0.005	98	800657	3.75	3.91	
113 Anthracene	178	13.966	13.971	-0.005	98	805317	3.75	3.93	
114 Carbazole	167	14.181	14.187	-0.006	95	784350	3.75	3.90	
115 Methyl parathion	109	14.385	14.391	-0.006	90	224093	3.75	3.72	
116 Di-n-butyl phthalate	149	14.700	14.706	-0.006	100	1020731	3.75	3.93	
117 Ethyl Parathion	109	14.951	14.951	0.000	84	127881	3.75	3.67	
118 4-Nitroquinoline-1-oxide	190	14.968	14.974	-0.006	94	75595	3.75	3.02	
119 Octachlorostyrene	308	15.318	15.318	0.000	91	50696	3.75	3.63	
120 Isodrin	193	15.376	15.376	0.000	91	97023	3.75	3.85	
121 Fluoranthene	202	15.598	15.603	-0.005	98	923503	3.75	3.98	
122 Benzidine	184	15.825	15.831	-0.006	100	1841202	11.3	12.1	
* 123 Pyrene-d10 (IS)	212	15.924	15.930	-0.006	99	903413	5.00	5.00	
124 Pyrene	202	15.953	15.959	-0.006	97	957607	3.75	3.85	
\$ 125 p-Terphenyl-d14	244	16.233	16.239	-0.006	99	1081697	7.50	7.89	
126 p-Dimethylamino azobenzene	225	16.472	16.472	0.000	92	153489	3.75	3.63	
127 Chlorobenzilate	139	16.559	16.565	-0.006	85	293608	3.75	3.79	
128 3,3'-Dimethylbenzidine	212	17.043	17.043	0.000	99	562438	3.75	3.63	
129 Butyl benzyl phthalate	149	17.095	17.101	-0.006	97	464456	3.75	3.82	
130 2-Acetylaminofluorene	181	17.463	17.474	-0.011	95	325499	3.75	3.56	
131 3,3'-Dichlorobenzidine	252	17.981	17.987	-0.006	76	291015	3.75	3.74	
132 Benzo[a]anthracene	228	17.999	18.005	-0.006	99	769466	3.75	3.96	
133 4,4'-Methylene bis(2-chloroani	231	18.005	18.011	-0.006	93	156645	3.75	3.73	
134 Chrysene	228	18.063	18.069	-0.006	98	791880	3.75	3.88	
135 Bis(2-ethylhexyl) phthalate	149	18.174	18.180	-0.006	98	651670	3.75	3.79	
136 6-Methylchrysene	242	18.873	18.879	-0.006	99	546760	3.75	3.73	

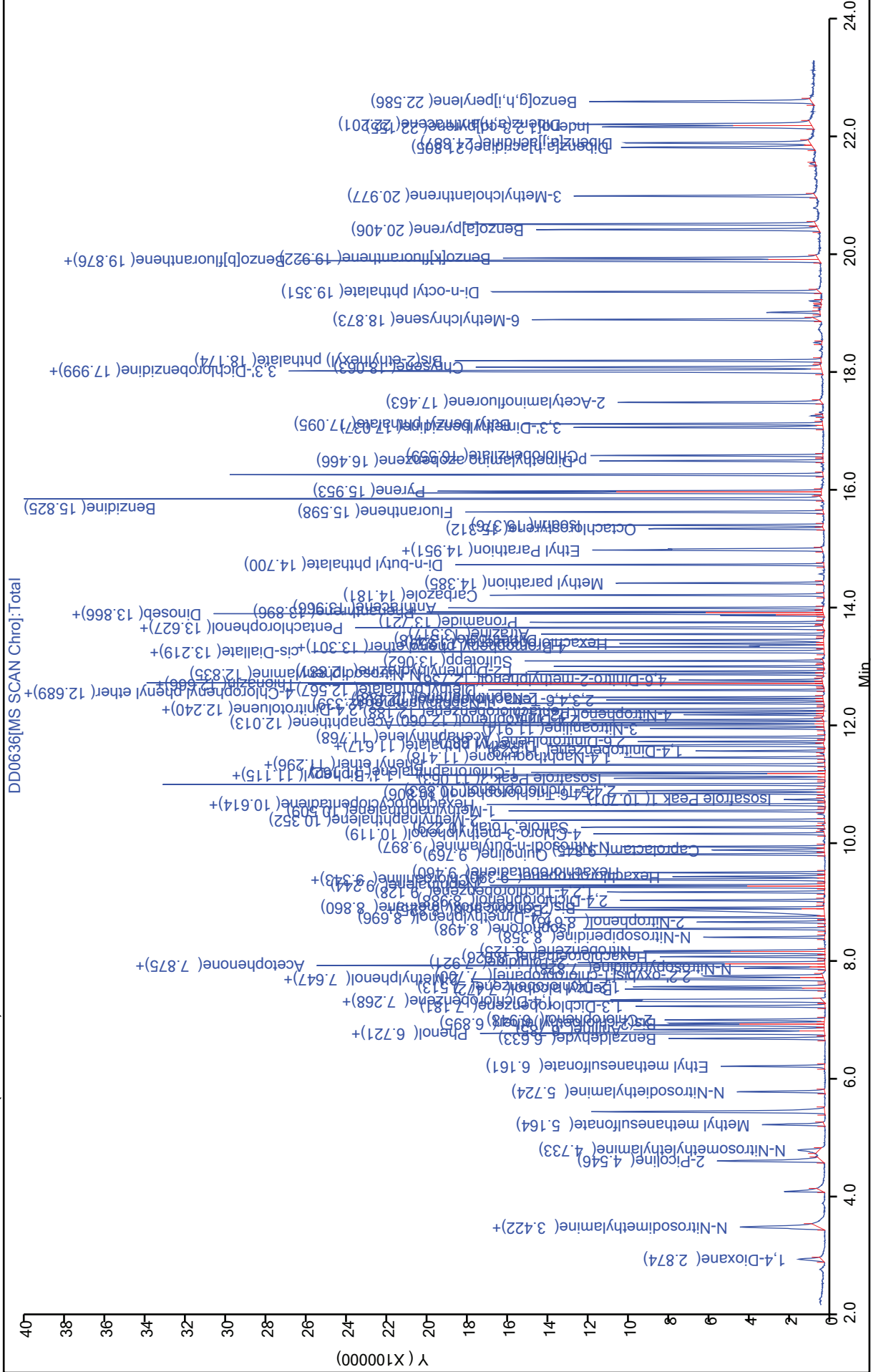
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.351	19.351	0.000	99	1119674	3.75	3.81	
138 Benzo[b]fluoranthene	252	19.876	19.882	-0.006	98	767762	3.75	3.90	
139 7,12-Dimethylbenz(a)anthracene	256	19.876	19.887	-0.011	91	350477	3.75	3.88	
140 Benzo[k]fluoranthene	252	19.922	19.934	-0.012	98	800325	3.75	4.01	
141 Benzo[a]pyrene	252	20.406	20.412	-0.006	81	733884	3.75	3.90	
* 142 Perylene-d12	264	20.499	20.505	-0.006	96	829048	5.00	5.00	
143 3-Methylcholanthrene	268	20.983	20.989	-0.006	94	384767	3.75	3.90	
144 Dibenz[a,h]acridine	279	21.811	21.817	-0.006	92	539563	3.75	3.73	
145 Dibenz[a,j]acridine	279	21.887	21.892	-0.005	95	581922	3.75	3.74	
146 Indeno[1,2,3-cd]pyrene	276	22.155	22.166	-0.011	97	629127	3.75	3.97	
147 Dibenz(a,h)anthracene	278	22.201	22.207	-0.006	94	704060	3.75	4.15	
148 Benzo[g,h,i]perylene	276	22.586	22.598	-0.012	94	701475	3.75	4.06	
S 152 Dinitrotoluene	165				0		7.50	7.63	
S 170 Isosafrole	162				0		3.75	3.81	

Reagents:

MSS_RV8270_4_00005

Amount Added: 1.00

Units: mL



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0637.D
 Lims ID: IC L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 15-Apr-2020 21:39:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SST1.25;RVSTD0940;1;1;STD;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:07:58 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:53:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.880	2.885	-0.005	96	43418	1.25	1.15	
2 N-Nitrosodimethylamine	74	3.398	3.404	-0.006	90	72126	1.25	1.22	
3 Pyridine	79	3.433	3.427	0.006	92	125929	1.25	1.22	
4 2-Picoline	93	4.552	4.552	0.000	90	129291	1.25	1.24	
5 N-Nitrosomethylethylamine	88	4.733	4.739	-0.006	86	54980	1.25	1.23	
7 Methyl methanesulfonate	80	5.164	5.176	-0.012	86	58798	1.25	1.22	
\$ 8 2-Fluorophenol	112	5.386	5.392	-0.006	95	208873	2.50	2.47	
9 N-Nitrosodiethylamine	102	5.724	5.735	-0.011	94	52749	1.25	1.24	
10 Ethyl methanesulfonate	109	6.155	6.167	-0.012	98	54644	1.25	1.22	
12 Benzaldehyde	77	6.633	6.639	-0.006	96	80616	1.25	1.18	
\$ 13 Phenol-d5	99	6.721	6.726	-0.005	99	285624	2.50	2.53	
14 Phenol	94	6.738	6.744	-0.006	92	147666	1.25	1.28	
15 Aniline	93	6.785	6.790	-0.005	95	175862	1.25	1.24	
16 Bis(2-chloroethyl)ether	93	6.890	6.895	-0.005	94	123241	1.25	1.28	
17 2-Chlorophenol	128	6.948	6.954	-0.006	94	104890	1.25	1.26	
18 1,3-Dichlorobenzene	146	7.181	7.187	-0.006	95	107963	1.25	1.27	
* 19 1,4-Dichlorobenzene-d4	152	7.269	7.274	-0.005	96	280464	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.298	7.298	0.000	95	112206	1.25	1.30	
21 Benzyl alcohol	108	7.473	7.478	-0.005	94	66308	1.25	1.22	
22 1,2-Dichlorobenzene	146	7.513	7.519	-0.006	95	105895	1.25	1.29	
23 2-Methylphenol	108	7.642	7.647	-0.005	94	98223	1.25	1.27	
24 Indene	115	7.647	7.653	-0.006	87	152265	1.25	1.22	
25 2,2'-oxybis[1-chloropropane]	45	7.688	7.700	-0.012	96	155729	1.25	1.24	
26 N-Nitrosopyrrolidine	100	7.828	7.840	-0.012	95	55050	1.25	1.25	
27 Acetophenone	105	7.869	7.880	-0.011	87	149669	1.25	1.31	
28 4-Methylphenol	108	7.875	7.880	-0.005	69	103276	1.25	1.28	
29 N-Nitrosodi-n-propylamine	70	7.881	7.892	-0.011	85	82594	1.25	1.27	
30 N-Nitrosomorpholine	56	7.898	7.910	-0.012	90	78406	1.25	1.30	
31 2-Toluidine	106	7.921	7.933	-0.012	95	172138	1.25	1.30	
32 Hexachloroethane	117	8.026	8.032	-0.006	96	47475	1.25	1.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.096	8.102	-0.006	88	246852	2.50	2.60	
34 Nitrobenzene	77	8.125	8.131	-0.006	87	125319	1.25	1.31	
35 N-Nitrosopiperidine	114	8.353	8.364	-0.011	88	53825	1.25	1.26	
36 Isophorone	82	8.498	8.504	-0.006	97	217508	1.25	1.26	
37 2-Nitrophenol	139	8.615	8.621	-0.006	90	49782	1.25	1.19	
38 2,4-Dimethylphenol	107	8.697	8.702	-0.005	96	104671	1.25	1.28	
40 Benzoic acid	105	8.772	8.825	-0.053	88	147998	3.75	2.87	
39 o,o',o"-Triethylphosphorothioat	198	8.825	8.830	-0.005	92	44778	1.25	1.27	
41 Bis(2-chloroethoxy)methane	93	8.860	8.865	-0.005	96	137249	1.25	1.25	
42 2,4-Dichlorophenol	162	8.982	8.994	-0.012	97	77787	1.25	1.26	
43 1,2,4-Trichlorobenzene	180	9.128	9.134	-0.006	94	80530	1.25	1.27	
* 44 Naphthalene-d8	136	9.210	9.215	-0.005	100	1039756	5.00	5.00	
45 Naphthalene	128	9.245	9.250	-0.005	97	305696	1.25	1.32	
46 4-Chloroaniline	127	9.338	9.343	-0.005	93	119990	1.25	1.29	
47 2,6-Dichlorophenol	162	9.344	9.349	-0.005	89	74312	1.25	1.28	
48 Hexachloropropene	213	9.390	9.396	-0.006	92	47239	1.25	1.20	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	97	43814	1.25	1.30	
S 51 Diallate	86				0		1.25	1.24	
50 Quinoline	129	9.769	9.775	-0.006	97	191605	1.25	1.31	
52 Caprolactam	113	9.827	9.862	-0.035	80	32939	1.25	1.25	
53 N-Nitrosodi-n-butylamine	84	9.897	9.903	-0.006	94	74094	1.25	1.14	
54 4-Chloro-3-methylphenol	107	10.113	10.124	-0.011	94	88397	1.25	1.29	
55 Safrole, Total	162	10.230	10.235	-0.005	88	68914	1.25	1.24	
56 2-Methylnaphthalene	142	10.352	10.358	-0.006	93	189462	1.25	1.30	
57 1-Methylnaphthalene	142	10.504	10.509	-0.005	94	185174	1.25	1.34	
58 Hexachlorocyclopentadiene	237	10.608	10.614	-0.006	96	43472	1.25	1.17	
59 1,2,4,5-Tetrachlorobenzene	216	10.620	10.626	-0.006	98	77746	1.25	1.29	
60 Isosafrole Peak 1	162	10.702	10.707	-0.005	87	12666	0.2000	0.1939	
61 2,4,6-Trichlorophenol	196	10.807	10.812	-0.005	93	48956	1.25	1.17	
62 2,4,5-Trichlorophenol	196	10.853	10.859	-0.006	93	54111	1.25	1.24	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.958	10.964	-0.006	99	409052	2.50	2.67	
64 Isosafrole Peak 2	162	11.063	11.069	-0.006	90	68284	1.05	1.01	
65 1,1'-Biphenyl	154	11.110	11.115	-0.005	96	233245	1.25	1.31	
66 2-Chloronaphthalene	162	11.127	11.133	-0.006	96	177862	1.25	1.31	
67 1-Chloronaphthalene	162	11.162	11.168	-0.006	97	162014	1.25	1.27	
68 Phenyl ether	170	11.290	11.296	-0.006	87	122476	1.25	1.30	
69 2-Nitroaniline	138	11.296	11.308	-0.012	79	59211	1.25	1.28	
70 1,4-Naphthoquinone	158	11.413	11.424	-0.011	88	65119	1.25	1.15	
71 1,4-Dinitrobenzene	168	11.529	11.535	-0.006	89	28192	1.25	1.14	
72 Dimethyl phthalate	163	11.617	11.622	-0.005	97	183866	1.25	1.27	
73 1,3-Dinitrobenzene	168	11.634	11.640	-0.006	86	32291	1.25	1.18	
74 2,6-Dinitrotoluene	165	11.687	11.692	-0.005	90	42099	1.25	1.22	
75 Acenaphthylene	152	11.763	11.768	-0.006	99	260998	1.25	1.30	
76 3-Nitroaniline	138	11.914	11.920	-0.006	88	45135	1.25	1.18	
* 77 Acenaphthene-d10	164	11.967	11.972	-0.006	97	495034	5.00	5.00	
78 Acenaphthene	153	12.013	12.013	0.000	95	180477	1.25	1.30	
79 2,4-Dinitrophenol	184	12.060	12.065	-0.005	85	70521	3.75	2.87	
80 4-Nitrophenol	109	12.141	12.153	-0.012	84	49477	2.50	1.97	
81 Pentachlorobenzene	250	12.188	12.194	-0.006	96	61848	1.25	1.30	
82 2,4-Dinitrotoluene	165	12.235	12.240	-0.005	86	55668	1.25	1.22	
83 Dibenzofuran	168	12.240	12.246	-0.006	97	242198	1.25	1.30	
84 1-Naphthylamine	143	12.340	12.345	-0.005	99	170494	1.25	1.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.398	12.403	-0.005	78	35702	1.25	1.13	
86 2-Naphthylamine	143	12.439	12.444	-0.005	97	169211	1.25	1.25	
87 Diethyl phthalate	149	12.561	12.572	-0.011	98	183913	1.25	1.22	
88 Thionazin	107	12.660	12.666	-0.006	78	37426	1.25	1.33	
89 Fluorene	166	12.672	12.672	0.000	96	199256	1.25	1.36	
90 N-Nitro-o-toluidine	152	12.683	12.695	-0.012	82	54943	1.25	1.27	
91 4-Chlorophenyl phenyl ether	204	12.689	12.695	-0.006	89	91609	1.25	1.33	
92 4-Nitroaniline	138	12.689	12.701	-0.012	77	50399	1.25	1.22	
93 4,6-Dinitro-2-methylphenol	198	12.736	12.741	-0.005	80	54910	2.50	1.93	
94 N-Nitrosodiphenylamine	169	12.835	12.841	-0.006	61	157739	1.25	1.28	
95 1,2-Diphenylhydrazine	77	12.882	12.887	-0.005	41	224419	1.25	1.31	
\$ 96 2,4,6-Tribromophenol	330	12.969	12.975	-0.006	82	37490	2.50	2.44	
97 Sulfotepp	97	13.062	13.062	0.000	77	34695	1.25	1.23	
98 cis-Diallate	86	13.208	13.214	-0.006	93	70173	0.9250	0.9162	
99 Phorate	75	13.220	13.219	0.001	96	133083	1.25	1.26	
100 Phenacetin	108	13.220	13.231	-0.011	91	94911	1.25	1.17	
101 4-Bromophenyl phenyl ether	248	13.301	13.301	0.000	69	46623	1.25	1.36	
102 trans-Diallate	86	13.319	13.324	-0.005	95	25083	0.3250	0.3212	
103 Hexachlorobenzene	284	13.354	13.359	-0.005	92	45593	1.25	1.26	
104 Dimethoate	87	13.418	13.423	-0.005	98	91158	1.25	1.18	
105 Atrazine	200	13.517	13.523	-0.006	88	49817	1.25	1.30	
106 Pentachlorophenol	266	13.616	13.616	0.000	90	28076	1.25	1.09	
108 4-Aminobiphenyl	169	13.628	13.633	-0.005	91	171009	1.25	1.27	
107 Pentachloronitrobenzene	237	13.628	13.633	-0.005	48	19323	1.25	1.20	
109 Pronamide	173	13.715	13.721	-0.006	90	80210	1.25	1.19	
* 110 Phenanthrene-d10	188	13.867	13.866	0.001	98	911510	5.00	5.00	
111 Dinoseb	211	13.867	13.872	-0.005	73	35957	1.25	0.9772	
112 Phenanthrene	178	13.896	13.901	-0.005	98	275150	1.25	1.33	
113 Anthracene	178	13.966	13.971	-0.005	98	268656	1.25	1.29	
114 Carbazole	167	14.181	14.187	-0.006	95	259500	1.25	1.28	
115 Methyl parathion	109	14.385	14.391	-0.006	91	67892	1.25	1.11	
116 Di-n-butyl phthalate	149	14.700	14.706	-0.006	100	321720	1.25	1.22	
117 Ethyl Parathion	109	14.951	14.951	0.000	83	36499	1.25	1.03	
118 4-Nitroquinoline-1-oxide	190	14.968	14.974	-0.006	80	17931	1.25	0.7076	
119 Octachlorostyrene	308	15.318	15.318	0.000	89	16523	1.25	1.17	
120 Isodrin	193	15.376	15.376	0.000	89	32669	1.25	1.28	
121 Fluoranthene	202	15.598	15.603	-0.005	98	296869	1.25	1.26	
122 Benzidine	184	15.819	15.831	-0.012	100	579738	3.75	3.78	
* 123 Pyrene-d10 (IS)	212	15.924	15.930	-0.006	99	907127	5.00	5.00	
124 Pyrene	202	15.953	15.959	-0.006	97	326619	1.25	1.31	
\$ 125 p-Terphenyl-d14	244	16.233	16.239	-0.006	99	367213	2.50	2.67	
126 p-Dimethylamino azobenzene	225	16.466	16.472	-0.006	92	48862	1.25	1.15	
127 Chlorobenzilate	139	16.559	16.565	-0.006	85	92954	1.25	1.19	
128 3,3'-Dimethylbenzidine	212	17.037	17.043	-0.006	99	163549	1.25	1.05	
129 Butyl benzyl phthalate	149	17.096	17.101	-0.005	97	150089	1.25	1.23	
130 2-Acetylaminofluorene	181	17.463	17.474	-0.011	94	85650	1.25	0.9320	
131 3,3'-Dichlorobenzidine	252	17.982	17.987	-0.005	76	92083	1.25	1.18	
132 Benzo[a]anthracene	228	17.999	18.005	-0.006	99	260863	1.25	1.34	
133 4,4'-Methylene bis(2-chloroani	231	18.005	18.011	-0.006	91	50342	1.25	1.19	
134 Chrysene	228	18.063	18.069	-0.006	98	272309	1.25	1.33	
135 Bis(2-ethylhexyl) phthalate	149	18.174	18.180	-0.006	98	201621	1.25	1.17	
136 6-Methylchrysene	242	18.873	18.879	-0.006	99	181021	1.25	1.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.346	19.351	-0.005	99	328436	1.25	1.09	
138 Benzo[b]fluoranthene	252	19.870	19.882	-0.012	97	262346	1.25	1.30	
139 7,12-Dimethylbenz(a)anthracene	256	19.876	19.887	-0.011	70	114630	1.25	1.24	
140 Benzo[k]fluoranthene	252	19.923	19.934	-0.011	98	262087	1.25	1.28	
141 Benzo[a]pyrene	252	20.406	20.412	-0.006	80	246902	1.25	1.28	
* 142 Perylene-d12	264	20.500	20.505	-0.005	96	849862	5.00	5.00	
143 3-Methylcholanthrene	268	20.978	20.989	-0.011	95	117630	1.25	1.16	
144 Dibenz[a,h]acridine	279	21.805	21.817	-0.012	92	161750	1.25	1.09	
145 Dibenz[a,j]acridine	279	21.881	21.892	-0.011	95	179461	1.25	1.13	
146 Indeno[1,2,3-cd]pyrene	276	22.155	22.166	-0.011	96	186533	1.25	1.15	
147 Dibenz(a,h)anthracene	278	22.196	22.207	-0.011	93	215078	1.25	1.24	
148 Benzo[g,h,i]perylene	276	22.586	22.598	-0.012	95	219726	1.25	1.24	
S 152 Dinitrotoluene	165				0		2.50	2.44	
S 170 Isosafrole	162				0		1.25	1.20	

Reagents:

MSS_RV8270_3_00005

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:07:59

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0637.D

Injection Date: 15-Apr-2020 21:39:30

Instrument ID: HP19760

Operator ID:
Worklist Smp#:

em10340

Lims ID: IC L3

Client ID:

Injection Vol: 1.0 ul

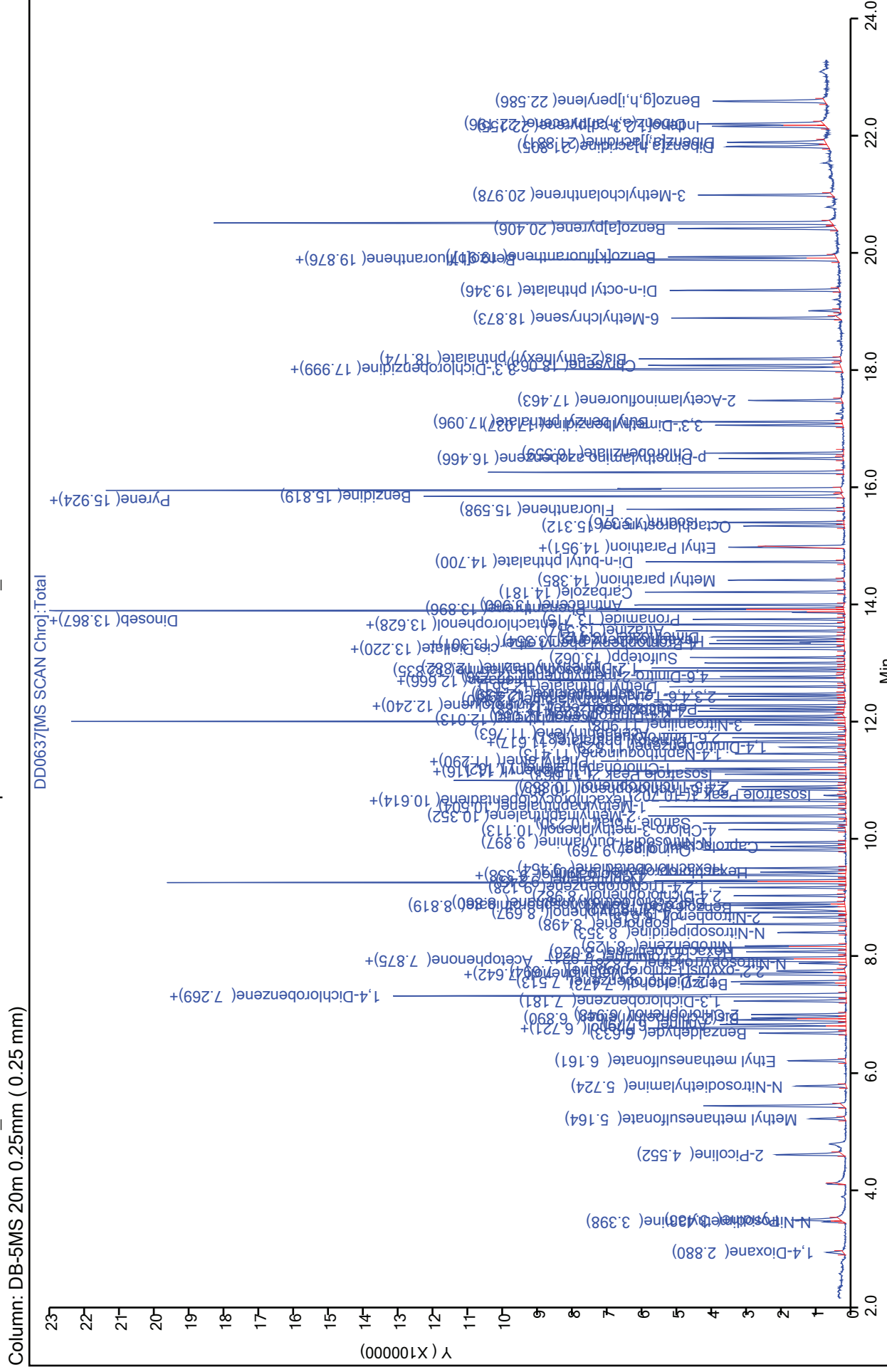
Dil. Factor:

1.0000

Method: MSSemi HP19760

MSSV - 8270D ELVI

ALS Bottle#:

 ∞ 

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Lims ID: IC L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 15-Apr-2020 22:07:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SST0.25;RVSTD0940;1;1;STD;
 Misc. Info.: ;ALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:08:08 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:55:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.897	2.885	0.012	89	9423	0.2500	0.2507	
2 N-Nitrosodimethylamine	74	3.427	3.404	0.023	94	14105	0.2500	0.2383	
3 Pyridine	79	3.457	3.427	0.030	89	23424	0.2500	0.2273	
4 2-Picoline	93	4.558	4.552	0.006	89	22913	0.2500	0.2194	
5 N-Nitrosomethylethylamine	88	4.739	4.739	0.000	84	11433	0.2500	0.2553	
7 Methyl methanesulfonate	80	5.164	5.176	-0.012	85	10635	0.2500	0.2217	
\$ 8 2-Fluorophenol	112	5.392	5.392	0.000	94	39574	0.5000	0.4689	
9 N-Nitrosodiethylamine	102	5.730	5.735	-0.005	92	9490	0.2500	0.2240	
10 Ethyl methanesulfonate	109	6.161	6.167	-0.006	98	10465	0.2500	0.2345	
12 Benzaldehyde	77	6.633	6.639	-0.006	95	16298	0.2500	0.2383	
\$ 13 Phenol-d5	99	6.721	6.726	-0.005	99	52021	0.5000	0.4612	
14 Phenol	94	6.738	6.744	-0.006	92	28320	0.2500	0.2463	
15 Aniline	93	6.779	6.790	-0.011	91	33098	0.2500	0.2331	
16 Bis(2-chloroethyl)ether	93	6.895	6.895	0.000	92	24052	0.2500	0.2501	
17 2-Chlorophenol	128	6.954	6.954	0.000	93	19830	0.2500	0.2388	
18 1,3-Dichlorobenzene	146	7.181	7.187	-0.006	95	21154	0.2500	0.2482	
* 19 1,4-Dichlorobenzene-d4	152	7.269	7.274	-0.006	97	280070	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.292	7.298	-0.006	91	20445	0.2500	0.2370	
21 Benzyl alcohol	108	7.473	7.478	-0.006	90	12603	0.2500	0.2315	
22 1,2-Dichlorobenzene	146	7.513	7.519	-0.006	93	19730	0.2500	0.2410	
23 2-Methylphenol	108	7.636	7.647	-0.011	95	18077	0.2500	0.2338	
24 Indene	115	7.653	7.653	0.000	87	32902	0.2500	0.2634	
25 2,2'-oxybis[1-chloropropane]	45	7.688	7.700	-0.012	97	31915	0.2500	0.2553	
26 N-Nitrosopyrrolidine	100	7.828	7.840	-0.012	96	10206	0.2500	0.2320	
27 Acetophenone	105	7.869	7.880	-0.011	83	27327	0.2500	0.2402	
28 4-Methylphenol	108	7.869	7.880	-0.011	67	19758	0.2500	0.2446	
29 N-Nitrosodi-n-propylamine	70	7.881	7.892	-0.012	80	16109	0.2500	0.2483	
30 N-Nitrosomorpholine	56	7.892	7.910	-0.018	76	15207	0.2500	0.2526	
31 2-Toluidine	106	7.921	7.933	-0.012	95	31654	0.2500	0.2402	
32 Hexachloroethane	117	8.026	8.032	-0.006	94	8593	0.2500	0.2342	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	8.096	8.102	-0.006	89	47706	0.5000	0.4943	
34 Nitrobenzene	77	8.125	8.131	-0.006	89	24294	0.2500	0.2497	
35 N-Nitrosopiperidine	114	8.353	8.364	-0.011	87	10628	0.2500	0.2450	
36 Isophorone	82	8.498	8.504	-0.006	95	40879	0.2500	0.2334	
37 2-Nitrophenol	139	8.615	8.621	-0.006	89	9652	0.2500	0.2272	
38 2,4-Dimethylphenol	107	8.697	8.702	-0.005	94	19632	0.2500	0.2364	
40 Benzoic acid	105	8.761	8.825	-0.064	87	74000	2.50	1.41	
39 o,o',o"-Triethylphosphorothioat	198	8.819	8.830	-0.011	90	8117	0.2500	0.2272	
41 Bis(2-chloroethoxy)methane	93	8.860	8.865	-0.005	96	28300	0.2500	0.2544	
42 2,4-Dichlorophenol	162	8.982	8.994	-0.012	94	14850	0.2500	0.2374	
43 1,2,4-Trichlorobenzene	180	9.128	9.134	-0.006	93	15890	0.2500	0.2461	
* 44 Naphthalene-d8	136	9.209	9.215	-0.006	100	1055380	5.00	5.00	
45 Naphthalene	128	9.244	9.250	-0.006	97	57879	0.2500	0.2466	
46 4-Chloroaniline	127	9.338	9.343	-0.005	93	22582	0.2500	0.2390	
47 2,6-Dichlorophenol	162	9.343	9.349	-0.006	90	13674	0.2500	0.2323	
48 Hexachloropropene	213	9.390	9.396	-0.006	90	8431	0.2500	0.2105	
49 Hexachlorobutadiene	225	9.454	9.460	-0.006	96	8194	0.2500	0.2389	
S 51 Diallate	86				0		0.2500	0.2242	
50 Quinoline	129	9.769	9.775	-0.006	96	36189	0.2500	0.2429	
52 Caprolactam	113	9.821	9.862	-0.041	77	5508	0.2500	0.2056	
53 N-Nitrosodi-n-butylamine	84	9.897	9.903	-0.006	94	12949	0.2500	0.1958	
54 4-Chloro-3-methylphenol	107	10.113	10.124	-0.011	93	15548	0.2500	0.2236	
55 Safrole, Total	162	10.229	10.235	-0.006	88	13419	0.2500	0.2386	
56 2-Methylnaphthalene	142	10.352	10.358	-0.006	92	35539	0.2500	0.2398	
57 1-Methylnaphthalene	142	10.503	10.509	-0.006	90	32738	0.2500	0.2326	
58 Hexachlorocyclopentadiene	237	10.608	10.614	-0.006	93	8020	0.2500	0.2161	
59 1,2,4,5-Tetrachlorobenzene	216	10.614	10.626	-0.012	94	14274	0.2500	0.2370	
60 Isosafrole Peak 1	162	10.702	10.707	-0.005	87	2330	0.0400	0.0357	
61 2,4,6-Trichlorophenol	196	10.801	10.812	-0.011	93	9995	0.2500	0.2386	
62 2,4,5-Trichlorophenol	196	10.853	10.859	-0.006	89	9326	0.2500	0.2133	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.958	10.964	-0.006	99	78982	0.5000	0.5155	
64 Isosafrole Peak 2	162	11.069	11.069	0.000	89	13455	0.2100	0.1993	
65 1,1'-Biphenyl	154	11.110	11.115	-0.005	95	41372	0.2500	0.2328	
66 2-Chloronaphthalene	162	11.127	11.133	-0.006	96	34803	0.2500	0.2577	
67 1-Chloronaphthalene	162	11.156	11.168	-0.012	96	30478	0.2500	0.2402	
68 Phenyl ether	170	11.290	11.296	-0.006	85	22605	0.2500	0.2403	
69 2-Nitroaniline	138	11.296	11.308	-0.012	78	9615	0.2500	0.2074	
70 1,4-Naphthoquinone	158	11.413	11.424	-0.011	83	11183	0.2500	0.1979	
71 1,4-Dinitrobenzene	168	11.529	11.535	-0.006	92	4902	0.2500	0.1980	
72 Dimethyl phthalate	163	11.611	11.622	-0.011	98	35470	0.2500	0.2447	
73 1,3-Dinitrobenzene	168	11.634	11.640	-0.006	85	5712	0.2500	0.2087	
74 2,6-Dinitrotoluene	165	11.687	11.692	-0.005	87	7106	0.2500	0.2071	
75 Acenaphthylene	152	11.762	11.768	-0.006	99	47059	0.2500	0.2344	
76 3-Nitroaniline	138	11.914	11.920	-0.006	83	7712	0.2500	0.2025	
* 77 Acenaphthene-d10	164	11.966	11.972	-0.006	97	494222	5.00	5.00	
78 Acenaphthene	153	12.013	12.013	0.000	96	35901	0.2500	0.2591	
79 2,4-Dinitrophenol	184	12.060	12.065	-0.005	85	31988	2.25	1.31	
80 4-Nitrophenol	109	12.141	12.153	-0.012	82	23603	1.25	0.9432	
81 Pentachlorobenzene	250	12.188	12.194	-0.006	94	12336	0.2500	0.2602	
82 2,4-Dinitrotoluene	165	12.235	12.240	-0.006	85	9219	0.2500	0.2021	
83 Dibenzofuran	168	12.240	12.246	-0.006	97	48964	0.2500	0.2635	
84 1-Naphthylamine	143	12.339	12.345	-0.006	98	31117	0.2500	0.2235	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.398	12.403	-0.005	76	6612	0.2500	0.2087	
86 2-Naphthylamine	143	12.439	12.444	-0.006	95	29897	0.2500	0.2213	
87 Diethyl phthalate	149	12.561	12.572	-0.011	98	33604	0.2500	0.2225	
88 Thionazin	107	12.660	12.666	-0.006	72	5999	0.2500	0.2134	
89 Fluorene	166	12.672	12.672	0.000	95	35709	0.2500	0.2438	
90 N-Nitro-o-toluidine	152	12.683	12.695	-0.012	74	9121	0.2500	0.2111	
91 4-Chlorophenyl phenyl ether	204	12.689	12.695	-0.006	86	17607	0.2500	0.2559	
92 4-Nitroaniline	138	12.689	12.701	-0.012	74	9329	0.2500	0.2257	
93 4,6-Dinitro-2-methylphenol	198	12.736	12.741	-0.005	76	20708	1.25	0.7233	
94 N-Nitrosodiphenylamine	169	12.835	12.841	-0.006	62	28456	0.2500	0.2287	
95 1,2-Diphenylhydrazine	77	12.881	12.887	-0.006	41	39982	0.2500	0.2318	
\$ 96 2,4,6-Tribromophenol	330	12.969	12.975	-0.006	81	5819	0.5000	0.3789	
97 Sulfotepp	97	13.062	13.062	0.000	77	6740	0.2500	0.2368	
98 cis-Diallate	86	13.208	13.214	-0.006	84	12671	0.1850	0.1641	
99 Phorate	75	13.220	13.219	0.001	95	23219	0.2500	0.2182	
100 Phenacetin	108	13.220	13.231	-0.011	89	15592	0.2500	0.1911	
101 4-Bromophenyl phenyl ether	248	13.301	13.301	0.000	69	7715	0.2500	0.2237	
102 trans-Diallate	86	13.319	13.324	-0.005	96	4731	0.0650	0.0601	
103 Hexachlorobenzene	284	13.359	13.359	0.000	91	9536	0.2500	0.2618	
104 Dimethoate	87	13.412	13.423	-0.011	96	14770	0.2500	0.1895	
105 Atrazine	200	13.517	13.523	-0.006	86	7997	0.2500	0.2064	
106 Pentachlorophenol	266	13.610	13.616	-0.006	87	4183	0.2500	0.1614	
108 4-Aminobiphenyl	169	13.628	13.633	-0.005	89	30866	0.2500	0.2280	
107 Pentachloronitrobenzene	237	13.628	13.633	-0.005	47	3810	0.2500	0.2353	
109 Pronamide	173	13.715	13.721	-0.006	90	12848	0.2500	0.1890	
* 110 Phenanthrene-d10	188	13.867	13.866	0.001	97	918720	5.00	5.00	
111 Dinoseb	211	13.872	13.872	0.000	60	5669	0.2500	0.1529	
112 Phenanthrene	178	13.896	13.901	-0.005	97	52442	0.2500	0.2511	
113 Anthracene	178	13.960	13.971	-0.011	98	49577	0.2500	0.2371	
114 Carbazole	167	14.181	14.187	-0.006	95	48592	0.2500	0.2371	
115 Methyl parathion	109	14.385	14.391	-0.006	89	10160	0.2500	0.1651	
116 Di-n-butyl phthalate	149	14.700	14.706	-0.006	99	53493	0.2500	0.2019	
117 Ethyl Parathion	109	14.945	14.951	-0.006	81	5221	0.2500	0.1467	
118 4-Nitroquinoline-1-oxide	190	14.968	14.974	-0.006	73	2946	0.2500	0.1153	
119 Octachlorostyrene	308	15.312	15.318	-0.006	82	4170	0.2500	0.2930	
120 Isodrin	193	15.370	15.376	-0.006	87	6012	0.2500	0.2337	
121 Fluoranthene	202	15.598	15.603	-0.005	98	54004	0.2500	0.2280	
122 Benzidine	184	15.819	15.831	-0.012	100	271607	2.00	1.77	
* 123 Pyrene-d10 (IS)	212	15.924	15.930	-0.006	99	908906	5.00	5.00	
124 Pyrene	202	15.953	15.959	-0.006	97	64383	0.2500	0.2571	
\$ 125 p-Terphenyl-d14	244	16.233	16.239	-0.006	99	68936	0.5000	0.4999	
126 p-Dimethylamino azobenzene	225	16.466	16.472	-0.006	93	7124	0.2500	0.1673	
127 Chlorobenzilate	139	16.559	16.565	-0.006	84	14794	0.2500	0.1898	
128 3,3'-Dimethylbenzidine	212	17.043	17.043	0.000	98	24276	0.2500	0.1558	
129 Butyl benzyl phthalate	149	17.096	17.101	-0.005	96	23815	0.2500	0.1946	
130 2-Acetylaminofluorene	181	17.463	17.474	-0.011	95	10830	0.2500	0.1176	
131 3,3'-Dichlorobenzidine	252	17.982	17.987	-0.005	74	14093	0.2500	0.1799	
132 Benzo[a]anthracene	228	17.999	18.005	-0.006	98	43885	0.2500	0.2243	
133 4,4'-Methylene bis(2-chloroani	231	17.999	18.011	-0.012	82	7336	0.2500	0.1734	
134 Chrysene	228	18.063	18.069	-0.006	98	51039	0.2500	0.2483	
135 Bis(2-ethylhexyl) phthalate	149	18.174	18.180	-0.006	98	29606	0.2500	0.1711	
136 6-Methylchrysene	242	18.873	18.879	-0.006	98	30556	0.2500	0.2074	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.351	19.351	0.000	99	42209	0.2500	0.1449	
138 Benzo[b]fluoranthene	252	19.870	19.882	-0.012	96	42571	0.2500	0.2181	
139 7,12-Dimethylbenz(a)anthracene	256	19.876	19.887	-0.011	72	18016	0.2500	0.2013	
140 Benzo[k]fluoranthene	252	19.917	19.934	-0.017	98	44412	0.2500	0.2246	
141 Benzo[a]pyrene	252	20.400	20.412	-0.012	80	39799	0.2500	0.2133	
* 142 Perylene-d12	264	20.500	20.505	-0.005	96	821651	5.00	5.00	
143 3-Methylcholanthrene	268	20.977	20.989	-0.012	94	19320	0.2500	0.1974	
144 Dibenz[a,h]acridine	279	21.805	21.817	-0.012	91	24630	0.2500	0.1718	
145 Dibenz[a,j]acridine	279	21.881	21.892	-0.011	94	26241	0.2500	0.1704	
146 Indeno[1,2,3-cd]pyrene	276	22.149	22.166	-0.017	94	30420	0.2500	0.1936	
147 Dibenz(a,h)anthracene	278	22.201	22.207	-0.006	92	33289	0.2500	0.1980	
148 Benzo[g,h,i]perylene	276	22.580	22.598	-0.018	93	36985	0.2500	0.2158	
S 152 Dinitrotoluene	165				0		0.5000	0.4092	
S 170 Isosafrole	162				0		0.2500	0.2350	

Reagents:

MSS_RV8270_2_00005

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:08:09

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D

Injection Date: 15-Apr-2020 22:07:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: ICL2

Worklist Smp#:

Client ID:

Injection Vol: 1.0 ul

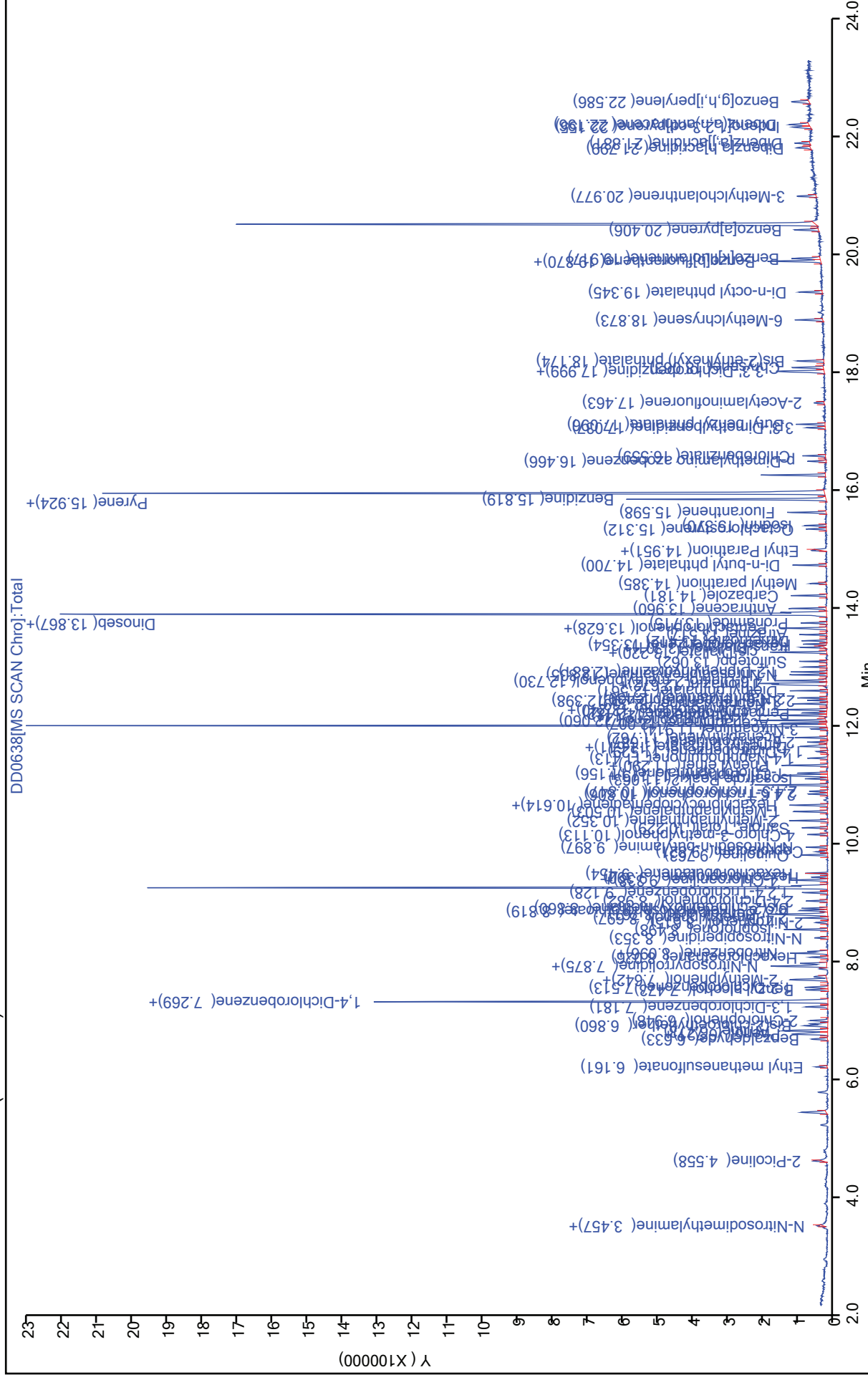
Dil. Factor:

ALS Bottle#: 9

Method: MSSemi HP19760

Limit Group: M5SV - 8270D ELVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



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

FORM VI

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279

SDG No.: Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-20279/3	DG0352.D
Level 2	IC 410-20279/9	DG0358.D
Level 3	IC 410-20279/8	DG0357.D
Level 4	IC 410-20279/7	DG0356.D
Level 5	ICIS 410-20279/2	DG0351.D
Level 6	IC 410-20279/6	DG0355.D
Level 7	IC 410-20279/5	DG0354.D
Level 8	IC 410-20279/4	DG0353.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5			B	M1	M2								
1,4-Dioxane	++++ 0.7659	++++ 0.7919	0.7592 0.8458	0.7140	0.8196		Ave		0.7827				6.0		20.0			
N-Nitrosodimethylamine	++++ 1.2329	++++ 1.2436	1.2761 1.3273	1.1537	1.2912		Ave		1.2541				4.8		20.0			
Pyridine	++++ 2.0275	++++ 2.1397	2.2246 2.2090	1.9743	2.1546		Ave		2.1216				4.7		20.0			
2-Picoline	++++ 2.1696	++++ 2.2302	2.2101 2.3014	2.0273	2.2333		Ave		2.1953				4.2		20.0			
N-Nitrosomethylethylamine	++++ 0.9279	++++ 0.9361	0.9341 0.9605	0.8565	0.9353		Ave		0.9251				3.8		20.0			
Methyl methanesulfonate	++++ 0.9750	++++ 0.9839	1.0325 0.9976	0.9775	1.0035		Ave		0.9950				2.2		20.0			
N-Nitrosodiethylamine	++++ 0.8941	0.7808 0.8951	0.9129 0.9134	0.8460	0.8874		Ave		0.8757				5.4		20.0			
Ethyl methanesulfonate	++++ 0.9025	0.8035 0.9014	0.9618 0.9153	0.8869	0.9133		Ave		0.8978				5.3		20.0			
Benzaldehyde	++++ 1.4843	++++ 1.3303	1.2237 1.2398	1.3719	1.5349		Ave		1.3641			0.0100	9.3		20.0			
Phenol	++++ 2.5666	2.3741 2.5872	2.8204 2.5761	2.3639	2.7147		Ave		2.5718			0.8000	6.4		20.0			
Aniline	++++ 3.0508	2.8150 3.0891	3.2573 3.0384	3.0104	3.1883		Ave		3.0642				4.6		20.0			
Bis(2-chloroethyl)ether	++++ 1.9283	1.8460 1.9410	2.1163 1.9002	1.9119	2.0479		Ave		1.9559			0.7000	4.8		20.0			
2-Chlorophenol	++++ 1.5615	1.4084 1.5744	1.6979 1.5594	1.5508	1.5998		Ave		1.5646			0.8000	5.5		20.0			
1,3-Dichlorobenzene	++++ 1.6357	1.5843 1.6533	1.7964 1.6129	1.6548	1.6583		Ave		1.6565				4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	RRF								CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B	M1	M2												
1,4-Dichlorobenzene	++++ 1.6656	1.6352 1.6725	1.8572 1.6283	1.6795	1.6739	Ave			1.6875			4.6		20.0						
Benzyl alcohol	++++ 1.1343	++++ 1.1278	1.0828 1.1446	1.0592	1.1481	Ave			1.1162			3.3		20.0						
1,2-Dichlorobenzene	++++ 1.5600	1.5005 1.5692	1.7421 1.5332	1.6132	1.5880	Ave			1.5866			4.9		20.0						
Indene	++++ 2.4734	++++ 2.4843	2.4363 2.4511	2.4573	2.6101	Ave			2.4854			2.5		20.0						
2-Methylphenol	++++ 1.6025	1.3454 1.6055	1.7324 1.5872	1.5720	1.6869	Ave			1.5903		0.7000	7.7		20.0						
2,2'-oxybis[1-chloropropane]	++++ 2.0584	1.9280 2.0756	2.2725 1.9959	2.2794	2.2037	Ave			2.1162		0.0100	6.5		20.0						
N-Nitrosopyrrolidine	++++ 0.9360	0.7593 0.9270	0.9575 0.9335	0.8760	0.9761	Ave			0.9093			8.0		20.0						
Acetophenone	++++ 2.4489	2.2223 2.3324	2.1365 2.4217	2.2955	2.5255	Ave			2.3404		0.0100	5.8		20.0						
4-Methylphenol (and/or 3-Methylphenol)	++++ 1.6966	1.4916 1.6693	1.8539 1.7574	1.6684	1.7795	Ave			1.7024		0.6000	6.7		20.0						
N-Nitrosodi-n-propylamine	++++ 1.3745	1.1799 1.3617	1.4919 1.3519	1.3428	1.4953	Ave			1.3712		0.5000	7.8		20.0						
N-Nitrosomorpholine	++++ 1.1108	++++ 1.0946	1.2529 1.0654	1.1679	1.2113	Ave			1.1505			6.3		20.0						
o-Toluidine	++++ 2.7141	2.5780 2.6935	2.9903 2.6120	2.6866	2.8502	Ave			2.7321			5.2		20.0						
Hexachloroethane	++++ 0.7310	++++ 0.7248	0.8363 0.7115	0.7536	0.7454	Ave			0.7504		0.3000	5.9		20.0						
Nitrobenzene	++++ 0.5061	0.4872 0.5047	0.5592 0.4846	0.5392	0.5230	Ave			0.5149		0.2000	5.3		20.0						
N-Nitrosopiperidine	++++ 0.2116	0.1780 0.2100	0.2249 0.2046	0.2125	0.2125	Ave			0.2077			7.0		20.0						
Isophorone	++++ 0.9307	0.8444 0.9134	1.0334 0.8818	0.9457	0.9573	Ave			0.9295		0.4000	6.5		20.0						
2-Nitrophenol	++++ 0.2140	++++ 0.2144	0.2081 0.2092	0.2112	0.2146	Ave			0.2119		0.1000	1.3		20.0						
2,4-Dimethylphenol	++++ 0.4389	0.3882 0.4321	0.4797 0.4205	0.4400	0.4476	Ave			0.4353		0.2000	6.4		20.0						
o,o',o''-Triethylphosphorothioate	++++ 0.1927	++++ 0.1872	0.2074 0.1817	0.1998	0.1889	Ave			0.1929			4.8		20.0						
Benzoic acid	++++ 0.3208	++++ 0.3132	0.2659 0.3113	0.2799	0.3317	Ave			0.3038			8.4		20.0						

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4		B	M1	M2								
Bis(2-chloroethoxy)methane	++++ 0.5671	0.5688 0.5613	0.6504 0.5325	0.5794	0.6067 Ave		0.5809			0.3000	6.5		20.0			
2,4-Dichlorophenol	++++ 0.3211	0.2869 0.3108	0.3467 0.3024	0.3289	0.3258 Ave		0.3175			0.2000	6.1		20.0			
1,2,4-Trichlorobenzene	++++ 0.3337	0.3263 0.3315	0.3668 0.3190	0.3554	0.3360 Ave		0.3384				5.0		20.0			
Naphthalene	1.1420 1.1135	1.1435 1.0990	1.2650 1.0321	1.1721	1.1443 Ave		1.1389			0.7000	5.8		20.0			
4-Chloroaniline	++++ 0.4669	0.4478 0.4514	0.5147 0.4367	0.4748	0.4763 Ave		0.4669			0.0100	5.5		20.0			
2,6-Dichlorophenol	++++ 0.2985	0.2687 0.2971	0.3363 0.2829	0.3103	0.3085 Ave		0.3003				7.2		20.0			
Hexachloropropene	++++ 0.2073	++++ 0.2065	0.2134 0.1990	0.2118	0.2050 Ave		0.2072				2.5		20.0			
Hexachlorobutadiene	++++ 0.1805	0.1592 0.1775	0.1970 0.1701	0.1882	0.1824 Ave		0.1793			0.0100	6.8		20.0			
Quinoline	++++ 0.7334	++++ 0.7210	0.8325 0.6895	0.7401	0.7517 Ave		0.7447				6.4		20.0			
Caprolactam	++++ 0.1400	++++ 0.1300	0.1099 0.1379	0.1250	0.1330 Ave		0.1293			0.0100	8.5		20.0			
N-Nitrosodi-n-butylamine	++++ 0.4010	++++ 0.3915	0.3418 0.3887	0.3125	0.3297 Ave		0.3608				10.4		20.0			
4-Chloro-3-methylphenol	++++ 0.3735	0.3115 0.3703	0.4047 0.3587	0.3678	0.3996 Ave		0.3694			0.2000	8.3		20.0			
Safrrole, Total	++++ 0.2870	++++ 0.2852	0.3061 0.2736	0.2922	0.2975 Ave		0.2903				3.8		20.0			
2-Methylnaphthalene	0.7123 0.7352	0.6890 0.7221	0.8217 0.6845	0.7615	0.7622 Ave		0.7360			0.4000	6.1		20.0			
1-Methylnaphthalene	0.6784 0.6867	0.6425 0.6816	0.7835 0.6465	0.7159	0.7241 Ave		0.6949				6.6		20.0			
Hexachlorocyclopentadiene	++++ 0.3918	++++ 0.4017	0.3657 0.4016	0.3949	0.3864 Ave		0.3903			0.0500	3.4		20.0			
1,2,4,5-Tetrachlorobenzene	++++ 0.6087	0.5904 0.6149	0.6833 0.6028	0.6491	0.6160 Ave		0.6236			0.0100	5.1		20.0			
Isosafrole Peak 1	++++ 0.6377	++++ 0.6432	0.6353 0.6365	0.6395	0.6174 Ave		0.6349				1.4		20.0			
2,4,6-Trichlorophenol	++++ 0.4419	0.3551 0.4395	0.4413 0.4374	0.4270	0.4405 Ave		0.4261			0.2000	7.4		20.0			
2,4,5-Trichlorophenol	++++ 0.4587	0.3872 0.4564	0.4904 0.4542	0.4518	0.4715 Ave		0.4529			0.2000	7.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5			B	M1	M2								
Isosafrole Peak 2	++++ 0.6786	++++ 0.6808	0.6999 0.6691	0.7004	0.6741	Ave			0.6838				1.9		20.0			
1,1'-Biphenyl	++++ 1.7586	2.4903 1.6578	1.6796 1.6361	1.8149	1.7744	Ave			1.8302			0.0100	16.3		20.0			
2-Chloronaphthalene	++++ 1.3609	1.2223 1.3567	1.5834 1.3240	1.4407	1.3498	Ave			1.3768			0.8000	8.1		20.0			
1-Chloronaphthalene	++++ 1.2347	1.2733 1.2260	1.3450 1.1662	1.2985	1.3270	Ave			1.2673				4.9		20.0			
Diphenyl ether	++++ 0.9071	1.9312 0.8996	1.1956 0.8666	1.0159	0.9488	Lin1		0.3008	0.8788							0.9990		0.9900
2-Nitroaniline	++++ 0.4742	0.3643 0.4694	0.4799 0.4722	0.4687	0.4711	Ave			0.4571			0.0100	9.0		20.0			
1,4-Naphthoquinone	++++ 0.5825	++++ 0.5748	0.5458 0.5817	0.5819	0.5785	Ave			0.5742				2.5		20.0			
1,4-Dinitrobenzene	++++ 0.2461	++++ 0.2485	0.2264 0.2529	0.2284	0.2399	Ave			0.2404				4.5		20.0			
Dimethyl phthalate	++++ 1.4838	++++ 1.4767	1.6539 1.4679	1.5570	1.5403	Ave			1.5299			0.0100	4.6		20.0			
1,3-Dinitrobenzene	++++ 0.2699	++++ 0.2719	0.2632 0.2748	0.2693	0.2689	Ave			0.2697				1.4		20.0			
2,6-Dinitrotoluene	++++ 0.3649	0.2891 0.3645	0.3777 0.3692	0.3740	0.3630	Ave			0.3575			0.2000	8.6		20.0			
Acenaphthylene	1.8930 1.9101	1.7052 1.9135	2.1109 1.8396	2.0070	1.9947	Ave			1.9217			0.9000	6.3		20.0			
3-Nitroaniline	++++ 0.4057	0.3214 0.4089	0.3998 0.4125	0.3920	0.4063	Ave			0.3924			0.0100	8.2		20.0			
Acenaphthene	1.4333 1.3696	1.3437 1.3500	1.5390 1.3175	1.4490	1.4338	Ave			1.4045			0.9000	5.2		20.0			
2,4-Dinitrophenol	++++ 0.2565	++++ 0.2604	++++ 0.2729	0.2199	0.2406	Ave			0.2500			0.0100	8.2		20.0			
4-Nitrophenol	++++ 0.2914	++++ 0.2913	++++ 0.2944	0.2491	0.2601	Ave			0.2773			0.0100	7.6		20.0			
Pentachlorobenzene	++++ 0.4930	0.5281 0.4875	0.5704 0.4789	0.5217	0.5127	Ave			0.5132				6.1		20.0			
2,4-Dinitrotoluene	++++ 0.4935	++++ 0.4876	0.4892 0.4889	0.4723	0.4952	Ave			0.4878			0.2000	1.7		20.0			
Dibenzofuran	++++ 1.7672	1.9134 1.7365	2.0755 1.6662	1.9374	1.8797	Ave			1.8537			0.8000	7.5		20.0			
1-Naphthylamine	++++ 1.3993	++++ 1.4018	++++ 1.3941	1.3860	1.4064	Ave			1.3975				0.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	++++ 0.3526	++++ 0.3510	0.3526 0.3551	0.3527	0.3583	Ave		0.3537		0.0100	0.7		20.0				
2-Naphthylamine	++++ 1.3674	++++ 1.3662	++++ 1.3471	1.3458	1.3782	Ave		1.3609			1.0		20.0				
Diethyl phthalate	++++ 1.4733	++++ 1.4747	1.5210 1.4890	1.4753	1.5454	Ave		1.4964		0.0100	2.0		20.0				
Fluorene	1.4620 1.4400	1.4106 1.4012	1.6379 1.3755	1.5558	1.5343	Ave		1.4771		0.9000	6.1		20.0				
Thionazin	++++ 0.3274	++++ 0.3272	0.3254 0.3231	0.3169	0.3329	Ave		0.3255			1.6		20.0				
5-Nitro-o-toluidine	++++ 0.4333	0.3714 0.4313	0.4406 0.4280	0.4412	0.4507	Ave		0.4281			6.1		20.0				
4-Chlorophenyl-phenyl ether	++++ 0.6916	0.7222 0.6841	0.8210 0.6631	0.7447	0.7408	Ave		0.7239		0.4000	7.2		20.0				
4-Nitroaniline	++++ 0.4216	0.3425 0.4200	0.4668 0.4271	0.4449	0.4504	Ave		0.4248		0.0100	9.4		20.0				
4,6-Dinitro-2-methylphenol	++++ 0.1724	++++ 0.1720	++++ 0.1739	0.1552	0.1671	Ave		0.1681		0.0100	4.6		20.0				
N-Nitrosodiphenylamine	++++ 0.6669	0.5751 0.6553	0.7362 0.6317	0.7118	0.6678	Ave		0.6635		0.0100	7.9		20.0				
1,2-Diphenylhydrazine	++++ 1.0304	0.9252 1.0026	1.1440 0.9637	1.0927	1.0421	Ave		1.0287			7.2		20.0				
Sulfotepp	++++ 0.1687	++++ 0.1667	0.1645 0.1653	0.1744	0.1681	Ave		0.1679			2.1		20.0				
cis-Diallate	++++ 0.4647	++++ 0.4581	0.4878 0.4476	0.4544	0.4622	Ave		0.4625			3.0		20.0				
Phorate	++++ 0.6340	0.4731 0.6260	0.6407 0.6123	0.6293	0.6407	Ave		0.6080			9.9		20.0				
Phenacetin	++++ 0.4808	++++ 0.4745	0.4617 0.4737	0.4774	0.4704	Ave		0.4731			1.4		20.0				
4-Bromophenyl-phenylether	++++ 0.2029	0.1876 0.2012	0.2271 0.1939	0.2109	0.2058	Ave		0.2042		0.1000	6.2		20.0				
trans-Diallate	++++ 0.4618	++++ 0.4585	0.4680 0.4517	0.4733	0.4574	Ave		0.4618			1.7		20.0				
Hexachlorobenzene	0.2115 0.2016	0.2034 0.1964	0.2233 0.1902	0.2129	0.2054	Ave		0.2056		0.1000	5.0		20.0				
Dimethoate	++++ 0.4503	++++ 0.4441	0.4280 0.4367	0.4464	0.4519	Ave		0.4429			2.0		20.0				
Atrazine	++++ 0.2205	++++ 0.2076	0.1948 0.1964	0.2423	0.2270	Ave		0.2148		0.0100	8.7		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	RRF								CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B	M1	M2												
Pentachlorophenol	++++ 0.1629	++++ 0.1604	0.1523 0.1550	0.1605	0.1646	Ave			0.1593			0.0500	3.0		20.0					
4-Aminobiphenyl	++++ 0.7416	0.5992 0.7263	0.7942 0.6593	0.8094	0.7681	Ave			0.7283				10.4		20.0					
Pentachloronitrobenzene	++++ 0.0971	++++ 0.0950	0.0996 0.0941	0.1008	0.0980	Ave			0.0974				2.6		20.0					
Pronamide	++++ 0.3711	++++ 0.3709	0.3621 0.3561	0.3793	0.3719	Ave			0.3686				2.2		20.0					
Dinoseb	++++ 0.2335	++++ 0.2291	0.1764 0.2300	0.1983	0.2161	Ave			0.2139				10.5		20.0					
Phenanthrene	1.2083 1.1527	1.1747 1.1387	1.3218 1.0601	1.2469	1.1858	Ave			1.1861			0.7000	6.5		20.0					
Anthracene	1.0649 1.2043	1.0746 1.1725	1.3376 1.0987	1.2844	1.2230	Ave			1.1825			0.7000	8.4		20.0					
Carbazole	++++ 1.1105	0.9208 1.0805	1.1991 1.0346	1.1581	1.1303	Ave			1.0906			0.0100	8.4		20.0					
Methyl parathion	++++ 0.3534	++++ 0.3444	0.3001 0.3402	0.3344	0.3438	Ave			0.3361				5.6		20.0					
Di-n-butyl phthalate	++++ 1.4044	++++ 1.3769	1.4366 1.2837	1.4398	1.4608	Ave			1.4004			0.0100	4.6		20.0					
Parathion	++++ 0.2074	++++ 0.2069	0.1602 0.2100	0.1910	0.2000	Ave			0.1959				9.6		20.0					
4-Nitroquinoline-1-oxide	++++ 0.1474	++++ 0.1491	++++ 0.1566	0.0963	0.1267	Ave			0.1352				18.1		20.0					
Octachlorostyrene	++++ 0.0833	++++ 0.0847	0.0845 0.0839	0.0830	0.0841	Ave			0.0839				0.8		20.0					
Isodrin	++++ 0.1446	0.1207 0.1414	0.1532 0.1409	0.1489	0.1463	Ave			0.1423				7.3		20.0					
Fluoranthene	1.2573 1.3617	1.1653 1.3461	1.4393 1.2848	1.4069	1.4125	Ave			1.3342			0.6000	7.0		20.0					
Benzidine	++++ 0.8216	++++ 0.8004	++++ 0.7335	0.8657	0.8582	Ave			0.8159				6.5		20.0					
Pyrene	1.4251 1.3571	1.3765 1.3159	1.5070 1.2499	1.4138	1.3790	Ave			1.3780			0.6000	5.5		20.0					
p-Dimethylamino azobenzene	++++ 0.2588	++++ 0.2602	0.2202 0.2570	0.2403	0.2581	Ave			0.2491				6.4		20.0					
Chlorobenzilate	++++ 0.4280	++++ 0.4264	0.4017 0.4036	0.4160	0.4145	Ave			0.4150				2.7		20.0					
3,3'-Dimethylbenzidine	++++ 0.9254	++++ 0.9158	0.7663 0.8852	0.8160	0.9154	Ave			0.8707				7.5		20.0					

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B		M1	M2									
Butylbenzylphthalate	++++ 0.6413	++++ 0.6369	0.6130 0.6248	0.6196	0.6439	Ave			0.6299		0.0100	2.0		20.0				
2-Acetylaminofluorene	++++ 0.5567	++++ 0.5564	0.3639 0.5659	0.4474	0.5154	Ave			0.5009			16.0		20.0				
3,3'-Dichlorobenzidine	++++ 0.4768	++++ 0.4839	0.4301 0.4461	0.4355	0.4709	Ave			0.4572		0.0100	5.0		20.0				
Benzo[a]anthracene	0.9227 1.2153	0.9323 1.1979	1.2273 1.0987	1.1873	1.2279	Ave			1.1262		0.8000	11.5		20.0				
4,4'-Methylene bis(2-chloroaniline)	++++ 0.2552	++++ 0.2566	++++ 0.2386	0.2359	0.2564	Ave			0.2485			4.2		20.0				
Chrysene	1.1424 1.1835	1.1053 1.1709	1.3241 1.1306	1.2186	1.2408	Ave			1.1895		0.7000	5.9		20.0				
Bis(2-ethylhexyl) phthalate	++++ 0.9029	++++ 0.8996	0.8117 0.8726	0.8577	0.9045	Ave			0.8748		0.0100	4.1		20.0				
6-Methylchrysene	++++ 0.8532	++++ 0.8509	0.8595 0.8579	0.8088	0.8939	Ave			0.8540			3.2		20.0				
Di-n-octyl phthalate	++++ 1.7160	++++ 1.7126	1.3580 1.7041	1.5594	1.6599	Ave			1.6184		0.0100	8.7		20.0				
Benzo[b]fluoranthene	1.0549 1.3668	1.0742 1.3659	1.3006 1.3971	1.3011	1.3593	Ave			1.2775		0.7000	10.6		20.0				
7,12-Dimethylbenz(a)anthracene	++++ 0.6298	0.4054 0.6416	0.5919 0.6547	0.5985	0.6153	Ave			0.5910			14.4		20.0				
Benzo[k]fluoranthene	1.1517 1.2933	1.1236 1.2993	1.4130 1.2956	1.3318	1.3309	Ave			1.2799		0.7000	7.5		20.0				
Benzo[a]pyrene	0.9036 1.2475	1.0009 1.2537	1.2161 1.2754	1.2081	1.2391	Ave			1.1681		0.7000	11.8		20.0				
3-Methylcholanthrene	++++ 0.6202	0.3699 0.6194	0.5521 0.6417	0.5641	0.6029	Ave			0.5672			16.3		20.0				
Dibenz[a,h]acridine	++++ 0.8251	++++ 0.8203	0.7385 0.8201	0.7439	0.8112	Ave			0.7932			5.1		20.0				
Dibenz[a,j]acridine	++++ 0.8838	++++ 0.8763	0.7906 0.8444	0.8414	0.8943	Ave			0.8551			4.5		20.0				
Indeno[1,2,3-cd]pyrene	0.6330 0.9730	0.6044 0.9647	0.9315 0.9242	0.9226	0.9430	Ave			0.8620		0.5000	17.6		20.0				
Dibenz(a,h)anthracene	0.6487 1.0242	0.7028 1.0150	0.9686 0.9658	0.9909	1.0348	Ave			0.9189		0.4000	16.6		20.0				
Benzo[g,h,i]perylene	0.8499 0.9816	0.7318 0.9747	1.0316 0.8723	1.0183	1.0271	Ave			0.9359		0.5000	11.5		20.0				
2-Fluorophenol (Surr)	++++ 1.7181	++++ 1.7459	1.8129 1.7473	1.6526	1.7673	Ave			1.7407			3.1		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	RRF								CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	B	M1	M2												
Phenol-d5 (Surr)	+++++ 2.3305	+++++ 2.3282	2.5084 2.3033	2.3392	2.4299	Ave		2.3732						3.3		20.0				
Nitrobenzene-d5 (Surr)	+++++ 0.4943	+++++ 0.4866	0.5388 0.4666	0.5204	0.5008	Ave		0.5013						5.1		20.0				
2-Fluorobiphenyl (Surr)	+++++ 1.4417	+++++ 1.4357	1.6775 1.3265	1.6038	1.5061	Ave		1.4985						8.4		20.0				
2,4,6-Tribromophenol (Surr)	+++++ 0.1675	+++++ 0.1659	0.1784 0.1657	0.1642	0.1737	Ave		0.1692						3.3		20.0				
p-Terphenyl-d14 (Surr)	+++++ 0.8056	+++++ 0.7776	0.9253 0.7244	0.8620	0.8522	Ave		0.8245						8.6		20.0				

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.:

Analy Batch No.: 20279

Instrument ID: HP19760

GC Column: DB-5MS 30m ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2020 08:17

Calibration End Date: 07/08/2020 11:48

Calibration ID: 6653

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-20279/3	DG0352.D
Level 2	IC 410-20279/9	DG0358.D
Level 3	IC 410-20279/8	DG0357.D
Level 4	IC 410-20279/7	DG0356.D
Level 5	ICIS 410-20279/2	DG0351.D
Level 6	IC 410-20279/6	DG0355.D
Level 7	IC 410-20279/5	DG0354.D
Level 8	IC 410-20279/4	DG0353.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	++++ 565805	++++ 683178	48854 1178019	127856	306696	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd 4	Ave	++++ 910825	++++ 1072887	82117 1848535	206584	483180	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd 4	Ave	++++ 1497877	++++ 1845945	143146 3076450	353537	806276	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd 4	Ave	++++ 1602830	++++ 1924080	142215 3205171	363022	835727	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd 4	Ave	++++ 685472	++++ 807610	60110 1337692	153371	350000	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd 4	Ave	++++ 720307	++++ 848864	66441 1389358	175033	375520	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd 4	Ave	++++ 660515	9272 772217	58746 1272057	151487	332073	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd 4	Ave	++++ 666750	9542 777624	61890 1274803	158823	341786	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd 4	Ave	++++ 1096572	++++ 1147647	78744 1726660	245672	574377	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd 4	Ave	++++ 1896150	28193 2232033	181485 3587729	423298	1015881	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd 4	Ave	++++ 2253849	33429 2665085	209599 4231695	539074	1193088	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd 4	Ave	++++ 1424596	21922 1674518	136179 2646453	342360	766351	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd 4	Ave	++++ 1153587	16725 1358309	109254 2171860	277697	598679	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1208374	18814 1426370	115592 2246257	296317	620555	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dichlorobenzene	DCBd 4	Ave	++++ 1230512	19418 1442940	119507 2267819	300741	626398	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

FORM VI

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.:

Analy Batch No.: 20279

Instrument ID: HP19760

GC Column: DB-5MS 30m ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2020 08:17

Calibration End Date: 07/08/2020 11:48

Calibration ID: 6653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzyl alcohol	DCBd 4	Ave	++++ 838025	++++ 973026	69678 1594172	189668	429646	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 1152520	17819 1353829	112103 2135330	288867	594263	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indene	DCBd 4	Ave	++++ 1827289	++++ 2143244	156768 3413723	440026	976718	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd 4	Ave	++++ 1183853	15977 1385137	111475 2210487	281495	631249	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	++++ 1520673	22895 1790645	146233 2779704	408166	824662	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd 4	Ave	++++ 691463	9017 799754	61614 1300168	156873	365255	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd 4	Ave	++++ 1809204	26391 2012258	137477 3372751	411045	945085	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd 4	Ave	++++ 1253394	17713 1440112	119292 2447510	298752	665907	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd 4	Ave	++++ 1015448	14012 1174808	96002 1882884	240450	559559	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd 4	Ave	++++ 820624	++++ 944348	80624 1483744	209137	453304	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd 4	Ave	++++ 2005134	30615 2323775	192423 3637721	481087	1066591	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd 4	Ave	++++ 540037	++++ 625287	53814 990958	134953	278950	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	++++ 1472578	22820 1722479	143282 2723784	367955	802002	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	++++ 615769	8335 716891	57622 1150088	145018	325910	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	++++ 2707755	39547 3117342	264768 4957102	645314	1467973	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	++++ 622524	++++ 731847	53311 1176158	144146	329048	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	++++ 1276936	18182 1474888	122902 2363574	300223	686394	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	++++ 560559	++++ 639005	53133 1021485	136318	289599	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Benzoic acid	NPT	Ave	++++ 933434	++++ 1069105	204364 1750148	381960	678198	++++ 12.5	++++ 20.0	3.75 30.0	7.50	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	++++ 1650053	26638 1915772	166631 2993208	395395	930400	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	++++ 934359	13438 1060792	88831 1699802	224411	499647	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trichlorobenzene	NPT	Ave	++++ 970888	15281 1131382	93974 1793286	242528	515304	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	35916 3239778	53558 3750919	324107 5801439	799841	1754799	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	++++ 1358375	20972 1540607	131880 2454752	324031	730379	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	++++ 868440	12583 1014150	86157 1590478	211772	473124	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	++++ 603085	++++ 704903	54675 1118393	144554	314306	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	++++ 525276	7454 605732	50461 956333	128421	279735	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	++++ 2133957	++++ 2460750	213284 3875898	505038	1152767	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	++++ 407454	++++ 443626	28166 775311	85288	203915	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	++++ 1166636	++++ 1336167	87572 2184754	213234	505549	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	++++ 1086821	14589 1263812	103682 2016374	250996	612718	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safole, Total	NPT	Ave	++++ 835042	++++ 973292	78436 1538258	199426	456257	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	22400 2139080	32268 2464401	210528 3847851	519626	1168738	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	21335 1997843	30093 2326485	200741 3634088	488543	1110447	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	++++ 573500	++++ 677820	49339 1089247	135371	310886	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	++++ 890964	13863 1037677	92192 1634937	222538	495634	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	++++ 149331	++++ 173663	13714 276206	35077	79493	++++ 2.00	++++ 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	++++ 646820	8337 741681	59546 1186347	146390	354413	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	++++ 671379	9092 770157	66163 1231839	154911	379412	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	++++ 834347	++++ 965016	79326 1524399	201708	455636	++++ 10.5	++++ 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	++++ 2573998	58473 2797350	226608 4437266	622225	1427786	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	++++ 1991904	28700 2289260	213631 3590847	493945	1086127	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.:

Analy Batch No.: 20279

Instrument ID: HP19760

GC Column: DB-5MS 30m ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2020 08:17

Calibration End Date: 07/08/2020 11:48

Calibration ID: 6653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Chloronaphthalene	ANT	Ave	++++ 1807232	29897 2068811	181468 3162868	445169	1067799	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Lin1	++++ 1327617	45344 1518018	161304 2350426	348280	763449	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	++++ 694113	8553 792137	64751 1280603	160673	379098	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	++++ 852545	969963	73645 1577493	199485	465510	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	++++ 360151	419258	30550 686004	78319	193000	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	++++ 2171812	2491839	223139 3981131	533789	1239453	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	++++ 395097	458813	35509 745326	92321	216358	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	++++ 534096	615032	50961 1001188	128225	292125	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	29887 2795685	40037 3228909	284793 4989192	688090	1605077	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	++++ 593751	7546 690006	53935 1118636	134397	326925	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	22629 2004659	31551 2278105	207636 3573133	496790	1153716	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	++++ 375419	439336	++++ 739997	150748	258175	++++ 12.5	++++ 20.0	++++ 30.0	7.50	10.0
4-Nitrophenol	ANT	Ave	++++ 426538	491564	798475	85394	209300	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Pentachlorobenzene	ANT	Ave	++++ 721614	12399 822606	76952 1298714	178870	412515	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	++++ 722334	822727	65999 1325924	161917	398428	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	++++ 2586550	44927 2930300	280025 4518891	664225	1512516	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	++++ 2048137	2365396	3781026	475173	1131661	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	++++ 516025	592236	47574 963157	120931	288298	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	++++ 2001333	2305363	++++ 3653334	461408	1109015	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	++++ 2156385	2488407	205210 4038208	505790	1243548	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	23083 2107675	33120 2364429	220978 3730385	533377	1234560	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

FORM VI

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.:

Analy Batch No.: 20279

Instrument ID: HP19760

GC Column: DB-5MS 30m ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2020 08:17

Calibration End Date: 07/08/2020 11:48

Calibration ID: 6653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Thionazin	ANT	Ave	++++ 479224	++++ 552142	43903 876283	108634	267881	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	++++ 634219	8720 727734	59449 1160759	151255	362682	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	++++ 1012320	16957 1154447	110765 1798428	255303	596073	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	++++ 617017	8042 708673	62979 1158457	152538	362451	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	++++ 474773	++++ 549587	++++ 916742	96397	261810	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
N-Nitrosodiphenylamine	PHN	Ave	++++ 1836893	25812 2093732	183613 3329979	442122	1046271	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Diphenylhydrazine	PHN	Ave	++++ 2838130	41529 3203245	285325 5080201	678667	1632594	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	++++ 464546	++++ 532512	41033 871688	108336	263293	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	++++ 947201	++++ 1083075	90033 1745949	208857	535805	++++ 9.25	++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	++++ 1746195	21237 2000083	159793 3228150	390878	1003743	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	++++ 1324209	++++ 1516061	115141 2497354	296524	736999	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	++++ 558743	8422 642698	56628 1022191	131004	322346	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	++++ 330736	++++ 380870	30350 619087	76434	186291	++++ 3.25	++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	6384 555152	9131 627622	55704 1002483	132248	321811	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	++++ 1240311	++++ 1418733	106751 2302222	277293	708022	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	++++ 607347	++++ 663395	48572 1035128	150479	355596	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	++++ 448777	++++ 512613	37987 817251	99673	257826	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	++++ 2042463	26896 2320586	198085 3475452	502715	1203330	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	++++ 267383	++++ 303584	24845 496279	62593	153572	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	++++ 1022187	++++ 1184907	90316 1877248	235613	582587	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	++++ 643099	++++ 732012	43998 1212605	123172	338557	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50

GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

FORM VI

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.:

Analy Batch No.: 20279

Instrument ID: HP19760

GC Column: DB-5MS 30m ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2020 08:17

Calibration End Date: 07/08/2020 11:48

Calibration ID: 6653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Phenanthrene	PHN	Ave	36469 3174955	52726 3638139	329675 5588751	774478	1857715	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	32141 3317032	48233 3746139	333603 5791980	797751	1915941	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	++++ 3058514	41333 3452161	299058 5454171	719295	1770771	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	++++ 973496	++++ 1100412	74837 1793357	207708	538649	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	++++ 3868157	++++ 4398941	358286 6767583	894274	2288556	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	++++ 571208	++++ 661052	39960 1107135	118638	313293	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	++++ 405973	++++ 476255	++++ 825758	59818	198566	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	++++ 229459	++++ 270752	21081 442264	51554	131685	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	++++ 398154	5416 451835	38201 742960	92485	229181	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	37950 3750468	52304 4300749	358961 6772945	873851	2212861	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR1 0	Ave	++++ 6900609	++++ 7810398	++++ 11899937	1671655	4223058	++++ 37.5	++++ 60.0	++++ 90.0	11.3	22.5
Pyrene	PYR1 0	Ave	45455 3799298	64577 4280499	388856 6759104	910029	2261931	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR1 0	Ave	++++ 724526	++++ 846307	56826 1389823	154658	423406	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR1 0	Ave	++++ 1198198	++++ 1387127	103646 2182425	267743	679884	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR1 0	Ave	++++ 2590766	++++ 2978973	197721 4787113	525244	1501418	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR1 0	Ave	++++ 1795524	++++ 2071603	158179 3378839	398791	1056141	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR1 0	Ave	++++ 1558658	++++ 1809853	93891 3060157	287960	845301	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR1 0	Ave	++++ 1334860	++++ 1574026	110969 2412471	280332	772375	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR1 0	Ave	29430 3402221	43738 3896564	316666 5941482	764215	2014049	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR1 0	Ave	++++ 714333	++++ 834699	++++ 1290192	151814	420524	++++ 12.5	++++ 20.0	++++ 30.0	3.75	7.50
Chrysene	PYR1 0	Ave	36439 3313338	51853 3808557	341642 6114245	784362	2035265	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1 Analy Batch No.: 20279
SDG No.: _____

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2020 08:17 Calibration End Date: 07/08/2020 11:48 Calibration ID: 6653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Bis(2-ethylhexyl) phthalate	PYR1 0	Ave	++++ 2527671	++++ 2926332	209451 4718883	552053	1483625	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR1 0	Ave	++++ 2388675	++++ 2767685	221786 4639334	520599	1466170	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	++++ 4319153	++++ 5001988	325236 8094231	888040	2492132	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	30108 3440151	44631 3989214	311501 6635665	740934	2040856	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz (a)anthracene	PRY	Ave	++++ 1585230	16841 1873859	141756 3109427	340837	923821	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	32871 3255234	46682 3794784	338411 6153630	758420	1998166	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	25791 3139840	41585 3661582	291263 6057687	687998	1860309	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	++++ 1561089	15369 1809061	132234 3047749	321268	905185	++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	++++ 2076690	++++ 2395910	176873 3895142	423627	1217867	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	++++ 2224377	++++ 2559246	189341 4010834	479138	1342728	++++ 12.5	++++ 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	18066 2448860	25110 2817578	223098 4389645	525429	1415801	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	18516 2577780	29199 2964414	231984 4587236	564323	1553541	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	24258 2470516	30405 2846891	247065 4143116	579928	1541986	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd 4	Ave	++++ 2538629	++++ 3012433	233318 4866894	591852	1322728	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd 4	Ave	++++ 3443419	++++ 4017188	322824 6415599	837752	1818586	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	++++ 2876443	++++ 3321543	276105 5246307	710247	1535922	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	++++ 4220294	++++ 4845139	452647 7195174	1099719	2423738	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	++++ 490231	++++ 559950	48145 898912	112608	279508	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR1 0	Ave	++++ 4510620	++++ 5058783	477523 7834569	1109642	2795538	++++ 25.0	++++ 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0351.D
 Lims ID: ICIS L5
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 08-Jul-2020 08:17:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ICIS L5
 Misc. Info.: 410
 Operator ID: enm10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:08:50 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 08:47:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.588	2.588	0.000	95	306696	7.50	7.85	
2 N-Nitrosodimethylamine	74	3.130	3.130	0.000	88	483180	7.50	7.72	
3 Pyridine	79	3.165	3.165	0.000	98	806276	7.50	7.62	
4 2-Picoline	93	4.319	4.319	0.000	90	835727	7.50	7.63	
5 N-Nitrosomethylethylamine	88	4.506	4.506	0.000	85	350000	7.50	7.58	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	84	375520	7.50	7.56	
\$ 8 2-Fluorophenol	112	5.182	5.182	0.000	94	1322728	15.0	15.2	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	92	332073	7.50	7.60	
10 Ethyl methanesulfonate	109	5.957	5.957	0.000	97	341786	7.50	7.63	
12 Benzaldehyde	77	6.417	6.417	0.000	96	574377	7.50	8.44	
\$ 13 Phenol-d5	99	6.528	6.528	0.000	98	1818586	15.0	15.4	
14 Phenol	94	6.546	6.546	0.000	92	1015881	7.50	7.92	
15 Aniline	93	6.575	6.575	0.000	96	1193088	7.50	7.80	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	97	766351	7.50	7.85	
17 2-Chlorophenol	128	6.744	6.744	0.000	93	598679	7.50	7.67	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	94	620555	7.50	7.51	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	249476	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	91	626398	7.50	7.44	
21 Benzyl alcohol	108	7.268	7.268	0.000	90	429646	7.50	7.71	
22 1,2-Dichlorobenzene	146	7.303	7.303	0.000	94	594263	7.50	7.51	
24 Indene	115	7.437	7.437	0.000	88	976718	7.50	7.88	
23 2-Methylphenol	108	7.443	7.443	0.000	95	631249	7.50	7.96	
25 2,2'-oxybis[1-chloropropane]	45	7.490	7.490	0.000	96	824662	7.50	7.81	
26 N-Nitrosopyrrolidine	100	7.630	7.630	0.000	93	365255	7.50	8.05	
27 Acetophenone	105	7.665	7.665	0.000	93	945085	7.50	8.09	
28 4-Methylphenol	108	7.676	7.676	0.000	95	665907	7.50	7.84	
29 N-Nitrosodi-n-propylamine	70	7.682	7.682	0.000	79	559559	7.50	8.18	
30 N-Nitrosomorpholine	56	7.694	7.694	0.000	91	453304	7.50	7.90	
31 2-Toluidine	106	7.717	7.717	0.000	94	1066591	7.50	7.82	
32 Hexachloroethane	117	7.811	7.811	0.000	96	278950	7.50	7.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.886	7.886	0.000	88	1535922	15.0	15.0	
34 Nitrobenzene	77	7.915	7.915	0.000	85	802002	7.50	7.62	
35 N-Nitrosopiperidine	114	8.143	8.143	0.000	89	325910	7.50	7.67	
36 Isophorone	82	8.294	8.294	0.000	97	1467973	7.50	7.72	
37 2-Nitrophenol	139	8.405	8.405	0.000	91	329048	7.50	7.59	
38 2,4-Dimethylphenol	107	8.492	8.492	0.000	97	686394	7.50	7.71	
39 o,o',o"-Triethylphosphorothioat	198	8.621	8.621	0.000	90	289599	7.50	7.34	
40 Benzoic acid	105	8.644	8.644	0.000	87	678198	10.0	10.9	
41 Bis(2-chloroethoxy)methane	93	8.656	8.656	0.000	98	930400	7.50	7.83	
42 2,4-Dichlorophenol	162	8.778	8.778	0.000	97	499647	7.50	7.70	
43 1,2,4-Trichlorobenzene	180	8.912	8.912	0.000	93	515304	7.50	7.45	
* 44 Naphthalene-d8	136	8.994	8.994	0.000	99	1022316	5.00	5.00	
45 Naphthalene	128	9.029	9.029	0.000	98	1754799	7.50	7.54	
46 4-Chloroaniline	127	9.122	9.122	0.000	93	730379	7.50	7.65	
47 2,6-Dichlorophenol	162	9.134	9.134	0.000	93	473124	7.50	7.70	
48 Hexachloropropene	213	9.174	9.174	0.000	89	314306	7.50	7.42	
49 Hexachlorobutadiene	225	9.244	9.244	0.000	97	279735	7.50	7.63	
50 Quinoline	129	9.553	9.553	0.000	95	1152767	7.50	7.57	
S 51 Diallate	86				0		7.50	7.48	
52 Caprolactam	113	9.658	9.658	0.000	81	203915	7.50	7.71	
53 N-Nitrosodi-n-butylamine	84	9.693	9.693	0.000	92	505549	7.50	6.85	
54 4-Chloro-3-methylphenol	107	9.909	9.909	0.000	93	612718	7.50	8.11	
55 Safrole, Total	162	10.014	10.014	0.000	86	456257	7.50	7.69	
56 2-Methylnaphthalene	142	10.130	10.130	0.000	92	1168738	7.50	7.77	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	94	1110447	7.50	7.82	
58 Hexachlorocyclopentadiene	237	10.393	10.393	0.000	97	310886	7.50	7.42	
59 1,2,4,5-Tetrachlorobenzene	216	10.398	10.398	0.000	98	495634	7.50	7.41	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	87	79493	1.20	1.17	
61 2,4,6-Trichlorophenol	196	10.585	10.585	0.000	94	354413	7.50	7.75	
62 2,4,5-Trichlorophenol	196	10.637	10.637	0.000	92	379412	7.50	7.81	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.736	10.736	0.000	99	2423738	15.0	15.1	
64 Isosafrole Peak 2	162	10.847	10.847	0.000	88	455636	6.30	6.21	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	96	1427786	7.50	7.27	
66 2-Chloronaphthalene	162	10.906	10.906	0.000	98	1086127	7.50	7.35	
67 1-Chloronaphthalene	162	10.935	10.935	0.000	97	1067799	7.50	7.85	
68 Phenyl ether	170	11.069	11.069	0.000	85	763449	7.50	7.76	
69 2-Nitroaniline	138	11.075	11.075	0.000	77	379098	7.50	7.73	
70 1,4-Naphthoquinone	158	11.191	11.191	0.000	83	465510	7.50	7.56	
71 1,4-Dinitrobenzene	168	11.314	11.314	0.000	87	193000	7.50	7.48	
72 Dimethyl phthalate	163	11.413	11.413	0.000	96	1239453	7.50	7.55	
73 1,3-Dinitrobenzene	168	11.424	11.424	0.000	85	216358	7.50	7.48	
74 2,6-Dinitrotoluene	165	11.483	11.483	0.000	90	292125	7.50	7.62	
75 Acenaphthylene	152	11.558	11.558	0.000	99	1605077	7.50	7.78	
76 3-Nitroaniline	138	11.716	11.716	0.000	88	326925	7.50	7.77	
* 77 Acenaphthene-d10	164	11.768	11.768	0.000	97	536439	5.00	5.00	
78 Acenaphthene	153	11.815	11.815	0.000	96	1153716	7.50	7.66	
79 2,4-Dinitrophenol	184	11.867	11.867	0.000	84	258175	10.0	9.62	
80 4-Nitrophenol	109	11.966	11.966	0.000	84	209300	7.50	7.04	
81 Pentachlorobenzene	250	11.995	11.995	0.000	97	412515	7.50	7.49	
83 Dibenzofuran	168	12.054	12.054	0.000	95	1512516	7.50	7.61	
82 2,4-Dinitrotoluene	165	12.054	12.054	0.000	66	398428	7.50	7.61	
84 1-Naphthylamine	143	12.153	12.153	0.000	98	1131661	7.50	7.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.217	12.217	0.000	77	288298	7.50	7.60	
86 2-Naphthylamine	143	12.258	12.258	0.000	95	1109015	7.50	7.60	
87 Diethyl phthalate	149	12.398	12.398	0.000	97	1243548	7.50	7.75	
88 Thionazin	107	12.485	12.485	0.000	79	267881	7.50	7.67	
89 Fluorene	166	12.485	12.485	0.000	94	1234560	7.50	7.79	
91 4-Chlorophenyl phenyl ether	204	12.508	12.508	0.000	86	596073	7.50	7.67	
90 N-Nitro-o-toluidine	152	12.508	12.508	0.000	71	362682	7.50	7.90	
92 4-Nitroaniline	138	12.514	12.514	0.000	80	362451	7.50	7.95	
93 4,6-Dinitro-2-methylphenol	198	12.555	12.555	0.000	82	261810	7.50	7.46	
94 N-Nitrosodiphenylamine	169	12.648	12.648	0.000	62	1046271	7.50	7.55	
95 1,2-Diphenylhydrazine	77	12.695	12.695	0.000	98	1632594	7.50	7.60	
\$ 96 2,4,6-Tribromophenol	330	12.777	12.777	0.000	83	279508	15.0	15.4	
97 Sulfotepp	97	12.876	12.876	0.000	80	263293	7.50	7.51	
98 cis-Diallate	86	13.021	13.021	0.000	83	535805	5.55	5.55	
99 Phorate	75	13.027	13.027	0.000	96	1003743	7.50	7.90	
100 Phenacetin	108	13.045	13.045	0.000	92	736999	7.50	7.46	
101 4-Bromophenyl phenyl ether	248	13.103	13.103	0.000	71	322346	7.50	7.56	
102 trans-Diallate	86	13.126	13.126	0.000	98	186291	1.95	1.93	
103 Hexachlorobenzene	284	13.155	13.155	0.000	91	321811	7.50	7.49	
104 Dimethoate	87	13.225	13.225	0.000	97	708022	7.50	7.65	
105 Atrazine	200	13.324	13.324	0.000	91	355596	7.50	7.93	
106 Pentachlorophenol	266	13.412	13.412	0.000	90	257826	7.50	7.75	
108 4-Aminobiphenyl	169	13.423	13.423	0.000	91	1203330	7.50	7.91	
107 Pentachloronitrobenzene	237	13.429	13.429	0.000	82	153572	7.50	7.54	
109 Pronamide	173	13.523	13.523	0.000	91	582587	7.50	7.57	
* 110 Phenanthrene-d10	188	13.651	13.651	0.000	97	1044427	5.00	5.00	
111 Dinoseb	211	13.662	13.662	0.000	95	338557	7.50	7.58	
112 Phenanthrene	178	13.680	13.680	0.000	98	1857715	7.50	7.50	
113 Anthracene	178	13.750	13.750	0.000	99	1915941	7.50	7.76	
114 Carbazole	167	13.966	13.966	0.000	96	1770771	7.50	7.77	
115 Methyl parathion	109	14.170	14.170	0.000	91	538649	7.50	7.67	
116 Di-n-butyl phthalate	149	14.478	14.478	0.000	100	2288556	7.50	7.82	
117 Ethyl Parathion	109	14.723	14.723	0.000	84	313293	7.50	7.66	
118 4-Nitroquinoline-1-oxide	190	14.735	14.735	0.000	92	198566	7.50	7.03	
119 Octachlorostyrene	308	15.079	15.079	0.000	90	131685	7.50	7.51	
120 Isodrin	193	15.131	15.131	0.000	91	229181	7.50	7.71	
121 Fluoranthene	202	15.347	15.347	0.000	99	2212861	7.50	7.94	
122 Benzidine	184	15.580	15.580	0.000	99	4223058	22.5	23.7	
* 123 Pyrene-d10 (IS)	212	15.668	15.668	0.000	99	1093492	5.00	5.00	
124 Pyrene	202	15.697	15.697	0.000	96	2261931	7.50	7.51	
\$ 125 p-Terphenyl-d14	244	15.982	15.982	0.000	99	2795538	15.0	15.5	
126 p-Dimethylamino azobenzene	225	16.215	16.215	0.000	93	423406	7.50	7.77	
127 Chlorobenzilate	139	16.303	16.303	0.000	87	679884	7.50	7.49	
128 3,3'-Dimethylbenzidine	212	16.775	16.775	0.000	99	1501418	7.50	7.88	
129 Butyl benzyl phthalate	149	16.839	16.839	0.000	95	1056141	7.50	7.67	
130 2-Acetylaminofluorene	181	17.200	17.200	0.000	95	845301	7.50	7.72	
131 3,3'-Dichlorobenzidine	252	17.713	17.713	0.000	76	772375	7.50	7.72	
132 Benzo[a]anthracene	228	17.725	17.725	0.000	99	2014049	7.50	8.18	
133 4,4'-Methylene bis(2-chloroani	231	17.731	17.731	0.000	94	420524	7.50	7.74	
134 Chrysene	228	17.789	17.789	0.000	97	2035265	7.50	7.82	
135 Bis(2-ethylhexyl) phthalate	149	17.912	17.912	0.000	98	1483625	7.50	7.75	
136 6-Methylchrysene	242	18.593	18.593	0.000	99	1466170	7.50	7.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.083	19.083	0.000	99	2492132	7.50	7.69	
138 Benzo[b]fluoranthene	252	19.584	19.584	0.000	98	2040856	7.50	7.98	
139 7,12-Dimethylbenz(a)anthracene	256	19.590	19.590	0.000	92	923821	7.50	7.81	
140 Benzo[k]fluoranthene	252	19.637	19.637	0.000	99	1998166	7.50	7.80	
141 Benzo[a]pyrene	252	20.115	20.115	0.000	79	1860309	7.50	7.96	
* 142 Perylene-d12	264	20.202	20.202	0.000	97	1000899	5.00	5.00	
143 3-Methylcholanthrene	268	20.692	20.692	0.000	92	905185	7.50	7.97	
144 Dibenz[a,h]acridine	279	21.502	21.502	0.000	92	1217867	7.50	7.67	
145 Dibenz[a,j]acridine	279	21.572	21.572	0.000	95	1342728	7.50	7.84	
146 Indeno[1,2,3-cd]pyrene	276	21.828	21.828	0.000	98	1415801	7.50	8.20	
147 Dibenz(a,h)anthracene	278	21.869	21.869	0.000	94	1553541	7.50	8.45	
148 Benzo[g,h,i]perylene	276	22.236	22.236	0.000	95	1541986	7.50	8.23	
S 152 Dinitrotoluene	165				0		15.0	15.2	
S 170 Isosafrole	162				0		7.50	7.38	

Reagents:

MSS_RV8270_5_00005

Amount Added: 1.00

Units: mL

Data File:

\\chromfms\\Lancaster\\ChromData\\HP19760\\20200708-5043.b\\DG0351.D

Injection Date:

08-Jul-2020 08:17:30

08-Jul-2

Instrument ID:

HP19760

Operator ID:

enm10340

Lims ID:

CIS L5

ICIS L5

Worklist Smp#:

2

Injection V

1011

Dil Factor:

1,000

Al S Bottle#

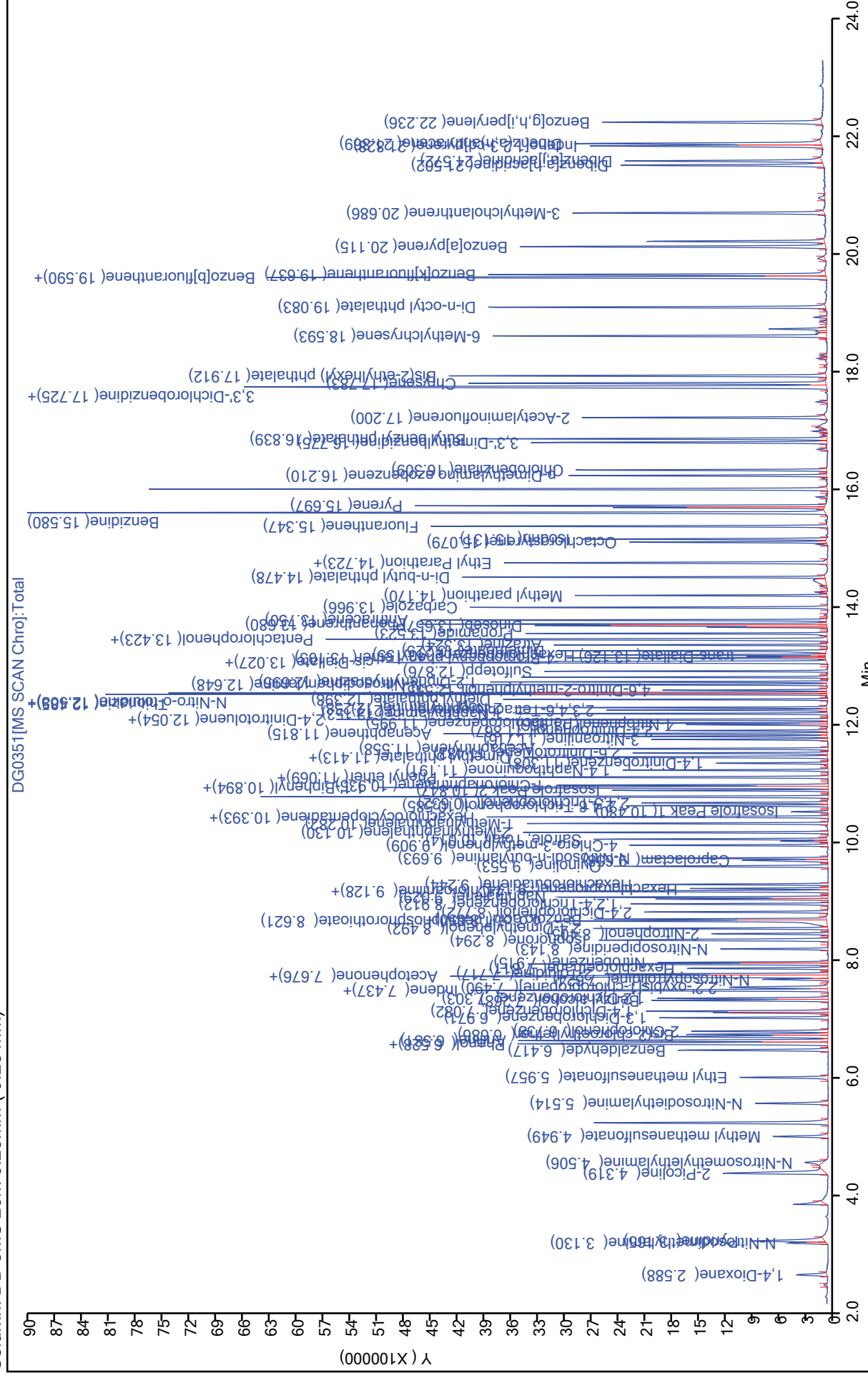
2

Method: M.S.Semi HP19760

Limit Group:

MSSV - 8270D F I VI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0352.D
 Lims ID: IC L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 08-Jul-2020 08:57:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: IC L1
 Misc. Info.: 410-0005043-003
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:09:00 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 10:50:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.606	2.588	0.018	92	5601	0.1250	0.1123	
2 N-Nitrosodimethylamine	74	3.177	3.130	0.047	87	8100	0.1250	0.1013	
3 Pyridine	79	3.212	3.165	0.047	98	19312	0.1250	0.1428	
4 2-Picoline	93	4.343	4.319	0.024	47	17115	0.1250	0.1223	a
5 N-Nitrosomethylethylamine	88	4.523	4.506	0.017	68	6578	0.1250	0.1116	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	83	7845	0.1250	0.1237	
\$ 8 2-Fluorophenol	112	5.176	5.182	-0.006	92	25845	0.2500	0.2329	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	91	6012	0.1250	0.1077	
10 Ethyl methanesulfonate	109	5.945	5.957	-0.012	98	6354	0.1250	0.1110	
12 Benzaldehyde	77	6.418	6.417	0.001	94	12568	0.1250	0.1445	
\$ 13 Phenol-d5	99	6.517	6.528	-0.011	97	36487	0.2500	0.2412	
14 Phenol	94	6.534	6.546	-0.012	92	19848	0.1250	0.1211	
15 Aniline	93	6.575	6.575	0.000	94	24548	0.1250	0.1257	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	97	16219	0.1250	0.1301	
17 2-Chlorophenol	128	6.738	6.744	-0.006	91	11286	0.1250	0.1132	
18 1,3-Dichlorobenzene	146	6.965	6.971	-0.006	91	12353	0.1250	0.1170	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	318730	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	92	13333	0.1250	0.1239	
21 Benzyl alcohol	108	7.263	7.268	-0.005	90	7976	0.1250	0.1121	
22 1,2-Dichlorobenzene	146	7.303	7.303	0.000	95	12750	0.1250	0.1261	
24 Indene	115	7.438	7.437	0.001	87	19790	0.1250	0.1249	
23 2-Methylphenol	108	7.432	7.443	-0.011	74	11904	0.1250	0.1174	
25 2,2'-oxybis[1-chloropropane]	45	7.490	7.490	0.000	93	16556	0.1250	0.1227	
26 N-Nitrosopyrrolidine	100	7.612	7.630	-0.018	94	6305	0.1250	0.1088	
27 Acetophenone	105	7.653	7.665	-0.012	88	19042	0.1250	0.1276	
28 4-Methylphenol	108	7.665	7.676	-0.011	95	12887	0.1250	0.1188	
29 N-Nitrosodi-n-propylamine	70	7.671	7.682	-0.011	76	9589	0.1250	0.1097	
30 N-Nitrosomorpholine	56	7.682	7.694	-0.012	91	8848	0.1250	0.1206	
31 2-Toluidine	106	7.706	7.717	-0.011	93	21036	0.1250	0.1208	
32 Hexachloroethane	117	7.811	7.811	0.000	94	5494	0.1250	0.1148	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	88	29118	0.2500	0.2309	
34 Nitrobenzene	77	7.910	7.915	-0.005	86	14835	0.1250	0.1145	
35 N-Nitrosopiperidine	114	8.137	8.143	-0.006	87	5677	0.1250	0.1086	
36 Isophorone	82	8.283	8.294	-0.011	96	26842	0.1250	0.1148	
37 2-Nitrophenol	139	8.399	8.405	-0.006	87	4770	0.1250	0.0895	
38 2,4-Dimethylphenol	107	8.487	8.492	-0.005	96	13661	0.1250	0.1247	
39 o,o',o"-Triethylphosphorothioat	198	8.615	8.621	-0.006	89	5826	0.1250	0.1200	
40 Benzoic acid	105	8.551	8.644	-0.093	86	50837	1.25	0.6651	
41 Bis(2-chloroethoxy)methane	93	8.650	8.656	-0.006	98	19247	0.1250	0.1317	
42 2,4-Dichlorophenol	162	8.772	8.778	-0.006	96	8454	0.1250	0.1058	
43 1,2,4-Trichlorobenzene	180	8.906	8.912	-0.006	91	10559	0.1250	0.1240	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	1257974	5.00	5.00	
45 Naphthalene	128	9.023	9.029	-0.006	98	35916	0.1250	0.1253	
46 4-Chloroaniline	127	9.116	9.122	-0.006	93	14581	0.1250	0.1241	
47 2,6-Dichlorophenol	162	9.128	9.134	-0.006	92	8602	0.1250	0.1138	
48 Hexachloropropene	213	9.174	9.174	0.000	89	5431	0.1250	0.1042	
49 Hexachlorobutadiene	225	9.244	9.244	0.000	95	5383	0.1250	0.1194	
50 Quinoline	129	9.542	9.553	-0.011	94	22840	0.1250	0.1219	
S 51 Diallate	86				0		0.1250	0.0998	
52 Caprolactam	113	9.600	9.658	-0.058	87	3592	0.1250	0.1104	
53 N-Nitrosodi-n-butylamine	84	9.687	9.693	-0.006	95	7689	0.1250	0.0847	
54 4-Chloro-3-methylphenol	107	9.903	9.909	-0.006	94	10551	0.1250	0.1135	
55 Safrole, Total	162	10.014	10.014	0.000	85	8870	0.1250	0.1214	
56 2-Methylnaphthalene	142	10.125	10.130	-0.005	91	22400	0.1250	0.1210	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	93	21335	0.1250	0.1220	
58 Hexachlorocyclopentadiene	237	10.393	10.393	0.000	75	5444	0.1250	0.1104	
59 1,2,4,5-Tetrachlorobenzene	216	10.393	10.398	-0.005	97	10262	0.1250	0.1303	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	82	1863	0.0200	0.0232	
61 2,4,6-Trichlorophenol	196	10.579	10.585	-0.006	90	6146	0.1250	0.1142	
62 2,4,5-Trichlorophenol	196	10.626	10.637	-0.011	89	6583	0.1250	0.1151	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.736	-0.005	99	50264	0.2500	0.2656	
64 Isosafrole Peak 2	162	10.841	10.847	-0.006	87	8225	0.1050	0.0952	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	96	52143	0.1250	0.2256	
66 2-Chloronaphthalene	162	10.900	10.906	-0.006	95	23579	0.1250	0.1356	
67 1-Chloronaphthalene	162	10.935	10.935	0.000	96	19384	0.1250	0.1211	
68 Phenyl ether	170	11.063	11.069	-0.006	86	47333	0.1250	0.0841	
69 2-Nitroaniline	138	11.069	11.075	-0.006	54	5394	0.1250	0.0934	
70 1,4-Naphthoquinone	158	11.185	11.191	-0.006	81	6740	0.1250	0.0929	
71 1,4-Dinitrobenzene	168	11.308	11.314	-0.006	84	2460	0.1250	0.0810	
72 Dimethyl phthalate	163	11.407	11.413	-0.006	99	24647	0.1250	0.1275	
73 1,3-Dinitrobenzene	168	11.413	11.424	-0.011	54	3028	0.1250	0.0889	
74 2,6-Dinitrotoluene	165	11.477	11.483	-0.006	88	4273	0.1250	0.0946	
75 Acenaphthylene	152	11.553	11.558	-0.005	99	29887	0.1250	0.1231	
76 3-Nitroaniline	138	11.704	11.716	-0.012	88	4890	0.1250	0.0987	
* 77 Acenaphthene-d10	164	11.762	11.768	-0.006	97	631542	5.00	5.00	
78 Acenaphthene	153	11.809	11.815	-0.006	95	22629	0.1250	0.1276	
79 2,4-Dinitrophenol	184	11.861	11.867	-0.006	80	18739	1.13	0.5933	
80 4-Nitrophenol	109	11.955	11.966	-0.011	80	14261	0.6250	0.4072	
81 Pentachlorobenzene	250	11.990	11.995	-0.005	96	8577	0.1250	0.1323	
83 Dibenzofuran	168	12.048	12.054	-0.006	96	29115	0.1250	0.1243	
82 2,4-Dinitrotoluene	165	12.042	12.054	-0.012	84	5642	0.1250	0.0916	
84 1-Naphthylamine	143	12.147	12.153	-0.006	99	19527	0.1250	0.1106	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.211	12.217	-0.006	75	5152	0.1250	0.1153	
86 2-Naphthylamine	143	12.252	12.258	-0.006	94	19804	0.1250	0.1152	
87 Diethyl phthalate	149	12.386	12.398	-0.012	97	22221	0.1250	0.1176	
88 Thionazin	107	12.479	12.485	-0.006	68	4222	0.1250	0.1027	M
89 Fluorene	166	12.479	12.485	-0.006	93	23083	0.1250	0.1237	
91 4-Chlorophenyl phenyl ether	204	12.503	12.508	-0.005	92	12640	0.1250	0.1382	
90 N-Nitro-o-toluidine	152	12.497	12.508	-0.011	84	4996	0.1250	0.0924	M
92 4-Nitroaniline	138	12.497	12.514	-0.017	77	5223	0.1250	0.0974	
93 4,6-Dinitro-2-methylphenol	198	12.543	12.555	-0.012	80	14350	0.6250	0.3535	
94 N-Nitrosodiphenylamine	169	12.643	12.648	-0.005	62	19143	0.1250	0.1195	
95 1,2-Diphenylhydrazine	77	12.689	12.695	-0.006	98	28597	0.1250	0.1151	
\$ 96 2,4,6-Tribromophenol	330	12.771	12.777	-0.006	85	5023	0.2500	0.2350	
97 Sulfotep	97	12.870	12.876	-0.006	73	4073	0.1250	0.1004	
98 cis-Diallate	86	13.016	13.021	-0.005	94	7967	0.0925	0.0713	
99 Phorate	75	13.021	13.027	-0.006	95	13741	0.1250	0.0936	
100 Phenacetin	108	13.027	13.045	-0.018	86	9293	0.1250	0.0814	
101 4-Bromophenyl phenyl ether	248	13.103	13.103	0.000	70	5907	0.1250	0.1198	
102 trans-Diallate	86	13.120	13.126	-0.006	95	3173	0.0325	0.0285	
103 Hexachlorobenzene	284	13.155	13.155	0.000	91	6384	0.1250	0.1286	
104 Dimethoate	87	13.214	13.225	-0.011	94	9044	0.1250	0.0846	
105 Atrazine	200	13.319	13.324	-0.005	90	5904	0.1250	0.1139	
106 Pentachlorophenol	266	13.406	13.412	-0.006	85	3958	0.1250	0.1029	
108 4-Aminobiphenyl	169	13.418	13.423	-0.005	85	19096	0.1250	0.1086	
107 Pentachloronitrobenzene	237	13.418	13.429	-0.011	54	2255	0.1250	0.0958	
109 Pronamide	173	13.511	13.523	-0.012	88	7119	0.1250	0.0800	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	1207330	5.00	5.00	
111 Dinoseb	211	13.657	13.662	-0.005	60	3512	0.1250	0.0680	
112 Phenanthrene	178	13.674	13.680	-0.006	97	36469	0.1250	0.1273	
113 Anthracene	178	13.744	13.750	-0.006	98	32141	0.1250	0.1126	
114 Carbazole	167	13.960	13.966	-0.006	95	30622	0.1250	0.1163	
115 Methyl parathion	109	14.164	14.170	-0.006	90	5293	0.1250	0.0652	
116 Di-n-butyl phthalate	149	14.479	14.478	0.001	100	32813	0.1250	0.0970	
117 Ethyl Parathion	109	14.718	14.723	-0.005	78	3168	0.1250	0.0670	
118 4-Nitroquinoline-1-oxide	190	14.723	14.735	-0.012	70	1335	0.1250	0.0409	
119 Octachlorostyrene	308	15.073	15.079	-0.006	84	2589	0.1250	0.1278	
120 Isodrin	193	15.131	15.131	0.000	86	4159	0.1250	0.1211	
121 Fluoranthene	202	15.341	15.347	-0.006	98	37950	0.1250	0.1178	
122 Benzidine	184	15.568	15.580	-0.012	100	150658	1.00	0.7237	
* 123 Pyrene-d10 (IS)	212	15.662	15.668	-0.006	99	1275847	5.00	5.00	
124 Pyrene	202	15.691	15.697	-0.006	97	45455	0.1250	0.1293	
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.006	99	50466	0.2500	0.2399	
126 p-Dimethylamino azobenzene	225	16.210	16.215	-0.005	91	4628	0.1250	0.0728	
127 Chlorobenzilate	139	16.303	16.303	0.000	90	9018	0.1250	0.0852	
128 3,3'-Dimethylbenzidine	212	16.769	16.775	-0.006	98	16919	0.1250	0.0762	
129 Butyl benzyl phthalate	149	16.833	16.839	-0.006	94	13070	0.1250	0.0813	
130 2-Acetylaminofluorene	181	17.183	17.200	-0.017	91	4993	0.1250	0.0391	
131 3,3'-Dichlorobenzidine	252	17.702	17.713	-0.011	75	9282	0.1250	0.0796	
132 Benzo[a]anthracene	228	17.713	17.725	-0.012	99	29430	0.1250	0.1024	
133 4,4'-Methylene bis(2-chloroani	231	17.725	17.731	-0.006	60	4568	0.1250	0.0720	
134 Chrysene	228	17.778	17.789	-0.011	97	36439	0.1250	0.1201	
135 Bis(2-ethylhexyl) phthalate	149	17.906	17.912	-0.006	98	16042	0.1250	0.0719	
136 6-Methylchrysene	242	18.582	18.593	-0.011	97	22218	0.1250	0.1020	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.077	19.083	-0.006	99	21426	0.1250	0.0580	
138 Benzo[b]fluoranthene	252	19.579	19.584	-0.005	97	30108	0.1250	0.1032	
139 7,12-Dimethylbenz(a)anthracene	256	19.579	19.590	-0.011	90	12324	0.1250	0.0913	
140 Benzo[k]fluoranthene	252	19.619	19.637	-0.018	99	32871	0.1250	0.1125	
141 Benzo[a]pyrene	252	20.109	20.115	-0.006	79	25791	0.1250	0.0967	
* 142 Perylene-d12	264	20.202	20.202	0.000	97	1141680	5.00	5.00	
143 3-Methylcholanthrene	268	20.680	20.692	-0.012	93	10765	0.1250	0.0831	
144 Dibenz[a,h]acridine	279	21.490	21.502	-0.012	91	13677	0.1250	0.0755	
145 Dibenz[a,j]acridine	279	21.560	21.572	-0.012	94	14521	0.1250	0.0744	
146 Indeno[1,2,3-cd]pyrene	276	21.811	21.828	-0.017	96	18066	0.1250	0.0918	
147 Dibenz(a,h)anthracene	278	21.858	21.869	-0.011	93	18516	0.1250	0.0883	
148 Benzo[g,h,i]perylene	276	22.213	22.236	-0.023	94	24258	0.1250	0.1135	
S 152 Dinitrotoluene	165				0		0.2500	0.1862	
S 170 Isosafrole	162				0		0.1250	0.1185	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00006

Amount Added: 1.00

Units: mL

Data File:

\\chromfs\lancaster\ChromData\HP19760\20200708-5043 b\DG0352.D

Injection Date: 08-Jul

08-Jul-2020 08:57:30

Instrument ID:

HP19760

Operator ID: em10340

Lims ID: ICL1

Worklist Smp#:

Client ID:

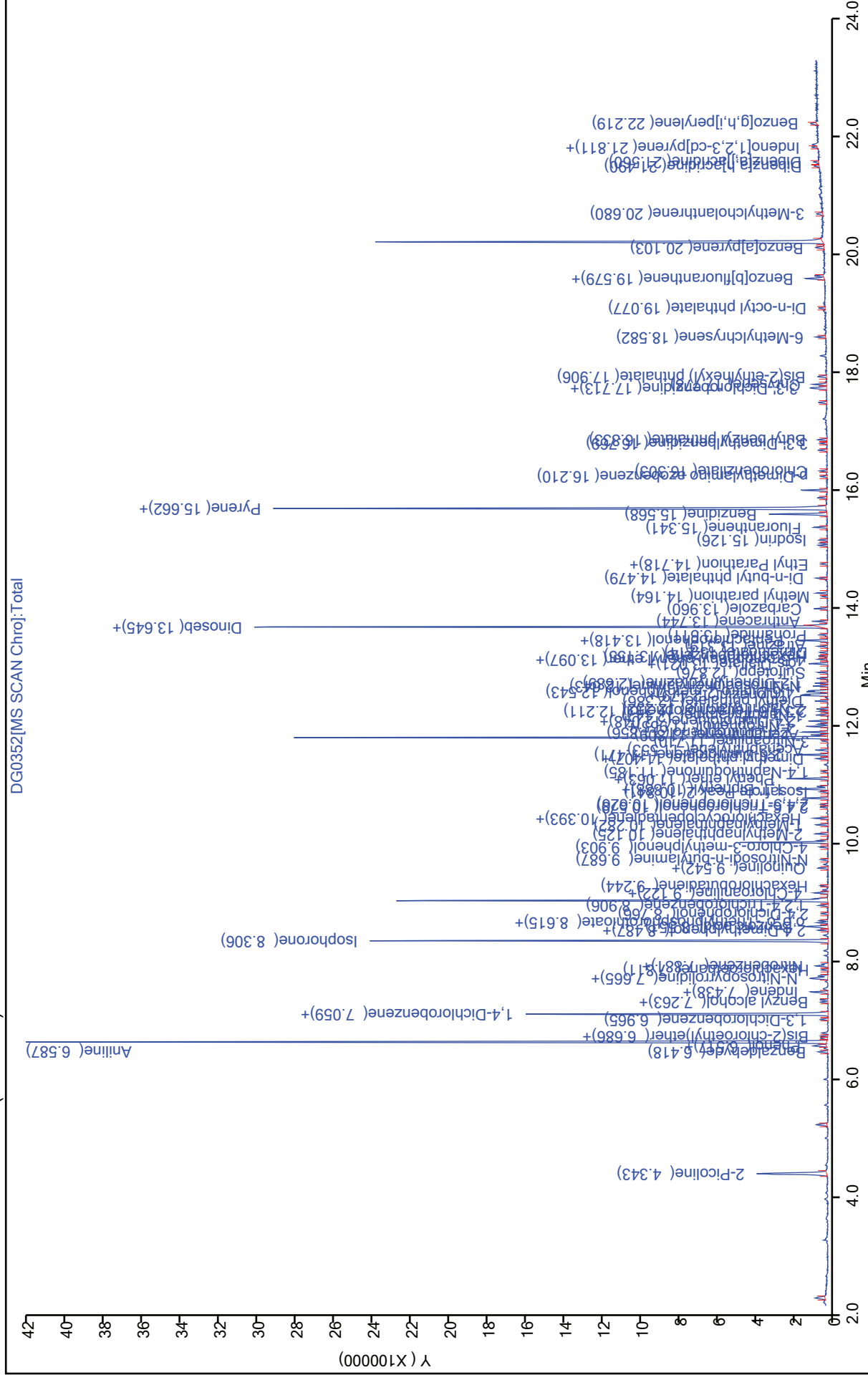
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi HP19760

Limit Group: MSSV - 8270D E | VI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0352.D

Injection Date: 08-Jul-2020 08:57:30

Instrument ID: HP19760

Lims ID: IC L1

Client ID:

Operator ID: em10340

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

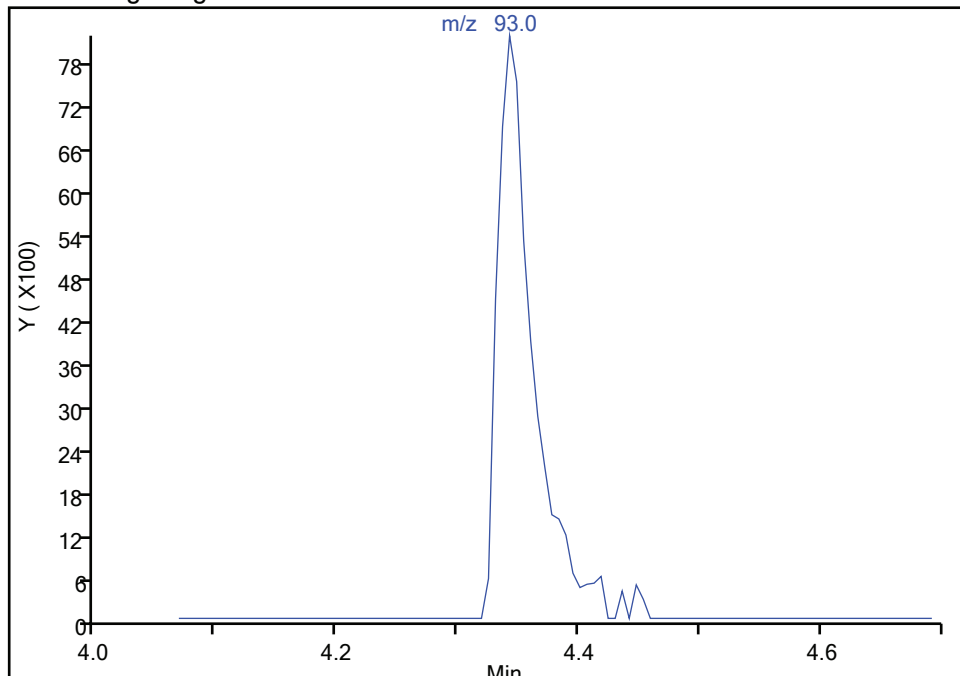
4 2-Picoline, CAS: 109-06-8

Signal: 1

Not Detected

Expected RT: 4.32

Processing Integration Results



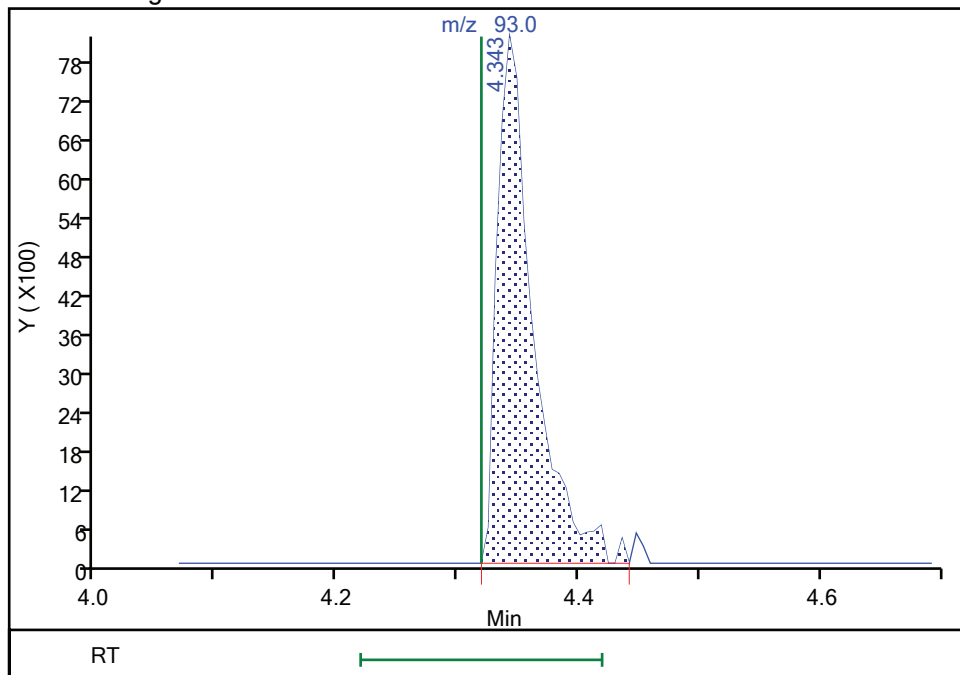
RT: 4.34

Area: 17115

Amount: 0.122301

Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 08-Jul-2020 14:38:00

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0352.D

Injection Date: 08-Jul-2020 08:57:30

Instrument ID: HP19760

Lims ID: IC L1

Client ID:

Operator ID: em10340

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

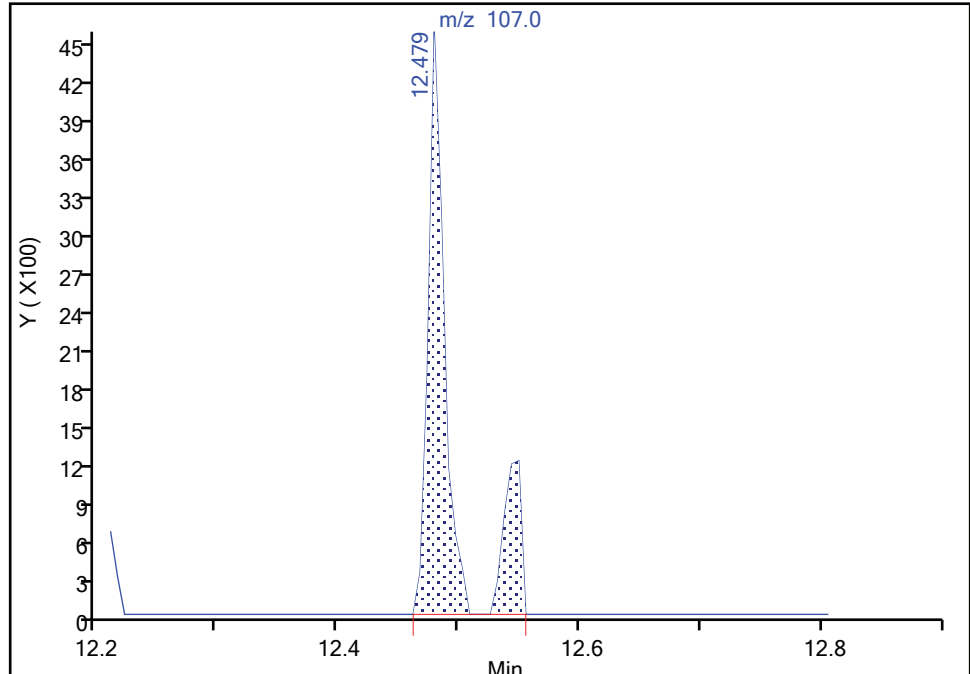
MS SCAN

88 Thionazin, CAS: 297-97-2

Signal: 1

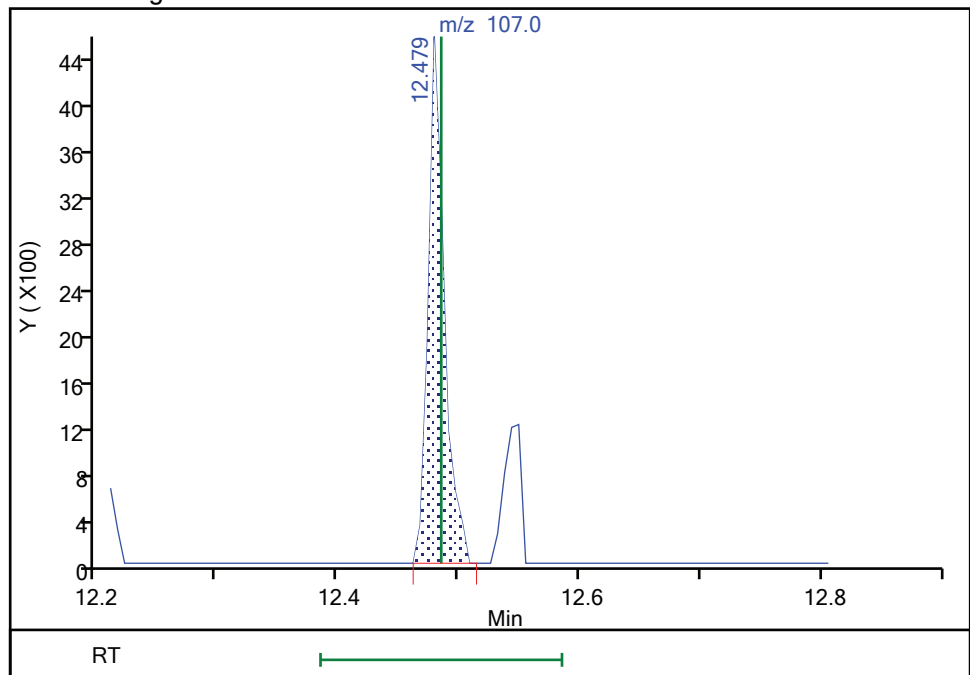
RT: 12.48
Area: 5424
Amount: 0.131934
Amount Units: ug/ml

Processing Integration Results



RT: 12.48
Area: 4222
Amount: 0.102697
Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 08-Jul-2020 14:38:50

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0352.D

Injection Date: 08-Jul-2020 08:57:30

Instrument ID: HP19760

Lims ID: IC L1

Client ID:

Operator ID: em10340

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

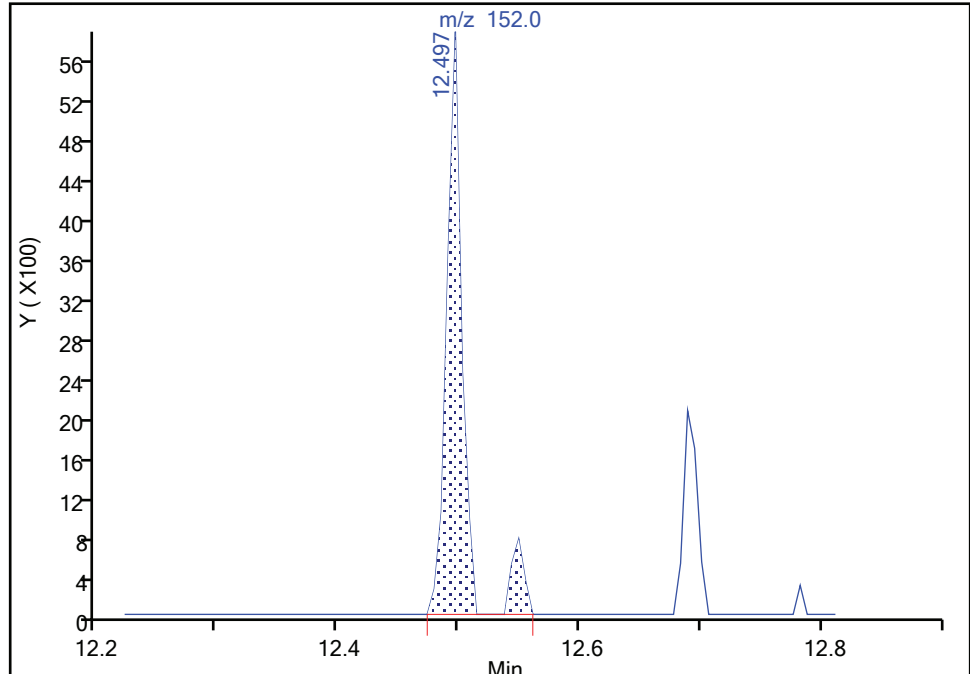
MS SCAN

90 N-Nitro-o-toluidine, CAS: 99-55-8

Signal: 1

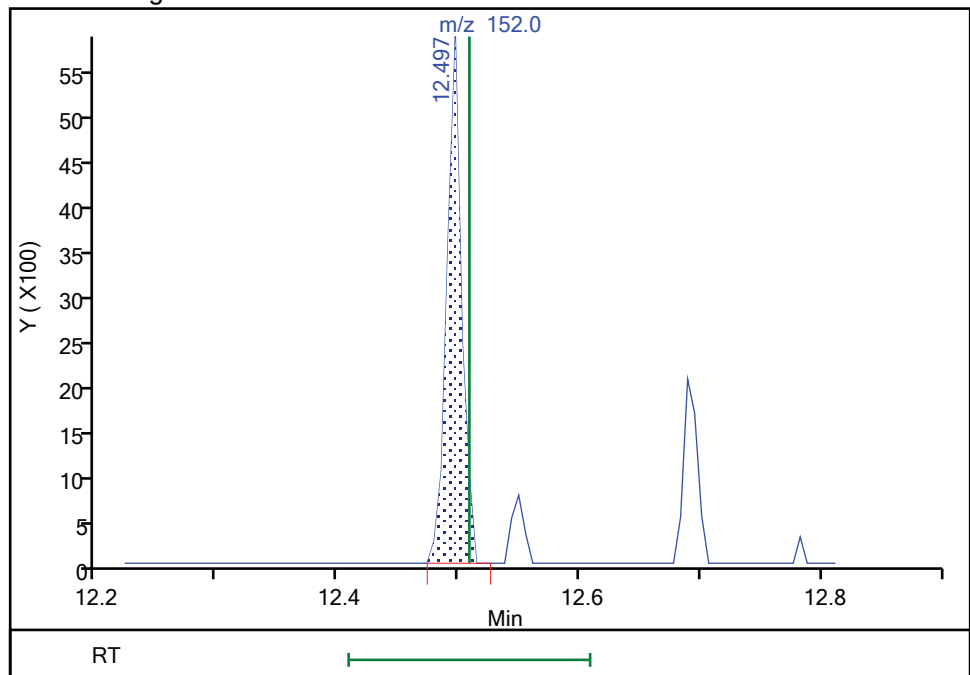
RT: 12.50
Area: 5553
Amount: 0.102702
Amount Units: ug/ml

Processing Integration Results



RT: 12.50
Area: 4996
Amount: 0.092401
Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 08-Jul-2020 14:39:09

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0353.D
 Lims ID: IC L8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 08-Jul-2020 09:25:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: IC L8
 Misc. Info.: 410-0005043-004
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:09:09 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 10:50:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.600	2.588	0.012	94	1178019	30.0	32.4	
2 N-Nitrosodimethylamine	74	3.148	3.130	0.018	87	1848535	30.0	31.8	
3 Pyridine	79	3.171	3.165	0.006	99	3076450	30.0	31.2	
4 2-Picoline	93	4.325	4.319	0.006	90	3205171	30.0	31.4	
5 N-Nitrosomethylethylamine	88	4.512	4.506	0.006	83	1337692	30.0	31.1	
7 Methyl methanesulfonate	80	4.960	4.949	0.011	84	1389358	30.0	30.1	
\$ 8 2-Fluorophenol	112	5.194	5.182	0.012	94	4866894	60.0	60.2	
9 N-Nitrosodiethylamine	102	5.526	5.514	0.012	91	1272057	30.0	31.3	
10 Ethyl methanesulfonate	109	5.969	5.957	0.012	97	1274803	30.0	30.6	
12 Benzaldehyde	77	6.423	6.417	0.006	96	1726660	30.0	27.3	
\$ 13 Phenol-d5	99	6.546	6.528	0.018	97	6415599	60.0	58.2	
14 Phenol	94	6.563	6.546	0.017	92	3587729	30.0	30.0	
15 Aniline	93	6.587	6.575	0.012	94	4231695	30.0	29.7	
16 Bis(2-chloroethyl)ether	93	6.697	6.686	0.011	98	2646453	30.0	29.1	
17 2-Chlorophenol	128	6.750	6.744	0.006	93	2171860	30.0	29.9	
18 1,3-Dichlorobenzene	146	6.977	6.971	0.006	95	2246257	30.0	29.2	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	98	232120	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.088	7.082	0.006	90	2267819	30.0	28.9	
21 Benzyl alcohol	108	7.280	7.268	0.012	91	1594172	30.0	30.8	
22 1,2-Dichlorobenzene	146	7.309	7.303	0.006	94	2135330	30.0	29.0	
24 Indene	115	7.443	7.437	0.006	89	3413723	30.0	29.6	
23 2-Methylphenol	108	7.449	7.443	0.006	95	2210487	30.0	29.9	
25 2,2'-oxybis[1-chloropropane]	45	7.496	7.490	0.006	94	2779704	30.0	28.3	
26 N-Nitrosopyrrolidine	100	7.659	7.630	0.029	88	1300168	30.0	30.8	
27 Acetophenone	105	7.682	7.665	0.017	96	3372751	30.0	31.0	
28 4-Methylphenol	108	7.700	7.676	0.024	93	2447510	30.0	31.0	
29 N-Nitrosodi-n-propylamine	70	7.712	7.682	0.030	75	1882884	30.0	29.6	
30 N-Nitrosomorpholine	56	7.723	7.694	0.029	89	1483744	30.0	27.8	
31 2-Toluidine	106	7.729	7.717	0.012	92	3637721	30.0	28.7	
32 Hexachloroethane	117	7.817	7.811	0.006	96	990958	30.0	28.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.904	7.886	0.018	88	5246307	60.0	55.9	
34 Nitrobenzene	77	7.933	7.915	0.018	85	2723784	30.0	28.2	
35 N-Nitrosopiperidine	114	8.160	8.143	0.017	89	1150088	30.0	29.5	
36 Isophorone	82	8.306	8.294	0.012	97	4957102	30.0	28.5	
37 2-Nitrophenol	139	8.411	8.405	0.006	91	1176158	30.0	29.6	
38 2,4-Dimethylphenol	107	8.504	8.492	0.012	97	2363574	30.0	29.0	
39 o,o',o"-Triethylphosphorothioat	198	8.633	8.621	0.012	90	1021485	30.0	28.3	
40 Benzoic acid	105	8.714	8.644	0.070	86	1750148	30.0	30.7	
41 Bis(2-chloroethoxy)methane	93	8.668	8.656	0.012	98	2993208	30.0	27.5	
42 2,4-Dichlorophenol	162	8.790	8.778	0.012	97	1699802	30.0	28.6	
43 1,2,4-Trichlorobenzene	180	8.918	8.912	0.006	93	1793286	30.0	28.3	
* 44 Naphthalene-d8	136	9.000	8.994	0.006	100	936877	5.00	5.00	
45 Naphthalene	128	9.035	9.029	0.006	98	5801439	30.0	27.2	
46 4-Chloroaniline	127	9.134	9.122	0.012	94	2454752	30.0	28.1	
47 2,6-Dichlorophenol	162	9.140	9.134	0.006	94	1590478	30.0	28.3	
48 Hexachloropropene	213	9.175	9.174	0.001	89	1118393	30.0	28.8	
49 Hexachlorobutadiene	225	9.245	9.244	0.001	97	956333	30.0	28.5	
50 Quinoline	129	9.565	9.553	0.012	97	3875898	30.0	27.8	
S 51 Diallate	86				0		30.0	29.1	
52 Caprolactam	113	9.722	9.658	0.064	80	775311	30.0	32.0	a
53 N-Nitrosodi-n-butylamine	84	9.699	9.693	0.006	90	2184754	30.0	32.3	
54 4-Chloro-3-methylphenol	107	9.932	9.909	0.023	93	2016374	30.0	29.1	
55 Safrole, Total	162	10.020	10.014	0.006	85	1538258	30.0	28.3	
56 2-Methylnaphthalene	142	10.136	10.130	0.006	91	3847851	30.0	27.9	
57 1-Methylnaphthalene	142	10.288	10.282	0.006	92	3634088	30.0	27.9	
58 Hexachlorocyclopentadiene	237	10.399	10.393	0.006	97	1089247	30.0	30.9	
59 1,2,4,5-Tetrachlorobenzene	216	10.404	10.398	0.006	98	1634937	30.0	29.0	
60 Isosafrole Peak 1	162	10.486	10.480	0.006	87	276206	4.80	4.81	
61 2,4,6-Trichlorophenol	196	10.597	10.585	0.012	93	1186347	30.0	30.8	
62 2,4,5-Trichlorophenol	196	10.649	10.637	0.012	91	1231839	30.0	30.1	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.748	10.736	0.012	98	7195174	60.0	53.1	
64 Isosafrole Peak 2	162	10.853	10.847	0.006	88	1524399	25.2	24.7	
65 1,1'-Biphenyl	154	10.900	10.888	0.012	97	4437266	30.0	26.8	
66 2-Chloronaphthalene	162	10.912	10.906	0.006	98	3590847	30.0	28.8	
67 1-Chloronaphthalene	162	10.947	10.935	0.011	96	3162868	30.0	27.6	
68 Phenyl ether	170	11.075	11.069	0.006	88	2350426	30.0	29.2	
69 2-Nitroaniline	138	11.092	11.075	0.017	82	1280603	30.0	31.0	
70 1,4-Naphthoquinone	158	11.203	11.191	0.012	83	1577493	30.0	30.4	
71 1,4-Dinitrobenzene	168	11.325	11.314	0.011	87	686004	30.0	31.6	
72 Dimethyl phthalate	163	11.424	11.413	0.011	96	3981131	30.0	28.8	
73 1,3-Dinitrobenzene	168	11.436	11.424	0.012	84	745326	30.0	30.6	
74 2,6-Dinitrotoluene	165	11.494	11.483	0.011	91	1001188	30.0	31.0	
75 Acenaphthylene	152	11.564	11.558	0.006	99	4989192	30.0	28.7	
76 3-Nitroaniline	138	11.728	11.716	0.012	89	1118636	30.0	31.5	
* 77 Acenaphthene-d10	164	11.768	11.768	0.000	96	452015	5.00	5.00	
78 Acenaphthene	153	11.821	11.815	0.006	96	3573133	30.0	28.1	
79 2,4-Dinitrophenol	184	11.879	11.867	0.012	84	739997	30.0	32.7	
80 4-Nitrophenol	109	11.984	11.966	0.018	83	798475	30.0	31.9	
81 Pentachlorobenzene	250	12.001	11.995	0.006	97	1298714	30.0	28.0	
83 Dibenzofuran	168	12.060	12.054	0.006	97	4518891	30.0	27.0	
82 2,4-Dinitrotoluene	165	12.066	12.054	0.012	89	1325924	30.0	30.1	
84 1-Naphthylamine	143	12.165	12.153	0.012	98	3781026	30.0	29.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.223	12.217	0.006	77	963157	30.0	30.1	
86 2-Naphthylamine	143	12.270	12.258	0.012	94	3653334	30.0	29.7	
87 Diethyl phthalate	149	12.409	12.398	0.011	97	4038208	30.0	29.9	
88 Thionazin	107	12.503	12.485	0.018	77	876283	30.0	29.8	
89 Fluorene	166	12.491	12.485	0.006	93	3730385	30.0	27.9	
91 4-Chlorophenyl phenyl ether	204	12.509	12.508	0.001	91	1798428	30.0	27.5	
90 N-Nitro-o-toluidine	152	12.520	12.508	0.012	89	1160759	30.0	30.0	
92 4-Nitroaniline	138	12.538	12.514	0.024	80	1158457	30.0	30.2	
93 4,6-Dinitro-2-methylphenol	198	12.573	12.555	0.018	82	916742	30.0	31.0	
94 N-Nitrosodiphenylamine	169	12.660	12.648	0.012	63	3329979	30.0	28.6	
95 1,2-Diphenylhydrazine	77	12.701	12.695	0.006	98	5080201	30.0	28.1	
\$ 96 2,4,6-Tribromophenol	330	12.788	12.777	0.011	82	898912	60.0	58.8	
97 Sulfotepp	97	12.882	12.876	0.006	80	871688	30.0	29.5	
98 cis-Diallate	86	13.022	13.021	0.001	95	1745949	22.2	21.5	
99 Phorate	75	13.033	13.027	0.006	96	3228150	30.0	30.2	
100 Phenacetin	108	13.068	13.045	0.023	92	2497354	30.0	30.0	
101 4-Bromophenyl phenyl ether	248	13.109	13.103	0.006	71	1022191	30.0	28.5	
102 trans-Diallate	86	13.126	13.126	0.000	98	619087	7.80	7.63	
103 Hexachlorobenzene	284	13.161	13.155	0.006	90	1002483	30.0	27.7	
104 Dimethoate	87	13.243	13.225	0.018	97	2302222	30.0	29.6	
105 Atrazine	200	13.336	13.324	0.012	91	1035128	30.0	27.4	
106 Pentachlorophenol	266	13.418	13.412	0.006	89	817251	30.0	29.2	
108 4-Aminobiphenyl	169	13.430	13.423	0.007	92	3475452	30.0	27.2	
107 Pentachloronitrobenzene	237	13.435	13.429	0.006	85	496279	30.0	29.0	
109 Pronamide	173	13.534	13.523	0.011	90	1877248	30.0	29.0	
* 110 Phenanthrene-d10	188	13.657	13.651	0.006	97	878631	5.00	5.00	
111 Dinoseb	211	13.668	13.662	0.006	94	1212605	30.0	32.3	
112 Phenanthrene	178	13.692	13.680	0.012	98	5588751	30.0	26.8	
113 Anthracene	178	13.756	13.750	0.006	99	5791980	30.0	27.9	
114 Carbazole	167	13.972	13.966	0.006	96	5454171	30.0	28.5	
115 Methyl parathion	109	14.176	14.170	0.006	91	1793357	30.0	30.4	
116 Di-n-butyl phthalate	149	14.484	14.478	0.006	99	6767583	30.0	27.5	
117 Ethyl Parathion	109	14.729	14.723	0.006	84	1107135	30.0	32.2	
118 4-Nitroquinoline-1-oxide	190	14.747	14.735	0.012	93	825758	30.0	34.7	
119 Octachlorostyrene	308	15.079	15.079	0.000	89	442264	30.0	30.0	
120 Isodrin	193	15.131	15.131	0.000	90	742960	30.0	29.7	
121 Fluoranthene	202	15.359	15.347	0.012	99	6772945	30.0	28.9	
122 Benzidine	184	15.598	15.580	0.018	98	11899937	90.0	80.9	
* 123 Pyrene-d10 (IS)	212	15.668	15.668	0.000	100	901291	5.00	5.00	
124 Pyrene	202	15.709	15.697	0.011	95	6759104	30.0	27.2	
\$ 125 p-Terphenyl-d14	244	15.994	15.982	0.012	98	7834569	60.0	52.7	
126 p-Dimethylamino azobenzene	225	16.221	16.215	0.006	92	1389823	30.0	31.0	
127 Chlorobenzilate	139	16.309	16.303	0.006	87	2182425	30.0	29.2	
128 3,3'-Dimethylbenzidine	212	16.787	16.775	0.012	99	4787113	30.0	30.5	
129 Butyl benzyl phthalate	149	16.845	16.839	0.006	95	3378839	30.0	29.8	
130 2-Acetylaminofluorene	181	17.224	17.200	0.024	95	3060157	30.0	33.9	
131 3,3'-Dichlorobenzidine	252	17.725	17.713	0.012	78	2412471	30.0	29.3	
132 Benzo[a]anthracene	228	17.737	17.725	0.012	99	5941482	30.0	29.3	
133 4,4'-Methylene bis(2-chloroani	231	17.743	17.731	0.012	93	1290192	30.0	28.8	
134 Chrysene	228	17.801	17.789	0.012	97	6114245	30.0	28.5	
135 Bis(2-ethylhexyl) phthalate	149	17.918	17.912	0.006	97	4718883	30.0	29.9	M
136 6-Methylchrysene	242	18.605	18.593	0.012	99	4639334	30.0	30.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.089	19.083	0.006	99	8094231	30.0	31.6	
138 Benzo[b]fluoranthene	252	19.608	19.584	0.024	97	6635665	30.0	32.8	
139 7,12-Dimethylbenz(a)anthracene	256	19.614	19.590	0.024	91	3109427	30.0	33.2	
140 Benzo[k]fluoranthene	252	19.660	19.637	0.023	98	6153630	30.0	30.4	
141 Benzo[a]pyrene	252	20.132	20.115	0.017	80	6057687	30.0	32.8	
* 142 Perylene-d12	264	20.208	20.202	0.006	97	791622	5.00	5.00	
143 3-Methylcholanthrene	268	20.704	20.692	0.012	93	3047749	30.0	33.9	
144 Dibenz[a,h]acridine	279	21.514	21.502	0.012	92	3895142	30.0	31.0	
145 Dibenz[a,j]acridine	279	21.590	21.572	0.018	95	4010834	30.0	29.6	
146 Indeno[1,2,3-cd]pyrene	276	21.852	21.828	0.024	99	4389645	30.0	32.2	
147 Dibenz(a,h)anthracene	278	21.893	21.869	0.024	94	4587236	30.0	31.5	
148 Benzo[g,h,i]perylene	276	22.254	22.236	0.018	95	4143116	30.0	28.0	
S 152 Dinitrotoluene	165				0		60.0	61.0	
S 170 Isosafrole	162				0		30.0	29.5	

QC Flag Legend

Review Flags

M - Manually Integrated

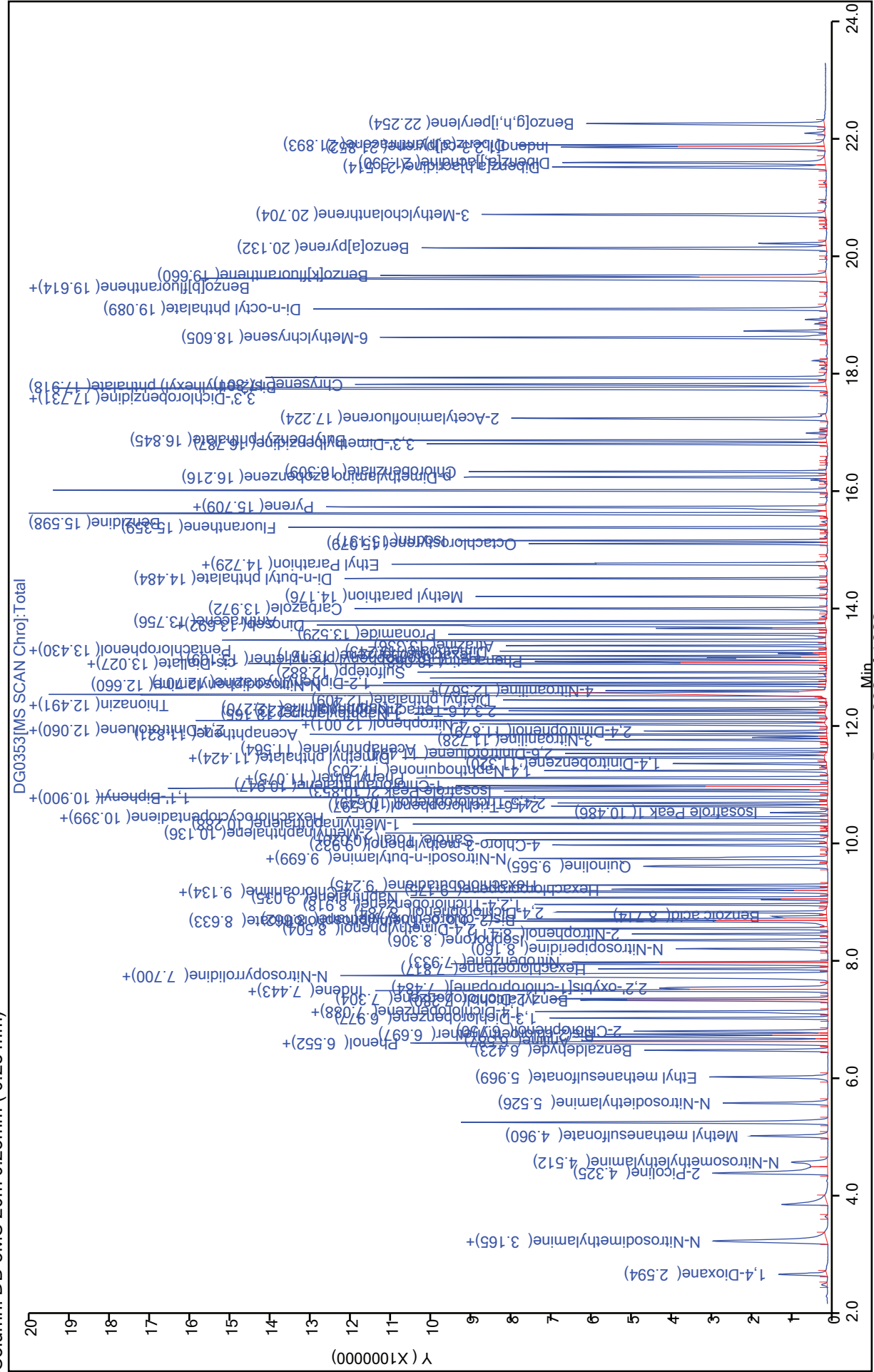
a - User Assigned ID

Reagents:

MSS_RV8270_8_00005

Amount Added: 1.00

Units: mL



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0353.D

Injection Date: 08-Jul-2020 09:25:30

Instrument ID: HP19760

Lims ID: IC L8

Client ID:

Operator ID: em10340

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

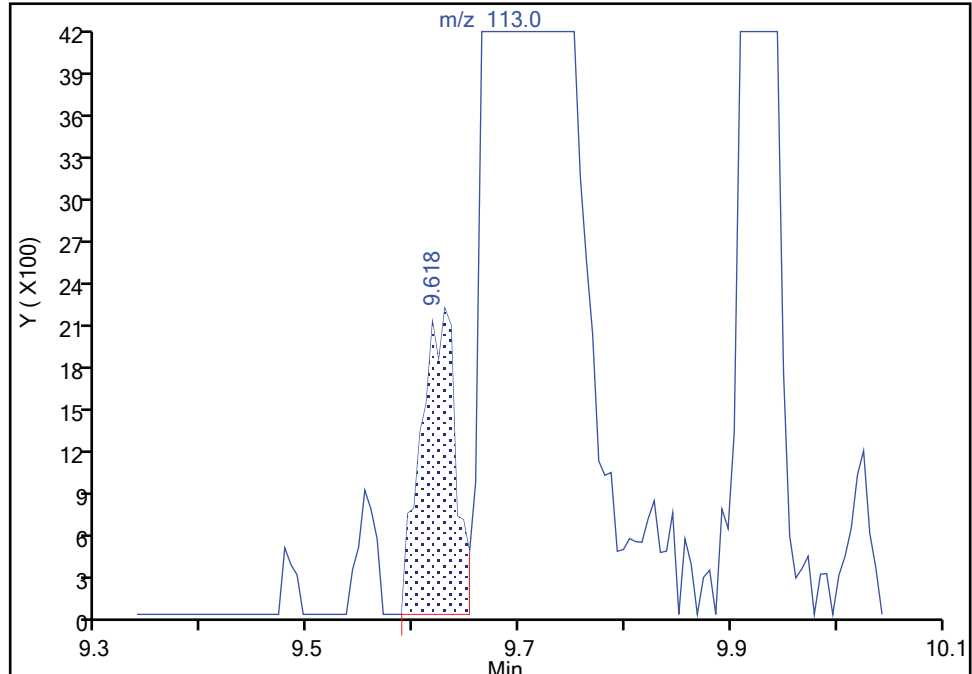
MS SCAN

52 Caprolactam, CAS: 105-60-2

Signal: 1

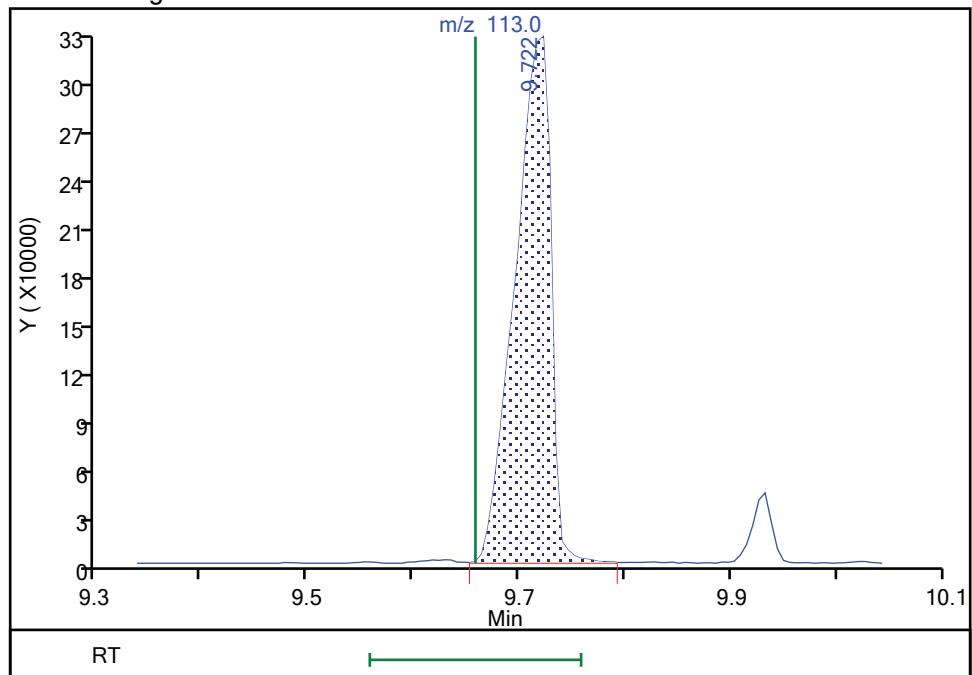
RT: 9.62
Area: 4882
Amount: 0.244728
Amount Units: ug/ml

Processing Integration Results



RT: 9.72
Area: 775311
Amount: 31.999488
Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 08-Jul-2020 14:40:16

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0353.D

Injection Date: 08-Jul-2020 09:25:30

Instrument ID: HP19760

Lims ID: IC L8

Client ID:

Operator ID: em10340

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

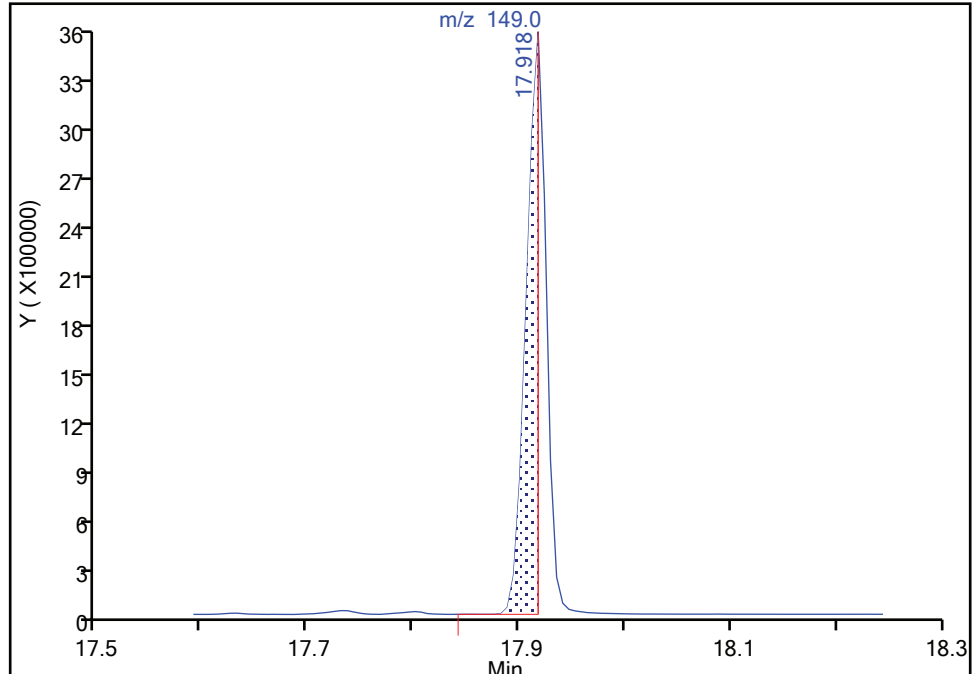
MS SCAN

135 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

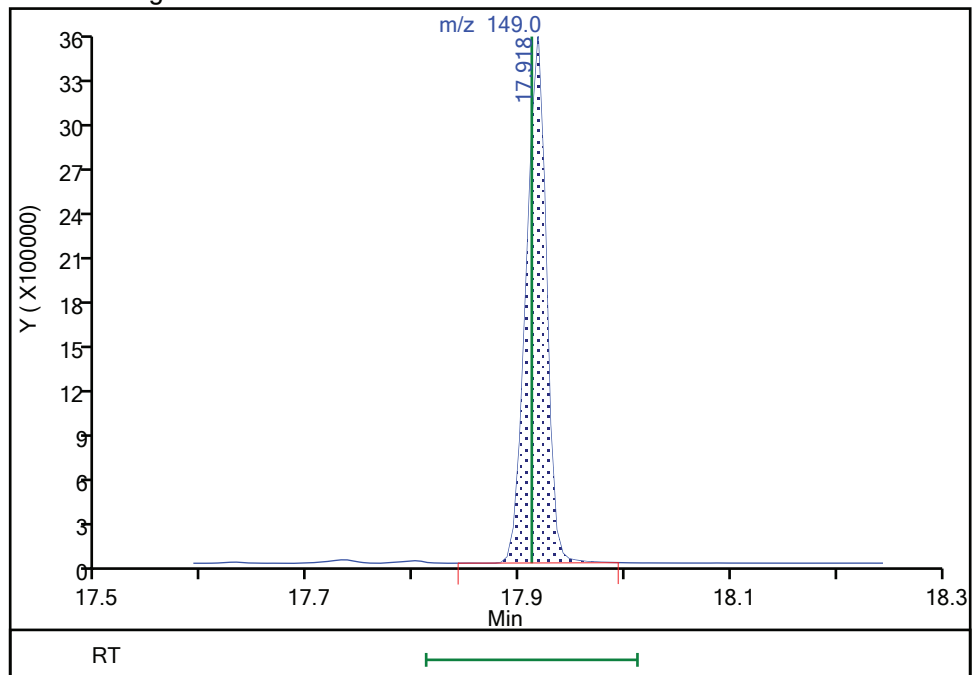
RT: 17.92
Area: 2723370
Amount: 18.575427
Amount Units: ug/ml

Processing Integration Results



RT: 17.92
Area: 4718883
Amount: 29.923616
Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 08-Jul-2020 14:41:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0354.D
 Lims ID: IC L7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 08-Jul-2020 09:53:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: IC L7
 Misc. Info.: 410-0005043-005
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:09:20 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 10:52:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.606	2.588	0.018	96	683178	20.0	20.2	
2 N-Nitrosodimethylamine	74	3.148	3.130	0.018	92	1072887	20.0	19.8	
3 Pyridine	79	3.183	3.165	0.018	98	1845945	20.0	20.2	
4 2-Picoline	93	4.325	4.319	0.006	91	1924080	20.0	20.3	
5 N-Nitrosomethylethylamine	88	4.512	4.506	0.006	84	807610	20.0	20.2	
7 Methyl methanesulfonate	80	4.955	4.949	0.006	85	848864	20.0	19.8	
\$ 8 2-Fluorophenol	112	5.188	5.182	0.006	94	3012433	40.0	40.1	
9 N-Nitrosodiethylamine	102	5.520	5.514	0.006	91	772217	20.0	20.4	
10 Ethyl methanesulfonate	109	5.963	5.957	0.006	98	777624	20.0	20.1	
12 Benzaldehyde	77	6.423	6.417	0.006	97	1147647	20.0	19.5	
\$ 13 Phenol-d5	99	6.534	6.528	0.006	99	4017188	40.0	39.2	
14 Phenol	94	6.552	6.546	0.006	92	2232033	20.0	20.1	
15 Aniline	93	6.581	6.575	0.006	96	2665085	20.0	20.2	
16 Bis(2-chloroethyl)ether	93	6.692	6.686	0.006	97	1674518	20.0	19.8	
17 2-Chlorophenol	128	6.750	6.744	0.006	93	1358309	20.0	20.1	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	95	1426370	20.0	20.0	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	215682	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.088	7.082	0.006	91	1442940	20.0	19.8	
21 Benzyl alcohol	108	7.274	7.268	0.006	91	973026	20.0	20.2	
22 1,2-Dichlorobenzene	146	7.304	7.303	0.001	94	1353829	20.0	19.8	
24 Indene	115	7.438	7.437	0.001	89	2143244	20.0	20.0	
23 2-Methylphenol	108	7.443	7.443	0.000	92	1385137	20.0	20.2	
25 2,2'-oxybis[1-chloropropane]	45	7.496	7.490	0.006	96	1790645	20.0	19.6	
26 N-Nitrosopyrrolidine	100	7.642	7.630	0.012	91	799754	20.0	20.4	
27 Acetophenone	105	7.671	7.665	0.006	97	2012258	20.0	19.9	
28 4-Methylphenol	108	7.688	7.676	0.012	94	1440112	20.0	19.6	
29 N-Nitrosodi-n-propylamine	70	7.694	7.682	0.012	75	1174808	20.0	19.9	
30 N-Nitrosomorpholine	56	7.706	7.694	0.012	94	944348	20.0	19.0	
31 2-Toluidine	106	7.723	7.717	0.006	95	2323775	20.0	19.7	
32 Hexachloroethane	117	7.817	7.811	0.005	96	625287	20.0	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.898	7.886	0.012	88	3321543	40.0	38.8	
34 Nitrobenzene	77	7.921	7.915	0.006	85	1722479	20.0	19.6	
35 N-Nitrosopiperidine	114	8.155	8.143	0.012	88	716891	20.0	20.2	
36 Isophorone	82	8.300	8.294	0.006	97	3117342	20.0	19.7	
37 2-Nitrophenol	139	8.405	8.405	0.000	91	731847	20.0	20.2	
38 2,4-Dimethylphenol	107	8.498	8.492	0.006	97	1474888	20.0	19.9	
39 o,o',o"-Triethylphosphorothioat	198	8.627	8.621	0.006	90	639005	20.0	19.4	
40 Benzoic acid	105	8.667	8.644	0.023	85	1069105	20.0	20.6	
41 Bis(2-chloroethoxy)methane	93	8.656	8.656	0.000	98	1915772	20.0	19.3	
42 2,4-Dichlorophenol	162	8.778	8.778	0.000	97	1060792	20.0	19.6	
43 1,2,4-Trichlorobenzene	180	8.912	8.912	0.000	93	1131382	20.0	19.6	
* 44 Naphthalene-d8	136	8.994	8.994	0.000	99	853263	5.00	5.00	
45 Naphthalene	128	9.029	9.029	0.000	98	3750919	20.0	19.3	
46 4-Chloroaniline	127	9.128	9.122	0.006	94	1540607	20.0	19.3	
47 2,6-Dichlorophenol	162	9.134	9.134	0.000	93	1014150	20.0	19.8	
48 Hexachloropropene	213	9.175	9.174	0.001	90	704903	20.0	19.9	
49 Hexachlorobutadiene	225	9.245	9.244	0.001	97	605732	20.0	19.8	
50 Quinoline	129	9.559	9.553	0.006	95	2460750	20.0	19.4	
S 51 Diallate	86				0		20.0	19.8	
52 Caprolactam	113	9.688	9.658	0.030	76	443626	20.0	20.1	
53 N-Nitrosodi-n-butylamine	84	9.693	9.693	0.000	91	1336167	20.0	21.7	
54 4-Chloro-3-methylphenol	107	9.921	9.909	0.012	94	1263812	20.0	20.0	
55 Safrole, Total	162	10.020	10.014	0.006	86	973292	20.0	19.6	
56 2-Methylnaphthalene	142	10.130	10.130	0.000	92	2464401	20.0	19.6	
57 1-Methylnaphthalene	142	10.288	10.282	0.006	93	2326485	20.0	19.6	
58 Hexachlorocyclopentadiene	237	10.393	10.393	0.000	97	677820	20.0	20.6	
59 1,2,4,5-Tetrachlorobenzene	216	10.399	10.398	0.001	99	1037677	20.0	19.7	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	86	173663	3.20	3.24	
61 2,4,6-Trichlorophenol	196	10.591	10.585	0.006	94	741681	20.0	20.6	
62 2,4,5-Trichlorophenol	196	10.643	10.637	0.006	91	770157	20.0	20.2	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.742	10.736	0.006	99	4845139	40.0	38.3	
64 Isosafrole Peak 2	162	10.847	10.847	0.000	90	965016	16.8	16.7	
65 1,1'-Biphenyl	154	10.894	10.888	0.006	96	2797350	20.0	18.1	
66 2-Chloronaphthalene	162	10.906	10.906	0.000	98	2289260	20.0	19.7	
67 1-Chloronaphthalene	162	10.941	10.935	0.006	97	2068811	20.0	19.3	
68 Phenyl ether	170	11.069	11.069	0.000	86	1518018	20.0	20.1	
69 2-Nitroaniline	138	11.081	11.075	0.006	82	792137	20.0	20.5	
70 1,4-Naphthoquinone	158	11.197	11.191	0.006	83	969963	20.0	20.0	
71 1,4-Dinitrobenzene	168	11.314	11.314	0.000	87	419258	20.0	20.7	
72 Dimethyl phthalate	163	11.419	11.413	0.006	97	2491839	20.0	19.3	
73 1,3-Dinitrobenzene	168	11.430	11.424	0.006	83	458813	20.0	20.2	
74 2,6-Dinitrotoluene	165	11.489	11.483	0.006	91	615032	20.0	20.4	
75 Acenaphthylene	152	11.558	11.558	0.000	99	3228909	20.0	19.9	
76 3-Nitroaniline	138	11.722	11.716	0.006	88	690006	20.0	20.8	
* 77 Acenaphthene-d10	164	11.768	11.768	0.000	97	421858	5.00	5.00	
78 Acenaphthene	153	11.815	11.815	0.000	96	2278105	20.0	19.2	
79 2,4-Dinitrophenol	184	11.873	11.867	0.006	84	439336	20.0	20.8	
80 4-Nitrophenol	109	11.972	11.966	0.006	83	491564	20.0	21.0	
81 Pentachlorobenzene	250	11.996	11.995	0.001	97	822606	20.0	19.0	
83 Dibenzofuran	168	12.054	12.054	0.000	96	2930300	20.0	18.7	
82 2,4-Dinitrotoluene	165	12.054	12.054	0.000	86	822727	20.0	20.0	
84 1-Naphthylamine	143	12.159	12.153	0.006	98	2365396	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.217	12.217	0.000	77	592236	20.0	19.8	
86 2-Naphthylamine	143	12.264	12.258	0.006	95	2305363	20.0	20.1	
87 Diethyl phthalate	149	12.404	12.398	0.006	97	2488407	20.0	19.7	
88 Thionazin	107	12.491	12.485	0.006	75	552142	20.0	20.1	
89 Fluorene	166	12.485	12.485	0.000	93	2364429	20.0	19.0	
91 4-Chlorophenyl phenyl ether	204	12.509	12.508	0.001	91	1154447	20.0	18.9	
90 N-Nitro-o-toluidine	152	12.514	12.508	0.006	85	727734	20.0	20.1	
92 4-Nitroaniline	138	12.520	12.514	0.006	81	708673	20.0	19.8	
93 4,6-Dinitro-2-methylphenol	198	12.561	12.555	0.006	82	549587	20.0	20.5	
94 N-Nitrosodiphenylamine	169	12.654	12.648	0.006	63	2093732	20.0	19.8	
95 1,2-Diphenylhydrazine	77	12.695	12.695	0.000	99	3203245	20.0	19.5	
\$ 96 2,4,6-Tribromophenol	330	12.783	12.777	0.005	83	559950	40.0	39.2	
97 Sulfotepp	97	12.876	12.876	0.000	79	532512	20.0	19.8	
98 cis-Diallate	86	13.021	13.021	0.000	91	1083075	14.8	14.7	
99 Phorate	75	13.027	13.027	0.000	96	2000083	20.0	20.6	
100 Phenacetin	108	13.051	13.045	0.006	92	1516061	20.0	20.1	
101 4-Bromophenyl phenyl ether	248	13.103	13.103	0.000	70	642698	20.0	19.7	
102 trans-Diallate	86	13.126	13.126	0.000	98	380870	5.20	5.16	
103 Hexachlorobenzene	284	13.156	13.155	0.001	91	627622	20.0	19.1	
104 Dimethoate	87	13.231	13.225	0.006	97	1418733	20.0	20.1	
105 Atrazine	200	13.330	13.324	0.006	91	663395	20.0	19.3	
106 Pentachlorophenol	266	13.412	13.412	0.000	90	512613	20.0	20.1	
108 4-Aminobiphenyl	169	13.424	13.423	0.001	91	2320586	20.0	19.9	
107 Pentachloronitrobenzene	237	13.429	13.429	0.000	83	303584	20.0	19.5	
109 Pronamide	173	13.523	13.523	0.000	90	1184907	20.0	20.1	
* 110 Phenanthrene-d10	188	13.651	13.651	0.000	97	798732	5.00	5.00	
111 Dinoseb	211	13.663	13.662	0.001	94	732012	20.0	21.4	
112 Phenanthrene	178	13.686	13.680	0.006	98	3638139	20.0	19.2	
113 Anthracene	178	13.750	13.750	0.000	99	3746139	20.0	19.8	
114 Carbazole	167	13.966	13.966	0.000	96	3452161	20.0	19.8	
115 Methyl parathion	109	14.170	14.170	0.000	91	1100412	20.0	20.5	
116 Di-n-butyl phthalate	149	14.484	14.478	0.006	100	4398941	20.0	19.7	
117 Ethyl Parathion	109	14.723	14.723	0.000	85	661052	20.0	21.1	
118 4-Nitroquinoline-1-oxide	190	14.735	14.735	0.000	96	476255	20.0	22.0	
119 Octachlorostyrene	308	15.079	15.079	0.000	92	270752	20.0	20.2	
120 Isodrin	193	15.131	15.131	0.000	92	451835	20.0	19.9	
121 Fluoranthene	202	15.353	15.347	0.006	99	4300749	20.0	20.2	
122 Benzidine	184	15.586	15.580	0.006	99	7810398	60.0	58.9	
* 123 Pyrene-d10 (IS)	212	15.668	15.668	0.000	99	813197	5.00	5.00	
124 Pyrene	202	15.697	15.697	0.000	96	4280499	20.0	19.1	
\$ 125 p-Terphenyl-d14	244	15.982	15.982	0.000	98	5058783	40.0	37.7	
126 p-Dimethylamino azobenzene	225	16.216	16.215	0.001	93	846307	20.0	20.9	
127 Chlorobenzilate	139	16.303	16.303	0.000	86	1387127	20.0	20.6	
128 3,3'-Dimethylbenzidine	212	16.781	16.775	0.006	99	2978973	20.0	21.0	
129 Butyl benzyl phthalate	149	16.839	16.839	0.000	95	2071603	20.0	20.2	
130 2-Acetylaminofluorene	181	17.206	17.200	0.006	95	1809853	20.0	22.2	
131 3,3'-Dichlorobenzidine	252	17.714	17.713	0.001	81	1574026	20.0	21.2	
132 Benzo[a]anthracene	228	17.725	17.725	0.000	99	3896564	20.0	21.3	
133 4,4'-Methylene bis(2-chloroani	231	17.731	17.731	0.000	96	834699	20.0	20.7	
134 Chrysene	228	17.789	17.789	0.000	97	3808557	20.0	19.7	
135 Bis(2-ethylhexyl) phthalate	149	17.912	17.912	0.000	97	2926332	20.0	20.6	
136 6-Methylchrysene	242	18.594	18.593	0.001	100	2767685	20.0	19.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.083	19.083	0.000	99	5001988	20.0	21.2	
138 Benzo[b]fluoranthene	252	19.596	19.584	0.012	98	3989214	20.0	21.4	
139 7,12-Dimethylbenz(a)anthracene	256	19.602	19.590	0.012	92	1873859	20.0	21.7	
140 Benzo[k]fluoranthene	252	19.649	19.637	0.012	99	3794784	20.0	20.3	
141 Benzo[a]pyrene	252	20.121	20.115	0.006	80	3661582	20.0	21.5	
* 142 Perylene-d12	264	20.202	20.202	0.000	97	730167	5.00	5.00	
143 3-Methylcholanthrene	268	20.692	20.692	0.000	93	1809061	20.0	21.8	
144 Dibenz[a,h]acridine	279	21.502	21.502	0.000	92	2395910	20.0	20.7	
145 Dibenz[a,j]acridine	279	21.584	21.572	0.012	95	2559246	20.0	20.5	
146 Indeno[1,2,3-cd]pyrene	276	21.840	21.828	0.012	99	2817578	20.0	22.4	
147 Dibenz(a,h)anthracene	278	21.875	21.869	0.006	94	2964414	20.0	22.1	
148 Benzo[g,h,i]perylene	276	22.242	22.236	0.006	95	2846891	20.0	20.8	
S 152 Dinitrotoluene	165				0		40.0	40.4	
S 170 Isosafrole	162				0		20.0	20.0	

Reagents:

MSS_RV8270_7_00005

Amount Added: 1.00

Units: mL

Report Date: 08-Jul-2020 19:09:21

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0354.D

Injection Date: 08-Jul-2020 09:53:30

Instrument ID:

HP19760

Operator ID: em10340

Lims ID: ICL7

Client ID:

Injection Vol. 10 μ l

Dil Factor:

1,000

Method: MSSemi HP19760

Limit Group:

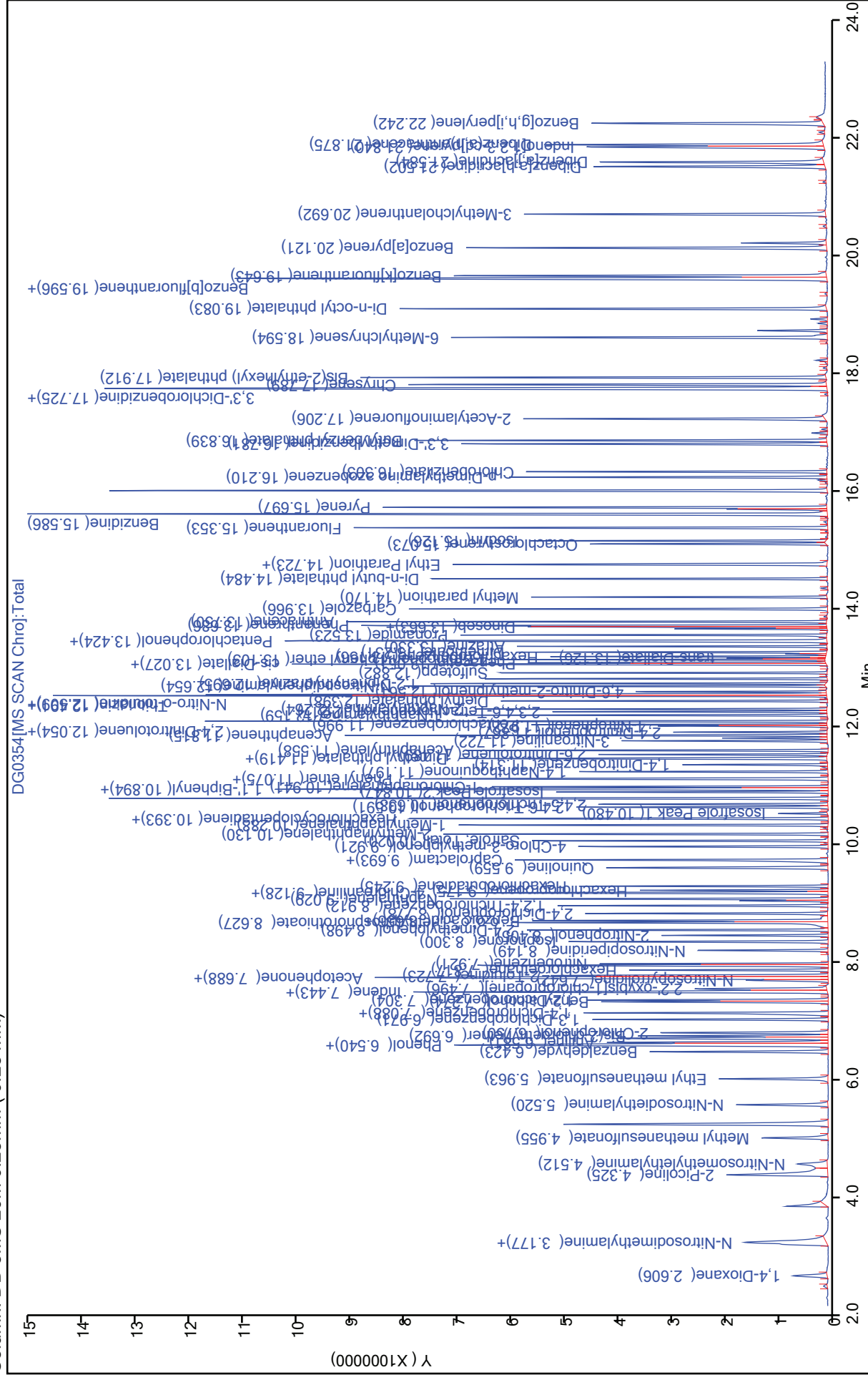
MSSV - 8270D FIV

Worklist Smp#: 5

5

Al S Bottle# 5

5.



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0355.D
 Lims ID: IC L6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 08-Jul-2020 10:22:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: IC L6
 Misc. Info.: 410-0005043-006
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:09:30 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 14:42:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.600	2.588	0.012	96	565805	12.5	12.2	
2 N-Nitrosodimethylamine	74	3.142	3.130	0.012	92	910825	12.5	12.3	
3 Pyridine	79	3.171	3.165	0.006	97	1497877	12.5	11.9	
4 2-Picoline	93	4.325	4.319	0.006	91	1602830	12.5	12.4	
5 N-Nitrosomethylethylamine	88	4.511	4.506	0.005	84	685472	12.5	12.5	
7 Methyl methanesulfonate	80	4.954	4.949	0.005	85	720307	12.5	12.2	
\$ 8 2-Fluorophenol	112	5.188	5.182	0.006	94	2538629	25.0	24.7	
9 N-Nitrosodiethylamine	102	5.520	5.514	0.006	92	660515	12.5	12.8	
10 Ethyl methanesulfonate	109	5.963	5.957	0.006	98	666750	12.5	12.6	
12 Benzaldehyde	77	6.423	6.417	0.006	97	1096572	12.5	13.6	
\$ 13 Phenol-d5	99	6.534	6.528	0.006	98	3443419	25.0	24.5	
14 Phenol	94	6.551	6.546	0.005	93	1896150	12.5	12.5	
15 Aniline	93	6.581	6.575	0.006	97	2253849	12.5	12.4	
16 Bis(2-chloroethyl)ether	93	6.691	6.686	0.005	97	1424596	12.5	12.3	
17 2-Chlorophenol	128	6.744	6.744	0.000	93	1153587	12.5	12.5	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	95	1208374	12.5	12.3	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	295509	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.088	7.082	0.006	91	1230512	12.5	12.3	
21 Benzyl alcohol	108	7.274	7.268	0.006	91	838025	12.5	12.7	
22 1,2-Dichlorobenzene	146	7.303	7.303	0.000	94	1152520	12.5	12.3	
24 Indene	115	7.437	7.437	0.000	89	1827289	12.5	12.4	
23 2-Methylphenol	108	7.443	7.443	0.000	94	1183853	12.5	12.6	
25 2,2'-oxybis[1-chloropropane]	45	7.496	7.490	0.006	95	1520673	12.5	12.2	
26 N-Nitrosopyrrolidine	100	7.636	7.630	0.006	93	691463	12.5	12.9	
27 Acetophenone	105	7.671	7.665	0.006	97	1809204	12.5	13.1	
28 4-Methylphenol	108	7.688	7.676	0.012	94	1253394	12.5	12.5	
29 N-Nitrosodi-n-propylamine	70	7.694	7.682	0.012	75	1015448	12.5	12.5	
30 N-Nitrosomorpholine	56	7.706	7.694	0.012	93	820624	12.5	12.1	
31 2-Toluidine	106	7.723	7.717	0.006	94	2005134	12.5	12.4	
32 Hexachloroethane	117	7.816	7.811	0.005	96	540037	12.5	12.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.892	7.886	0.006	88	2876443	25.0	24.7	
34 Nitrobenzene	77	7.921	7.915	0.006	85	1472578	12.5	12.3	
35 N-Nitrosopiperidine	114	8.149	8.143	0.006	89	615769	12.5	12.7	
36 Isophorone	82	8.294	8.294	0.000	97	2707755	12.5	12.5	
37 2-Nitrophenol	139	8.405	8.405	0.000	91	622524	12.5	12.6	
38 2,4-Dimethylphenol	107	8.498	8.492	0.006	97	1276936	12.5	12.6	
39 o,o',o"-Triethylphosphorothioat	198	8.626	8.621	0.005	90	560559	12.5	12.5	
40 Benzoic acid	105	8.661	8.644	0.017	76	933434	12.5	13.2	
41 Bis(2-chloroethoxy)methane	93	8.656	8.656	0.000	98	1650053	12.5	12.2	
42 2,4-Dichlorophenol	162	8.778	8.778	0.000	97	934359	12.5	12.6	
43 1,2,4-Trichlorobenzene	180	8.912	8.912	0.000	93	970888	12.5	12.3	
* 44 Naphthalene-d8	136	8.994	8.994	0.000	100	1163812	5.00	5.00	
45 Naphthalene	128	9.029	9.029	0.000	98	3239778	12.5	12.2	
46 4-Chloroaniline	127	9.128	9.122	0.006	95	1358375	12.5	12.5	
47 2,6-Dichlorophenol	162	9.134	9.134	0.000	94	868440	12.5	12.4	
48 Hexachloropropene	213	9.174	9.174	0.000	90	603085	12.5	12.5	
49 Hexachlorobutadiene	225	9.244	9.244	0.000	97	525276	12.5	12.6	
50 Quinoline	129	9.559	9.553	0.006	95	2133957	12.5	12.3	
S 51 Diallate	86				0		12.5	12.5	
52 Caprolactam	113	9.681	9.658	0.023	78	407454	12.5	13.5	
53 N-Nitrosodi-n-butylamine	84	9.693	9.693	0.000	93	1166636	12.5	13.9	
54 4-Chloro-3-methylphenol	107	9.920	9.909	0.011	94	1086821	12.5	12.6	
55 Safrole, Total	162	10.020	10.014	0.006	86	835042	12.5	12.4	
56 2-Methylnaphthalene	142	10.130	10.130	0.000	92	2139080	12.5	12.5	
57 1-Methylnaphthalene	142	10.288	10.282	0.006	93	1997843	12.5	12.4	
58 Hexachlorocyclopentadiene	237	10.393	10.393	0.000	97	573500	12.5	12.5	
59 1,2,4,5-Tetrachlorobenzene	216	10.398	10.398	0.000	98	890964	12.5	12.2	
60 Isosafrole Peak 1	162	10.486	10.480	0.006	87	149331	2.00	2.01	
61 2,4,6-Trichlorophenol	196	10.591	10.585	0.006	94	646820	12.5	13.0	
62 2,4,5-Trichlorophenol	196	10.637	10.637	0.000	90	671379	12.5	12.7	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.742	10.736	0.006	99	4220294	25.0	24.1	
64 Isosafrole Peak 2	162	10.847	10.847	0.000	88	834347	10.5	10.4	
65 1,1'-Biphenyl	154	10.894	10.888	0.006	96	2573998	12.5	12.0	
66 2-Chloronaphthalene	162	10.905	10.906	-0.001	98	1991904	12.5	12.4	
67 1-Chloronaphthalene	162	10.940	10.935	0.005	97	1807232	12.5	12.2	
68 Phenyl ether	170	11.074	11.069	0.005	87	1327617	12.5	12.6	
69 2-Nitroaniline	138	11.080	11.075	0.005	77	694113	12.5	13.0	
70 1,4-Naphthoquinone	158	11.197	11.191	0.006	81	852545	12.5	12.7	
71 1,4-Dinitrobenzene	168	11.313	11.314	-0.001	88	360151	12.5	12.8	
72 Dimethyl phthalate	163	11.413	11.413	0.000	96	2171812	12.5	12.1	
73 1,3-Dinitrobenzene	168	11.430	11.424	0.006	84	395097	12.5	12.5	
74 2,6-Dinitrotoluene	165	11.488	11.483	0.005	91	534096	12.5	12.8	
75 Acenaphthylene	152	11.558	11.558	0.000	99	2795685	12.5	12.4	
76 3-Nitroaniline	138	11.721	11.716	0.005	87	593751	12.5	12.9	
* 77 Acenaphthene-d10	164	11.768	11.768	0.000	96	585463	5.00	5.00	
78 Acenaphthene	153	11.815	11.815	0.000	96	2004659	12.5	12.2	
79 2,4-Dinitrophenol	184	11.867	11.867	0.000	84	375419	12.5	12.8	
80 4-Nitrophenol	109	11.972	11.966	0.006	83	426538	12.5	13.1	
81 Pentachlorobenzene	250	11.995	11.995	0.000	97	721614	12.5	12.0	
83 Dibenzofuran	168	12.054	12.054	0.000	94	2586550	12.5	11.9	
82 2,4-Dinitrotoluene	165	12.054	12.054	0.000	66	722334	12.5	12.6	
84 1-Naphthylamine	143	12.159	12.153	0.006	98	2048137	12.5	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.217	12.217	0.000	77	516025	12.5	12.5	
86 2-Naphthylamine	143	12.258	12.258	0.000	95	2001333	12.5	12.6	
87 Diethyl phthalate	149	12.398	12.398	0.000	97	2156385	12.5	12.3	
88 Thionazin	107	12.491	12.485	0.006	78	479224	12.5	12.6	
89 Fluorene	166	12.485	12.485	0.000	94	2107675	12.5	12.2	
91 4-Chlorophenyl phenyl ether	204	12.508	12.508	0.000	91	1012320	12.5	11.9	
90 N-Nitro-o-toluidine	152	12.508	12.508	0.000	85	634219	12.5	12.7	
92 4-Nitroaniline	138	12.520	12.514	0.006	80	617017	12.5	12.4	
93 4,6-Dinitro-2-methylphenol	198	12.555	12.555	0.000	82	474773	12.5	12.8	
94 N-Nitrosodiphenylamine	169	12.648	12.648	0.000	63	1836893	12.5	12.6	
95 1,2-Diphenylhydrazine	77	12.695	12.695	0.000	99	2838130	12.5	12.5	
\$ 96 2,4,6-Tribromophenol	330	12.776	12.777	-0.001	83	490231	25.0	24.7	
97 Sulfotepp	97	12.876	12.876	0.000	80	464546	12.5	12.6	
98 cis-Diallate	86	13.021	13.021	0.000	89	947201	9.25	9.30	
99 Phorate	75	13.027	13.027	0.000	96	1746195	12.5	13.0	
100 Phenacetin	108	13.050	13.045	0.005	92	1324209	12.5	12.7	
101 4-Bromophenyl phenyl ether	248	13.103	13.103	0.000	71	558743	12.5	12.4	
102 trans-Diallate	86	13.126	13.126	0.000	98	330736	3.25	3.25	
103 Hexachlorobenzene	284	13.155	13.155	0.000	91	555152	12.5	12.3	
104 Dimethoate	87	13.231	13.225	0.006	97	1240311	12.5	12.7	
105 Atrazine	200	13.330	13.324	0.006	91	607347	12.5	12.8	
106 Pentachlorophenol	266	13.412	13.412	0.000	90	448777	12.5	12.8	
108 4-Aminobiphenyl	169	13.423	13.423	0.000	91	2042463	12.5	12.7	
107 Pentachloronitrobenzene	237	13.429	13.429	0.000	83	267383	12.5	12.5	
109 Pronamide	173	13.523	13.523	0.000	90	1022187	12.5	12.6	
* 110 Phenanthrene-d10	188	13.651	13.651	0.000	97	1101714	5.00	5.00	
111 Dinoseb	211	13.662	13.662	0.000	95	643099	12.5	13.6	
112 Phenanthrene	178	13.686	13.680	0.006	98	3174955	12.5	12.1	
113 Anthracene	178	13.750	13.750	0.000	99	3317032	12.5	12.7	
114 Carbazole	167	13.965	13.966	-0.001	96	3058514	12.5	12.7	
115 Methyl parathion	109	14.170	14.170	0.000	91	973496	12.5	13.1	
116 Di-n-butyl phthalate	149	14.478	14.478	0.000	100	3868157	12.5	12.5	
117 Ethyl Parathion	109	14.723	14.723	0.000	84	571208	12.5	13.2	
118 4-Nitroquinoline-1-oxide	190	14.735	14.735	0.000	96	405973	12.5	13.6	
119 Octachlorostyrene	308	15.079	15.079	0.000	91	229459	12.5	12.4	
120 Isodrin	193	15.131	15.131	0.000	92	398154	12.5	12.7	
121 Fluoranthene	202	15.353	15.347	0.006	99	3750468	12.5	12.8	
122 Benzidine	184	15.586	15.580	0.006	99	6900609	37.5	37.8	
* 123 Pyrene-d10 (IS)	212	15.667	15.668	-0.001	99	1119841	5.00	5.00	
124 Pyrene	202	15.697	15.697	0.000	96	3799298	12.5	12.3	
\$ 125 p-Terphenyl-d14	244	15.982	15.982	0.000	99	4510620	25.0	24.4	
126 p-Dimethylamino azobenzene	225	16.215	16.215	0.000	93	724526	12.5	13.0	
127 Chlorobenzilate	139	16.303	16.303	0.000	86	1198198	12.5	12.9	
128 3,3'-Dimethylbenzidine	212	16.781	16.775	0.006	99	2590766	12.5	13.3	
129 Butyl benzyl phthalate	149	16.839	16.839	0.000	95	1795524	12.5	12.7	
130 2-Acetylaminofluorene	181	17.206	17.200	0.006	95	1558658	12.5	13.9	
131 3,3'-Dichlorobenzidine	252	17.713	17.713	0.000	77	1334860	12.5	13.0	
132 Benzo[a]anthracene	228	17.725	17.725	0.000	100	3402221	12.5	13.5	
133 4,4'-Methylene bis(2-chloroani	231	17.731	17.731	0.000	93	714333	12.5	12.8	
134 Chrysene	228	17.789	17.789	0.000	97	3313338	12.5	12.4	
135 Bis(2-ethylhexyl) phthalate	149	17.911	17.912	-0.001	97	2527671	12.5	12.9	
136 6-Methylchrysene	242	18.593	18.593	0.000	99	2388675	12.5	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.083	19.083	0.000	99	4319153	12.5	13.3	
138 Benzo[b]fluoranthene	252	19.590	19.584	0.006	98	3440151	12.5	13.4	
139 7,12-Dimethylbenz(a)anthracene	256	19.596	19.590	0.006	92	1585230	12.5	13.3	
140 Benzo[k]fluoranthene	252	19.643	19.637	0.006	99	3255234	12.5	12.6	
141 Benzo[a]pyrene	252	20.121	20.115	0.006	80	3139840	12.5	13.4	
* 142 Perylene-d12	264	20.202	20.202	0.000	97	1006773	5.00	5.00	
143 3-Methylcholanthrene	268	20.692	20.692	0.000	93	1561089	12.5	13.7	
144 Dibenz[a,h]acridine	279	21.508	21.502	0.006	92	2076690	12.5	13.0	
145 Dibenz[a,j]acridine	279	21.578	21.572	0.006	95	2224377	12.5	12.9	
146 Indeno[1,2,3-cd]pyrene	276	21.840	21.828	0.012	97	2448860	12.5	14.1	
147 Dibenz(a,h)anthracene	278	21.881	21.869	0.012	94	2577780	12.5	13.9	
148 Benzo[g,h,i]perylene	276	22.242	22.236	0.006	95	2470516	12.5	13.1	
S 152 Dinitrotoluene	165				0		25.0	25.4	
S 170 Isosafrole	162				0		12.5	12.4	

Reagents:

MSS_RV8270_6_00005

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0355.D

Injection Date: 08-Jul-2020 10:22:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: IC L6

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

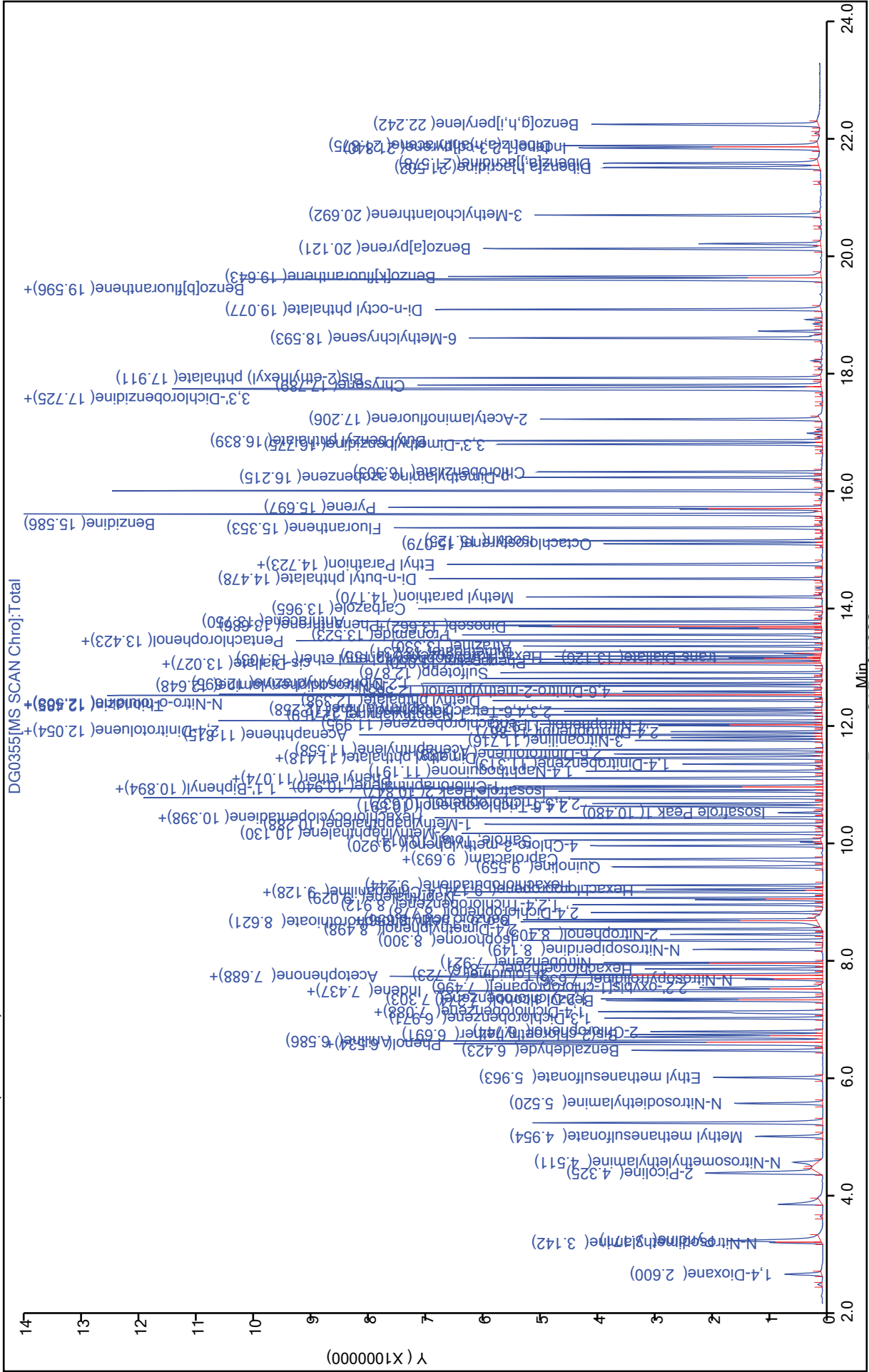
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0356.D
 Lims ID: IC L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 08-Jul-2020 10:51:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: IC L4
 Misc. Info.: 410-0005043-007
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:09:40 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 14:43:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.600	2.588	0.012	97	127856	3.75	3.42	
2 N-Nitrosodimethylamine	74	3.142	3.130	0.012	93	206584	3.75	3.45	
3 Pyridine	79	3.183	3.165	0.018	97	353537	3.75	3.49	
4 2-Picoline	93	4.325	4.319	0.006	91	363022	3.75	3.46	
5 N-Nitrosomethylethylamine	88	4.512	4.506	0.006	90	153371	3.75	3.47	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	86	175033	3.75	3.68	
\$ 8 2-Fluorophenol	112	5.182	5.182	0.000	93	591852	7.50	7.12	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	96	151487	3.75	3.62	
10 Ethyl methanesulfonate	109	5.951	5.957	-0.006	98	158823	3.75	3.70	
12 Benzaldehyde	77	6.418	6.417	0.001	96	245672	3.75	3.77	
\$ 13 Phenol-d5	99	6.523	6.528	-0.005	98	837752	7.50	7.39	
14 Phenol	94	6.540	6.546	-0.006	93	423298	3.75	3.45	
15 Aniline	93	6.575	6.575	0.000	96	539074	3.75	3.68	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	97	342360	3.75	3.67	
17 2-Chlorophenol	128	6.738	6.744	-0.006	93	277697	3.75	3.72	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	95	296317	3.75	3.75	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	238759	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	93	300741	3.75	3.73	
21 Benzyl alcohol	108	7.263	7.268	-0.005	91	189668	3.75	3.56	
22 1,2-Dichlorobenzene	146	7.304	7.303	0.001	94	288867	3.75	3.81	
24 Indene	115	7.438	7.437	0.001	87	440026	3.75	3.71	
23 2-Methylphenol	108	7.438	7.443	-0.005	74	281495	3.75	3.71	
25 2,2'-oxybis[1-chloropropane]	45	7.484	7.490	-0.006	95	408166	3.75	4.04	
26 N-Nitrosopyrrolidine	100	7.618	7.630	-0.012	94	156873	3.75	3.61	
27 Acetophenone	105	7.659	7.665	-0.006	91	411045	3.75	3.68	
28 4-Methylphenol	108	7.671	7.676	-0.005	93	298752	3.75	3.68	
29 N-Nitrosodi-n-propylamine	70	7.677	7.682	-0.005	83	240450	3.75	3.67	
30 N-Nitrosomorpholine	56	7.688	7.694	-0.006	92	209137	3.75	3.81	
31 2-Toluidine	106	7.712	7.717	-0.005	94	481087	3.75	3.69	
32 Hexachloroethane	117	7.811	7.811	0.000	96	134953	3.75	3.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	89	710247	7.50	7.79	
34 Nitrobenzene	77	7.910	7.915	-0.005	88	367955	3.75	3.93	
35 N-Nitrosopiperidine	114	8.143	8.143	0.000	84	145018	3.75	3.84	
36 Isophorone	82	8.289	8.294	-0.005	97	645314	3.75	3.82	
37 2-Nitrophenol	139	8.399	8.405	-0.006	91	144146	3.75	3.74	
38 2,4-Dimethylphenol	107	8.493	8.492	0.001	97	300223	3.75	3.79	
39 o,o',o"-Triethylphosphorothioat	198	8.615	8.621	-0.006	92	136318	3.75	3.88	
40 Benzoic acid	105	8.609	8.644	-0.035	89	381960	7.50	6.91	
41 Bis(2-chloroethoxy)methane	93	8.650	8.656	-0.006	99	395395	3.75	3.74	
42 2,4-Dichlorophenol	162	8.772	8.778	-0.006	97	224411	3.75	3.88	
43 1,2,4-Trichlorobenzene	180	8.906	8.912	-0.006	92	242528	3.75	3.94	
* 44 Naphthalene-d8	136	8.994	8.994	0.000	100	909868	5.00	5.00	
45 Naphthalene	128	9.023	9.029	-0.006	98	799841	3.75	3.86	
46 4-Chloroaniline	127	9.122	9.122	0.000	94	324031	3.75	3.81	
47 2,6-Dichlorophenol	162	9.128	9.134	-0.006	93	211772	3.75	3.87	
48 Hexachloropropene	213	9.175	9.174	0.001	89	144554	3.75	3.83	
49 Hexachlorobutadiene	225	9.245	9.244	0.000	97	128421	3.75	3.94	
50 Quinoline	129	9.548	9.553	-0.005	95	505038	3.75	3.73	
S 51 Diallate	86				0		3.75	3.73	
52 Caprolactam	113	9.629	9.658	-0.029	81	85288	3.75	3.62	
53 N-Nitrosodi-n-butylamine	84	9.687	9.693	-0.006	95	213234	3.75	3.25	
54 4-Chloro-3-methylphenol	107	9.903	9.909	-0.006	94	250996	3.75	3.73	
55 Safrole, Total	162	10.014	10.014	0.000	86	199426	3.75	3.78	
56 2-Methylnaphthalene	142	10.130	10.130	0.000	92	519626	3.75	3.88	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	93	488543	3.75	3.86	
58 Hexachlorocyclopentadiene	237	10.393	10.393	0.000	96	135371	3.75	3.79	
59 1,2,4,5-Tetrachlorobenzene	216	10.393	10.398	-0.005	98	222538	3.75	3.90	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	87	35077	0.6000	0.6043	
61 2,4,6-Trichlorophenol	196	10.585	10.585	0.000	94	146390	3.75	3.76	
62 2,4,5-Trichlorophenol	196	10.632	10.637	-0.005	90	154911	3.75	3.74	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.737	10.736	0.001	100	1099719	7.50	8.03	
64 Isosafrole Peak 2	162	10.842	10.847	-0.005	88	201708	3.15	3.23	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	95	622225	3.75	3.72	
66 2-Chloronaphthalene	162	10.900	10.906	-0.006	98	493945	3.75	3.92	
67 1-Chloronaphthalene	162	10.935	10.935	0.000	99	445169	3.75	3.84	
68 Phenyl ether	170	11.069	11.069	0.000	87	348280	3.75	3.99	
69 2-Nitroaniline	138	11.069	11.075	-0.006	76	160673	3.75	3.84	
70 1,4-Naphthoquinone	158	11.185	11.191	-0.006	82	199485	3.75	3.80	
71 1,4-Dinitrobenzene	168	11.308	11.314	-0.006	88	78319	3.75	3.56	
72 Dimethyl phthalate	163	11.407	11.413	-0.006	97	533789	3.75	3.82	
73 1,3-Dinitrobenzene	168	11.419	11.424	-0.005	82	92321	3.75	3.74	
74 2,6-Dinitrotoluene	165	11.477	11.483	-0.006	89	128225	3.75	3.92	
75 Acenaphthylene	152	11.553	11.558	-0.005	99	688090	3.75	3.92	
76 3-Nitroaniline	138	11.710	11.716	-0.006	88	134397	3.75	3.75	
* 77 Acenaphthene-d10	164	11.762	11.768	-0.006	97	457122	5.00	5.00	
78 Acenaphthene	153	11.809	11.815	-0.006	95	496790	3.75	3.87	
79 2,4-Dinitrophenol	184	11.862	11.867	-0.005	83	150748	7.50	6.59	
80 4-Nitrophenol	109	11.955	11.966	-0.011	83	85394	3.75	3.37	
81 Pentachlorobenzene	250	11.990	11.995	-0.005	96	178870	3.75	3.81	
83 Dibenzofuran	168	12.048	12.054	-0.006	96	664225	3.75	3.92	
82 2,4-Dinitrotoluene	165	12.042	12.054	-0.012	88	161917	3.75	3.63	
84 1-Naphthylamine	143	12.147	12.153	-0.006	99	475173	3.75	3.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.211	12.217	-0.006	77	120931	3.75	3.74	
86 2-Naphthylamine	143	12.252	12.258	-0.006	95	461408	3.75	3.71	
87 Diethyl phthalate	149	12.386	12.398	-0.012	97	505790	3.75	3.70	
88 Thionazin	107	12.479	12.485	-0.006	69	108634	3.75	3.65	
89 Fluorene	166	12.479	12.485	-0.006	94	533377	3.75	3.95	
91 4-Chlorophenyl phenyl ether	204	12.503	12.508	-0.005	84	255303	3.75	3.86	
90 N-Nitro-o-toluidine	152	12.497	12.508	-0.011	65	151255	3.75	3.86	
92 4-Nitroaniline	138	12.503	12.514	-0.011	77	152538	3.75	3.93	
93 4,6-Dinitro-2-methylphenol	198	12.544	12.555	-0.011	78	96397	3.75	3.46	
94 N-Nitrosodiphenylamine	169	12.643	12.648	-0.005	84	442122	3.75	4.02	
95 1,2-Diphenylhydrazine	77	12.689	12.695	-0.006	99	678667	3.75	3.98	
\$ 96 2,4,6-Tribromophenol	330	12.771	12.777	-0.006	81	112608	7.50	7.28	
97 Sulfotepp	97	12.876	12.876	0.000	79	108336	3.75	3.89	
98 cis-Diallate	86	13.016	13.021	-0.005	91	208857	2.78	2.73	
99 Phorate	75	13.021	13.027	-0.006	95	390878	3.75	3.88	
100 Phenacetin	108	13.033	13.045	-0.012	89	296524	3.75	3.78	
101 4-Bromophenyl phenyl ether	248	13.097	13.103	-0.006	72	131004	3.75	3.87	
102 trans-Diallate	86	13.121	13.126	-0.005	98	76434	0.9750	1.00	
103 Hexachlorobenzene	284	13.156	13.155	0.001	91	132248	3.75	3.88	
104 Dimethoate	87	13.214	13.225	-0.011	97	277293	3.75	3.78	
105 Atrazine	200	13.319	13.324	-0.005	90	150479	3.75	4.23	
106 Pentachlorophenol	266	13.406	13.412	-0.006	90	99673	3.75	3.78	
108 4-Aminobiphenyl	169	13.418	13.423	-0.005	90	502715	3.75	4.17	
107 Pentachloronitrobenzene	237	13.424	13.429	-0.005	72	62593	3.75	3.88	
109 Pronamide	173	13.517	13.523	-0.006	90	235613	3.75	3.86	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	98	828156	5.00	5.00	
111 Dinoseb	211	13.657	13.662	-0.005	94	123172	3.75	3.48	
112 Phenanthrene	178	13.674	13.680	-0.006	98	774478	3.75	3.94	
113 Anthracene	178	13.744	13.750	-0.006	98	797751	3.75	4.07	
114 Carbazole	167	13.960	13.966	-0.006	96	719295	3.75	3.98	
115 Methyl parathion	109	14.164	14.170	-0.006	91	207708	3.75	3.73	
116 Di-n-butyl phthalate	149	14.479	14.478	0.001	100	894274	3.75	3.86	
117 Ethyl Parathion	109	14.718	14.723	-0.005	83	118638	3.75	3.66	
118 4-Nitroquinoline-1-oxide	190	14.729	14.735	-0.006	78	59818	3.75	2.67	
119 Octachlorostyrene	308	15.073	15.079	-0.006	88	51554	3.75	3.71	
120 Isodrin	193	15.126	15.131	-0.005	88	92485	3.75	3.92	
121 Fluoranthene	202	15.341	15.347	-0.006	99	873851	3.75	3.95	
122 Benzidine	184	15.569	15.580	-0.011	99	1671655	11.3	11.9	
* 123 Pyrene-d10 (IS)	212	15.662	15.668	-0.006	99	858212	5.00	5.00	
124 Pyrene	202	15.691	15.697	-0.006	97	910029	3.75	3.85	
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.005	99	1109642	7.50	7.84	
126 p-Dimethylamino azobenzene	225	16.210	16.215	-0.005	93	154658	3.75	3.62	
127 Chlorobenzilate	139	16.303	16.303	0.000	85	267743	3.75	3.76	
128 3,3'-Dimethylbenzidine	212	16.769	16.775	-0.006	99	525244	3.75	3.51	
129 Butyl benzyl phthalate	149	16.833	16.839	-0.006	94	398791	3.75	3.69	
130 2-Acetylaminofluorene	181	17.189	17.200	-0.011	96	287960	3.75	3.35	
131 3,3'-Dichlorobenzidine	252	17.702	17.713	-0.011	74	280332	3.75	3.57	
132 Benzo[a]anthracene	228	17.714	17.725	-0.011	100	764215	3.75	3.95	
133 4,4'-Methylene bis(2-chloroani	231	17.725	17.731	-0.006	95	151814	3.75	3.56	
134 Chrysene	228	17.778	17.789	-0.011	98	784362	3.75	3.84	
135 Bis(2-ethylhexyl) phthalate	149	17.906	17.912	-0.006	97	552053	3.75	3.68	
136 6-Methylchrysene	242	18.582	18.593	-0.011	99	520599	3.75	3.55	

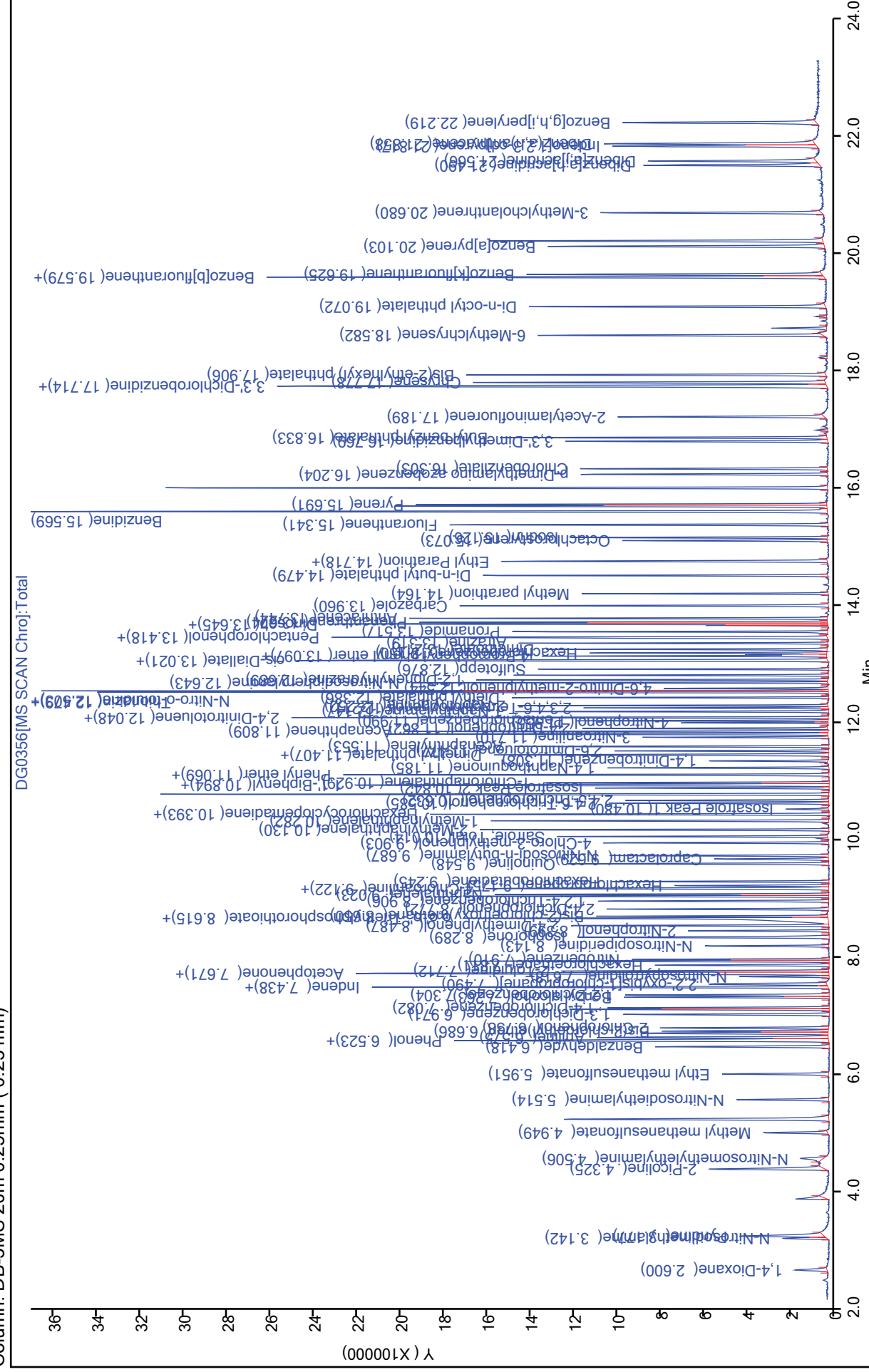
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.072	19.083	-0.011	100	888040	3.75	3.61	
138 Benzo[b]fluoranthene	252	19.579	19.584	-0.005	98	740934	3.75	3.82	
139 7,12-Dimethylbenz(a)anthracene	256	19.579	19.590	-0.011	92	340837	3.75	3.80	
140 Benzo[k]fluoranthene	252	19.625	19.637	-0.012	99	758420	3.75	3.90	
141 Benzo[a]pyrene	252	20.103	20.115	-0.012	79	687998	3.75	3.88	
* 142 Perylene-d12	264	20.197	20.202	-0.006	97	759306	5.00	5.00	
143 3-Methylcholanthrene	268	20.680	20.692	-0.012	93	321268	3.75	3.73	
144 Dibenz[a,h]acridine	279	21.490	21.502	-0.012	92	423627	3.75	3.52	
145 Dibenz[a,j]acridine	279	21.566	21.572	-0.006	95	479138	3.75	3.69	
146 Indeno[1,2,3-cd]pyrene	276	21.817	21.828	-0.011	97	525429	3.75	4.01	
147 Dibenz(a,h)anthracene	278	21.864	21.869	-0.005	96	564323	3.75	4.04	
148 Benzo[g,h,i]perylene	276	22.219	22.236	-0.017	95	579928	3.75	4.08	
S 152 Dinitrotoluene	165				0		7.50	7.55	
S 170 Isosafrole	162				0		3.75	3.83	

Reagents:

MSS_RV8270_4_00005

Amount Added: 1.00

Units: mL



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0357.D
 Lims ID: IC L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 08-Jul-2020 11:19:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: IC L3
 Misc. Info.: 410-0005043-008
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:09:49 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 14:45:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.600	2.588	0.012	97	48854	1.25	1.21	
2 N-Nitrosodimethylamine	74	3.142	3.130	0.012	87	82117	1.25	1.27	
3 Pyridine	79	3.189	3.165	0.024	99	143146	1.25	1.31	
4 2-Picoline	93	4.325	4.319	0.006	91	142215	1.25	1.26	
5 N-Nitrosomethylethylamine	88	4.512	4.506	0.006	86	60110	1.25	1.26	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	85	66441	1.25	1.30	
\$ 8 2-Fluorophenol	112	5.176	5.182	-0.006	94	233318	2.50	2.60	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	92	58746	1.25	1.30	
10 Ethyl methanesulfonate	109	5.951	5.957	-0.006	98	61890	1.25	1.34	
12 Benzaldehyde	77	6.418	6.417	0.001	96	78744	1.25	1.12	
\$ 13 Phenol-d5	99	6.517	6.528	-0.011	98	322824	2.50	2.64	
14 Phenol	94	6.534	6.546	-0.012	93	181485	1.25	1.37	
15 Aniline	93	6.575	6.575	0.000	97	209599	1.25	1.33	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	97	136179	1.25	1.35	
17 2-Chlorophenol	128	6.738	6.744	-0.006	93	109254	1.25	1.36	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	95	115592	1.25	1.36	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	257392	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	93	119507	1.25	1.38	
21 Benzyl alcohol	108	7.263	7.268	-0.005	92	69678	1.25	1.21	
22 1,2-Dichlorobenzene	146	7.298	7.303	-0.005	94	112103	1.25	1.37	
24 Indene	115	7.438	7.437	0.001	88	156768	1.25	1.23	
23 2-Methylphenol	108	7.438	7.443	-0.005	79	111475	1.25	1.36	
25 2,2'-oxybis[1-chloropropane]	45	7.490	7.490	0.000	94	146233	1.25	1.34	
26 N-Nitrosopyrrolidine	100	7.612	7.630	-0.018	94	61614	1.25	1.32	
27 Acetophenone	105	7.659	7.665	-0.006	93	137477	1.25	1.14	
28 4-Methylphenol	108	7.671	7.676	-0.005	93	119292	1.25	1.36	
29 N-Nitrosodi-n-propylamine	70	7.677	7.682	-0.005	78	96002	1.25	1.36	
30 N-Nitrosomorpholine	56	7.682	7.694	-0.012	93	80624	1.25	1.36	
31 2-Toluidine	106	7.712	7.717	-0.005	95	192423	1.25	1.37	
32 Hexachloroethane	117	7.811	7.811	0.000	95	53814	1.25	1.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	87	276105	2.50	2.69	
34 Nitrobenzene	77	7.910	7.915	-0.005	85	143282	1.25	1.36	
35 N-Nitrosopiperidine	114	8.137	8.143	-0.006	88	57622	1.25	1.35	
36 Isophorone	82	8.289	8.294	-0.005	96	264768	1.25	1.39	
37 2-Nitrophenol	139	8.399	8.405	-0.006	90	53311	1.25	1.23	
38 2,4-Dimethylphenol	107	8.487	8.492	-0.005	96	122902	1.25	1.38	
39 o,o',o"-Triethylphosphorothioat	198	8.615	8.621	-0.006	86	53133	1.25	1.34	
40 Benzoic acid	105	8.580	8.644	-0.064	85	204364	3.75	3.28	
41 Bis(2-chloroethoxy)methane	93	8.650	8.656	-0.006	99	166631	1.25	1.40	
42 2,4-Dichlorophenol	162	8.772	8.778	-0.006	97	88831	1.25	1.36	
43 1,2,4-Trichlorobenzene	180	8.906	8.912	-0.006	94	93974	1.25	1.35	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	1024817	5.00	5.00	
45 Naphthalene	128	9.023	9.029	-0.006	98	324107	1.25	1.39	
46 4-Chloroaniline	127	9.116	9.122	-0.006	94	131880	1.25	1.38	
47 2,6-Dichlorophenol	162	9.128	9.134	-0.006	94	86157	1.25	1.40	
48 Hexachloropropene	213	9.175	9.174	0.001	89	54675	1.25	1.29	
49 Hexachlorobutadiene	225	9.245	9.244	0.000	97	50461	1.25	1.37	
50 Quinoline	129	9.548	9.553	-0.005	95	213284	1.25	1.40	
S 51 Diallate	86				0		1.25	1.31	
52 Caprolactam	113	9.612	9.658	-0.046	84	28166	1.25	1.06	
53 N-Nitrosodi-n-butylamine	84	9.682	9.693	-0.011	93	87572	1.25	1.18	
54 4-Chloro-3-methylphenol	107	9.903	9.909	-0.006	95	103682	1.25	1.37	
55 Safrole, Total	162	10.014	10.014	0.000	86	78436	1.25	1.32	
56 2-Methylnaphthalene	142	10.125	10.130	-0.005	92	210528	1.25	1.40	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	93	200741	1.25	1.41	
58 Hexachlorocyclopentadiene	237	10.387	10.393	-0.006	96	49339	1.25	1.17	
59 1,2,4,5-Tetrachlorobenzene	216	10.393	10.398	-0.005	98	92192	1.25	1.37	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	83	13714	0.2000	0.2001	
61 2,4,6-Trichlorophenol	196	10.585	10.585	0.000	94	59546	1.25	1.29	
62 2,4,5-Trichlorophenol	196	10.626	10.637	-0.011	91	66163	1.25	1.35	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.737	10.736	0.001	100	452647	2.50	2.80	
64 Isosafrole Peak 2	162	10.842	10.847	-0.005	89	79326	1.05	1.07	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	94	226608	1.25	1.15	
66 2-Chloronaphthalene	162	10.900	10.906	-0.006	97	213631	1.25	1.44	
67 1-Chloronaphthalene	162	10.929	10.935	-0.006	98	181468	1.25	1.33	
68 Phenyl ether	170	11.069	11.069	0.000	86	161304	1.25	1.36	
69 2-Nitroaniline	138	11.069	11.075	-0.006	76	64751	1.25	1.31	
70 1,4-Naphthoquinone	158	11.185	11.191	-0.006	81	73645	1.25	1.19	
71 1,4-Dinitrobenzene	168	11.302	11.314	-0.012	87	30550	1.25	1.18	
72 Dimethyl phthalate	163	11.401	11.413	-0.012	97	223139	1.25	1.35	
73 1,3-Dinitrobenzene	168	11.413	11.424	-0.011	84	35509	1.25	1.22	
74 2,6-Dinitrotoluene	165	11.477	11.483	-0.006	91	50961	1.25	1.32	
75 Acenaphthylene	152	11.553	11.558	-0.005	99	284793	1.25	1.37	
76 3-Nitroaniline	138	11.710	11.716	-0.006	87	53935	1.25	1.27	
* 77 Acenaphthene-d10	164	11.762	11.768	-0.006	97	539674	5.00	5.00	
78 Acenaphthene	153	11.809	11.815	-0.006	96	207636	1.25	1.37	
79 2,4-Dinitrophenol	184	11.862	11.867	-0.005	84	82979	3.75	3.07	
80 4-Nitrophenol	109	11.955	11.966	-0.011	83	59724	2.50	2.00	
81 Pentachlorobenzene	250	11.990	11.995	-0.005	97	76952	1.25	1.39	
83 Dibenzofuran	168	12.048	12.054	-0.006	97	280025	1.25	1.40	
82 2,4-Dinitrotoluene	165	12.042	12.054	-0.012	84	65999	1.25	1.25	
84 1-Naphthylamine	143	12.147	12.153	-0.006	98	192230	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.211	12.217	-0.006	76	47574	1.25	1.25	
86 2-Naphthylamine	143	12.252	12.258	-0.006	96	192527	1.25	1.31	
87 Diethyl phthalate	149	12.386	12.398	-0.012	97	205210	1.25	1.27	
88 Thionazin	107	12.479	12.485	-0.006	53	43903	1.25	1.25	
89 Fluorene	166	12.479	12.485	-0.006	94	220978	1.25	1.39	
91 4-Chlorophenyl phenyl ether	204	12.503	12.508	-0.005	92	110765	1.25	1.42	
90 N-Nitro-o-toluidine	152	12.497	12.508	-0.011	87	59449	1.25	1.29	
92 4-Nitroaniline	138	12.503	12.514	-0.011	78	62979	1.25	1.37	
93 4,6-Dinitro-2-methylphenol	198	12.544	12.555	-0.011	82	73174	2.50	2.18	
94 N-Nitrosodiphenylamine	169	12.643	12.648	-0.005	62	183613	1.25	1.39	
95 1,2-Diphenylhydrazine	77	12.689	12.695	-0.006	98	285325	1.25	1.39	
\$ 96 2,4,6-Tribromophenol	330	12.771	12.777	-0.006	84	48145	2.50	2.64	
97 Sulfotepp	97	12.870	12.876	-0.006	80	41033	1.25	1.22	
98 cis-Diallate	86	13.016	13.021	-0.005	94	90033	0.9250	0.9757	
99 Phorate	75	13.021	13.027	-0.006	96	159793	1.25	1.32	
100 Phenacetin	108	13.027	13.045	-0.018	91	115141	1.25	1.22	
101 4-Bromophenyl phenyl ether	248	13.097	13.103	-0.006	70	56628	1.25	1.39	
102 trans-Diallate	86	13.121	13.126	-0.005	96	30350	0.3250	0.3294	
103 Hexachlorobenzene	284	13.150	13.155	-0.005	91	55704	1.25	1.36	
104 Dimethoate	87	13.214	13.225	-0.011	96	106751	1.25	1.21	
105 Atrazine	200	13.319	13.324	-0.005	91	48572	1.25	1.13	
106 Pentachlorophenol	266	13.406	13.412	-0.006	90	37987	1.25	1.20	
108 4-Aminobiphenyl	169	13.418	13.423	-0.005	90	198085	1.25	1.36	
107 Pentachloronitrobenzene	237	13.418	13.429	-0.011	48	24845	1.25	1.28	a
109 Pronamide	173	13.517	13.523	-0.006	90	90316	1.25	1.23	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	997619	5.00	5.00	
111 Dinoseb	211	13.663	13.662	0.001	93	43998	1.25	1.03	
112 Phenanthrene	178	13.674	13.680	-0.006	98	329675	1.25	1.39	
113 Anthracene	178	13.744	13.750	-0.006	98	333603	1.25	1.41	
114 Carbazole	167	13.960	13.966	-0.006	96	299058	1.25	1.37	
115 Methyl parathion	109	14.164	14.170	-0.006	90	74837	1.25	1.12	
116 Di-n-butyl phthalate	149	14.479	14.478	0.001	100	358286	1.25	1.28	
117 Ethyl Parathion	109	14.718	14.723	-0.005	84	39960	1.25	1.02	
118 4-Nitroquinoline-1-oxide	190	14.723	14.735	-0.012	75	18559	1.25	0.6878	
119 Octachlorostyrene	308	15.073	15.079	-0.006	90	21081	1.25	1.26	
120 Isodrin	193	15.126	15.131	-0.005	90	38201	1.25	1.35	
121 Fluoranthene	202	15.341	15.347	-0.006	99	358961	1.25	1.35	
122 Benzidine	184	15.569	15.580	-0.011	100	630223	3.75	3.74	
* 123 Pyrene-d10 (IS)	212	15.662	15.668	-0.006	99	1032110	5.00	5.00	
124 Pyrene	202	15.691	15.697	-0.006	97	388856	1.25	1.37	
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.005	99	477523	2.50	2.81	
126 p-Dimethylamino azobenzene	225	16.210	16.215	-0.005	92	56826	1.25	1.11	
127 Chlorobenzilate	139	16.303	16.303	0.000	88	103646	1.25	1.21	
128 3,3'-Dimethylbenzidine	212	16.769	16.775	-0.006	99	197721	1.25	1.10	
129 Butyl benzyl phthalate	149	16.833	16.839	-0.006	96	158179	1.25	1.22	
130 2-Acetylaminofluorene	181	17.189	17.200	-0.011	94	93891	1.25	0.9080	
131 3,3'-Dichlorobenzidine	252	17.702	17.713	-0.011	74	110969	1.25	1.18	
132 Benzo[a]anthracene	228	17.714	17.725	-0.011	99	316666	1.25	1.36	
133 4,4'-Methylene bis(2-chloroani	231	17.725	17.731	-0.006	92	60010	1.25	1.17	
134 Chrysene	228	17.772	17.789	-0.017	98	341642	1.25	1.39	
135 Bis(2-ethylhexyl) phthalate	149	17.906	17.912	-0.006	97	209451	1.25	1.16	
136 6-Methylchrysene	242	18.582	18.593	-0.011	99	221786	1.25	1.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.072	19.083	-0.011	99	325236	1.25	1.05	
138 Benzo[b]fluoranthene	252	19.573	19.584	-0.011	98	311501	1.25	1.27	
139 7,12-Dimethylbenz(a)anthracene	256	19.579	19.590	-0.011	91	141756	1.25	1.25	
140 Benzo[k]fluoranthene	252	19.619	19.637	-0.018	99	338411	1.25	1.38	
141 Benzo[a]pyrene	252	20.103	20.115	-0.012	79	291263	1.25	1.30	
* 142 Perylene-d12	264	20.197	20.202	-0.005	96	957993	5.00	5.00	
143 3-Methylcholanthrene	268	20.674	20.692	-0.018	93	132234	1.25	1.22	
144 Dibenz[a,h]acridine	279	21.490	21.502	-0.012	92	176873	1.25	1.16	
145 Dibenz[a,j]acridine	279	21.560	21.572	-0.012	95	189341	1.25	1.16	
146 Indeno[1,2,3-cd]pyrene	276	21.817	21.828	-0.011	97	223098	1.25	1.35	
147 Dibenz(a,h)anthracene	278	21.858	21.869	-0.011	95	231984	1.25	1.32	
148 Benzo[g,h,i]perylene	276	22.213	22.236	-0.023	95	247065	1.25	1.38	
S 152 Dinitrotoluene	165				0		2.50	2.57	
S 170 Isosafrole	162				0		1.25	1.27	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_3_00005

Amount Added: 1.00

Units: mL

Report Date: 08-Jul-2020 19:09:50

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0357.D

Injection Date: 08-Jul-2020 11:19:30

Instrument ID: HP19760

Operator ID: en

Lims ID: IC L3

Worklist Smp#: 8

Client ID:

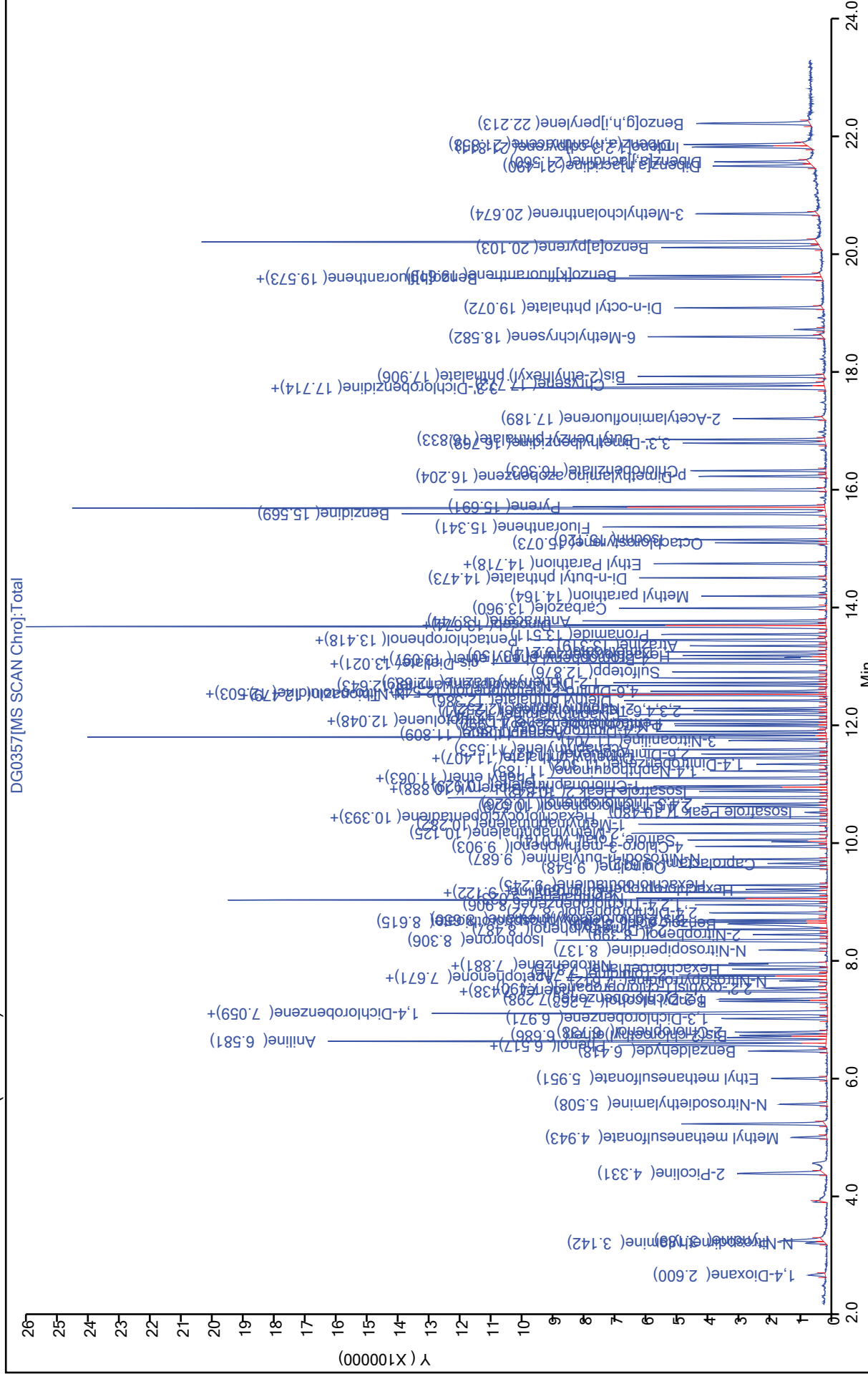
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi HP19760

Limit Group: MSSV - 8270D E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0357.D

Injection Date: 08-Jul-2020 11:19:30

Instrument ID: HP19760

Lims ID: IC L3

Client ID:

Operator ID: em10340

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

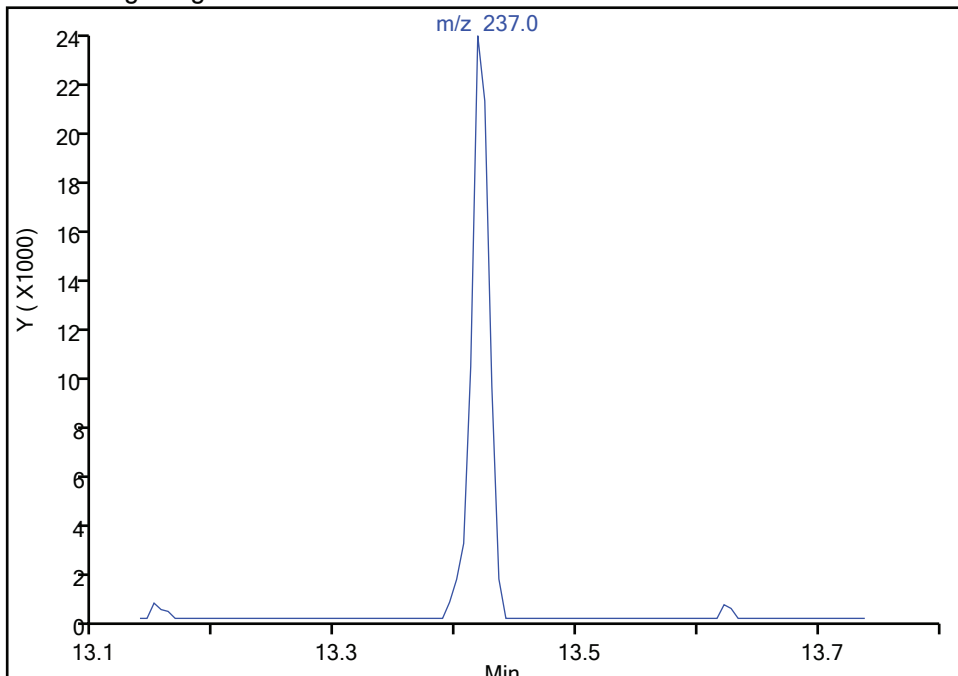
107 Pentachloronitrobenzene, CAS: 82-68-8

Signal: 1

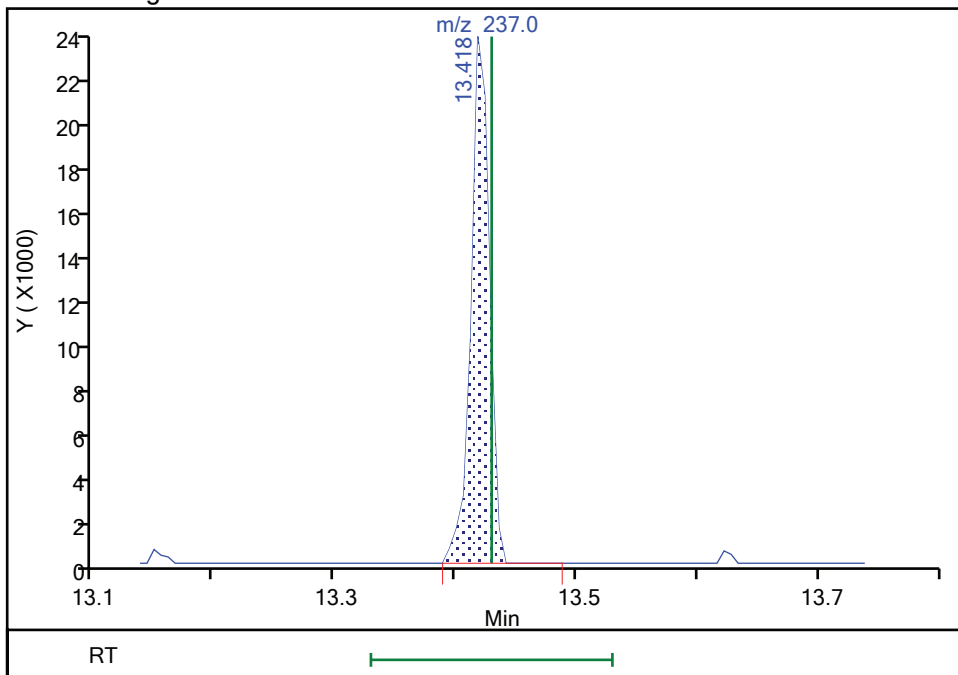
Not Detected

Expected RT: 13.43

Processing Integration Results



Manual Integration Results



RT: 13.42

Area: 24845

Amount: 1.277894

Amount Units: ug/ml

Reviewer: monbornee, 08-Jul-2020 14:44:44

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Lims ID: IC L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 08-Jul-2020 11:48:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: IC L2
 Misc. Info.: 410-0005043-009
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:09:59 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 14:46:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.617	2.588	0.029	88	8887	0.2500	0.2390	
2 N-Nitrosodimethylamine	74	3.171	3.130	0.041	95	12524	0.2500	0.2102	
3 Pyridine	79	3.224	3.165	0.059	98	25339	0.2500	0.2514	
4 2-Picoline	93	4.343	4.319	0.024	86	25350	0.2500	0.2431	
5 N-Nitrosomethylethylamine	88	4.517	4.506	0.011	81	11074	0.2500	0.2520	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	82	10130	0.2500	0.2143	
\$ 8 2-Fluorophenol	112	5.176	5.182	-0.006	93	36032	0.5000	0.4358	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	89	9272	0.2500	0.2229	
10 Ethyl methanesulfonate	109	5.951	5.957	-0.006	98	9542	0.2500	0.2237	
12 Benzaldehyde	77	6.418	6.417	0.001	94	18461	0.2500	0.2849	
\$ 13 Phenol-d5	99	6.517	6.528	-0.011	98	48764	0.5000	0.4326	
14 Phenol	94	6.534	6.546	-0.012	91	28193	0.2500	0.2308	
15 Aniline	93	6.575	6.575	0.000	97	33429	0.2500	0.2297	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	96	21922	0.2500	0.2360	
17 2-Chlorophenol	128	6.738	6.744	-0.006	93	16725	0.2500	0.2250	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	94	18814	0.2500	0.2391	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	237506	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	89	19418	0.2500	0.2423	
21 Benzyl alcohol	108	7.263	7.268	-0.005	91	11403	0.2500	0.2151	
22 1,2-Dichlorobenzene	146	7.304	7.303	0.001	90	17819	0.2500	0.2364	
24 Indene	115	7.438	7.437	0.001	91	27377	0.2500	0.2319	
23 2-Methylphenol	108	7.432	7.443	-0.011	91	15977	0.2500	0.2115	
25 2,2'-oxybis[1-chloropropane]	45	7.484	7.490	-0.006	96	22895	0.2500	0.2278	
26 N-Nitrosopyrrolidine	100	7.612	7.630	-0.018	94	9017	0.2500	0.2088	
27 Acetophenone	105	7.659	7.665	-0.006	89	26391	0.2500	0.2374	
28 4-Methylphenol	108	7.665	7.676	-0.011	94	17713	0.2500	0.2190	
29 N-Nitrosodi-n-propylamine	70	7.671	7.682	-0.011	80	14012	0.2500	0.2151	
30 N-Nitrosomorpholine	56	7.682	7.694	-0.012	91	12413	0.2500	0.2271	
31 2-Toluidine	106	7.706	7.717	-0.011	93	30615	0.2500	0.2359	
32 Hexachloroethane	117	7.811	7.811	0.000	95	8425	0.2500	0.2363	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	88	43909	0.5000	0.4676	
34 Nitrobenzene	77	7.910	7.915	-0.005	86	22820	0.2500	0.2366	
35 N-Nitrosopiperidine	114	8.137	8.143	-0.006	85	8335	0.2500	0.2142	
36 Isophorone	82	8.289	8.294	-0.005	96	39547	0.2500	0.2271	
37 2-Nitrophenol	139	8.399	8.405	-0.006	88	7566	0.2500	0.1906	
38 2,4-Dimethylphenol	107	8.487	8.492	-0.005	95	18182	0.2500	0.2230	
39 o,o',o"-Triethylphosphorothioat	198	8.615	8.621	-0.006	84	9023	0.2500	0.2496	
40 Benzoic acid	105	8.563	8.644	-0.081	85	87984	2.50	1.55	
41 Bis(2-chloroethoxy)methane	93	8.650	8.656	-0.006	97	26638	0.2500	0.2448	
42 2,4-Dichlorophenol	162	8.772	8.778	-0.006	96	13438	0.2500	0.2259	
43 1,2,4-Trichlorobenzene	180	8.906	8.912	-0.006	93	15281	0.2500	0.2411	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	936702	5.00	5.00	
45 Naphthalene	128	9.023	9.029	-0.006	97	53558	0.2500	0.2510	
46 4-Chloroaniline	127	9.116	9.122	-0.006	93	20972	0.2500	0.2397	
47 2,6-Dichlorophenol	162	9.128	9.134	-0.006	86	12583	0.2500	0.2236	
48 Hexachloropropene	213	9.169	9.174	-0.005	91	8099	0.2500	0.2087	
49 Hexachlorobutadiene	225	9.239	9.244	-0.005	95	7454	0.2500	0.2220	
50 Quinoline	129	9.542	9.553	-0.011	96	31598	0.2500	0.2265	
S 51 Diallate	86				0		0.2500	0.2120	
52 Caprolactam	113	9.606	9.658	-0.052	81	4700	0.2500	0.1940	
53 N-Nitrosodi-n-butylamine	84	9.682	9.693	-0.011	93	12361	0.2500	0.1829	
54 4-Chloro-3-methylphenol	107	9.897	9.909	-0.012	92	14589	0.2500	0.2108	
55 Safrole, Total	162	10.008	10.014	-0.006	85	11896	0.2500	0.2187	
56 2-Methylnaphthalene	142	10.125	10.130	-0.005	92	32268	0.2500	0.2340	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	92	30093	0.2500	0.2312	
58 Hexachlorocyclopentadiene	237	10.387	10.393	-0.006	90	7054	0.2500	0.1924	
59 1,2,4,5-Tetrachlorobenzene	216	10.393	10.398	-0.005	96	13863	0.2500	0.2367	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	91	2379	0.0400	0.0399	
61 2,4,6-Trichlorophenol	196	10.579	10.585	-0.006	91	8337	0.2500	0.2083	
62 2,4,5-Trichlorophenol	196	10.626	10.637	-0.011	90	9092	0.2500	0.2137	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.736	-0.005	99	70006	0.5000	0.4974	
64 Isosafrole Peak 2	162	10.842	10.847	-0.005	85	11554	0.2100	0.1799	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	95	58473	0.2500	0.3402	
66 2-Chloronaphthalene	162	10.900	10.906	-0.006	98	28700	0.2500	0.2219	
67 1-Chloronaphthalene	162	10.929	10.935	-0.006	97	29897	0.2500	0.2512	
68 Phenyl ether	170	11.063	11.069	-0.006	86	45344	0.2500	0.2071	
69 2-Nitroaniline	138	11.063	11.075	-0.012	57	8553	0.2500	0.1992	
70 1,4-Naphthoquinone	158	11.180	11.191	-0.011	81	10040	0.2500	0.1862	
71 1,4-Dinitrobenzene	168	11.302	11.314	-0.012	84	4232	0.2500	0.1875	
72 Dimethyl phthalate	163	11.401	11.413	-0.012	98	35367	0.2500	0.2461	
73 1,3-Dinitrobenzene	168	11.413	11.424	-0.011	83	4613	0.2500	0.1821	
74 2,6-Dinitrotoluene	165	11.471	11.483	-0.012	89	6789	0.2500	0.2022	
75 Acenaphthylene	152	11.553	11.558	-0.005	99	40037	0.2500	0.2218	
76 3-Nitroaniline	138	11.704	11.716	-0.012	86	7546	0.2500	0.2048	
* 77 Acenaphthene-d10	164	11.762	11.768	-0.006	96	469598	5.00	5.00	
78 Acenaphthene	153	11.803	11.815	-0.012	95	31551	0.2500	0.2392	
79 2,4-Dinitrophenol	184	11.856	11.867	-0.011	84	31562	2.25	1.34	
80 4-Nitrophenol	109	11.955	11.966	-0.011	83	20912	1.25	0.8031	
81 Pentachlorobenzene	250	11.990	11.995	-0.005	95	12399	0.2500	0.2573	
83 Dibenzofuran	168	12.048	12.054	-0.006	98	44927	0.2500	0.2581	
82 2,4-Dinitrotoluene	165	12.042	12.054	-0.012	78	8804	0.2500	0.1922	
84 1-Naphthylamine	143	12.147	12.153	-0.006	99	29398	0.2500	0.2240	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.211	12.217	-0.006	76	7019	0.2500	0.2113	
86 2-Naphthylamine	143	12.252	12.258	-0.006	95	28197	0.2500	0.2206	
87 Diethyl phthalate	149	12.386	12.398	-0.012	97	30926	0.2500	0.2200	
88 Thionazin	107	12.479	12.485	-0.006	51	5966	0.2500	0.1952	
89 Fluorene	166	12.479	12.485	-0.006	93	33120	0.2500	0.2387	
91 4-Chlorophenyl phenyl ether	204	12.503	12.508	-0.005	91	16957	0.2500	0.2494	
90 N-Nitro-o-toluidine	152	12.497	12.508	-0.011	83	8720	0.2500	0.2169	
92 4-Nitroaniline	138	12.497	12.514	-0.017	78	8042	0.2500	0.2016	
93 4,6-Dinitro-2-methylphenol	198	12.544	12.555	-0.011	81	23976	1.25	0.7943	
94 N-Nitrosodiphenylamine	169	12.643	12.648	-0.005	64	25812	0.2500	0.2167	
95 1,2-Diphenylhydrazine	77	12.689	12.695	-0.006	97	41529	0.2500	0.2249	
\$ 96 2,4,6-Tribromophenol	330	12.771	12.777	-0.006	86	6942	0.5000	0.4367	
97 Sulfotepp	97	12.870	12.876	-0.006	77	5337	0.2500	0.1770	
98 cis-Diallate	86	13.016	13.021	-0.005	91	13487	0.1850	0.1624	
99 Phorate	75	13.021	13.027	-0.006	95	21237	0.2500	0.1945	
100 Phenacetin	108	13.027	13.045	-0.018	91	14221	0.2500	0.1674	
101 4-Bromophenyl phenyl ether	248	13.097	13.103	-0.006	70	8422	0.2500	0.2297	
102 trans-Diallate	86	13.121	13.126	-0.005	91	4106	0.0650	0.0495	
103 Hexachlorobenzene	284	13.150	13.155	-0.005	91	9131	0.2500	0.2474	
104 Dimethoate	87	13.208	13.225	-0.017	96	13608	0.2500	0.1711	
105 Atrazine	200	13.313	13.324	-0.011	89	8505	0.2500	0.2206	
106 Pentachlorophenol	266	13.400	13.412	-0.012	89	5659	0.2500	0.1979	
108 4-Aminobiphenyl	169	13.418	13.423	-0.005	89	26896	0.2500	0.2057	
107 Pentachloronitrobenzene	237	13.418	13.429	-0.011	48	3306	0.2500	0.1890	a
109 Pronamide	173	13.511	13.523	-0.012	91	11634	0.2500	0.1758	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	98	897729	5.00	5.00	
111 Dinoseb	211	13.657	13.662	-0.005	91	5011	0.2500	0.1305	
112 Phenanthrene	178	13.674	13.680	-0.006	97	52726	0.2500	0.2476	
113 Anthracene	178	13.738	13.750	-0.012	98	48233	0.2500	0.2272	
114 Carbazole	167	13.960	13.966	-0.006	96	41333	0.2500	0.2111	
115 Methyl parathion	109	14.164	14.170	-0.006	89	8571	0.2500	0.1421	
116 Di-n-butyl phthalate	149	14.473	14.478	-0.005	100	48398	0.2500	0.1925	
117 Ethyl Parathion	109	14.712	14.723	-0.011	81	4550	0.2500	0.1293	
118 4-Nitroquinoline-1-oxide	190	14.723	14.735	-0.012	73	2212	0.2500	0.0911	
119 Octachlorostyrene	308	15.073	15.079	-0.006	88	3537	0.2500	0.2347	
120 Isodrin	193	15.126	15.131	-0.005	88	5416	0.2500	0.2120	
121 Fluoranthene	202	15.341	15.347	-0.006	98	52304	0.2500	0.2183	
122 Benzidine	184	15.563	15.580	-0.017	100	229349	2.00	1.50	
* 123 Pyrene-d10 (IS)	212	15.662	15.668	-0.006	100	938297	5.00	5.00	
124 Pyrene	202	15.691	15.697	-0.006	98	64577	0.2500	0.2497	
\$ 125 p-Terphenyl-d14	244	15.971	15.982	-0.011	99	69761	0.5000	0.4509	
126 p-Dimethylamino azobenzene	225	16.204	16.215	-0.011	93	6934	0.2500	0.1483	
127 Chlorobenzilate	139	16.303	16.303	0.000	85	12588	0.2500	0.1616	
128 3,3'-Dimethylbenzidine	212	16.769	16.775	-0.006	98	22617	0.2500	0.1384	
129 Butyl benzyl phthalate	149	16.833	16.839	-0.006	96	19318	0.2500	0.1634	
130 2-Acetylaminofluorene	181	17.189	17.200	-0.011	95	9023	0.2500	0.0960	
131 3,3'-Dichlorobenzidine	252	17.702	17.713	-0.011	75	12523	0.2500	0.1460	
132 Benzo[a]anthracene	228	17.714	17.725	-0.011	99	43738	0.2500	0.2070	
133 4,4'-Methylene bis(2-chloroani	231	17.725	17.731	-0.006	90	6240	0.2500	0.1338	
134 Chrysene	228	17.772	17.789	-0.017	97	51853	0.2500	0.2323	
135 Bis(2-ethylhexyl) phthalate	149	17.906	17.912	-0.006	95	22273	0.2500	0.1357	
136 6-Methylchrysene	242	18.582	18.593	-0.011	96	31211	0.2500	0.1947	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.072	19.083	-0.011	99	31104	0.2500	0.1157	
138 Benzo[b]fluoranthene	252	19.573	19.584	-0.011	98	44631	0.2500	0.2102	
139 7,12-Dimethylbenz(a)anthracene	256	19.579	19.590	-0.011	71	16841	0.2500	0.1715	
140 Benzo[k]fluoranthene	252	19.619	19.637	-0.018	97	46682	0.2500	0.2195	
141 Benzo[a]pyrene	252	20.103	20.115	-0.012	80	41585	0.2500	0.2142	
* 142 Perylene-d12	264	20.197	20.202	-0.006	97	830931	5.00	5.00	
143 3-Methylcholanthrene	268	20.674	20.692	-0.018	92	15369	0.2500	0.1630	
144 Dibenz[a,h]acridine	279	21.490	21.502	-0.012	91	18806	0.2500	0.1427	
145 Dibenz[a,j]acridine	279	21.560	21.572	-0.012	96	20628	0.2500	0.1452	
146 Indeno[1,2,3-cd]pyrene	276	21.811	21.828	-0.017	97	25110	0.2500	0.1753	M
147 Dibenz(a,h)anthracene	278	21.858	21.869	-0.011	93	29199	0.2500	0.1912	
148 Benzo[g,h,i]perylene	276	22.213	22.236	-0.023	94	30405	0.2500	0.1955	
S 152 Dinitrotoluene	165				0		0.5000	0.3944	
S 170 Isosafrole	162				0		0.2500	0.2198	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00005

Amount Added: 1.00

Units: mL

Report Date: 08-Jul-2020 19:10:00

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D

Injection Date: 08-Jul-2020 11:48:30

Instrument ID: HP19760

Lims ID: IC L2

Operator ID: em10340

Worklist Smp#:

Client ID:

Injection Vol: 1.0 ul

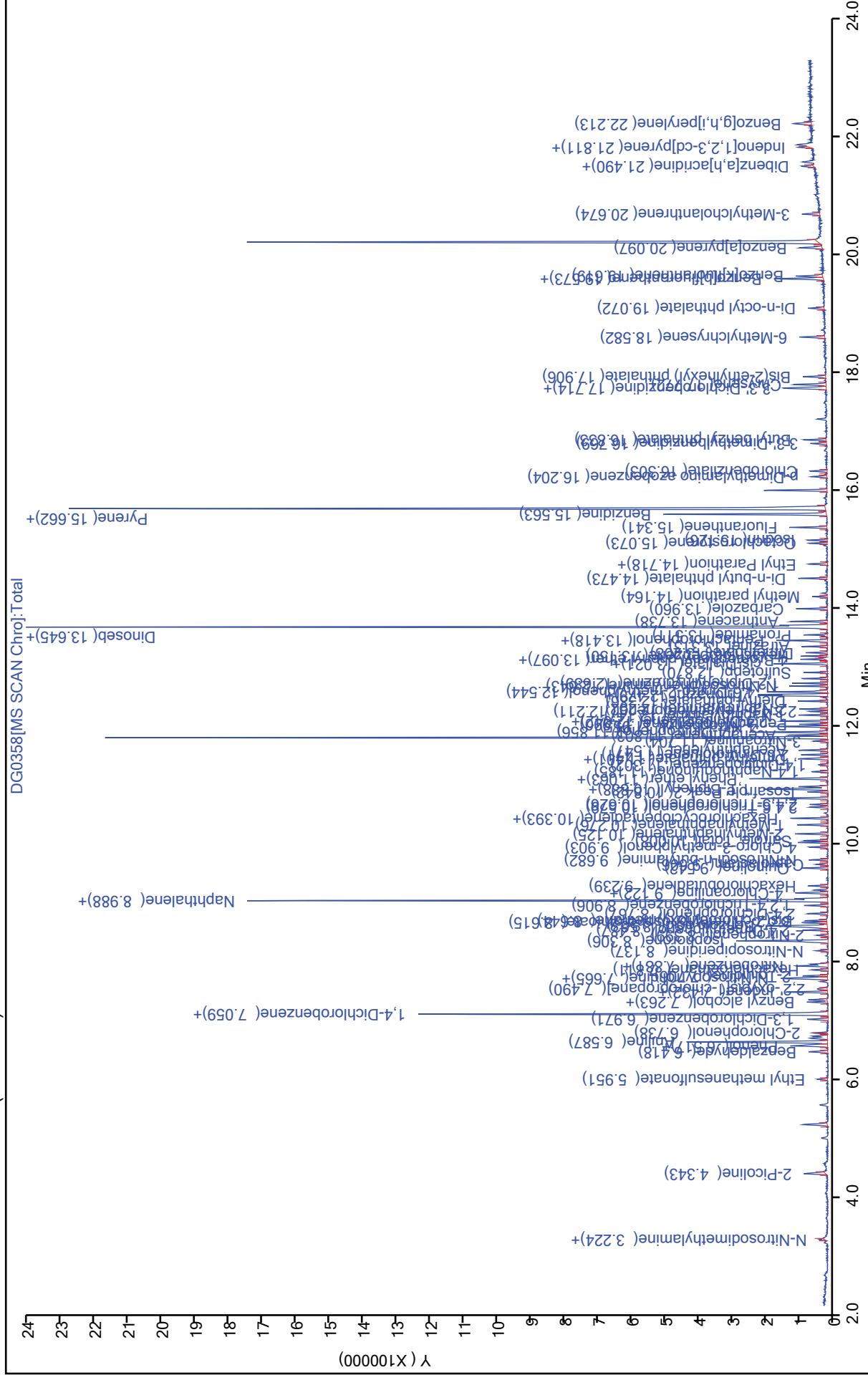
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: MSSemi HP19760

MSSV - 8270D ELVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D

Injection Date: 08-Jul-2020 11:48:30

Instrument ID: HP19760

Lims ID: IC L2

Client ID:

Operator ID: em10340

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

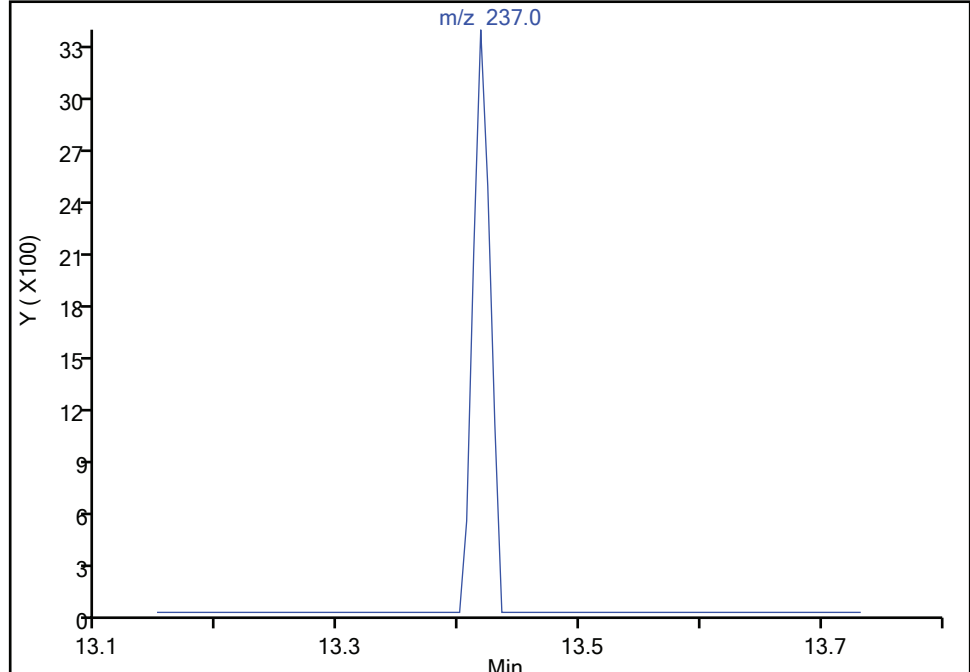
107 Pentachloronitrobenzene, CAS: 82-68-8

Signal: 1

Not Detected

Expected RT: 13.43

Processing Integration Results



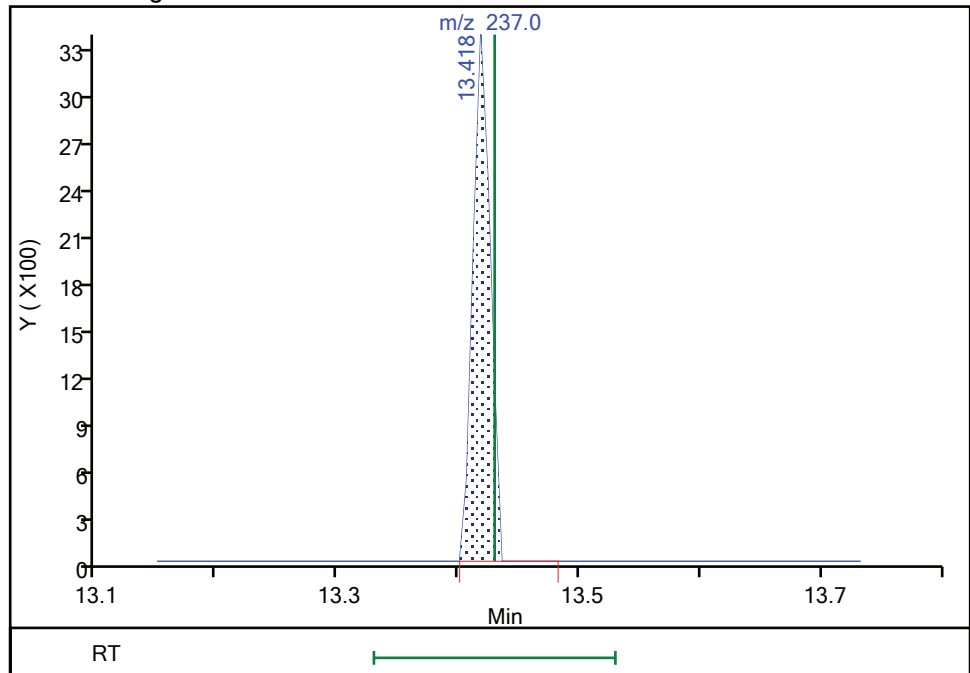
RT: 13.42

Area: 3306

Amount: 0.188964

Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 08-Jul-2020 14:45:46

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D

Injection Date: 08-Jul-2020 11:48:30

Instrument ID: HP19760

Lims ID: IC L2

Client ID:

Operator ID: em10340

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

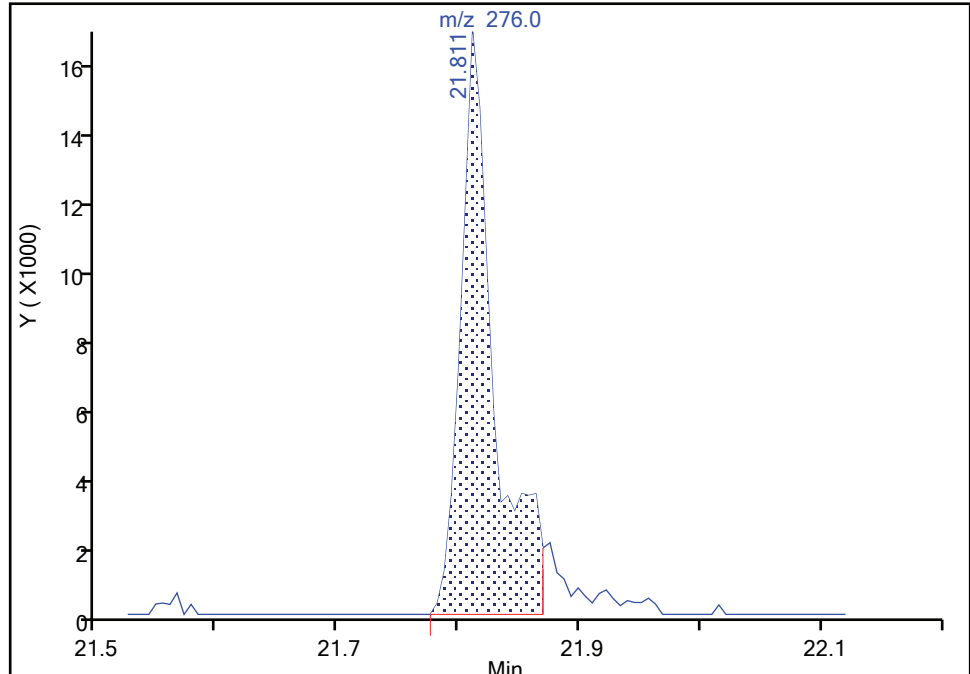
MS SCAN

146 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

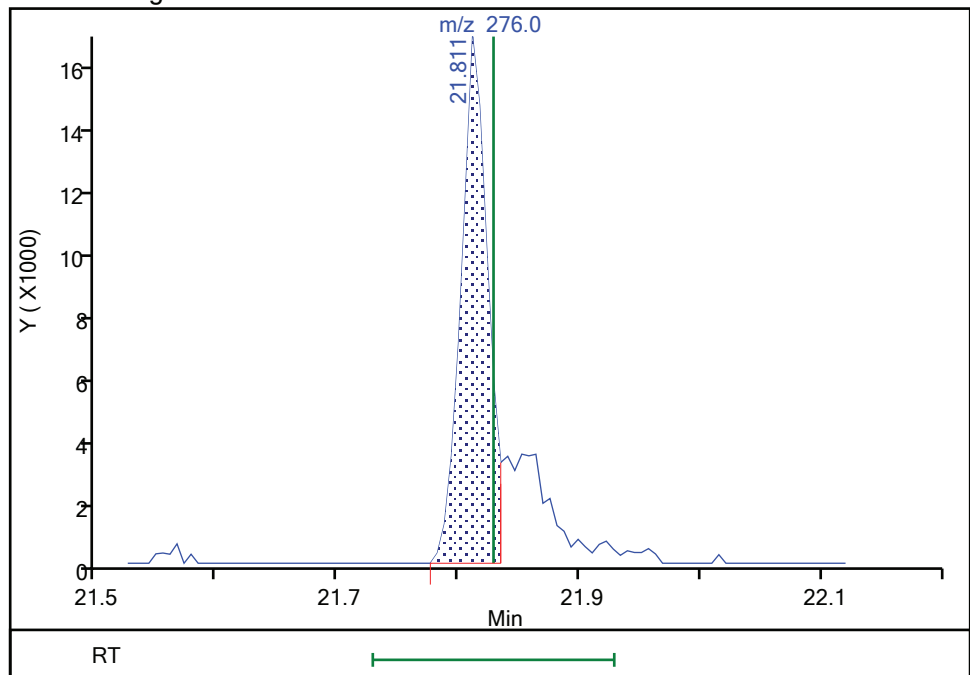
RT: 21.81
Area: 31782
Amount: 0.216799
Amount Units: ug/ml

Processing Integration Results



RT: 21.81
Area: 25110
Amount: 0.175275
Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 08-Jul-2020 14:46:09

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID (1): ICIS 410-10557/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0. ID: 0.25 (mm) Date Analyzed (1): 04/15/2020 15:41

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.88	12.70

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID (1): CCVIS 410-19473/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0. ID: 0.25 (mm) Date Analyzed (1): 07/06/2020 09:05

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	18.27	18.50

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID (1): CCVIS 410-19744/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0. ID: 0.25 (mm) Date Analyzed (1): 07/06/2020 22:40

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	18.27	15.90

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID (1): ICIS 410-20279/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0. ID: 0.25 (mm) Date Analyzed (1): 07/08/2020 08:17

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.58	12.90

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID (1): CCVIS 410-20598/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0. ID: 0.25 (mm) Date Analyzed (1): 07/08/2020 20:01

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.58	13.70

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID (1): CCVIS 410-20766/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0. ID: 0.25 (mm) Date Analyzed (1): 07/09/2020 08:06

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.59	13.30

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID (1): CCVIS 410-21270/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0. ID: 0.25 (mm) Date Analyzed (1): 07/10/2020 11:15

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.57	15.70

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: ICV 410-10557/12 Calibration Date: 04/15/2020 23:31

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DD0641.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6709	0.5605		10.4	12.5	-16.5	30.0
N-Nitrosodimethylamine	Ave	1.057	0.9223		10.9	12.5	-12.7	30.0
Pyridine	Ave	1.840	1.472		10.0	12.5	-20.0	30.0
2-Picoline	Ave	1.864	1.699		11.4	12.5	-8.9	30.0
N-Nitrosomethylethylamine	Ave	0.7994	0.7198		11.3	12.5	-10.0	30.0
Methyl methanesulfonate	Ave	0.8563	0.9068		13.2	12.5	5.9	30.0
N-Nitrosodiethylamine	Ave	0.7565	0.7429		12.3	12.5	-1.8	30.0
Ethyl methanesulfonate	Ave	0.7969	0.7575		11.9	12.5	-4.9	30.0
Phenol	Ave	2.053	2.017	0.8000	12.3	12.5	-1.7	30.0
Aniline	Ave	2.535	2.145		10.6	12.5	-15.4	30.0
Bis(2-chloroethyl)ether	Ave	1.717	1.634	0.7000	11.9	12.5	-4.8	30.0
2-Chlorophenol	Ave	1.483	1.446	0.8000	12.2	12.5	-2.5	30.0
1,3-Dichlorobenzene	Ave	1.521	1.497		12.3	12.5	-1.6	30.0
1,4-Dichlorobenzene	Ave	1.540	1.527		12.4	12.5	-0.8	30.0
Benzyl alcohol	Ave	0.9720	0.9859		12.7	12.5	1.4	30.0
1,2-Dichlorobenzene	Ave	1.462	1.437		12.3	12.5	-1.7	30.0
2-Methylphenol	Ave	1.380	1.355	0.7000	12.3	12.5	-1.9	30.0
Indene	Ave	2.230	2.578		14.4	12.5	15.6	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.232	2.146	0.0100	12.0	12.5	-3.9	30.0
N-Nitrosopyrrolidine	Ave	0.7852	0.8098		12.9	12.5	3.1	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.442	1.416	0.6000	12.3	12.5	-1.8	30.0
Acetophenone	Ave	2.031	1.993	0.0100	12.3	12.5	-1.9	30.0
N-Nitrosodi-n-propylamine	Ave	1.158	1.154	0.5000	12.5	12.5	-0.3	30.0
N-Nitrosomorpholine	Ave	1.075	1.085		12.6	12.5	0.9	30.0
o-Toluidine	Ave	2.353	2.263		12.0	12.5	-3.8	30.0
Hexachloroethane	Ave	0.6551	0.6412	0.3000	12.2	12.5	-2.1	30.0
Nitrobenzene	Ave	0.4610	0.4391	0.2000	11.9	12.5	-4.8	30.0
N-Nitrosopiperidine	Ave	0.2055	0.1969		12.0	12.5	-4.2	30.0
Isophorone	Ave	0.8296	0.7929	0.4000	11.9	12.5	-4.4	30.0
2-Nitrophenol	Ave	0.2013	0.1981	0.1000	12.3	12.5	-1.6	30.0
2,4-Dimethylphenol	Ave	0.3934	0.3081	0.2000	9.79	12.5	-21.7	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1692	0.1681		12.4	12.5	-0.7	30.0
Bis(2-chloroethoxy)methane	Ave	0.5271	0.5107	0.3000	12.1	12.5	-3.1	30.0
Benzoic acid	Ave	0.2479	0.2681		27.0	25.0	8.1	30.0
2,4-Dichlorophenol	Ave	0.2963	0.2889	0.2000	12.2	12.5	-2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3059	0.3085		12.6	12.5	0.8	30.0
Naphthalene	Ave	1.112	1.065	0.7000	12.0	12.5	-4.2	30.0
4-Chloroaniline	Ave	0.4476	0.4265	0.0100	11.9	12.5	-4.7	30.0
2,6-Dichlorophenol	Ave	0.2788	0.2776		12.4	12.5	-0.4	30.0
Hexachloropropene	Ave	0.1897	0.2043		13.5	12.5	7.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: ICV 410-10557/12 Calibration Date: 04/15/2020 23:31

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DD0641.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.1625	0.1664	0.0100	12.8	12.5	2.4	30.0
Quinoline	Ave	0.7058	0.6764		12.0	12.5	-4.2	30.0
N-Nitrosodi-n-butylamine	Ave	0.3133	0.2937		11.7	12.5	-6.3	30.0
4-Chloro-3-methylphenol	Ave	0.3294	0.3376	0.2000	12.8	12.5	2.5	30.0
Safrole, Total	Ave	0.2665	0.2681		12.6	12.5	0.6	30.0
2-Methylnaphthalene	Ave	0.7022	0.7035	0.4000	12.5	12.5	0.2	30.0
1-Methylnaphthalene	Ave	0.6669	0.6337		11.9	12.5	-5.0	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6094	0.5884	0.0100	12.1	12.5	-3.4	30.0
Isosafrole Peak 1	Ave	0.6599	0.6328		1.44	1.50	-4.1	30.0
2,4,6-Trichlorophenol	Ave	0.4238	0.4205	0.2000	12.4	12.5	-0.8	30.0
2,4,5-Trichlorophenol	Ave	0.4424	0.4332	0.2000	12.2	12.5	-2.1	30.0
Isosafrole Peak 2	Ave	0.6831	0.6663		10.7	11.0	-2.5	30.0
1,1'-Biphenyl	Ave	1.798	1.751	0.0100	12.2	12.5	-2.7	30.0
2-Chloronaphthalene	Ave	1.367	1.328	0.8000	12.2	12.5	-2.8	30.0
1-Chloronaphthalene	Ave	1.284	1.190		11.6	12.5	-7.3	30.0
Diphenyl ether	Ave	0.9517	0.9181		12.1	12.5	-3.5	30.0
2-Nitroaniline	Ave	0.4690	0.4529	0.0100	12.1	12.5	-3.4	30.0
1,4-Naphthoquinone	Ave	0.5716	0.5491		15.0	15.6	-3.9	30.0
1,4-Dinitrobenzene	Ave	0.2505	0.2414		12.0	12.5	-3.6	30.0
Dimethyl phthalate	Ave	1.466	1.382	0.0100	11.8	12.5	-5.7	30.0
1,3-Dinitrobenzene	Ave	0.2769	0.2728		12.3	12.5	-1.5	30.0
2,6-Dinitrotoluene	Ave	0.3472	0.3358	0.2000	12.1	12.5	-3.3	30.0
Acenaphthylene	Ave	2.031	1.924	0.9000	11.8	12.5	-5.3	30.0
3-Nitroaniline	Ave	0.3852	0.4017	0.0100	13.0	12.5	4.3	30.0
Acenaphthene	Ave	1.402	1.345	0.9000	12.0	12.5	-4.0	30.0
2,4-Dinitrophenol	Ave	0.2480	0.2511	0.0100	25.3	25.0	1.3	30.0
4-Nitrophenol	Ave	0.2532	0.2444	0.0100	12.1	12.5	-3.5	30.0
Pentachlorobenzene	Ave	0.4796	0.4730		12.3	12.5	-1.4	30.0
2,4-Dinitrotoluene	Ave	0.4615	0.4598	0.2000	12.5	12.5	-0.4	30.0
Dibenzofuran	Ave	1.880	1.808	0.8000	12.0	12.5	-3.9	30.0
1-Naphthylamine	Ave	1.409	1.157		20.5	25.0	-17.9	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3205	0.3380	0.0100	13.2	12.5	5.5	30.0
2-Naphthylamine	Ave	1.367	1.093		20.0	25.0	-20.1	30.0
Diethyl phthalate	Ave	1.528	1.485	0.0100	12.1	12.5	-2.8	30.0
Thionazin	Ave	0.2844	0.2776		12.2	12.5	-2.4	30.0
Fluorene	Ave	1.482	1.449	0.9000	12.2	12.5	-2.2	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6962	0.6615	0.4000	11.9	12.5	-5.0	30.0
5-Nitro-o-toluidine	Ave	0.4371	0.4553		13.0	12.5	4.2	30.0
4-Nitroaniline	Ave	0.4182	0.3980	0.0100	11.9	12.5	-4.8	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1558	0.1538	0.0100	12.3	12.5	-1.3	30.0
N-Nitrosodiphenylamine	Ave	0.6771	0.6698	0.0100	12.4	12.5	-1.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: ICV 410-10557/12 Calibration Date: 04/15/2020 23:31

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DD0641.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Diphenylhydrazine	Ave	0.9386	0.9271		12.3	12.5	-1.2	30.0
Sulfotepp	Ave	0.1549	0.1527		12.3	12.5	-1.5	30.0
cis-Diallate	Ave	0.4201	0.4071		9.08	9.38	-3.1	30.0
Phorate	Ave	0.5792	0.5814		12.5	12.5	0.4	30.0
Phenacetin	Ave	0.4441	0.4480		12.6	12.5	0.9	30.0
4-Bromophenyl-phenylether	Ave	0.1877	0.1837	0.1000	12.2	12.5	-2.1	30.0
trans-Diallate	Ave	0.4284	0.4096		2.99	3.13	-4.4	30.0
Hexachlorobenzene	Ave	0.1982	0.1832	0.1000	11.6	12.5	-7.6	30.0
Dimethoate	Ave	0.4243	0.4013		11.8	12.5	-5.4	30.0
Pentachlorophenol	Ave	0.1410	0.1445	0.0500	12.8	12.5	2.4	30.0
4-Aminobiphenyl	Ave	0.7369	0.8654		14.7	12.5	17.4	30.0
Pentachloronitrobenzene	Ave	0.0881	0.0869		12.3	12.5	-1.4	30.0
Pronamide	Ave	0.3700	0.3613		12.2	12.5	-2.4	30.0
Dinoseb	Ave	0.2018	0.2289		14.2	12.5	13.4	30.0
Phenanthrene	Ave	1.136	1.076	0.7000	11.8	12.5	-5.3	30.0
Anthracene	Ave	1.138	1.111	0.7000	12.2	12.5	-2.3	30.0
Carbazole	Ave	1.115	1.113	0.0100	12.5	12.5	-0.2	30.0
Methyl parathion	Ave	0.3348	0.3348		12.5	12.5	-0.0	30.0
Di-n-butyl phthalate	Ave	1.442	1.429	0.0100	12.4	12.5	-0.9	30.0
Parathion	Ave	0.1937	0.2063		13.3	12.5	6.5	30.0
4-Nitroquinoline-1-oxide	Ave	0.1390	0.1547		167	150	11.3	30.0
Octachlorostyrene	Ave	0.0774	0.0729		11.8	12.5	-5.9	30.0
Isodrin	Ave	0.1400	0.1381		12.3	12.5	-1.3	30.0
Fluoranthene	Ave	1.289	1.271	0.6000	12.3	12.5	-1.4	30.0
Benidine	Ave	0.8455	0.6642		49.1	62.5	-21.4	30.0
Pyrene	Ave	1.378	1.256	0.6000	11.4	12.5	-8.8	30.0
p-Dimethylamino azobenzene	Ave	0.2342	0.2511		13.4	12.5	7.2	30.0
Chlorobenzilate	Ave	0.4289	0.4287		12.5	12.5	-0.0	30.0
3,3'-Dimethylbenzidine	Ave	0.8571	0.6798		19.8	25.0	-20.7	30.0
Butylbenzylphthalate	Ave	0.6732	0.6563	0.0100	12.2	12.5	-2.5	30.0
2-Acetylaminofluorene	Ave	0.5065	0.5104		12.6	12.5	0.8	30.0
3,3'-Dichlorobenzidine	Ave	0.4308	0.4094	0.0100	11.9	12.5	-5.0	30.0
Benzo[a]anthracene	Ave	1.076	1.073	0.8000	12.5	12.5	-0.3	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2327	0.2277			12.5	-2.1	30.0
Chrysene	Ave	1.131	1.046	0.7000	11.6	12.5	-7.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9517	0.9326	0.0100	12.2	12.5	-2.0	30.0
6-Methylchrysene	Ave	0.8104	0.7611		11.7	12.5	-6.1	30.0
Di-n-octyl phthalate	Ave	1.773	1.793	0.0100	12.6	12.5	1.2	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5447	0.5689		13.1	12.5	4.4	30.0
Benzo[b]fluoranthene	Ave	1.188	1.224	0.7000	12.9	12.5	3.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: ICV 410-10557/12 Calibration Date: 04/15/2020 23:31
 Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07
 Lab File ID: DD0641.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[k]fluoranthene	Ave	1.203	1.213	0.7000	12.6	12.5	0.8	30.0
Benzo[a]pyrene	Ave	1.135	1.163	0.7000	12.8	12.5	2.4	30.0
3-Methylcholanthrene	Ave	0.5955	0.6377		13.4	12.5	7.1	30.0
Dibenz[a,h]acridine	Ave	0.8725	0.9043		13.0	12.5	3.6	30.0
Dibenz[a,j]acridine	Ave	0.9373	0.8989		12.0	12.5	-4.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9560	0.998	0.5000	13.0	12.5	4.4	30.0
Dibenz(a,h)anthracene	Ave	1.023	1.097	0.4000	13.4	12.5	7.2	30.0
Benzo[g,h,i]perylene	Ave	1.043	1.060	0.5000	12.7	12.5	1.6	30.0
Hexachlorocyclopentadiene	Ave	0.3755		0.0500		25.0		30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0641.D
 Lims ID: ICV FULL
 Client ID:
 Sample Type: ICV
 Inject. Date: 15-Apr-2020 23:31:30 ALS Bottle#: 11 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: SSTD12.5;RVICV1049;1;3;ICV;
 Misc. Info.: ;ICVALL1-1.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:08:08 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 17:02:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.891	2.885	0.006	96	339713	12.5	10.4	
2 N-Nitrosodimethylamine	74	3.404	3.404	0.000	92	558989	12.5	10.9	
3 Pyridine	79	3.433	3.427	0.006	93	892317	12.5	10.0	
4 2-Picoline	93	4.552	4.552	0.000	90	1029480	12.5	11.4	
5 N-Nitrosomethylethylamine	88	4.739	4.739	0.000	88	436258	12.5	11.3	
7 Methyl methanesulfonate	80	5.170	5.176	-0.006	85	549554	12.5	13.2	
9 N-Nitrosodiethylamine	102	5.730	5.735	-0.005	94	450209	12.5	12.3	
10 Ethyl methanesulfonate	109	6.167	6.167	0.000	99	459097	12.5	11.9	
14 Phenol	94	6.744	6.744	0.000	94	1222702	12.5	12.3	
15 Aniline	93	6.791	6.790	0.001	95	1299994	12.5	10.6	
16 Bis(2-chloroethyl)ether	93	6.896	6.895	0.001	93	990502	12.5	11.9	
17 2-Chlorophenol	128	6.954	6.954	0.000	94	876218	12.5	12.2	
18 1,3-Dichlorobenzene	146	7.187	7.187	0.000	96	907449	12.5	12.3	
* 19 1,4-Dichlorobenzene-d4	152	7.269	7.274	-0.005	97	242423	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.298	7.298	0.000	92	925730	12.5	12.4	
21 Benzyl alcohol	108	7.478	7.478	0.000	92	597506	12.5	12.7	
22 1,2-Dichlorobenzene	146	7.519	7.519	0.000	94	870797	12.5	12.3	
23 2-Methylphenol	108	7.647	7.647	0.000	96	820931	12.5	12.3	
24 Indene	115	7.653	7.653	0.000	87	1562181	12.5	14.4	
25 2,2'-oxybis[1-chloropropane]	45	7.706	7.700	0.006	96	1300340	12.5	12.0	
26 N-Nitrosopyrrolidine	100	7.840	7.840	0.000	96	490807	12.5	12.9	
27 Acetophenone	105	7.881	7.880	0.001	90	1207816	12.5	12.3	
28 4-Methylphenol	108	7.881	7.880	0.001	95	858379	12.5	12.3	
29 N-Nitrosodi-n-propylamine	70	7.892	7.892	0.000	85	699611	12.5	12.5	
30 N-Nitrosomorpholine	56	7.910	7.910	0.000	88	657463	12.5	12.6	
31 2-Toluidine	106	7.927	7.933	-0.006	95	1371262	12.5	12.0	
32 Hexachloroethane	117	8.026	8.032	-0.006	97	388609	12.5	12.2	
34 Nitrobenzene	77	8.131	8.131	0.000	87	1009229	12.5	11.9	
35 N-Nitrosopiperidine	114	8.364	8.364	0.000	88	452529	12.5	12.0	
36 Isophorone	82	8.504	8.504	0.000	97	1822680	12.5	11.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 2-Nitrophenol	139	8.621	8.621	0.000	91	455327	12.5	12.3	
38 2,4-Dimethylphenol	107	8.702	8.702	0.000	96	708309	12.5	9.79	
40 Benzoic acid	105	8.877	8.825	0.052	86	1232349	25.0	27.0	
39 o,o',o''-Triethylphosphorothioat	198	8.831	8.830	0.001	92	386439	12.5	12.4	
41 Bis(2-chloroethoxy)methane	93	8.866	8.865	0.001	96	1173844	12.5	12.1	
42 2,4-Dichlorophenol	162	8.988	8.994	-0.006	98	664064	12.5	12.2	
43 1,2,4-Trichlorobenzene	180	9.128	9.134	-0.006	93	709120	12.5	12.6	
* 44 Naphthalene-d8	136	9.215	9.215	0.000	99	919459	5.00	5.00	
45 Naphthalene	128	9.244	9.250	-0.006	98	2448157	12.5	12.0	
46 4-Chloroaniline	127	9.338	9.343	-0.005	94	980361	12.5	11.9	
47 2,6-Dichlorophenol	162	9.349	9.349	0.000	93	638162	12.5	12.4	
48 Hexachloropropene	213	9.390	9.396	-0.006	90	469552	12.5	13.5	
49 Hexachlorobutadiene	225	9.460	9.460	0.000	97	382494	12.5	12.8	
S 51 Diallate	86				0		12.5	12.1	
50 Quinoline	129	9.775	9.775	0.000	97	1554832	12.5	12.0	
53 N-Nitrosodi-n-butylamine	84	9.903	9.903	0.000	94	675076	12.5	11.7	
54 4-Chloro-3-methylphenol	107	10.119	10.124	-0.005	95	775998	12.5	12.8	
55 Safrole, Total	162	10.235	10.235	0.000	86	616224	12.5	12.6	
56 2-Methylnaphthalene	142	10.352	10.358	-0.006	92	1617162	12.5	12.5	
57 1-Methylnaphthalene	142	10.509	10.509	0.000	93	1456726	12.5	11.9	
58 Hexachlorocyclopentadiene	237		10.614				ND	ND	U
59 1,2,4,5-Tetrachlorobenzene	216	10.620	10.626	-0.006	97	653294	12.5	12.1	
60 Isosafrole Peak 1	162	10.702	10.707	-0.005	88	84321	1.50	1.44	
61 2,4,6-Trichlorophenol	196	10.807	10.812	-0.005	95	466936	12.5	12.4	
62 2,4,5-Trichlorophenol	196	10.853	10.859	-0.006	92	480980	12.5	12.2	
64 Isosafrole Peak 2	162	11.069	11.069	0.000	89	651023	11.0	10.7	
65 1,1'-Biphenyl	154	11.115	11.115	0.000	96	1943739	12.5	12.2	
66 2-Chloronaphthalene	162	11.133	11.133	0.000	98	1475071	12.5	12.2	
67 1-Chloronaphthalene	162	11.168	11.168	0.000	97	1321026	12.5	11.6	
68 Phenyl ether	170	11.296	11.296	0.000	87	1019450	12.5	12.1	
69 2-Nitroaniline	138	11.308	11.308	0.000	84	502880	12.5	12.1	
70 1,4-Naphthoquinone	158	11.424	11.424	0.000	85	762122	15.6	15.0	
71 1,4-Dinitrobenzene	168	11.535	11.535	0.000	89	268086	12.5	12.0	
72 Dimethyl phthalate	163	11.623	11.622	0.001	98	1535044	12.5	11.8	
73 1,3-Dinitrobenzene	168	11.640	11.640	0.000	87	302888	12.5	12.3	
74 2,6-Dinitrotoluene	165	11.698	11.692	0.006	92	372909	12.5	12.1	
75 Acenaphthylene	152	11.768	11.768	0.000	99	2136810	12.5	11.8	
76 3-Nitroaniline	138	11.920	11.920	0.000	89	446032	12.5	13.0	
* 77 Acenaphthene-d10	164	11.972	11.972	0.000	97	444152	5.00	5.00	
78 Acenaphthene	153	12.013	12.013	0.000	96	1493546	12.5	12.0	
79 2,4-Dinitrophenol	184	12.066	12.065	0.001	85	557564	25.0	25.3	
80 4-Nitrophenol	109	12.159	12.153	0.006	84	271333	12.5	12.1	
81 Pentachlorobenzene	250	12.188	12.194	-0.006	97	525190	12.5	12.3	
82 2,4-Dinitrotoluene	165	12.246	12.240	0.006	82	510554	12.5	12.5	
83 Dibenzofuran	168	12.246	12.246	0.000	96	2007091	12.5	12.0	
84 1-Naphthylamine	143	12.351	12.345	0.006	98	2569170	25.0	20.5	
85 2,3,4,6-Tetrachlorophenol	232	12.404	12.403	0.001	77	375290	12.5	13.2	
86 2-Naphthylamine	143	12.450	12.444	0.006	95	2426496	25.0	20.0	
87 Diethyl phthalate	149	12.573	12.572	0.001	98	1648844	12.5	12.1	
88 Thionazin	107	12.666	12.666	0.000	79	308285	12.5	12.2	
89 Fluorene	166	12.672	12.672	0.000	96	1609431	12.5	12.2	
90 N-Nitro-o-toluidine	152	12.695	12.695	0.000	88	505559	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 4-Chlorophenyl phenyl ether	204	12.695	12.695	0.000	89	734479	12.5	11.9	
92 4-Nitroaniline	138	12.707	12.701	0.006	85	441969	12.5	11.9	
93 4,6-Dinitro-2-methylphenol	198	12.742	12.741	0.001	86	325792	12.5	12.3	
94 N-Nitrosodiphenylamine	169	12.841	12.841	0.000	62	1418418	12.5	12.4	
95 1,2-Diphenylhydrazine	77	12.887	12.887	0.000	44	1963237	12.5	12.3	
97 Sulfotepp	97	13.062	13.062	0.000	78	323275	12.5	12.3	
98 cis-Diallate	86	13.214	13.214	0.000	96	646529	9.38	9.08	
99 Phorate	75	13.225	13.219	0.006	96	1231244	12.5	12.5	
100 Phenacetin	108	13.237	13.231	0.006	90	948606	12.5	12.6	
101 4-Bromophenyl phenyl ether	248	13.301	13.301	0.000	70	388977	12.5	12.2	
102 trans-Diallate	86	13.325	13.324	0.000	94	216848	3.13	2.99	
103 Hexachlorobenzene	284	13.359	13.359	0.000	91	387929	12.5	11.6	
104 Dimethoate	87	13.429	13.423	0.006	97	849863	12.5	11.8	
106 Pentachlorophenol	266	13.616	13.616	0.000	90	306003	12.5	12.8	
108 4-Aminobiphenyl	169	13.633	13.633	0.000	90	1832598	12.5	14.7	
107 Pentachloronitrobenzene	237	13.633	13.633	0.000	47	183951	12.5	12.3	
109 Pronamide	173	13.721	13.721	0.000	90	765050	12.5	12.2	
* 110 Phenanthrene-d10	188	13.867	13.866	0.001	96	847068	5.00	5.00	
111 Dinoseb	211	13.872	13.872	0.000	94	484730	12.5	14.2	
112 Phenanthrene	178	13.902	13.901	0.001	98	2279227	12.5	11.8	
113 Anthracene	178	13.966	13.971	-0.005	99	2353718	12.5	12.2	
114 Carbazole	167	14.187	14.187	0.000	96	2357902	12.5	12.5	
115 Methyl parathion	109	14.391	14.391	0.000	90	708978	12.5	12.5	
116 Di-n-butyl phthalate	149	14.712	14.706	0.006	100	3025509	12.5	12.4	
117 Ethyl Parathion	109	14.957	14.951	0.006	83	436836	12.5	13.3	
118 4-Nitroquinoline-1-oxide	190	15.009	14.974	0.035	88	3931684	150.0	167.0	E
119 Octachlorostyrene	308	15.318	15.318	0.000	90	154346	12.5	11.8	
120 Isodrin	193	15.376	15.376	0.000	91	292525	12.5	12.3	
121 Fluoranthene	202	15.604	15.603	0.001	99	2691730	12.5	12.3	
122 Benzidine	184	15.842	15.831	0.011	99	7213190	62.5	49.1	
* 123 Pyrene-d10 (IS)	212	15.930	15.930	0.000	99	868829	5.00	5.00	
124 Pyrene	202	15.959	15.959	0.000	97	2728623	12.5	11.4	
126 p-Dimethylamino azobenzene	225	16.472	16.472	0.000	92	545397	12.5	13.4	
127 Chlorobenzilate	139	16.565	16.565	0.000	84	931227	12.5	12.5	
128 3,3'-Dimethylbenzidine	212	17.049	17.043	0.006	99	2953323	25.0	19.8	
129 Butyl benzyl phthalate	149	17.101	17.101	0.000	97	1425537	12.5	12.2	
130 2-Acetylaminofluorene	181	17.474	17.474	0.000	95	1108590	12.5	12.6	
131 3,3'-Dichlorobenzidine	252	17.993	17.987	0.006	76	889332	12.5	11.9	
132 Benzo[a]anthracene	228	18.005	18.005	0.000	99	2330180	12.5	12.5	
133 4,4'-Methylene bis(2-chloroaniline)	231	18.011	18.011	0.000	94	494537	12.5	12.2	
134 Chrysene	228	18.069	18.069	0.000	97	2272929	12.5	11.6	
135 Bis(2-ethylhexyl) phthalate	149	18.174	18.180	-0.006	98	2025602	12.5	12.2	
136 6-Methylchrysene	242	18.879	18.879	0.000	99	1653171	12.5	11.7	
137 Di-n-octyl phthalate	149	19.351	19.351	0.000	99	3538239	12.5	12.6	
138 Benzo[b]fluoranthene	252	19.888	19.882	0.006	96	2414926	12.5	12.9	
139 7,12-Dimethylbenz(a)anthracene	256	19.888	19.887	0.001	78	1122509	12.5	13.1	
140 Benzo[k]fluoranthene	252	19.934	19.934	0.000	99	2393022	12.5	12.6	
141 Benzo[a]pyrene	252	20.418	20.412	0.006	80	2294720	12.5	12.8	
* 142 Perylene-d12	264	20.505	20.505	0.000	96	789199	5.00	5.00	
143 3-Methylcholanthrene	268	20.989	20.989	0.000	94	1258266	12.5	13.4	
144 Dibenz[a,h]acridine	279	21.817	21.817	0.000	92	1784228	12.5	13.0	
145 Dibenz[a,j]acridine	279	21.893	21.892	0.001	95	1773502	12.5	12.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
146 Indeno[1,2,3-cd]pyrene	276	22.172	22.166	0.006	97	1968366	12.5	13.0	
147 Dibenz(a,h)anthracene	278	22.213	22.207	0.006	96	2165230	12.5	13.4	
148 Benzo[g,h,i]perylene	276	22.604	22.598	0.006	94	2091144	12.5	12.7	
S 170 Isosafrole	162				0		12.5	12.2	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00004

Amount Added: 1.00

Units: mL

Report Date: 04-Jun-2020 17:12:03

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0641.D

Injection Date: 15-Apr-2020 23:31:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: ICV FULL

Worklist Smp#: 12

Client ID:

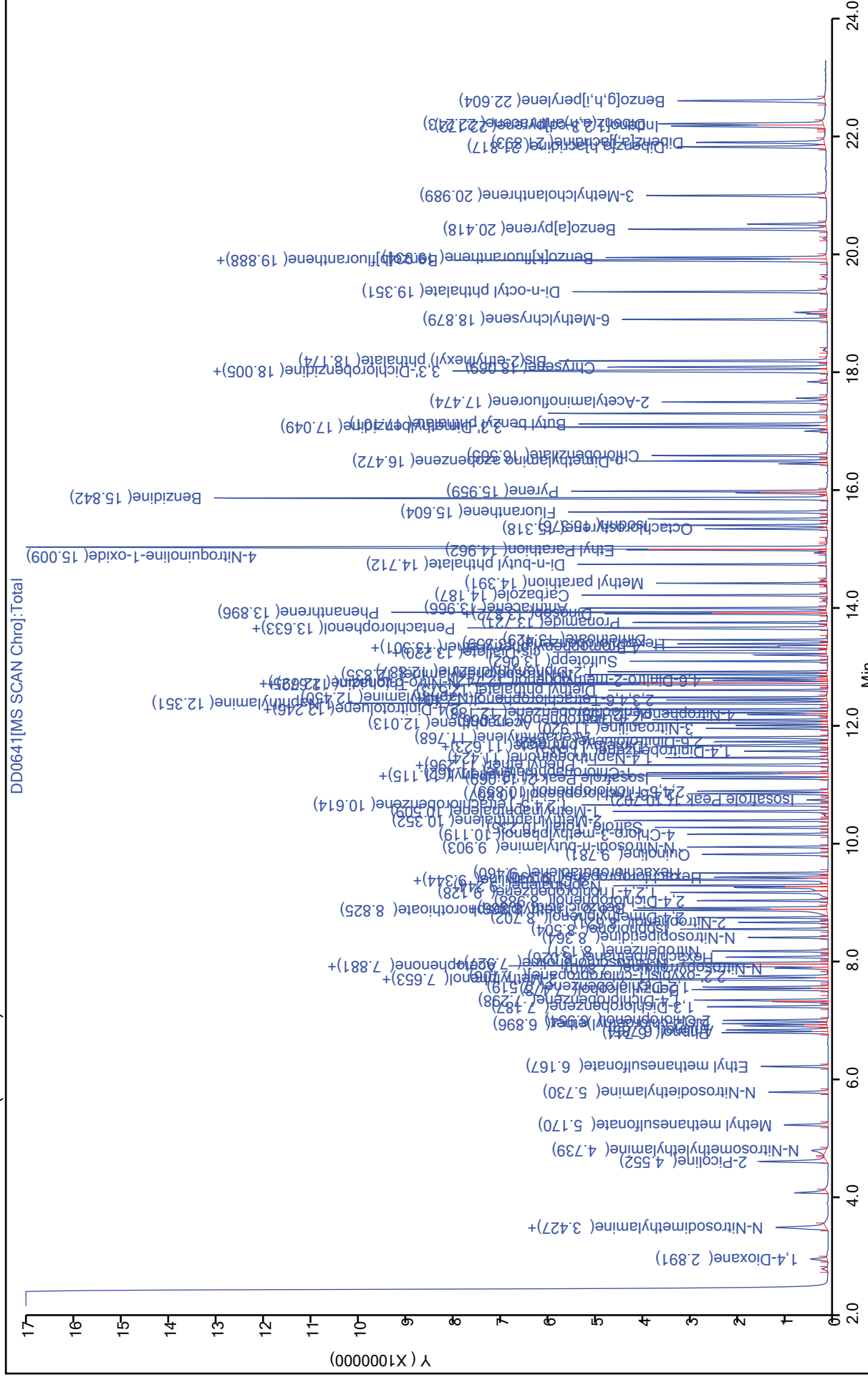
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi HP19760

MSSV - 8270D ELVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0641.D

Injection Date: 15-Apr-2020 23:31:30

Instrument ID: HP19760

Lims ID: ICV FULL

Client ID:

Operator ID: em10340

ALS Bottle#: 11

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

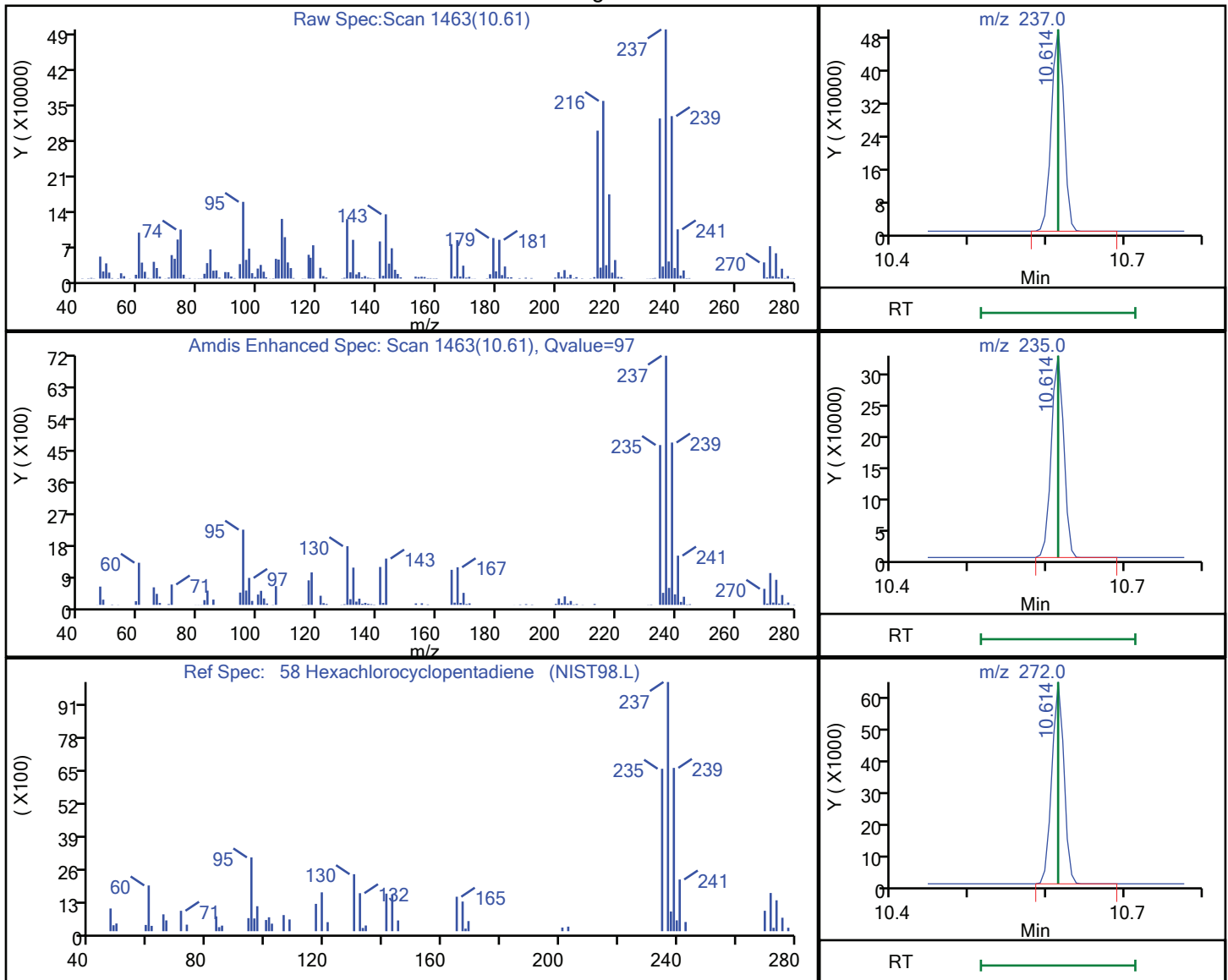
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

58 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
10.61	237.00	562032	16.848041
10.61	235.00	358714	
10.61	272.00	70230	

Reviewer: bauera, 04-Jun-2020 17:01:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-19473/2 Calibration Date: 07/06/2020 09:05

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DG0151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6709	0.9506		10.6	7.50	41.7*	20.0
N-Nitrosodimethylamine	Ave	1.057	1.303		9.24	7.50	23.3*	20.0
Pyridine	Ave	1.840	2.061		8.40	7.50	12.0	20.0
2-Picoline	Ave	1.864	1.984		7.98	7.50	6.4	20.0
N-Nitrosomethylethylamine	Ave	0.7994	0.8785		8.24	7.50	9.9	20.0
Methyl methanesulfonate	Ave	0.8563	1.050		9.20	7.50	22.7*	20.0
N-Nitrosodiethylamine	Ave	0.7565	0.8988		8.91	7.50	18.8	20.0
Ethyl methanesulfonate	Ave	0.7969	0.9667		9.10	7.50	21.3*	20.0
Benzaldehyde	Ave	1.221	1.450	0.0100	8.91	7.50	18.7	20.0
Aniline	Ave	2.535	2.791		8.26	7.50	10.1	20.0
Phenol	Ave	2.053	2.411	0.8000	8.81	7.50	17.4	20.0
Bis(2-chloroethyl)ether	Ave	1.717	1.872	0.7000	8.18	7.50	9.0	20.0
2-Chlorophenol	Ave	1.483	1.532	0.8000	7.75	7.50	3.3	20.0
1,3-Dichlorobenzene	Ave	1.521	1.554		7.66	7.50	2.2	20.0
1,4-Dichlorobenzene	Ave	1.540	1.565		7.62	7.50	1.7	20.0
1,2-Dichlorobenzene	Ave	1.462	1.485		7.62	7.50	1.6	20.0
Benzyl alcohol	Ave	0.9720	0.996		7.68	7.50	2.5	20.0
Indene	Ave	2.230	2.301		7.74	7.50	3.2	20.0
2-Methylphenol	Ave	1.380	1.445	0.7000	7.85	7.50	4.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.232	2.490	0.0100	8.37	7.50	11.6	20.0
N-Nitrosopyrrolidine	Ave	0.7852	1.033		9.87	7.50	31.6*	20.0
Acetophenone	Ave	2.031	2.437	0.0100	9.00	7.50	20.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.158	1.384	0.5000	8.96	7.50	19.5	20.0
N-Nitrosomorpholine	Ave	1.075	1.234		8.61	7.50	14.8	20.0
o-Toluidine	Ave	2.353	2.679		8.54	7.50	13.9	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.442	1.868	0.6000	9.71	7.50	29.5*	20.0
Hexachloroethane	Ave	0.6551	0.7584	0.3000	8.68	7.50	15.8	20.0
Nitrobenzene	Ave	0.4610	0.4882	0.2000	7.94	7.50	5.9	20.0
N-Nitrosopiperidine	Ave	0.2055	0.2104		7.68	7.50	2.4	20.0
Isophorone	Ave	0.8296	0.8294	0.4000	7.50	7.50	-0.0	20.0
2-Nitrophenol	Ave	0.2013	0.1913	0.1000	7.13	7.50	-4.9	20.0
2,4-Dimethylphenol	Ave	0.3934	0.3879	0.2000	7.40	7.50	-1.4	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1692	0.1605		7.11	7.50	-5.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.5271	0.5444	0.3000	7.75	7.50	3.3	20.0
Benzoic acid	Ave	0.2479	0.2604		10.5	10.0	5.0	20.0
2,4-Dichlorophenol	Ave	0.2963	0.3102	0.2000	7.85	7.50	4.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3059	0.3148		7.72	7.50	2.9	20.0
Naphthalene	Ave	1.112	1.108	0.7000	7.47	7.50	-0.3	20.0
2,6-Dichlorophenol	Ave	0.2788	0.2928		7.88	7.50	5.0	20.0
4-Chloroaniline	Ave	0.4476	0.4692	0.0100	7.86	7.50	4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-19473/2 Calibration Date: 07/06/2020 09:05

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DG0151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.1897	0.1879		7.43	7.50	-1.0	20.0
Hexachlorobutadiene	Ave	0.1625	0.1640	0.0100	7.57	7.50	0.9	20.0
Quinoline	Ave	0.7058	0.7449		7.92	7.50	5.5	20.0
Caprolactam	Ave	0.1269	0.1310	0.0100	7.74	7.50	3.2	20.0
N-Nitrosodi-n-butylamine	Ave	0.3133	0.3798		9.09	7.50	21.2*	20.0
4-Chloro-3-methylphenol	Ave	0.3294	0.3457	0.2000	7.87	7.50	4.9	20.0
Safrole, Total	Ave	0.2665	0.2640		7.43	7.50	-0.9	20.0
2-Methylnaphthalene	Ave	0.7022	0.6708	0.4000	7.16	7.50	-4.5	20.0
1-Methylnaphthalene	Ave	0.6669	0.6658		7.49	7.50	-0.2	20.0
Hexachlorocyclopentadiene	Ave	0.3755	0.3227	0.0500	6.44	7.50	-14.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6094	0.5560	0.0100	6.84	7.50	-8.8	20.0
Isosafrole Peak 1	Ave	0.6599	0.5734		1.04	1.20	-13.1	20.0
2,4,6-Trichlorophenol	Ave	0.4238	0.4091	0.2000	7.24	7.50	-3.5	20.0
2,4,5-Trichlorophenol	Ave	0.4424	0.4294	0.2000	7.28	7.50	-2.9	20.0
Isosafrole Peak 2	Ave	0.6831	0.7349		6.78	6.30	7.6	20.0
2-Chloronaphthalene	Ave	1.367	1.078	0.8000	5.91	7.50	-21.1*	20.0
1,1'-Biphenyl	Ave	1.798	1.604	0.0100	6.69	7.50	-10.8	20.0
1-Chloronaphthalene	Ave	1.284	1.205		7.04	7.50	-6.1	20.0
Diphenyl ether	Ave	0.9517	0.8960		7.06	7.50	-5.9	20.0
2-Nitroaniline	Ave	0.4690	0.4459	0.0100	7.13	7.50	-4.9	20.0
1,4-Naphthoquinone	Ave	0.5716	0.5200		6.82	7.50	-9.0	20.0
1,3-Dinitrobenzene	Ave	0.2769	0.2282		6.18	7.50	-17.6	20.0
1,4-Dinitrobenzene	Ave	0.2505	0.2510		7.52	7.50	0.2	20.0
Dimethyl phthalate	Ave	1.466	1.356	0.0100	6.93	7.50	-7.5	20.0
2,6-Dinitrotoluene	Ave	0.3472	0.3373	0.2000	7.29	7.50	-2.8	20.0
Acenaphthylene	Ave	2.031	1.891	0.9000	6.98	7.50	-6.9	20.0
3-Nitroaniline	Ave	0.3852	0.4161	0.0100	8.10	7.50	8.0	20.0
Acenaphthene	Ave	1.402	1.369	0.9000	7.33	7.50	-2.3	20.0
2,4-Dinitrophenol	Ave	0.2480	0.2091	0.0100	8.43	10.0	-15.7	20.0
Pentachlorobenzene	Ave	0.4796	0.4572		7.15	7.50	-4.7	20.0
4-Nitrophenol	Ave	0.2532	0.2247	0.0100	6.66	7.50	-11.2	20.0
Dibenzofuran	Ave	1.880	1.731	0.8000	6.91	7.50	-7.9	20.0
2,4-Dinitrotoluene	Ave	0.4615	0.4207	0.2000	6.84	7.50	-8.8	20.0
1-Naphthylamine	Ave	1.409	1.265		6.73	7.50	-10.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3205	0.3049	0.0100	7.14	7.50	-4.9	20.0
2-Naphthylamine	Ave	1.367	1.191		6.54	7.50	-12.8	20.0
Diethyl phthalate	Ave	1.528	1.418	0.0100	6.96	7.50	-7.2	20.0
Fluorene	Ave	1.482	1.443	0.9000	7.30	7.50	-2.6	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6962	0.6469	0.4000	6.97	7.50	-7.1	20.0
5-Nitro-o-toluidine	Ave	0.4371	0.3897		6.69	7.50	-10.9	20.0
Thionazin	Ave	0.2844	0.2886		7.61	7.50	1.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-19473/2 Calibration Date: 07/06/2020 09:05

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DG0151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.4182	0.3579	0.0100	6.42	7.50	-14.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1558	0.1528	0.0100	7.35	7.50	-1.9	20.0
N-Nitrosodiphenylamine	Ave	0.6771	0.6903	0.0100	7.65	7.50	2.0	20.0
1,2-Diphenylhydrazine	Ave	0.9386	1.062		8.48	7.50	13.1	20.0
Sulfotepp	Ave	0.1549	0.1703		8.24	7.50	9.9	20.0
cis-Diallate	Ave	0.4201	0.4926		6.51	5.55	17.2	20.0
Phorate	Ave	0.5792	0.6990		9.05	7.50	20.7*	20.0
Phenacetin	Ave	0.4441	0.4623		7.81	7.50	4.1	20.0
4-Bromophenyl-phenylether	Ave	0.1877	0.2074	0.1000	8.29	7.50	10.5	20.0
Hexachlorobenzene	Ave	0.1982	0.2261	0.1000	8.56	7.50	14.1	20.0
trans-Diallate	Ave	0.4284	0.4784		2.18	1.95	11.7	20.0
Dimethoate	Ave	0.4243	0.4701		8.31	7.50	10.8	20.0
Atrazine	Ave	0.2108	0.2151	0.0100	7.65	7.50	2.0	20.0
Pentachlorophenol	Ave	0.1410	0.1417	0.0500	7.54	7.50	0.5	20.0
Pentachloronitrobenzene	Ave	0.0881	0.1014		8.63	7.50	15.1	20.0
4-Aminobiphenyl	Ave	0.7369	0.8053		8.20	7.50	9.3	20.0
Pronamide	Ave	0.3700	0.3850		7.80	7.50	4.0	20.0
Phenanthrene	Ave	1.136	1.154	0.7000	7.61	7.50	1.5	20.0
Dinoseb	Ave	0.2018	0.2090		7.76	7.50	3.5	20.0
Anthracene	Ave	1.138	1.187	0.7000	7.82	7.50	4.3	20.0
Carbazole	Ave	1.115	1.111	0.0100	7.47	7.50	-0.4	20.0
Methyl parathion	Ave	0.3348	0.3432		7.69	7.50	2.5	20.0
Di-n-butyl phthalate	Ave	1.442	1.527	0.0100	7.94	7.50	5.9	20.0
4-Nitroquinoline-1-oxide	Ave	0.1390	0.1279		6.90	7.50	-8.0	20.0
Parathion	Ave	0.1937	0.2451		9.49	7.50	26.6*	20.0
Octachlorostyrene	Ave	0.0774	0.0899		8.71	7.50	16.1	20.0
Isodrin	Ave	0.1400	0.1636		8.77	7.50	16.9	20.0
Fluoranthene	Ave	1.289	1.438	0.6000	8.37	7.50	11.6	20.0
Benidine	Ave	0.8455	0.8754		23.3	22.5	3.5	20.0
Pyrene	Ave	1.378	1.395	0.6000	7.59	7.50	1.2	20.0
p-Dimethylamino azobenzene	Ave	0.2342	0.2508		8.03	7.50	7.1	20.0
Chlorobenzilate	Ave	0.4289	0.4911		8.59	7.50	14.5	20.0
3,3'-Dimethylbenzidine	Ave	0.8571	0.9598		8.40	7.50	12.0	20.0
Butylbenzylphthalate	Ave	0.6732	0.7388	0.0100	8.23	7.50	9.8	20.0
2-Acetylaminofluorene	Ave	0.5065	0.5333		7.90	7.50	5.3	20.0
Benzo[a]anthracene	Ave	1.076	1.159	0.8000	8.08	7.50	7.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4308	0.4457	0.0100	7.76	7.50	3.5	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2327	0.2343			7.50	0.7	20.0
Chrysene	Ave	1.131	1.168	0.7000	7.75	7.50	3.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9517	1.005	0.0100	7.92	7.50	5.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-19473/2 Calibration Date: 07/06/2020 09:05
 Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07
 Lab File ID: DG0151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
6-Methylchrysene	Ave	0.8104	0.8337		7.72	7.50	2.9	20.0
Di-n-octyl phthalate	Ave	1.773	1.830	0.0100	7.74	7.50	3.2	20.0
Benzo[b]fluoranthene	Ave	1.188	1.269	0.7000	8.01	7.50	6.9	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5447	0.5618		7.73	7.50	3.1	20.0
Benzo[k]fluoranthene	Ave	1.203	1.285	0.7000	8.01	7.50	6.8	20.0
Benzo[a]pyrene	Ave	1.135	1.250	0.7000	8.26	7.50	10.1	20.0
3-Methylcholanthrene	Ave	0.5955	0.6225		7.84	7.50	4.5	20.0
Dibenz[a,h]acridine	Ave	0.8725	0.9220		7.93	7.50	5.7	20.0
Dibenz[a,j]acridine	Ave	0.9373	0.9819		7.86	7.50	4.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9560	1.097	0.5000	8.61	7.50	14.7	20.0
Dibenz(a,h)anthracene	Ave	1.023	1.141	0.4000	8.37	7.50	11.5	20.0
Benzo[g,h,i]perylene	Ave	1.043	1.175	0.5000	8.45	7.50	12.7	20.0
2-Fluorophenol (Surr)	Ave	1.507	1.705		17.0	15.0	13.2	20.0
Phenol-d5 (Surr)	Ave	2.014	2.099		15.6	15.0	4.2	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4572	0.4714		15.5	15.0	3.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.550	1.421		13.8	15.0	-8.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1554	0.1544		14.9	15.0	-0.6	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7586	0.8582		17.0	15.0	13.1	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0151.D
 Lims ID: CCVIS L5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 06-Jul-2020 09:05:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: CCVIS L5
 Misc. Info.: 410
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 11:17:25 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1060

First Level Reviewer: monbornee

Date: 06-Jul-2020 09:45:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.139	1.139	0.000	98	404004	7.50	10.6	
2 N-Nitrosodimethylamine	74	1.681	1.681	0.000	96	553669	7.50	9.24	
3 Pyridine	79	1.711	1.711	0.000	94	875777	7.50	8.40	
4 2-Picoline	93	3.069	3.069	0.000	91	843100	7.50	7.98	
5 N-Nitrosomethylethylamine	88	3.308	3.308	0.000	93	373375	7.50	8.24	
7 Methyl methanesulfonate	80	3.809	3.809	0.000	85	446381	7.50	9.20	
\$ 8 2-Fluorophenol	112	4.060	4.060	0.000	94	1449398	15.0	17.0	
9 N-Nitrosodiethylamine	102	4.403	4.403	0.000	98	382018	7.50	8.91	
10 Ethyl methanesulfonate	109	4.911	4.911	0.000	98	410859	7.50	9.10	
12 Benzaldehyde	77	5.342	5.342	0.000	94	616105	7.50	8.91	
15 Aniline	93	5.517	5.517	0.000	95	1186164	7.50	8.26	
\$ 13 Phenol-d5	99	5.523	5.523	0.000	97	1783932	15.0	15.6	
14 Phenol	94	5.540	5.540	0.000	93	1024556	7.50	8.81	
16 Bis(2-chloroethyl)ether	93	5.657	5.657	0.000	95	795588	7.50	8.18	
17 2-Chlorophenol	128	5.674	5.674	0.000	95	651044	7.50	7.75	
18 1,3-Dichlorobenzene	146	5.901	5.901	0.000	94	660469	7.50	7.66	
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	283340	5.00	5.00	s
20 1,4-Dichlorobenzene	146	6.024	6.024	0.000	90	665256	7.50	7.62	
22 1,2-Dichlorobenzene	146	6.239	6.239	0.000	93	631151	7.50	7.62	
21 Benzyl alcohol	108	6.251	6.251	0.000	90	423263	7.50	7.68	
24 Indene	115	6.374	6.374	0.000	89	978087	7.50	7.74	
23 2-Methylphenol	108	6.455	6.455	0.000	96	614340	7.50	7.85	
25 2,2'-oxybis[1-chloropropane]	45	6.478	6.478	0.000	95	1058391	7.50	8.37	
26 N-Nitrosopyrrolidine	100	6.612	6.612	0.000	91	439128	7.50	9.87	
27 Acetophenone	105	6.636	6.636	0.000	93	1035644	7.50	9.00	
29 N-Nitrosodi-n-propylamine	70	6.677	6.677	0.000	87	588101	7.50	8.96	
30 N-Nitrosomorpholine	56	6.682	6.682	0.000	88	524467	7.50	8.61	
31 2-Toluidine	106	6.688	6.688	0.000	96	1138725	7.50	8.54	
28 4-Methylphenol	108	6.700	6.700	0.000	90	793938	7.50	9.71	
32 Hexachloroethane	117	6.747	6.747	0.000	96	322306	7.50	8.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	6.851	6.851	0.000	89	1789609	15.0	15.5	
34 Nitrobenzene	77	6.875	6.875	0.000	88	926683	7.50	7.94	
35 N-Nitrosopiperidine	114	7.114	7.114	0.000	84	399356	7.50	7.68	
36 Isophorone	82	7.271	7.271	0.000	97	1574361	7.50	7.50	
37 2-Nitrophenol	139	7.370	7.370	0.000	91	363157	7.50	7.13	
38 2,4-Dimethylphenol	107	7.510	7.510	0.000	96	736294	7.50	7.40	
39 o,o',o"-Triethylphosphorothioat	198	7.633	7.633	0.000	93	304571	7.50	7.11	
41 Bis(2-chloroethoxy)methane	93	7.662	7.662	0.000	97	1033349	7.50	7.75	
40 Benzoic acid	105	7.714	7.714	0.000	89	658948	10.0	10.5	M
42 2,4-Dichlorophenol	162	7.755	7.755	0.000	97	588923	7.50	7.85	
43 1,2,4-Trichlorobenzene	180	7.871	7.871	0.000	93	597541	7.50	7.72	
* 44 Naphthalene-d8	136	7.941	7.941	0.000	99	1265501	5.00	5.00	s
45 Naphthalene	128	7.971	7.971	0.000	98	2103835	7.50	7.47	
46 4-Chloroaniline	127	8.105	8.105	0.000	88	890695	7.50	7.86	
47 2,6-Dichlorophenol	162	8.105	8.105	0.000	83	555823	7.50	7.88	
48 Hexachloropropene	213	8.122	8.122	0.000	90	356581	7.50	7.43	
49 Hexachlorobutadiene	225	8.210	8.210	0.000	97	311234	7.50	7.57	
50 Quinoline	129	8.513	8.513	0.000	96	1413982	7.50	7.92	
52 Caprolactam	113	8.664	8.664	0.000	76	248642	7.50	7.74	
53 N-Nitrosodi-n-butylamine	84	8.687	8.687	0.000	91	720895	7.50	9.09	
54 4-Chloro-3-methylphenol	107	8.932	8.932	0.000	95	656145	7.50	7.87	
55 Safrole, Total	162	8.991	8.991	0.000	85	501205	7.50	7.43	
56 2-Methylnaphthalene	142	9.078	9.078	0.000	92	1273344	7.50	7.16	
57 1-Methylnaphthalene	142	9.230	9.230	0.000	93	1263892	7.50	7.49	
58 Hexachlorocyclopentadiene	237	9.340	9.340	0.000	97	288194	7.50	6.44	
59 1,2,4,5-Tetrachlorobenzene	216	9.346	9.346	0.000	98	496628	7.50	6.84	
60 Isosafrole Peak 1	162	9.457	9.457	0.000	85	81941	1.20	1.04	
61 2,4,6-Trichlorophenol	196	9.556	9.556	0.000	95	365423	7.50	7.24	
62 2,4,5-Trichlorophenol	196	9.608	9.608	0.000	92	383502	7.50	7.28	
S 51 Diallate	86				0		7.50	8.68	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.702	9.702	0.000	100	2538540	15.0	13.8	
64 Isosafrole Peak 2	162	9.818	9.818	0.000	85	551359	6.30	6.78	
66 2-Chloronaphthalene	162	9.842	9.842	0.000	97	962623	7.50	5.91	
65 1,1'-Biphenyl	154	9.847	9.847	0.000	96	1432379	7.50	6.69	
67 1-Chloronaphthalene	162	9.871	9.871	0.000	97	1076252	7.50	7.04	
68 Phenyl ether	170	10.028	10.028	0.000	87	800325	7.50	7.06	
69 2-Nitroaniline	138	10.040	10.040	0.000	78	398253	7.50	7.13	
70 1,4-Naphthoquinone	158	10.145	10.145	0.000	81	464477	7.50	6.82	
73 1,3-Dinitrobenzene	168	10.290	10.290	0.000	84	203802	7.50	6.18	
71 1,4-Dinitrobenzene	168	10.401	10.401	0.000	46	224224	7.50	7.52	a
72 Dimethyl phthalate	163	10.401	10.401	0.000	90	1211012	7.50	6.93	
74 2,6-Dinitrotoluene	165	10.465	10.465	0.000	92	301293	7.50	7.29	
75 Acenaphthylene	152	10.489	10.489	0.000	99	1689133	7.50	6.98	
76 3-Nitroaniline	138	10.704	10.704	0.000	88	371619	7.50	8.10	
* 77 Acenaphthene-d10	164	10.722	10.722	0.000	97	595472	5.00	5.00	s
78 Acenaphthene	153	10.774	10.774	0.000	96	1223199	7.50	7.33	
79 2,4-Dinitrophenol	184	10.879	10.879	0.000	84	249006	10.0	8.43	
81 Pentachlorobenzene	250	10.990	10.990	0.000	96	408402	7.50	7.15	
80 4-Nitrophenol	109	11.048	11.048	0.000	84	200715	7.50	6.66	
83 Dibenzofuran	168	11.054	11.054	0.000	96	1546248	7.50	6.91	
82 2,4-Dinitrotoluene	165	11.101	11.101	0.000	87	375785	7.50	6.84	
84 1-Naphthylamine	143	11.188	11.188	0.000	98	1129752	7.50	6.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	11.275	11.275	0.000	78	272366	7.50	7.14	
86 2-Naphthylamine	143	11.322	11.322	0.000	95	1064250	7.50	6.54	
87 Diethyl phthalate	149	11.544	11.544	0.000	97	1266452	7.50	6.96	
89 Fluorene	166	11.590	11.590	0.000	96	1288964	7.50	7.30	
91 4-Chlorophenyl phenyl ether	204	11.637	11.637	0.000	92	577782	7.50	6.97	
90 N-Nitro-o-toluidine	152	11.643	11.643	0.000	78	348081	7.50	6.69	
88 Thionazin	107	11.643	11.643	0.000	76	257770	7.50	7.61	
92 4-Nitroaniline	138	11.654	11.654	0.000	79	319654	7.50	6.42	
93 4,6-Dinitro-2-methylphenol	198	11.707	11.707	0.000	77	229288	7.50	7.35	
94 N-Nitrosodiphenylamine	169	11.812	11.812	0.000	62	1035955	7.50	7.65	
95 1,2-Diphenylhydrazine	77	11.852	11.852	0.000	99	1593194	7.50	8.48	
\$ 96 2,4,6-Tribromophenol	330	11.922	11.922	0.000	82	275754	15.0	14.9	
97 Sulfotepp	97	12.080	12.080	0.000	78	255566	7.50	8.24	
98 cis-Diallate	86	12.196	12.196	0.000	91	546963	5.55	6.51	
99 Phorate	75	12.202	12.202	0.000	95	1048905	7.50	9.05	
100 Phenacetin	108	12.243	12.243	0.000	93	693699	7.50	7.81	
101 4-Bromophenyl phenyl ether	248	12.260	12.260	0.000	71	311256	7.50	8.29	
103 Hexachlorobenzene	284	12.290	12.290	0.000	91	339357	7.50	8.56	
102 trans-Diallate	86	12.295	12.295	0.000	94	186660	1.95	2.18	
104 Dimethoate	87	12.389	12.389	0.000	97	705463	7.50	8.31	
105 Atrazine	200	12.499	12.499	0.000	88	322828	7.50	7.65	
106 Pentachlorophenol	266	12.529	12.529	0.000	90	212685	7.50	7.54	
107 Pentachloronitrobenzene	237	12.540	12.540	0.000	83	152206	7.50	8.63	
108 4-Aminobiphenyl	169	12.552	12.552	0.000	90	1208456	7.50	8.20	
109 Pronamide	173	12.668	12.668	0.000	91	577723	7.50	7.80	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	97	1000430	5.00	5.00	s
112 Phenanthrene	178	12.756	12.756	0.000	99	1731324	7.50	7.61	
111 Dinoseb	211	12.785	12.785	0.000	94	313573	7.50	7.76	
113 Anthracene	178	12.820	12.820	0.000	99	1781230	7.50	7.82	
114 Carbazole	167	13.030	13.030	0.000	96	1667666	7.50	7.47	
115 Methyl parathion	109	13.234	13.234	0.000	91	514995	7.50	7.69	
116 Di-n-butyl phthalate	149	13.537	13.537	0.000	100	2291656	7.50	7.94	
118 4-Nitroquinoline-1-oxide	190	13.723	13.723	0.000	90	191914	7.50	6.90	
117 Ethyl Parathion	109	13.741	13.741	0.000	83	367819	7.50	9.49	
119 Octachlorostyrene	308	14.027	14.027	0.000	89	134953	7.50	8.71	
120 Isodrin	193	14.050	14.050	0.000	89	245573	7.50	8.77	
121 Fluoranthene	202	14.260	14.260	0.000	99	2158517	7.50	8.37	
122 Benzidine	184	14.510	14.510	0.000	99	4013042	22.5	23.3	
* 123 Pyrene-d10 (IS)	212	14.545	14.545	0.000	99	1018720	5.00	5.00	s
124 Pyrene	202	14.569	14.569	0.000	96	2131126	7.50	7.59	
\$ 125 p-Terphenyl-d14	244	14.872	14.872	0.000	99	2622865	15.0	17.0	
126 p-Dimethylamino azobenzene	225	15.093	15.093	0.000	92	383194	7.50	8.03	
127 Chlorobenzilate	139	15.186	15.186	0.000	84	750462	7.50	8.59	
128 3,3'-Dimethylbenzidine	212	15.624	15.624	0.000	99	1466577	7.50	8.40	
129 Butyl benzyl phthalate	149	15.699	15.699	0.000	96	1128957	7.50	8.23	
130 2-Acetylaminofluorene	181	16.020	16.020	0.000	95	814992	7.50	7.90	
132 Benzo[a]anthracene	228	16.475	16.475	0.000	99	1770797	7.50	8.08	
131 3,3'-Dichlorobenzidine	252	16.498	16.498	0.000	75	681109	7.50	7.76	
133 4,4'-Methylene bis(2-chloroani	231	16.527	16.527	0.000	93	358014	7.50	7.55	
134 Chrysene	228	16.533	16.533	0.000	97	1785185	7.50	7.75	
135 Bis(2-ethylhexyl) phthalate	149	16.748	16.748	0.000	98	1535575	7.50	7.92	
136 6-Methylchrysene	242	17.314	17.314	0.000	99	1273968	7.50	7.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	17.879	17.879	0.000	99	2618124	7.50	7.74	
138 Benzo[b]fluoranthene	252	18.270	18.270	0.000	98	1815950	7.50	8.01	
139 7,12-Dimethylbenz(a)anthracene	256	18.287	18.287	0.000	91	803862	7.50	7.73	
140 Benzo[k]fluoranthene	252	18.322	18.322	0.000	99	1839486	7.50	8.01	
141 Benzo[a]pyrene	252	18.777	18.777	0.000	80	1788316	7.50	8.26	
* 142 Perylene-d12	264	18.864	18.864	0.000	96	953985	5.00	5.00	s
143 3-Methylcholanthrene	268	19.354	19.354	0.000	94	890759	7.50	7.84	
144 Dibenz[a,h]acridine	279	20.147	20.147	0.000	92	1319342	7.50	7.93	
145 Dibenz[a,j]acridine	279	20.222	20.222	0.000	95	1405045	7.50	7.86	
146 Indeno[1,2,3-cd]pyrene	276	20.444	20.444	0.000	97	1569615	7.50	8.61	
147 Dibenz(a,h)anthracene	278	20.496	20.496	0.000	96	1633278	7.50	8.37	
148 Benzo[g,h,i]perylene	276	20.794	20.794	0.000	94	1681873	7.50	8.45	
S 152 Dinitrotoluene	165				0		15.0	14.1	
S 170 Isosafrole	162				0		7.50	7.82	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00005

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0151.D

Injection Date: 06-Jul-2020 09:05:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: CCVIS L5

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

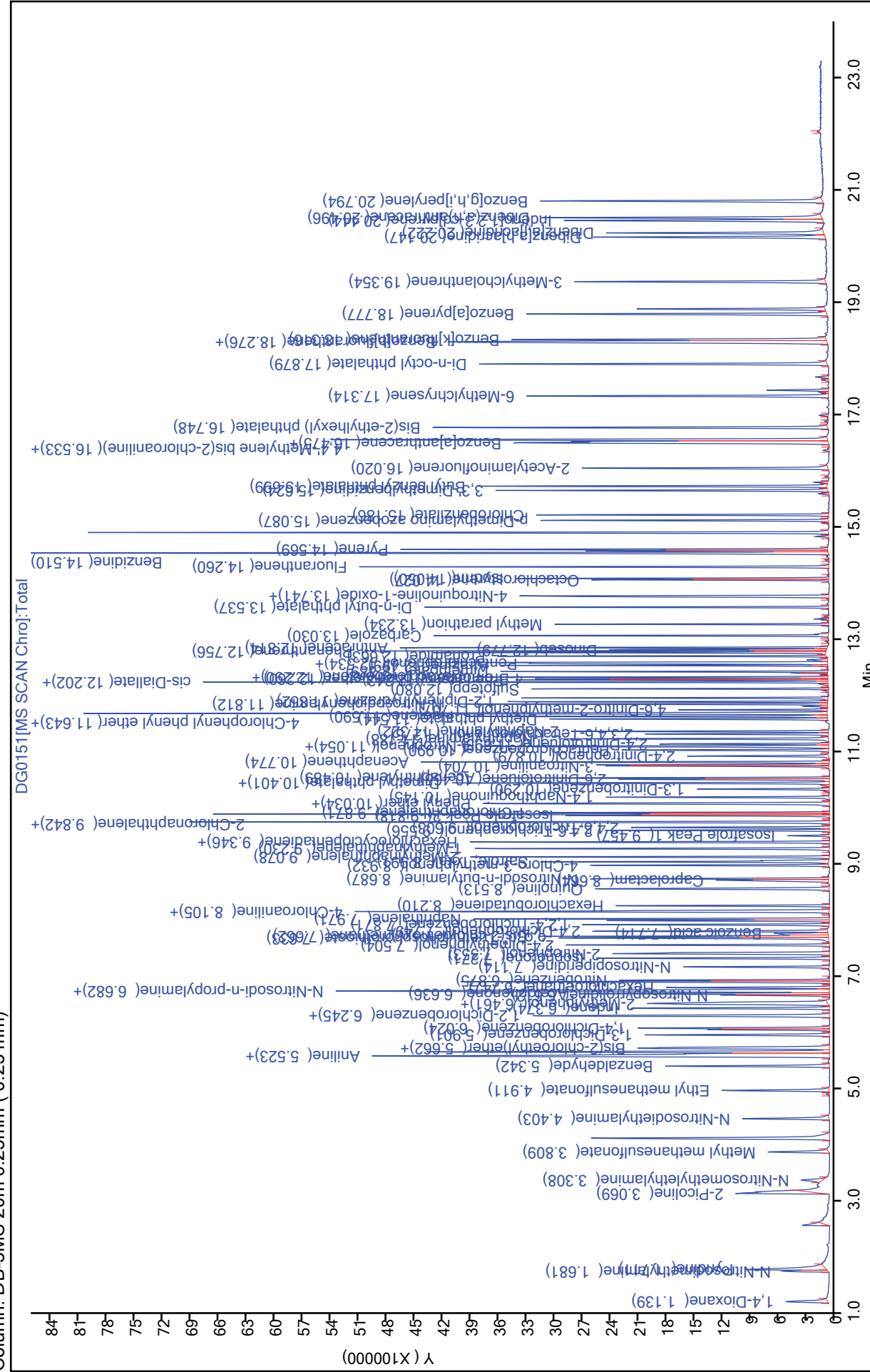
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0151.D

Injection Date: 06-Jul-2020 09:05:30

Instrument ID: HP19760

Lims ID: CCVIS L5

Client ID:

Operator ID: em10340

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

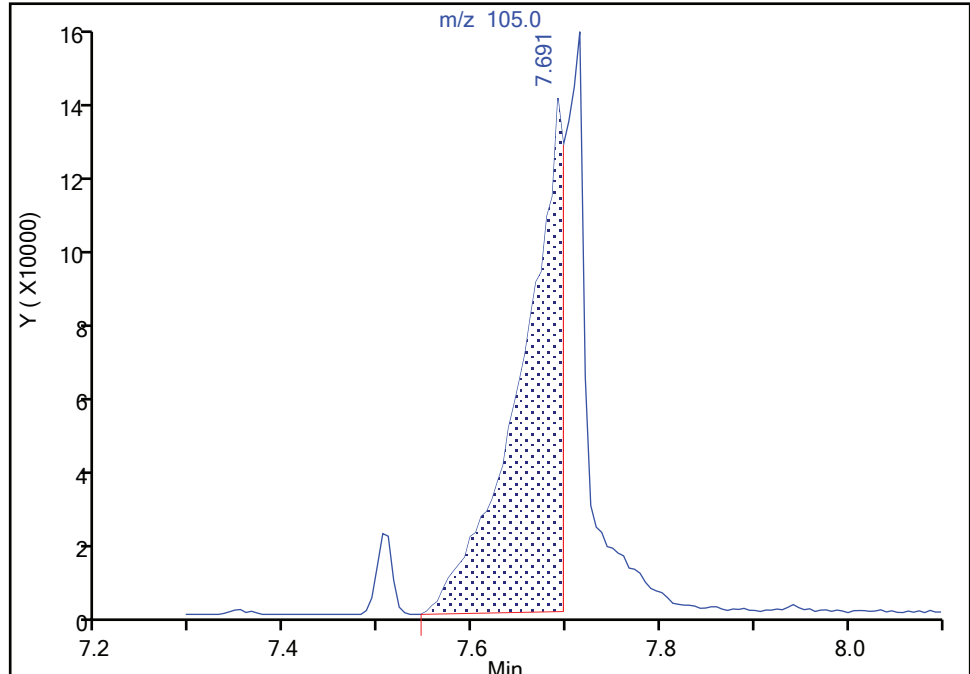
MS SCAN

40 Benzoic acid, CAS: 65-85-0

Signal: 1

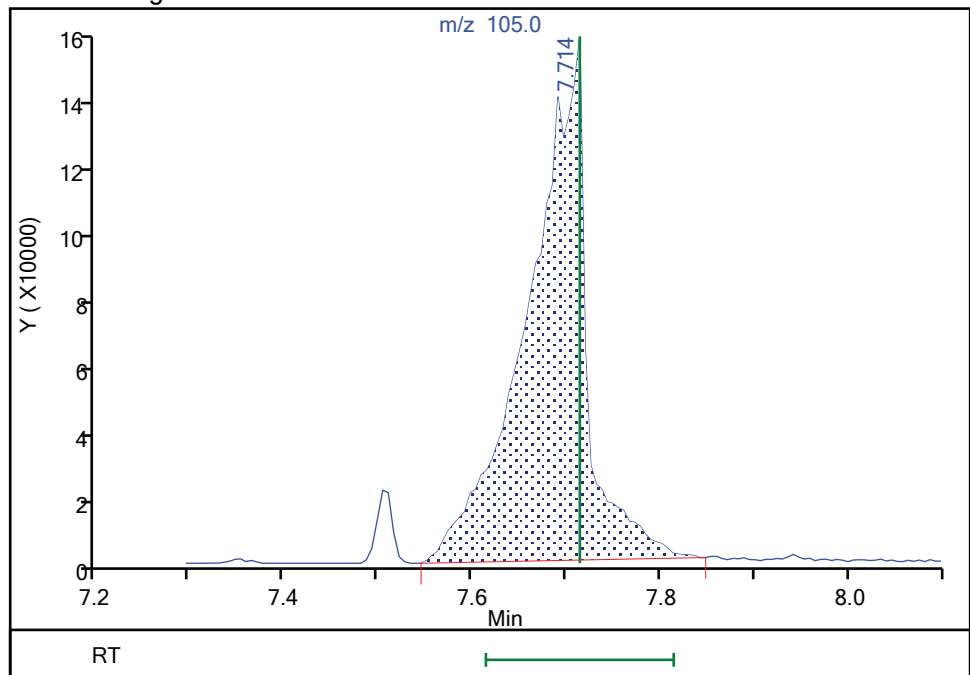
RT: 7.69
Area: 402905
Amount: 6.421102
Amount Units: ug/ml

Processing Integration Results



RT: 7.71
Area: 658948
Amount: 10.501663
Amount Units: ug/ml

Manual Integration Results



Reviewer: monbornee, 06-Jul-2020 09:40:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0151.D

Injection Date: 06-Jul-2020 09:05:30

Instrument ID: HP19760

Lims ID: CCVIS L5

Client ID:

Operator ID: em10340

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

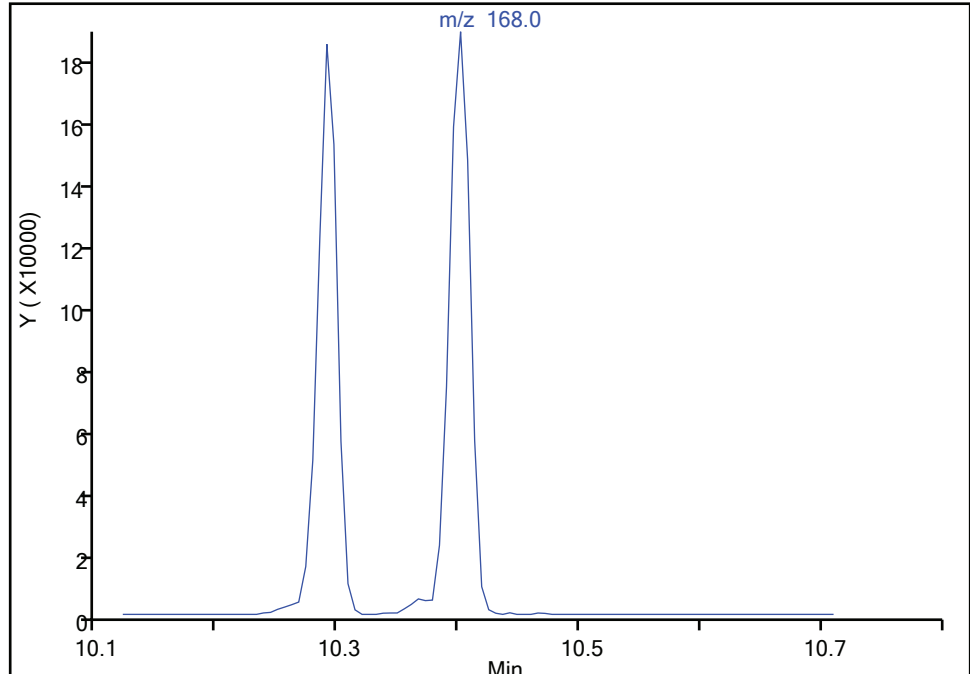
71 1,4-Dinitrobenzene, CAS: 100-25-4

Signal: 1

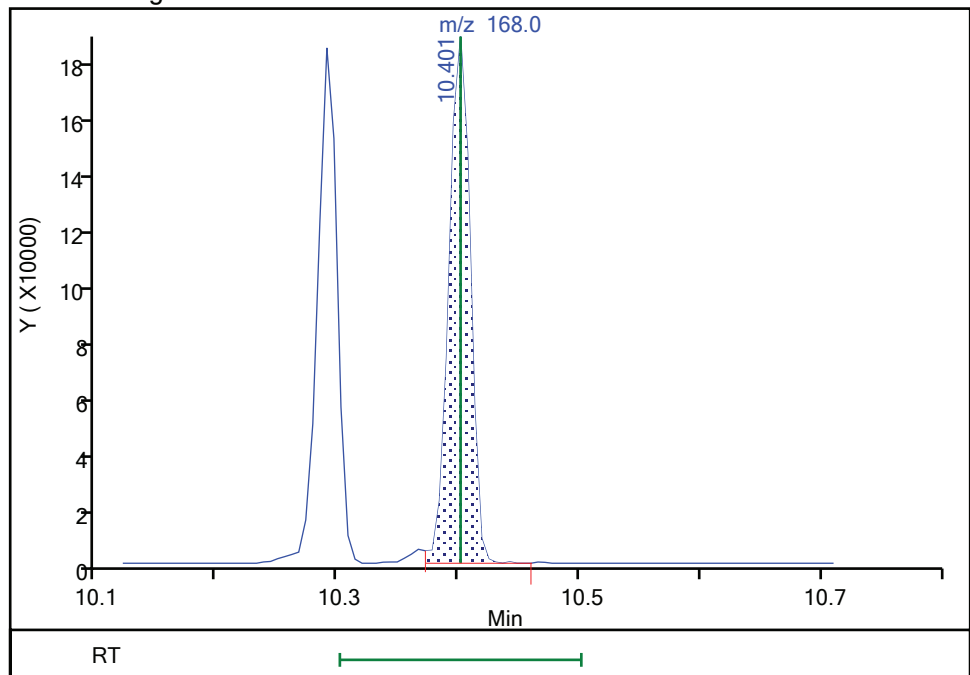
Not Detected

Expected RT: 10.40

Processing Integration Results



Manual Integration Results



Reviewer: monbornee, 06-Jul-2020 09:40:28

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-19744/2 Calibration Date: 07/06/2020 22:40
 Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07
 Lab File ID: DG0201.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6709	0.7332		8.20	7.50	9.3	20.0
N-Nitrosodimethylamine	Ave	1.057	1.148		8.15	7.50	8.6	20.0
Pyridine	Ave	1.840	1.810		7.38	7.50	-1.6	20.0
2-Picoline	Ave	1.864	1.927		7.75	7.50	3.3	20.0
N-Nitrosomethylethylamine	Ave	0.7994	0.7171		6.73	7.50	-10.3	20.0
Methyl methanesulfonate	Ave	0.8563	0.9685		8.48	7.50	13.1	20.0
N-Nitrosodiethylamine	Ave	0.7565	0.8002		7.93	7.50	5.8	20.0
Ethyl methanesulfonate	Ave	0.7969	0.8101		7.62	7.50	1.7	20.0
Benzaldehyde	Ave	1.221	1.373	0.0100	8.43	7.50	12.4	20.0
Aniline	Ave	2.535	2.809		8.31	7.50	10.8	20.0
Phenol	Ave	2.053	2.467	0.8000	9.01	7.50	20.2*	20.0
Bis(2-chloroethyl)ether	Ave	1.717	1.881	0.7000	8.22	7.50	9.5	20.0
2-Chlorophenol	Ave	1.483	1.567	0.8000	7.93	7.50	5.7	20.0
1,3-Dichlorobenzene	Ave	1.521	1.567		7.73	7.50	3.0	20.0
1,4-Dichlorobenzene	Ave	1.540	1.580		7.70	7.50	2.6	20.0
1,2-Dichlorobenzene	Ave	1.462	1.518		7.79	7.50	3.9	20.0
Benzyl alcohol	Ave	0.9720	1.008		7.78	7.50	3.7	20.0
Indene	Ave	2.230	2.335		7.85	7.50	4.7	20.0
2-Methylphenol	Ave	1.380	1.426	0.7000	7.75	7.50	3.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.232	2.409	0.0100	8.10	7.50	7.9	20.0
N-Nitrosopyrrolidine	Ave	0.7852	0.8417		8.04	7.50	7.2	20.0
Acetophenone	Ave	2.031	2.196	0.0100	8.11	7.50	8.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.158	1.291	0.5000	8.36	7.50	11.5	20.0
N-Nitrosomorpholine	Ave	1.075	1.138		7.94	7.50	5.9	20.0
o-Toluidine	Ave	2.353	2.502		7.98	7.50	6.3	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.442	1.663	0.6000	8.65	7.50	15.3	20.0
Hexachloroethane	Ave	0.6551	0.7271	0.3000	8.32	7.50	11.0	20.0
Nitrobenzene	Ave	0.4610	0.5038	0.2000	8.20	7.50	9.3	20.0
N-Nitrosopiperidine	Ave	0.2055	0.2034		7.42	7.50	-1.0	20.0
Isophorone	Ave	0.8296	0.8750	0.4000	7.91	7.50	5.5	20.0
2-Nitrophenol	Ave	0.2013	0.2041	0.1000	7.61	7.50	1.4	20.0
2,4-Dimethylphenol	Ave	0.3934	0.4065	0.2000	7.75	7.50	3.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1692	0.1611		7.14	7.50	-4.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.5271	0.5540	0.3000	7.88	7.50	5.1	20.0
Benzoic acid	Ave	0.2479	0.2962		11.9	10.0	19.5	20.0
2,4-Dichlorophenol	Ave	0.2963	0.3030	0.2000	7.67	7.50	2.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3059	0.3112		7.63	7.50	1.7	20.0
Naphthalene	Ave	1.112	1.111	0.7000	7.49	7.50	-0.0	20.0
2,6-Dichlorophenol	Ave	0.2788	0.2914		7.84	7.50	4.5	20.0
4-Chloroaniline	Ave	0.4476	0.4826	0.0100	8.09	7.50	7.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-19744/2 Calibration Date: 07/06/2020 22:40

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DG0201.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.1897	0.1821		7.20	7.50	-4.0	20.0
Hexachlorobutadiene	Ave	0.1625	0.1608	0.0100	7.42	7.50	-1.1	20.0
Quinoline	Ave	0.7058	0.7165		7.61	7.50	1.5	20.0
Caprolactam	Ave	0.1269	0.1296	0.0100	7.66	7.50	2.2	20.0
N-Nitrosodi-n-butylamine	Ave	0.3133	0.2987		7.15	7.50	-4.6	20.0
4-Chloro-3-methylphenol	Ave	0.3294	0.3450	0.2000	7.86	7.50	4.7	20.0
Safrole, Total	Ave	0.2665	0.2641		7.43	7.50	-0.9	20.0
2-Methylnaphthalene	Ave	0.7022	0.7203	0.4000	7.69	7.50	2.6	20.0
1-Methylnaphthalene	Ave	0.6669	0.6709		7.55	7.50	0.6	20.0
Hexachlorocyclopentadiene	Ave	0.3755	0.3406	0.0500	6.80	7.50	-9.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6094	0.6415	0.0100	7.90	7.50	5.3	20.0
Isosafrole Peak 1	Ave	0.6599	0.6341		1.15	1.20	-3.9	20.0
2,4,6-Trichlorophenol	Ave	0.4238	0.4423	0.2000	7.83	7.50	4.4	20.0
2,4,5-Trichlorophenol	Ave	0.4424	0.4672	0.2000	7.92	7.50	5.6	20.0
Isosafrole Peak 2	Ave	0.6831	0.7776		7.17	6.30	13.8	20.0
2-Chloronaphthalene	Ave	1.367	1.472	0.8000	8.08	7.50	7.7	20.0
1,1'-Biphenyl	Ave	1.798	1.884	0.0100	7.86	7.50	4.7	20.0
1-Chloronaphthalene	Ave	1.284	1.214		7.09	7.50	-5.4	20.0
Diphenyl ether	Ave	0.9517	1.000		7.88	7.50	5.1	20.0
2-Nitroaniline	Ave	0.4690	0.5022	0.0100	8.03	7.50	7.1	20.0
1,4-Naphthoquinone	Ave	0.5716	0.5763		7.56	7.50	0.8	20.0
1,3-Dinitrobenzene	Ave	0.2769	0.2435		6.59	7.50	-12.1	20.0
1,4-Dinitrobenzene	Ave	0.2505	0.2821		8.45	7.50	12.6	20.0
Dimethyl phthalate	Ave	1.466	1.529	0.0100	7.82	7.50	4.3	20.0
2,6-Dinitrotoluene	Ave	0.3472	0.3689	0.2000	7.97	7.50	6.3	20.0
Acenaphthylene	Ave	2.031	2.157	0.9000	7.97	7.50	6.2	20.0
3-Nitroaniline	Ave	0.3852	0.4047	0.0100	7.88	7.50	5.1	20.0
Acenaphthene	Ave	1.402	1.487	0.9000	7.96	7.50	6.1	20.0
2,4-Dinitrophenol	Ave	0.2480	0.2113	0.0100	8.52	10.0	-14.8	20.0
Pentachlorobenzene	Ave	0.4796	0.4950		7.74	7.50	3.2	20.0
4-Nitrophenol	Ave	0.2532	0.2567	0.0100	7.61	7.50	1.4	20.0
Dibenzofuran	Ave	1.880	1.972	0.8000	7.87	7.50	4.9	20.0
2,4-Dinitrotoluene	Ave	0.4615	0.4817	0.2000	7.83	7.50	4.4	20.0
1-Naphthylamine	Ave	1.409	1.481		7.88	7.50	5.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3205	0.3288	0.0100	7.69	7.50	2.6	20.0
2-Naphthylamine	Ave	1.367	1.397		7.67	7.50	2.2	20.0
Diethyl phthalate	Ave	1.528	1.634	0.0100	8.02	7.50	7.0	20.0
Fluorene	Ave	1.482	1.642	0.9000	8.31	7.50	10.9	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6962	0.7351	0.4000	7.92	7.50	5.6	20.0
5-Nitro-o-toluidine	Ave	0.4371	0.4772		8.19	7.50	9.2	20.0
Thionazin	Ave	0.2844	0.3360		8.86	7.50	18.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-19744/2 Calibration Date: 07/06/2020 22:40

Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07

Lab File ID: DG0201.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.4182	0.4385	0.0100	7.86	7.50	4.8	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1558	0.1490	0.0100	7.17	7.50	-4.4	20.0
N-Nitrosodiphenylamine	Ave	0.6771	0.7402	0.0100	8.20	7.50	9.3	20.0
1,2-Diphenylhydrazine	Ave	0.9386	1.134		9.06	7.50	20.9*	20.0
Sulfotepp	Ave	0.1549	0.1775		8.59	7.50	14.6	20.0
cis-Diallate	Ave	0.4201	0.4785		6.32	5.55	13.9	20.0
Phorate	Ave	0.5792	0.6721		8.70	7.50	16.0	20.0
Phenacetin	Ave	0.4441	0.4783		8.08	7.50	7.7	20.0
4-Bromophenyl-phenylether	Ave	0.1877	0.2079	0.1000	8.31	7.50	10.7	20.0
Hexachlorobenzene	Ave	0.1982	0.2094	0.1000	7.92	7.50	5.6	20.0
trans-Diallate	Ave	0.4284	0.4606		2.10	1.95	7.5	20.0
Dimethoate	Ave	0.4243	0.4654		8.23	7.50	9.7	20.0
Atrazine	Ave	0.2108	0.2110	0.0100	7.51	7.50	0.0	20.0
Pentachlorophenol	Ave	0.1410	0.1383	0.0500	7.36	7.50	-1.9	20.0
Pentachloronitrobenzene	Ave	0.0881	0.0931		7.92	7.50	5.6	20.0
4-Aminobiphenyl	Ave	0.7369	0.8079		8.22	7.50	9.6	20.0
Pronamide	Ave	0.3700	0.3896		7.90	7.50	5.3	20.0
Phenanthrene	Ave	1.136	1.229	0.7000	8.11	7.50	8.1	20.0
Dinoseb	Ave	0.2018	0.1932		7.18	7.50	-4.3	20.0
Anthracene	Ave	1.138	1.236	0.7000	8.14	7.50	8.6	20.0
Carbazole	Ave	1.115	1.190	0.0100	8.00	7.50	6.7	20.0
Methyl parathion	Ave	0.3348	0.3595		8.05	7.50	7.4	20.0
Di-n-butyl phthalate	Ave	1.442	1.577	0.0100	8.20	7.50	9.4	20.0
4-Nitroquinoline-1-oxide	Ave	0.1390	0.1016		5.48	7.50	-26.9*	20.0
Parathion	Ave	0.1937	0.2201		8.52	7.50	13.6	20.0
Octachlorostyrene	Ave	0.0774	0.0807		7.82	7.50	4.2	20.0
Isodrin	Ave	0.1400	0.1466		7.85	7.50	4.7	20.0
Fluoranthene	Ave	1.289	1.369	0.6000	7.96	7.50	6.2	20.0
Benidine	Ave	0.8455	0.9790		26.1	22.5	15.8	20.0
Pyrene	Ave	1.378	1.469	0.6000	8.00	7.50	6.7	20.0
p-Dimethylamino azobenzene	Ave	0.2342	0.2401		7.69	7.50	2.5	20.0
Chlorobenzilate	Ave	0.4289	0.4784		8.37	7.50	11.6	20.0
3,3'-Dimethylbenzidine	Ave	0.8571	0.8998		7.87	7.50	5.0	20.0
Butylbenzylphthalate	Ave	0.6732	0.7497	0.0100	8.35	7.50	11.4	20.0
2-Acetylaminofluorene	Ave	0.5065	0.5239		7.76	7.50	3.4	20.0
Benzo[a]anthracene	Ave	1.076	1.216	0.8000	8.47	7.50	13.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4308	0.4533	0.0100	7.89	7.50	5.2	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2327	0.2472			7.50	6.3	20.0
Chrysene	Ave	1.131	1.270	0.7000	8.42	7.50	12.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9517	1.033	0.0100	8.14	7.50	8.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-19744/2 Calibration Date: 07/06/2020 22:40
 Instrument ID: HP19760 Calib Start Date: 04/15/2020 15:41
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 04/15/2020 22:07
 Lab File ID: DG0201.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
6-Methylchrysene	Ave	0.8104	0.8337		7.72	7.50	2.9	20.0
Di-n-octyl phthalate	Ave	1.773	2.014	0.0100	8.52	7.50	13.6	20.0
Benzo[b]fluoranthene	Ave	1.188	1.393	0.7000	8.80	7.50	17.3	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5447	0.6264		8.62	7.50	15.0	20.0
Benzo[k]fluoranthene	Ave	1.203	1.416	0.7000	8.83	7.50	17.7	20.0
Benzo[a]pyrene	Ave	1.135	1.295	0.7000	8.55	7.50	14.0	20.0
3-Methylcholanthrene	Ave	0.5955	0.6114		7.70	7.50	2.7	20.0
Dibenz[a,h]acridine	Ave	0.8725	0.8292		7.13	7.50	-5.0	20.0
Dibenz[a,j]acridine	Ave	0.9373	0.8648		6.92	7.50	-7.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9560	0.9510	0.5000	7.46	7.50	-0.5	20.0
Dibenz(a,h)anthracene	Ave	1.023	1.006	0.4000	7.37	7.50	-1.7	20.0
Benzo[g,h,i]perylene	Ave	1.043	1.025	0.5000	7.37	7.50	-1.7	20.0
2-Fluorophenol (Surr)	Ave	1.507	1.600		15.9	15.0	6.2	20.0
Phenol-d5 (Surr)	Ave	2.014	2.120		15.8	15.0	5.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4572	0.4770		15.6	15.0	4.3	20.0
2-Fluorobiphenyl (Surr)	Ave	1.550	1.622		15.7	15.0	4.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1554	0.1666		16.1	15.0	7.2	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7586	0.8500		16.8	15.0	12.0	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0201.D
 Lims ID: CCVIS L5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 06-Jul-2020 22:40:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: CCVIS L5
 Misc. Info.: 410-0004927-002
 Operator ID: sw30417 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 07-Jul-2020 08:32:31 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1052

First Level Reviewer: williamss

Date: 06-Jul-2020 23:50:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.145	1.145	0.000	99	352571	7.50	8.20	
2 N-Nitrosodimethylamine	74	1.687	1.687	0.000	94	552183	7.50	8.15	
3 Pyridine	79	1.722	1.722	0.000	93	870364	7.50	7.38	
4 2-Picoline	93	3.080	3.080	0.000	91	926602	7.50	7.75	
5 N-Nitrosomethylethylamine	88	3.308	3.308	0.000	96	344840	7.50	6.73	
7 Methyl methanesulfonate	80	3.809	3.809	0.000	86	465751	7.50	8.48	
\$ 8 2-Fluorophenol	112	4.060	4.060	0.000	94	1539224	15.0	15.9	
9 N-Nitrosodiethylamine	102	4.409	4.409	0.000	96	384831	7.50	7.93	
10 Ethyl methanesulfonate	109	4.911	4.911	0.000	98	389565	7.50	7.62	
12 Benzaldehyde	77	5.342	5.342	0.000	95	660030	7.50	8.43	
15 Aniline	93	5.517	5.517	0.000	94	1350767	7.50	8.31	
\$ 13 Phenol-d5	99	5.528	5.528	0.000	97	2038621	15.0	15.8	
14 Phenol	94	5.546	5.546	0.000	90	1186362	7.50	9.01	
16 Bis(2-chloroethyl)ether	93	5.657	5.657	0.000	96	904437	7.50	8.22	
17 2-Chlorophenol	128	5.680	5.680	0.000	95	753352	7.50	7.93	
18 1,3-Dichlorobenzene	146	5.901	5.901	0.000	95	753626	7.50	7.73	
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	320596	5.00	5.00	s
20 1,4-Dichlorobenzene	146	6.024	6.024	0.000	90	759981	7.50	7.70	
22 1,2-Dichlorobenzene	146	6.239	6.239	0.000	95	729987	7.50	7.79	
21 Benzyl alcohol	108	6.251	6.251	0.000	90	484585	7.50	7.78	
24 Indene	115	6.379	6.379	0.000	89	1122995	7.50	7.85	
23 2-Methylphenol	108	6.455	6.455	0.000	95	685630	7.50	7.75	
25 2,2'-oxybis[1-chloropropane]	45	6.478	6.478	0.000	95	1158600	7.50	8.10	
26 N-Nitrosopyrrolidine	100	6.613	6.613	0.000	88	404770	7.50	8.04	
27 Acetophenone	105	6.636	6.636	0.000	95	1055929	7.50	8.11	
29 N-Nitrosodi-n-propylamine	70	6.677	6.677	0.000	87	620874	7.50	8.36	
30 N-Nitrosomorpholine	56	6.682	6.682	0.000	89	547309	7.50	7.94	
31 2-Toluidine	106	6.682	6.682	0.000	97	1203200	7.50	7.98	
28 4-Methylphenol	108	6.700	6.700	0.000	89	799782	7.50	8.65	
32 Hexachloroethane	117	6.747	6.747	0.000	94	349645	7.50	8.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	6.851	6.851	0.000	90	1710976	15.0	15.6	
34 Nitrobenzene	77	6.875	6.875	0.000	88	903481	7.50	8.20	
35 N-Nitrosopiperidine	114	7.114	7.114	0.000	81	364770	7.50	7.42	
36 Isophorone	82	7.271	7.271	0.000	97	1569169	7.50	7.91	
37 2-Nitrophenol	139	7.370	7.370	0.000	90	366042	7.50	7.61	
38 2,4-Dimethylphenol	107	7.504	7.504	0.000	96	729034	7.50	7.75	
39 o,o',o"-Triethylphosphorothioat	198	7.633	7.633	0.000	94	288970	7.50	7.14	
41 Bis(2-chloroethoxy)methane	93	7.662	7.662	0.000	97	993418	7.50	7.88	
40 Benzoic acid	105	7.708	7.708	0.000	87	708289	10.0	11.9	
42 2,4-Dichlorophenol	162	7.755	7.755	0.000	97	543382	7.50	7.67	
43 1,2,4-Trichlorobenzene	180	7.871	7.871	0.000	93	557991	7.50	7.63	
* 44 Naphthalene-d8	136	7.941	7.941	0.000	99	1195557	5.00	5.00	s
45 Naphthalene	128	7.971	7.971	0.000	98	1992505	7.50	7.49	
46 4-Chloroaniline	127	8.105	8.105	0.000	88	865440	7.50	8.09	
47 2,6-Dichlorophenol	162	8.105	8.105	0.000	78	522551	7.50	7.84	
48 Hexachloropropene	213	8.122	8.122	0.000	91	326638	7.50	7.20	
49 Hexachlorobutadiene	225	8.210	8.210	0.000	96	288321	7.50	7.42	
50 Quinoline	129	8.513	8.513	0.000	95	1284933	7.50	7.61	
52 Caprolactam	113	8.664	8.664	0.000	78	232480	7.50	7.66	
53 N-Nitrosodi-n-butylamine	84	8.693	8.693	0.000	94	535748	7.50	7.15	
54 4-Chloro-3-methylphenol	107	8.926	8.926	0.000	95	618759	7.50	7.86	
55 Safrole, Total	162	8.991	8.991	0.000	84	473541	7.50	7.43	
56 2-Methylnaphthalene	142	9.078	9.078	0.000	92	1291785	7.50	7.69	
57 1-Methylnaphthalene	142	9.230	9.230	0.000	93	1203192	7.50	7.55	
58 Hexachlorocyclopentadiene	237	9.340	9.340	0.000	97	280608	7.50	6.80	
59 1,2,4,5-Tetrachlorobenzene	216	9.346	9.346	0.000	98	528592	7.50	7.90	
60 Isosafrole Peak 1	162	9.457	9.457	0.000	87	83599	1.20	1.15	
61 2,4,6-Trichlorophenol	196	9.556	9.556	0.000	95	364429	7.50	7.83	
62 2,4,5-Trichlorophenol	196	9.603	9.603	0.000	92	384947	7.50	7.92	
S 51 Diallate	86				0		7.50	8.42	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.702	9.702	0.000	99	2672184	15.0	15.7	
64 Isosafrole Peak 2	162	9.818	9.818	0.000	83	538197	6.30	7.17	
66 2-Chloronaphthalene	162	9.842	9.842	0.000	95	1212887	7.50	8.08	
65 1,1'-Biphenyl	154	9.847	9.847	0.000	96	1552076	7.50	7.86	
67 1-Chloronaphthalene	162	9.871	9.871	0.000	98	1000485	7.50	7.09	
68 Phenyl ether	170	10.028	10.028	0.000	88	824347	7.50	7.88	
69 2-Nitroaniline	138	10.040	10.040	0.000	87	413813	7.50	8.03	
70 1,4-Naphthoquinone	158	10.145	10.145	0.000	80	474861	7.50	7.56	
73 1,3-Dinitrobenzene	168	10.290	10.290	0.000	83	200619	7.50	6.59	
71 1,4-Dinitrobenzene	168	10.401	10.401	0.000	48	232471	7.50	8.45	a
72 Dimethyl phthalate	163	10.401	10.401	0.000	89	1259643	7.50	7.82	
74 2,6-Dinitrotoluene	165	10.465	10.465	0.000	90	303982	7.50	7.97	
75 Acenaphthylene	152	10.489	10.489	0.000	99	1777668	7.50	7.97	
76 3-Nitroaniline	138	10.704	10.704	0.000	87	333467	7.50	7.88	
* 77 Acenaphthene-d10	164	10.722	10.722	0.000	96	549315	5.00	5.00	s
78 Acenaphthene	153	10.774	10.774	0.000	96	1225569	7.50	7.96	
79 2,4-Dinitrophenol	184	10.879	10.879	0.000	81	232143	10.0	8.52	
81 Pentachlorobenzene	250	10.990	10.990	0.000	96	407823	7.50	7.74	
80 4-Nitrophenol	109	11.042	11.042	0.000	84	211543	7.50	7.61	
83 Dibenzofuran	168	11.054	11.054	0.000	97	1624945	7.50	7.87	
82 2,4-Dinitrotoluene	165	11.095	11.095	0.000	86	396927	7.50	7.83	
84 1-Naphthylamine	143	11.188	11.188	0.000	98	1219913	7.50	7.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	11.275	11.275	0.000	78	270919	7.50	7.69	
86 2-Naphthylamine	143	11.322	11.322	0.000	95	1151376	7.50	7.67	
87 Diethyl phthalate	149	11.544	11.544	0.000	97	1346750	7.50	8.02	
89 Fluorene	166	11.590	11.590	0.000	96	1353334	7.50	8.31	
91 4-Chlorophenyl phenyl ether	204	11.643	11.643	0.000	89	605658	7.50	7.92	
90 N-Nitro-o-toluidine	152	11.643	11.643	0.000	78	393212	7.50	8.19	
88 Thionazin	107	11.643	11.643	0.000	80	276812	7.50	8.86	
92 4-Nitroaniline	138	11.654	11.654	0.000	81	361273	7.50	7.86	
93 4,6-Dinitro-2-methylphenol	198	11.707	11.707	0.000	74	222901	7.50	7.17	
94 N-Nitrosodiphenylamine	169	11.812	11.812	0.000	63	1107616	7.50	8.20	
95 1,2-Diphenylhydrazine	77	11.852	11.852	0.000	99	1697500	7.50	9.06	
\$ 96 2,4,6-Tribromophenol	330	11.922	11.922	0.000	81	274542	15.0	16.1	
97 Sulfotepp	97	12.080	12.080	0.000	77	265591	7.50	8.59	
98 cis-Diallate	86	12.196	12.196	0.000	90	529791	5.55	6.32	
99 Phorate	75	12.202	12.202	0.000	95	1005676	7.50	8.70	
100 Phenacetin	108	12.243	12.243	0.000	93	715604	7.50	8.08	
101 4-Bromophenyl phenyl ether	248	12.260	12.260	0.000	74	311016	7.50	8.31	
103 Hexachlorobenzene	284	12.290	12.290	0.000	90	313296	7.50	7.92	
102 trans-Diallate	86	12.295	12.295	0.000	92	179169	1.95	2.10	
104 Dimethoate	87	12.389	12.389	0.000	97	696409	7.50	8.23	
105 Atrazine	200	12.499	12.499	0.000	88	315725	7.50	7.51	
106 Pentachlorophenol	266	12.529	12.529	0.000	90	206988	7.50	7.36	
107 Pentachloronitrobenzene	237	12.540	12.540	0.000	82	139226	7.50	7.92	
108 4-Aminobiphenyl	169	12.552	12.552	0.000	90	1208894	7.50	8.22	
109 Pronamide	173	12.663	12.663	0.000	90	582877	7.50	7.90	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	97	997529	5.00	5.00	s
112 Phenanthrene	178	12.756	12.756	0.000	98	1838548	7.50	8.11	
111 Dinoseb	211	12.785	12.785	0.000	93	289074	7.50	7.18	
113 Anthracene	178	12.814	12.814	0.000	99	1849003	7.50	8.14	
114 Carbazole	167	13.030	13.030	0.000	96	1781141	7.50	8.00	
115 Methyl parathion	109	13.234	13.234	0.000	90	537964	7.50	8.05	
116 Di-n-butyl phthalate	149	13.537	13.537	0.000	100	2359587	7.50	8.20	
118 4-Nitroquinoline-1-oxide	190	13.723	13.723	0.000	87	151947	7.50	5.48	
117 Ethyl Parathion	109	13.741	13.741	0.000	83	329280	7.50	8.52	
119 Octachlorostyrene	308	14.032	14.032	0.000	90	120781	7.50	7.82	
120 Isodrin	193	14.050	14.050	0.000	86	219325	7.50	7.85	
121 Fluoranthene	202	14.260	14.260	0.000	99	2048066	7.50	7.96	
122 Benzidine	184	14.510	14.510	0.000	99	4221666	22.5	26.1	
* 123 Pyrene-d10 (IS)	212	14.545	14.545	0.000	98	958262	5.00	5.00	s
124 Pyrene	202	14.569	14.569	0.000	96	2112060	7.50	8.00	
\$ 125 p-Terphenyl-d14	244	14.872	14.872	0.000	99	2443460	15.0	16.8	
126 p-Dimethylamino azobenzene	225	15.093	15.093	0.000	92	345045	7.50	7.69	
127 Chlorobenzilate	139	15.186	15.186	0.000	82	687678	7.50	8.37	
128 3,3'-Dimethylbenzidine	212	15.624	15.624	0.000	99	1293399	7.50	7.87	
129 Butyl benzyl phthalate	149	15.699	15.699	0.000	96	1077612	7.50	8.35	
130 2-Acetylaminofluorene	181	16.020	16.020	0.000	96	753015	7.50	7.76	
132 Benzo[a]anthracene	228	16.475	16.475	0.000	99	1747674	7.50	8.47	
131 3,3'-Dichlorobenzidine	252	16.498	16.498	0.000	75	651631	7.50	7.89	
133 4,4'-Methylene bis(2-chloroani	231	16.527	16.527	0.000	94	355378	7.50	7.97	
134 Chrysene	228	16.533	16.533	0.000	98	1825214	7.50	8.42	
135 Bis(2-ethylhexyl) phthalate	149	16.749	16.749	0.000	98	1484523	7.50	8.14	
136 6-Methylchrysene	242	17.314	17.314	0.000	99	1198334	7.50	7.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	17.885	17.885	0.000	99	2440696	7.50	8.52	
138 Benzo[b]fluoranthene	252	18.270	18.270	0.000	98	1687567	7.50	8.80	
139 7,12-Dimethylbenz(a)anthracene	256	18.287	18.287	0.000	90	758935	7.50	8.62	
140 Benzo[k]fluoranthene	252	18.322	18.322	0.000	99	1715861	7.50	8.83	
141 Benzo[a]pyrene	252	18.777	18.777	0.000	80	1568698	7.50	8.55	
* 142 Perylene-d12	264	18.864	18.864	0.000	96	807751	5.00	5.00	s
143 3-Methylcholanthrene	268	19.354	19.354	0.000	94	740809	7.50	7.70	
144 Dibenz[a,h]acridine	279	20.147	20.147	0.000	92	1004720	7.50	7.13	
145 Dibenz[a,j]acridine	279	20.222	20.222	0.000	95	1047770	7.50	6.92	
146 Indeno[1,2,3-cd]pyrene	276	20.444	20.444	0.000	97	1152196	7.50	7.46	
147 Dibenz(a,h)anthracene	278	20.496	20.496	0.000	96	1218596	7.50	7.37	
148 Benzo[g,h,i]perylene	276	20.794	20.794	0.000	95	1242417	7.50	7.37	
S 152 Dinitrotoluene	165				0		15.0	15.8	
S 170 Isosafrole	162				0		7.50	8.32	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_5_00005

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0201.D

Injection Date: 06-Jul-2020 22:40:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: CCVIS L5

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

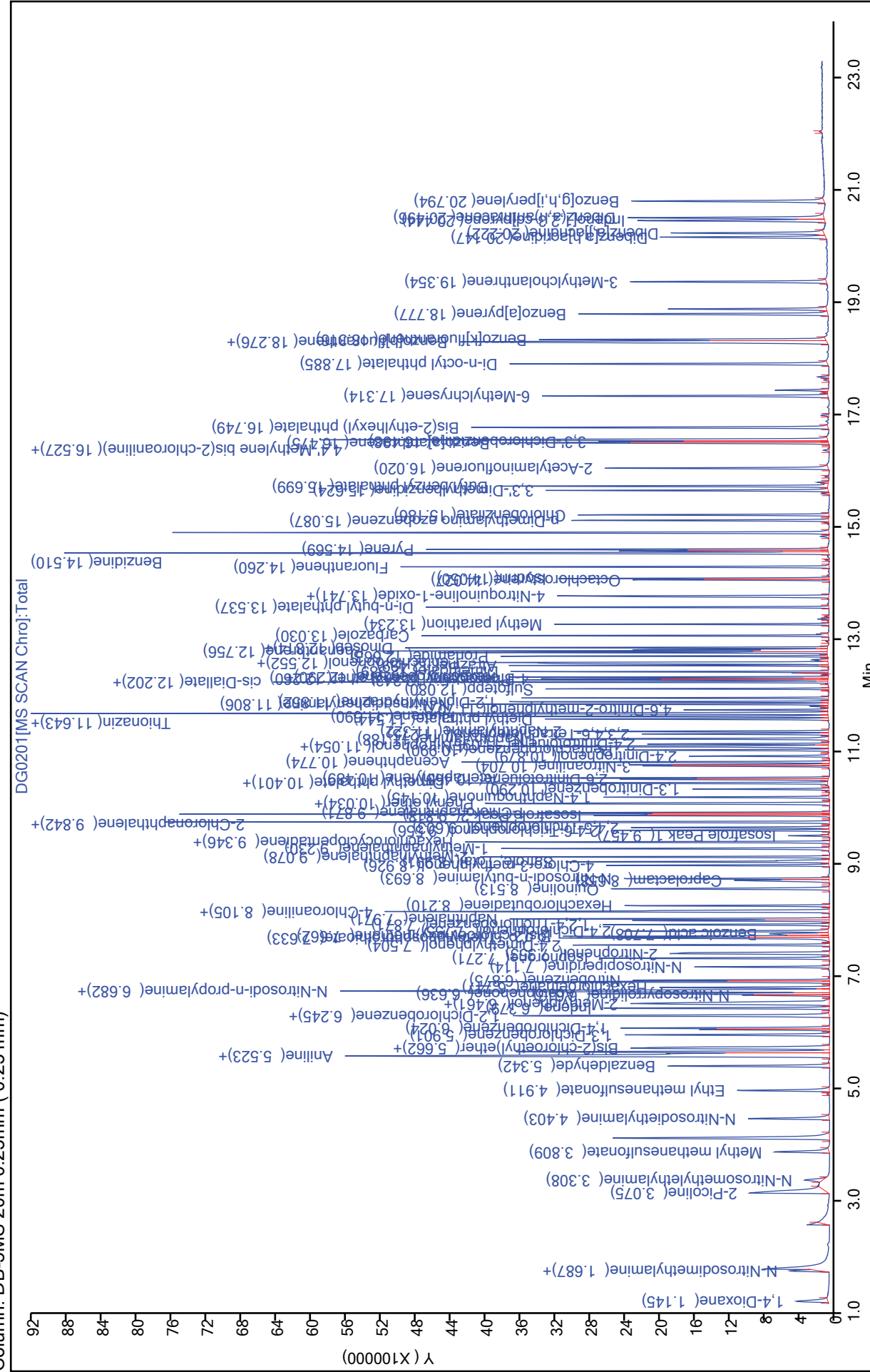
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0201.D

Injection Date: 06-Jul-2020 22:40:30

Instrument ID: HP19760

Lims ID: CCVIS L5

Client ID:

Operator ID: sw30417

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

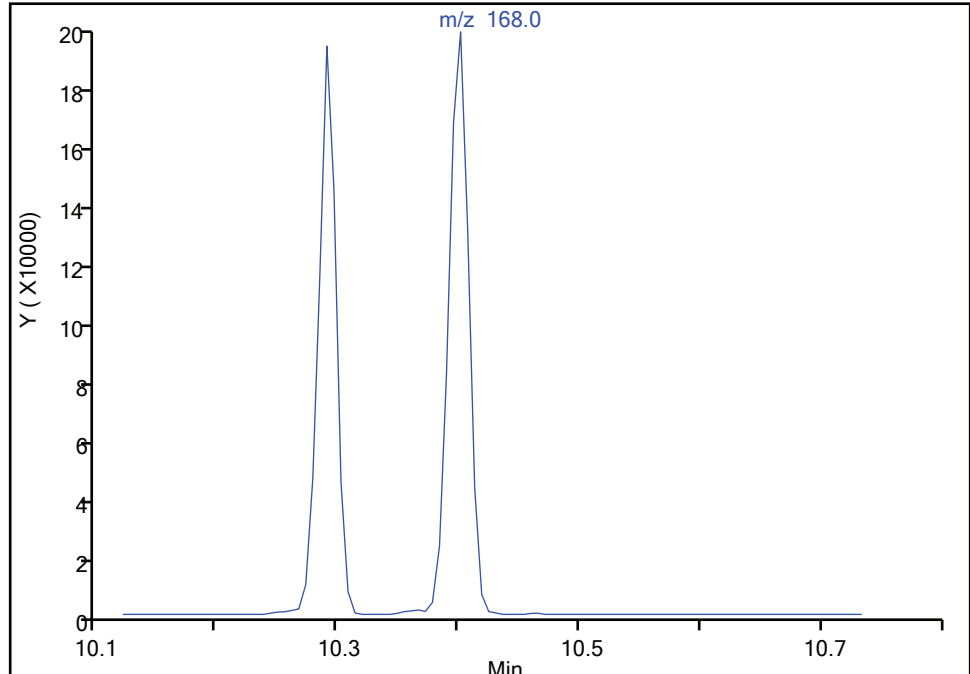
71 1,4-Dinitrobenzene, CAS: 100-25-4

Signal: 1

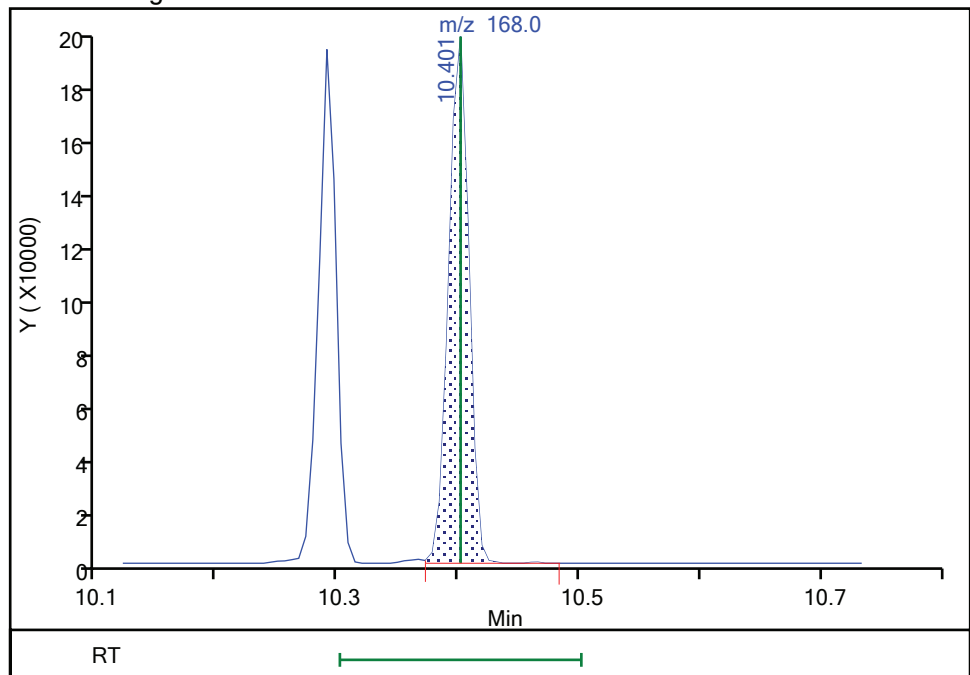
Not Detected

Expected RT: 10.40

Processing Integration Results



Manual Integration Results



RT: 10.40

Area: 232471

Amount: 8.448202

Amount Units: ug/ml

Reviewer: williamss, 06-Jul-2020 23:08:15

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: ICV 410-20279/12 Calibration Date: 07/08/2020 13:14

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0361.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7827	0.7783		12.4	12.5	-0.6	30.0
N-Nitrosodimethylamine	Ave	1.254	1.234		12.3	12.5	-1.6	30.0
Pyridine	Ave	2.122	1.887		11.1	12.5	-11.1	30.0
2-Picoline	Ave	2.195	2.149		12.2	12.5	-2.1	30.0
N-Nitrosomethylethylamine	Ave	0.9251	0.8960		12.1	12.5	-3.1	30.0
Methyl methanesulfonate	Ave	0.9950	1.056		13.3	12.5	6.1	30.0
N-Nitrosodiethylamine	Ave	0.8757	0.8993		12.8	12.5	2.7	30.0
Ethyl methanesulfonate	Ave	0.8978	0.8449		11.8	12.5	-5.9	30.0
Phenol	Ave	2.572	2.529	0.8000	12.3	12.5	-1.7	30.0
Aniline	Ave	3.064	2.603		10.6	12.5	-15.0	30.0
Bis(2-chloroethyl)ether	Ave	1.956	1.898	0.7000	12.1	12.5	-3.0	30.0
2-Chlorophenol	Ave	1.565	1.517	0.8000	12.1	12.5	-3.0	30.0
1,3-Dichlorobenzene	Ave	1.657	1.603		12.1	12.5	-3.2	30.0
1,4-Dichlorobenzene	Ave	1.687	1.621		12.0	12.5	-4.0	30.0
Benzyl alcohol	Ave	1.116	1.149		12.9	12.5	2.9	30.0
1,2-Dichlorobenzene	Ave	1.587	1.538		12.1	12.5	-3.1	30.0
Indene	Ave	2.485	2.827		14.2	12.5	13.8	30.0
2-Methylphenol	Ave	1.590	1.519	0.7000	11.9	12.5	-4.5	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.116	1.969	0.0100	11.6	12.5	-7.0	30.0
N-Nitrosopyrrolidine	Ave	0.9093	0.9228		12.7	12.5	1.5	30.0
Acetophenone	Ave	2.340	2.366	0.0100	12.6	12.5	1.1	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.702	1.601	0.6000	11.8	12.5	-6.0	30.0
N-Nitrosodi-n-propylamine	Ave	1.371	1.357	0.5000	12.4	12.5	-1.1	30.0
N-Nitrosomorpholine	Ave	1.150	1.079		11.7	12.5	-6.2	30.0
o-Toluidine	Ave	2.732	2.542		11.6	12.5	-7.0	30.0
Hexachloroethane	Ave	0.7504	0.7034	0.3000	11.7	12.5	-6.3	30.0
Nitrobenzene	Ave	0.5149	0.4875	0.2000	11.8	12.5	-5.3	30.0
N-Nitrosopiperidine	Ave	0.2077	0.2002		12.0	12.5	-3.6	30.0
Isophorone	Ave	0.9295	0.8628	0.4000	11.6	12.5	-7.2	30.0
2-Nitrophenol	Ave	0.2119	0.2017	0.1000	11.9	12.5	-4.8	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1929	0.1835		11.9	12.5	-4.9	30.0
Bis(2-chloroethoxy)methane	Ave	0.5809	0.5592	0.3000	12.0	12.5	-3.7	30.0
Benzoic acid	Ave	0.3038	0.3116		25.6	25.0	2.6	30.0
2,4-Dichlorophenol	Ave	0.3175	0.2947	0.2000	11.6	12.5	-7.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3384	0.3240		12.0	12.5	-4.2	30.0
Naphthalene	Ave	1.139	1.076	0.7000	11.8	12.5	-5.6	30.0
4-Chloroaniline	Ave	0.4669	0.4236	0.0100	11.3	12.5	-9.3	30.0
2,6-Dichlorophenol	Ave	0.3003	0.2914		12.1	12.5	-3.0	30.0
Hexachloropropene	Ave	0.2072	0.2124		12.8	12.5	2.5	30.0
Hexachlorobutadiene	Ave	0.1793	0.1750	0.0100	12.2	12.5	-2.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: ICV 410-20279/12 Calibration Date: 07/08/2020 13:14

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0361.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Quinoline	Ave	0.7447	0.6778		11.4	12.5	-9.0	30.0
N-Nitrosodi-n-butylamine	Ave	0.3608	0.3077		10.7	12.5	-14.7	30.0
4-Chloro-3-methylphenol	Ave	0.3694	0.3620	0.2000	12.2	12.5	-2.0	30.0
Safrole, Total	Ave	0.2903	0.2772		11.9	12.5	-4.5	30.0
2-Methylnaphthalene	Ave	0.7360	0.7052	0.4000	12.0	12.5	-4.2	30.0
1-Methylnaphthalene	Ave	0.6949	0.6337		11.4	12.5	-8.8	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6236	0.5980	0.0100	12.0	12.5	-4.1	30.0
Isosafrole Peak 1	Ave	0.6349	0.6185		1.46	1.50	-2.6	30.0
2,4,6-Trichlorophenol	Ave	0.4261	0.4290	0.2000	12.6	12.5	0.7	30.0
2,4,5-Trichlorophenol	Ave	0.4529	0.4376	0.2000	12.1	12.5	-3.4	30.0
Isosafrole Peak 2	Ave	0.6838	0.6644		10.7	11.0	-2.9	30.0
1,1'-Biphenyl	Ave	1.830	1.693	0.0100	11.6	12.5	-7.5	30.0
2-Chloronaphthalene	Ave	1.377	1.275	0.8000	11.6	12.5	-7.4	30.0
1-Chloronaphthalene	Ave	1.267	1.267		12.5	12.5	-0.0	30.0
Diphenyl ether	Lin1		0.8757		12.1	12.5	-3.1	30.0
2-Nitroaniline	Ave	0.4571	0.4522	0.0100	12.4	12.5	-1.1	30.0
1,4-Naphthoquinone	Ave	0.5742	0.5603		15.2	15.6	-2.4	30.0
1,4-Dinitrobenzene	Ave	0.2404	0.2417		12.6	12.5	0.6	30.0
Dimethyl phthalate	Ave	1.530	1.415	0.0100	11.6	12.5	-7.5	30.0
1,3-Dinitrobenzene	Ave	0.2697	0.2658		12.3	12.5	-1.5	30.0
2,6-Dinitrotoluene	Ave	0.3575	0.3478	0.2000	12.2	12.5	-2.7	30.0
Acenaphthylene	Ave	1.922	1.772	0.9000	11.5	12.5	-7.8	30.0
3-Nitroaniline	Ave	0.3924	0.4017	0.0100	12.8	12.5	2.4	30.0
Acenaphthene	Ave	1.404	1.318	0.9000	11.7	12.5	-6.2	30.0
2,4-Dinitrophenol	Ave	0.2500	0.2490	0.0100	24.9	25.0	-0.4	30.0
4-Nitrophenol	Ave	0.2773	0.2783	0.0100	12.5	12.5	0.4	30.0
Pentachlorobenzene	Ave	0.5132	0.4980		12.1	12.5	-2.9	30.0
2,4-Dinitrotoluene	Ave	0.4878	0.4718	0.2000	12.1	12.5	-3.3	30.0
Dibenzofuran	Ave	1.854	1.742	0.8000	11.7	12.5	-6.1	30.0
1-Naphthylamine	Ave	1.398	1.134		20.3	25.0	-18.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3537	0.3531	0.0100	12.5	12.5	-0.2	30.0
2-Naphthylamine	Ave	1.361	1.065		19.6	25.0	-21.8	30.0
Diethyl phthalate	Ave	1.496	1.411	0.0100	11.8	12.5	-5.7	30.0
Fluorene	Ave	1.477	1.401	0.9000	11.9	12.5	-5.2	30.0
Thionazin	Ave	0.3255	0.3228		12.4	12.5	-0.8	30.0
4-Chlorophenyl-phenyl ether	Ave	0.7239	0.6757	0.4000	11.7	12.5	-6.7	30.0
5-Nitro-o-toluidine	Ave	0.4281	0.4412		12.9	12.5	3.1	30.0
4-Nitroaniline	Ave	0.4248	0.4077	0.0100	12.0	12.5	-4.0	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1681	0.1662	0.0100	12.4	12.5	-1.1	30.0
N-Nitrosodiphenylamine	Ave	0.6635	0.6523	0.0100	12.3	12.5	-1.7	30.0
1,2-Diphenylhydrazine	Ave	1.029	1.009		12.3	12.5	-1.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: ICV 410-20279/12 Calibration Date: 07/08/2020 13:14

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0361.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Sulfotepp	Ave	0.1679	0.1647		12.3	12.5	-1.9	30.0
cis-Diallate	Ave	0.4625	0.4467		9.05	9.38	-3.4	30.0
Phorate	Ave	0.6080	0.6303		13.0	12.5	3.7	30.0
Phenacetin	Ave	0.4731	0.4666		12.3	12.5	-1.4	30.0
4-Bromophenyl-phenylether	Ave	0.2042	0.1967	0.1000	12.0	12.5	-3.7	30.0
trans-Diallate	Ave	0.4618	0.4402		2.98	3.13	-4.7	30.0
Hexachlorobenzene	Ave	0.2056	0.1904	0.1000	11.6	12.5	-7.4	30.0
Dimethoate	Ave	0.4429	0.4307		12.2	12.5	-2.8	30.0
Pentachlorophenol	Ave	0.1593	0.1616	0.0500	12.7	12.5	1.4	30.0
4-Aminobiphenyl	Ave	0.7283	0.8387		14.4	12.5	15.2	30.0
Pentachloronitrobenzene	Ave	0.0974	0.0955		12.3	12.5	-2.0	30.0
Pronamide	Ave	0.3686	0.3565		12.1	12.5	-3.3	30.0
Dinoseb	Ave	0.2139	0.2360		13.8	12.5	10.3	30.0
Phenanthrene	Ave	1.186	1.111	0.7000	11.7	12.5	-6.3	30.0
Anthracene	Ave	1.182	1.139	0.7000	12.0	12.5	-3.7	30.0
Carbazole	Ave	1.091	1.097	0.0100	12.6	12.5	0.6	30.0
Methyl parathion	Ave	0.3361	0.3354		12.5	12.5	-0.2	30.0
Di-n-butyl phthalate	Ave	1.400	1.366	0.0100	12.2	12.5	-2.5	30.0
Parathion	Ave	0.1959	0.2078		13.3	12.5	6.1	30.0
4-Nitroquinoline-1-oxide	Ave	0.1352	0.1563		173	150	15.6	30.0
Octachlorostyrene	Ave	0.0839	0.0809		12.0	12.5	-3.7	30.0
Isodrin	Ave	0.1423	0.1392		12.2	12.5	-2.2	30.0
Fluoranthene	Ave	1.334	1.290	0.6000	12.1	12.5	-3.4	30.0
Benzidine	Ave	0.8159	0.6254		47.9	62.5	-23.3	30.0
Pyrene	Ave	1.378	1.250	0.6000	11.3	12.5	-9.3	30.0
p-Dimethylamino azobenzene	Ave	0.2491	0.2643		13.3	12.5	6.1	30.0
Chlorobenzilate	Ave	0.4150	0.4046		12.2	12.5	-2.5	30.0
3,3'-Dimethylbenzidine	Ave	0.8707	0.6946		19.9	25.0	-20.2	30.0
Butylbenzylphthalate	Ave	0.6299	0.6053	0.0100	12.0	12.5	-3.9	30.0
2-Acetylaminofluorene	Ave	0.5009	0.5095		12.7	12.5	1.7	30.0
3,3'-Dichlorobenzidine	Ave	0.4572	0.4368	0.0100	11.9	12.5	-4.5	30.0
Benzo[a]anthracene	Ave	1.126	1.146	0.8000	12.7	12.5	1.7	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2485	0.2396			12.5	-3.6	30.0
Chrysene	Ave	1.190	1.104	0.7000	11.6	12.5	-7.2	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8748	0.8418	0.0100	12.0	12.5	-3.8	30.0
6-Methylchrysene	Ave	0.8540	0.8091		11.8	12.5	-5.3	30.0
Di-n-octyl phthalate	Ave	1.618	1.529	0.0100	11.8	12.5	-5.5	30.0
Benzo[b]fluoranthene	Ave	1.277	1.253	0.7000	12.3	12.5	-1.9	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5910	0.5844		12.4	12.5	-1.1	30.0
Benzo[k]fluoranthene	Ave	1.280	1.225	0.7000	12.0	12.5	-4.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: ICV 410-20279/12 Calibration Date: 07/08/2020 13:14
 Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48
 Lab File ID: DG0361.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	1.168	1.163	0.7000	12.4	12.5	-0.4	30.0
3-Methylcholanthrene	Ave	0.5672	0.5969		13.2	12.5	5.2	30.0
Dibenz[a,h]acridine	Ave	0.7932	0.7712		12.2	12.5	-2.8	30.0
Dibenz[a,j]acridine	Ave	0.8551	0.7778		11.4	12.5	-9.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.8620	0.8308	0.5000	12.0	12.5	-3.6	30.0
Dibenz(a,h)anthracene	Ave	0.9189	0.9455	0.4000	12.9	12.5	2.9	30.0
Benzo[g,h,i]perylene	Ave	0.9359	0.9038	0.5000	12.1	12.5	-3.4	30.0
2,4-Dimethylphenol	Ave	0.4353		0.2000		12.5		30.0
Hexachlorocyclopentadiene	Ave	0.3903		0.0500		25.0		30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0361.D
 Lims ID: ICV FULL
 Client ID:
 Sample Type: ICV
 Inject. Date: 08-Jul-2020 13:14:30 ALS Bottle#: 11 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ICV FULL
 Misc. Info.: 410-0005043-012
 Operator ID: em10340 Instrument ID: HP19760
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 10-Jul-2020 14:35:48 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1009

First Level Reviewer: monbornee

Date: 08-Jul-2020 14:48:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.611	2.588	0.023	94	442774	12.5	12.4	
2 N-Nitrosodimethylamine	74	3.148	3.130	0.018	87	701957	12.5	12.3	
3 Pyridine	79	3.183	3.165	0.018	99	1073342	12.5	11.1	
4 2-Picoline	93	4.325	4.319	0.006	91	1222434	12.5	12.2	
5 N-Nitrosomethylethylamine	88	4.512	4.506	0.006	83	509720	12.5	12.1	
7 Methyl methanesulfonate	80	4.954	4.949	0.005	85	600745	12.5	13.3	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	91	511597	12.5	12.8	
10 Ethyl methanesulfonate	109	5.957	5.957	0.000	98	480632	12.5	11.8	
14 Phenol	94	6.546	6.546	0.000	92	1438728	12.5	12.3	
15 Aniline	93	6.575	6.575	0.000	96	1480906	12.5	10.6	
16 Bis(2-chloroethyl)ether	93	6.691	6.686	0.005	96	1079844	12.5	12.1	
17 2-Chlorophenol	128	6.744	6.744	0.000	92	863181	12.5	12.1	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	95	911999	12.5	12.1	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	227550	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.088	7.082	0.006	90	921928	12.5	12.0	
21 Benzyl alcohol	108	7.268	7.268	0.000	91	653657	12.5	12.9	
22 1,2-Dichlorobenzene	146	7.303	7.303	0.000	94	874644	12.5	12.1	
24 Indene	115	7.437	7.437	0.000	88	1608413	12.5	14.2	
23 2-Methylphenol	108	7.443	7.443	0.000	95	863983	12.5	11.9	
25 2,2'-oxybis[1-chloropropane]	45	7.496	7.490	0.006	96	1119973	12.5	11.6	
26 N-Nitrosopyrrolidine	100	7.630	7.630	0.000	93	524971	12.5	12.7	
27 Acetophenone	105	7.665	7.665	0.000	92	1346168	12.5	12.6	
28 4-Methylphenol	108	7.682	7.676	0.006	97	910722	12.5	11.8	
29 N-Nitrosodi-n-propylamine	70	7.688	7.682	0.006	75	771743	12.5	12.4	
30 N-Nitrosomorpholine	56	7.700	7.694	0.006	91	613757	12.5	11.7	
31 2-Toluidine	106	7.717	7.717	0.000	94	1445840	12.5	11.6	
32 Hexachloroethane	117	7.816	7.811	0.005	96	400158	12.5	11.7	
34 Nitrobenzene	77	7.915	7.915	0.000	85	1102012	12.5	11.8	
35 N-Nitrosopiperidine	114	8.149	8.143	0.006	90	452649	12.5	12.0	
36 Isophorone	82	8.294	8.294	0.000	97	1950293	12.5	11.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 2-Nitrophenol	139	8.405	8.405	0.000	90	455905	12.5	11.9	
38 2,4-Dimethylphenol	107		8.492				ND	ND	U
39 o,o',o''-Triethylphosphorothioat	198	8.621	8.621	0.000	91	414828	12.5	11.9	
40 Benzoic acid	105	8.691	8.644	0.047	86	1408878	25.0	25.6	
41 Bis(2-chloroethoxy)methane	93	8.656	8.656	0.000	98	1264061	12.5	12.0	
42 2,4-Dichlorophenol	162	8.778	8.778	0.000	97	666250	12.5	11.6	
43 1,2,4-Trichlorobenzene	180	8.912	8.912	0.000	93	732482	12.5	12.0	
* 44 Naphthalene-d8	136	8.994	8.994	0.000	100	904218	5.00	5.00	
45 Naphthalene	128	9.029	9.029	0.000	98	2431568	12.5	11.8	
46 4-Chloroaniline	127	9.122	9.122	0.000	94	957584	12.5	11.3	
47 2,6-Dichlorophenol	162	9.134	9.134	0.000	94	658715	12.5	12.1	
48 Hexachloropropene	213	9.174	9.174	0.000	90	480141	12.5	12.8	
49 Hexachlorobutadiene	225	9.244	9.244	0.000	97	395649	12.5	12.2	
50 Quinoline	129	9.559	9.553	0.006	95	1532109	12.5	11.4	
S 51 Diallate	86				0		12.5	12.0	
53 N-Nitrosodi-n-butylamine	84	9.693	9.693	0.000	92	695643	12.5	10.7	
54 4-Chloro-3-methylphenol	107	9.909	9.909	0.000	93	818418	12.5	12.2	
55 Safrole, Total	162	10.014	10.014	0.000	86	626587	12.5	11.9	
56 2-Methylnaphthalene	142	10.130	10.130	0.000	92	1594223	12.5	12.0	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	95	1432473	12.5	11.4	
58 Hexachlorocyclopentadiene	237		10.393				ND	ND	U
59 1,2,4,5-Tetrachlorobenzene	216	10.398	10.398	0.000	98	671079	12.5	12.0	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	86	83295	1.50	1.46	
61 2,4,6-Trichlorophenol	196	10.585	10.585	0.000	94	481399	12.5	12.6	
62 2,4,5-Trichlorophenol	196	10.632	10.637	-0.005	91	491101	12.5	12.1	
64 Isosafrole Peak 2	162	10.847	10.847	0.000	87	656070	11.0	10.7	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	96	1900227	12.5	11.6	
66 2-Chloronaphthalene	162	10.906	10.906	0.000	98	1431039	12.5	11.6	
67 1-Chloronaphthalene	162	10.935	10.935	0.000	97	1421675	12.5	12.5	
68 Phenyl ether	170	11.069	11.069	0.000	87	982735	12.5	12.1	
69 2-Nitroaniline	138	11.080	11.075	0.005	79	507505	12.5	12.4	
70 1,4-Naphthoquinone	158	11.191	11.191	0.000	83	785941	15.6	15.2	
71 1,4-Dinitrobenzene	168	11.314	11.314	0.000	87	271252	12.5	12.6	
72 Dimethyl phthalate	163	11.413	11.413	0.000	96	1588324	12.5	11.6	
73 1,3-Dinitrobenzene	168	11.424	11.424	0.000	84	298230	12.5	12.3	
74 2,6-Dinitrotoluene	165	11.483	11.483	0.000	90	390319	12.5	12.2	
75 Acenaphthylene	152	11.553	11.558	-0.006	99	1988470	12.5	11.5	
76 3-Nitroaniline	138	11.716	11.716	0.000	88	450760	12.5	12.8	
* 77 Acenaphthene-d10	164	11.768	11.768	0.000	97	448881	5.00	5.00	
78 Acenaphthene	153	11.815	11.815	0.000	96	1479151	12.5	11.7	
79 2,4-Dinitrophenol	184	11.873	11.867	0.006	84	558940	25.0	24.9	
80 4-Nitrophenol	109	11.972	11.966	0.006	84	312269	12.5	12.5	
81 Pentachlorobenzene	250	11.995	11.995	0.000	97	558903	12.5	12.1	
83 Dibenzofuran	168	12.054	12.054	0.000	96	1954349	12.5	11.7	
82 2,4-Dinitrotoluene	165	12.054	12.054	0.000	83	529461	12.5	12.1	
84 1-Naphthylamine	143	12.159	12.153	0.006	98	2545620	25.0	20.3	
85 2,3,4,6-Tetrachlorophenol	232	12.217	12.217	0.000	77	396274	12.5	12.5	
86 2-Naphthylamine	143	12.258	12.258	0.000	95	2390063	25.0	19.6	
87 Diethyl phthalate	149	12.398	12.398	0.000	97	1583388	12.5	11.8	
88 Thionazin	107	12.485	12.485	0.000	79	362208	12.5	12.4	
89 Fluorene	166	12.485	12.485	0.000	94	1571768	12.5	11.9	
91 4-Chlorophenyl phenyl ether	204	12.508	12.508	0.000	86	758240	12.5	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 N-Nitro-o-toluidine	152	12.508	12.508	0.000	85	495107	12.5	12.9	
92 4-Nitroaniline	138	12.514	12.514	0.000	79	457563	12.5	12.0	
93 4,6-Dinitro-2-methylphenol	198	12.555	12.555	0.000	83	351853	12.5	12.4	
94 N-Nitrosodiphenylamine	169	12.648	12.648	0.000	63	1381121	12.5	12.3	
95 1,2-Diphenylhydrazine	77	12.695	12.695	0.000	98	2136171	12.5	12.3	
97 Sulfotepp	97	12.876	12.876	0.000	79	348759	12.5	12.3	
98 cis-Diallate	86	13.021	13.021	0.000	90	709265	9.38	9.05	
99 Phorate	75	13.027	13.027	0.000	96	1334377	12.5	13.0	
100 Phenacetin	108	13.045	13.045	0.000	92	987897	12.5	12.3	
101 4-Bromophenyl phenyl ether	248	13.103	13.103	0.000	70	416489	12.5	12.0	
102 trans-Diallate	86	13.126	13.126	0.000	98	232977	3.13	2.98	
103 Hexachlorobenzene	284	13.155	13.155	0.000	91	403055	12.5	11.6	
104 Dimethoate	87	13.225	13.225	0.000	97	911802	12.5	12.2	
106 Pentachlorophenol	266	13.412	13.412	0.000	91	342070	12.5	12.7	
108 4-Aminobiphenyl	169	13.424	13.423	0.001	91	1775569	12.5	14.4	
107 Pentachloronitrobenzene	237	13.424	13.429	-0.005	47	202264	12.5	12.3	a
109 Pronamide	173	13.523	13.523	0.000	90	754805	12.5	12.1	
* 110 Phenanthrene-d10	188	13.651	13.651	0.000	97	846873	5.00	5.00	
111 Dinoseb	211	13.662	13.662	0.000	94	499676	12.5	13.8	
112 Phenanthrene	178	13.680	13.680	0.000	98	2352248	12.5	11.7	
113 Anthracene	178	13.750	13.750	0.000	99	2411086	12.5	12.0	
114 Carbazole	167	13.966	13.966	0.000	96	2322729	12.5	12.6	
115 Methyl parathion	109	14.170	14.170	0.000	90	710042	12.5	12.5	
116 Di-n-butyl phthalate	149	14.490	14.478	0.012	100	2891067	12.5	12.2	
117 Ethyl Parathion	109	14.723	14.723	0.000	83	439992	12.5	13.3	
118 4-Nitroquinoline-1-oxide	190	14.770	14.735	0.035	95	3970280	150.0	173.3	E
119 Octachlorostyrene	308	15.073	15.079	-0.006	89	171182	12.5	12.0	
120 Isodrin	193	15.131	15.131	0.000	92	294652	12.5	12.2	
121 Fluoranthene	202	15.353	15.347	0.006	99	2730111	12.5	12.1	
122 Benzidine	184	15.586	15.580	0.006	99	7013036	62.5	47.9	
* 123 Pyrene-d10 (IS)	212	15.668	15.668	0.000	99	897114	5.00	5.00	
124 Pyrene	202	15.697	15.697	0.000	96	2803080	12.5	11.3	
126 p-Dimethylamino azobenzene	225	16.210	16.215	-0.005	92	592762	12.5	13.3	
127 Chlorobenzilate	139	16.303	16.303	0.000	87	907500	12.5	12.2	
128 3,3'-Dimethylbenzidine	212	16.781	16.775	0.006	99	3115515	25.0	19.9	
129 Butyl benzyl phthalate	149	16.839	16.839	0.000	95	1357511	12.5	12.0	
130 2-Acetylaminofluorene	181	17.200	17.200	0.000	95	1142605	12.5	12.7	
131 3,3'-Dichlorobenzidine	252	17.713	17.713	0.000	79	979588	12.5	11.9	
132 Benzo[a]anthracene	228	17.725	17.725	0.000	99	2569489	12.5	12.7	
133 4,4'-Methylene bis(2-chloroaniline)	231	17.731	17.731	0.000	93	537253	12.5	12.0	
134 Chrysene	228	17.783	17.789	-0.006	97	2474935	12.5	11.6	
135 Bis(2-ethylhexyl) phthalate	149	17.912	17.912	0.000	97	1887874	12.5	12.0	
136 6-Methylchrysene	242	18.594	18.593	0.001	100	1814569	12.5	11.8	
137 Di-n-octyl phthalate	149	19.077	19.083	-0.006	99	3243943	12.5	11.8	
138 Benzo[b]fluoranthene	252	19.584	19.584	0.000	98	2657611	12.5	12.3	
139 7,12-Dimethylbenz(a)anthracene	256	19.596	19.590	0.006	91	1239760	12.5	12.4	
140 Benzo[k]fluoranthene	252	19.637	19.637	0.000	99	2598034	12.5	12.0	
141 Benzo[a]pyrene	252	20.115	20.115	0.000	80	2466764	12.5	12.4	
* 142 Perylene-d12	264	20.202	20.202	0.000	96	848509	5.00	5.00	
143 3-Methylcholanthrene	268	20.686	20.692	-0.006	93	1266071	12.5	13.2	
144 Dibenz[a,h]acridine	279	21.502	21.502	0.000	92	1635822	12.5	12.2	
145 Dibenz[a,j]acridine	279	21.572	21.572	0.000	95	1649967	12.5	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
146 Indeno[1,2,3-cd]pyrene	276	21.828	21.828	0.000	98	1762289	12.5	12.0	
147 Dibenz(a,h)anthracene	278	21.869	21.869	0.000	94	2005631	12.5	12.9	
148 Benzo[g,h,i]perylene	276	22.236	22.236	0.000	95	1917271	12.5	12.1	
S 170 Isosafrole	162				0		12.5	12.1	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00004

Amount Added: 1.00

Units: mL

Report Date: 10-Jul-2020 14:36:07

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0361.D

Injection Date: 08-Jul-2020 13:14:30

Injection Date: 08-Jul-2022

08-Jul-2020 13:14:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: ICV FULL

ICV FULL

Worklist Smp#:

12

Injection Vol: 1.0 ul

1.0 μ l

Dil. Factor:

1.0000

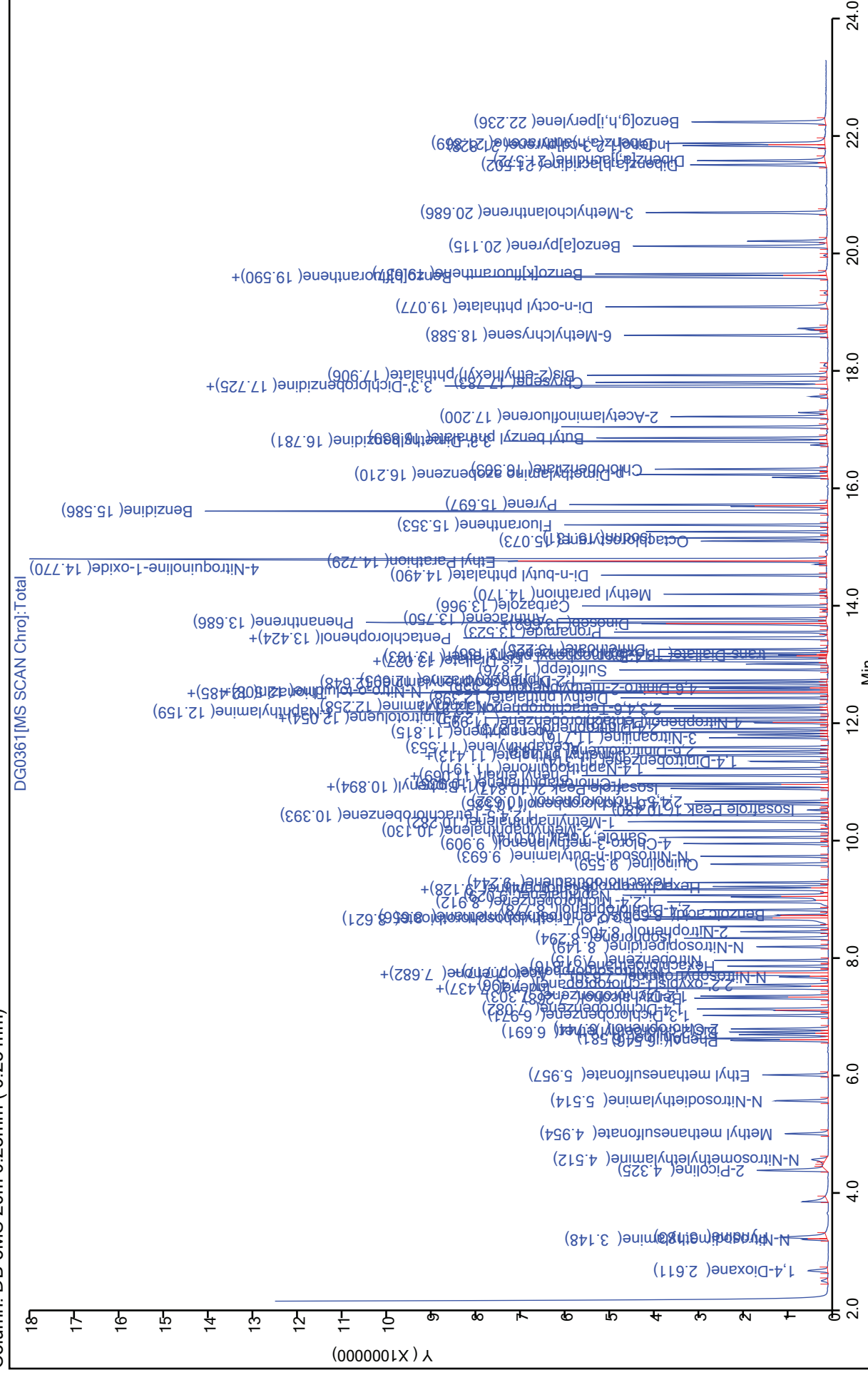
ALS Bottle#:

11

Method: MSSemi HP19760

Limit Group: MSSV - 8270D F1V1

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0361.D

Injection Date: 08-Jul-2020 13:14:30

Instrument ID: HP19760

Lims ID: ICV FULL

Client ID:

Operator ID: em10340

ALS Bottle#:

11

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

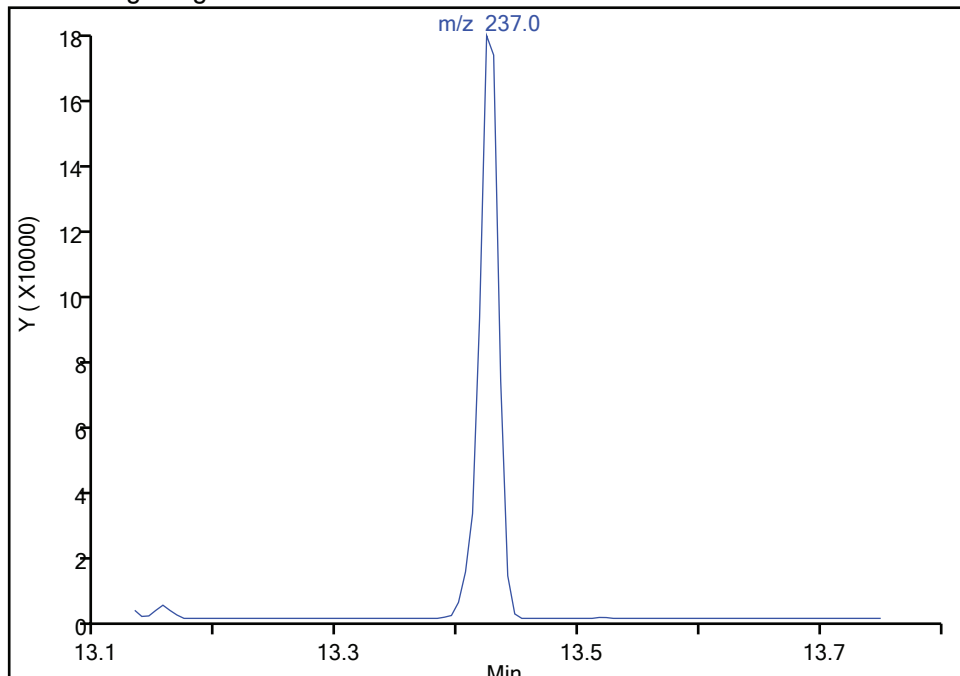
107 Pentachloronitrobenzene, CAS: 82-68-8

Signal: 1

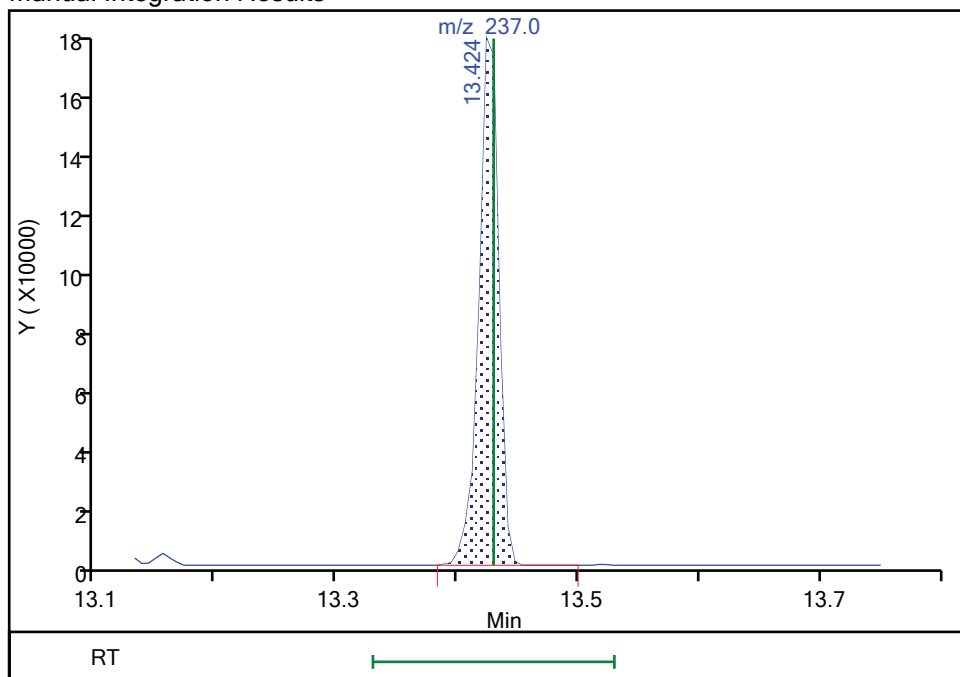
Not Detected

Expected RT: 13.43

Processing Integration Results



Manual Integration Results



RT: 13.42

Area: 202264

Amount: 12.255208

Amount Units: ug/ml

Reviewer: monbornee, 08-Jul-2020 14:48:19

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0361.D

Injection Date: 08-Jul-2020 13:14:30

Instrument ID: HP19760

Lims ID: ICV FULL

Client ID:

Operator ID: em10340

ALS Bottle#:

11

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

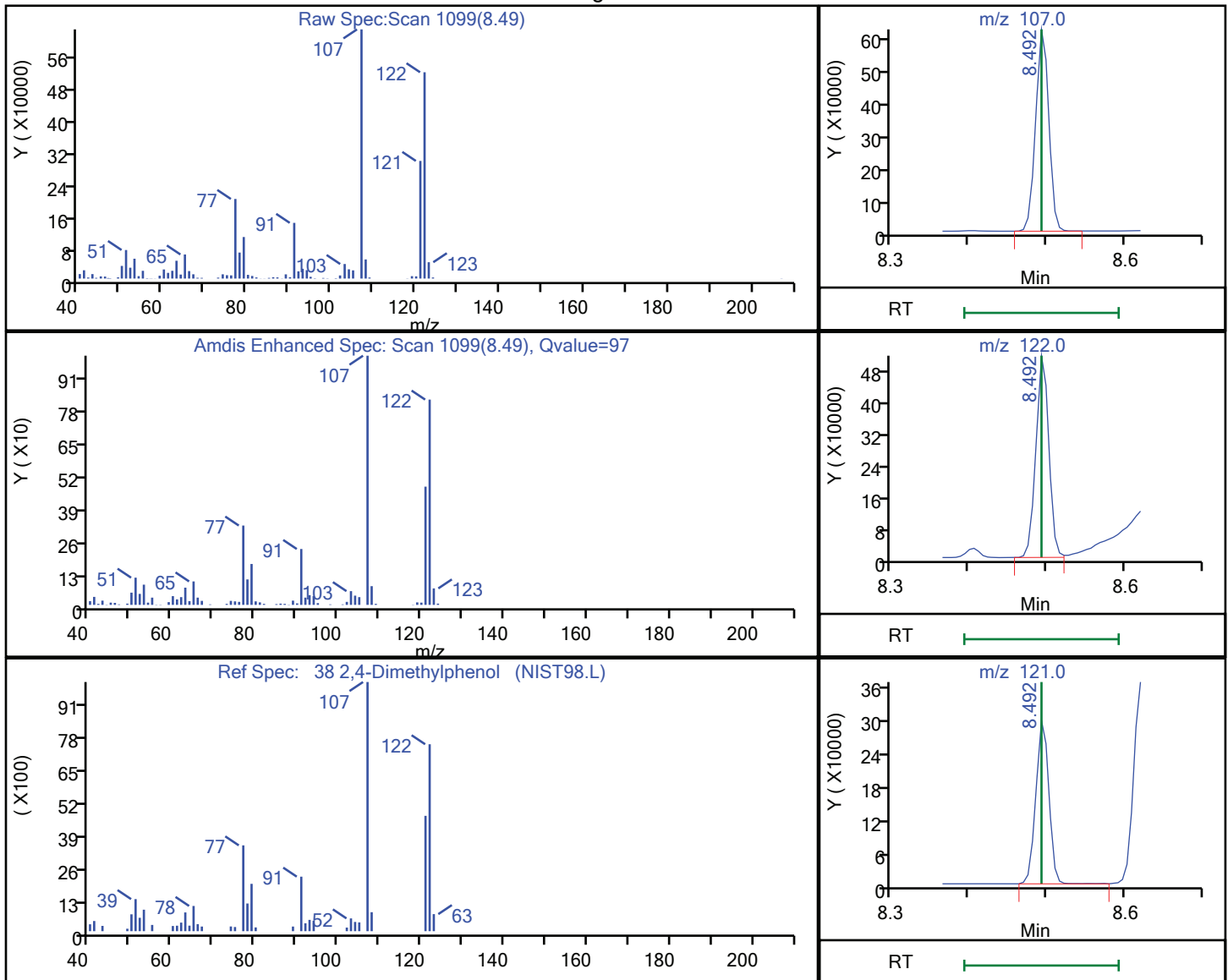
Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

38 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
8.49	107.00	740113	9.402137
8.49	122.00	603145	
8.49	121.00	347487	

Reviewer: bauera, 10-Jul-2020 14:35:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0361.D

Injection Date: 08-Jul-2020 13:14:30

Instrument ID: HP19760

Lims ID: ICV FULL

Client ID:

Operator ID: em10340

ALS Bottle#: 11

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

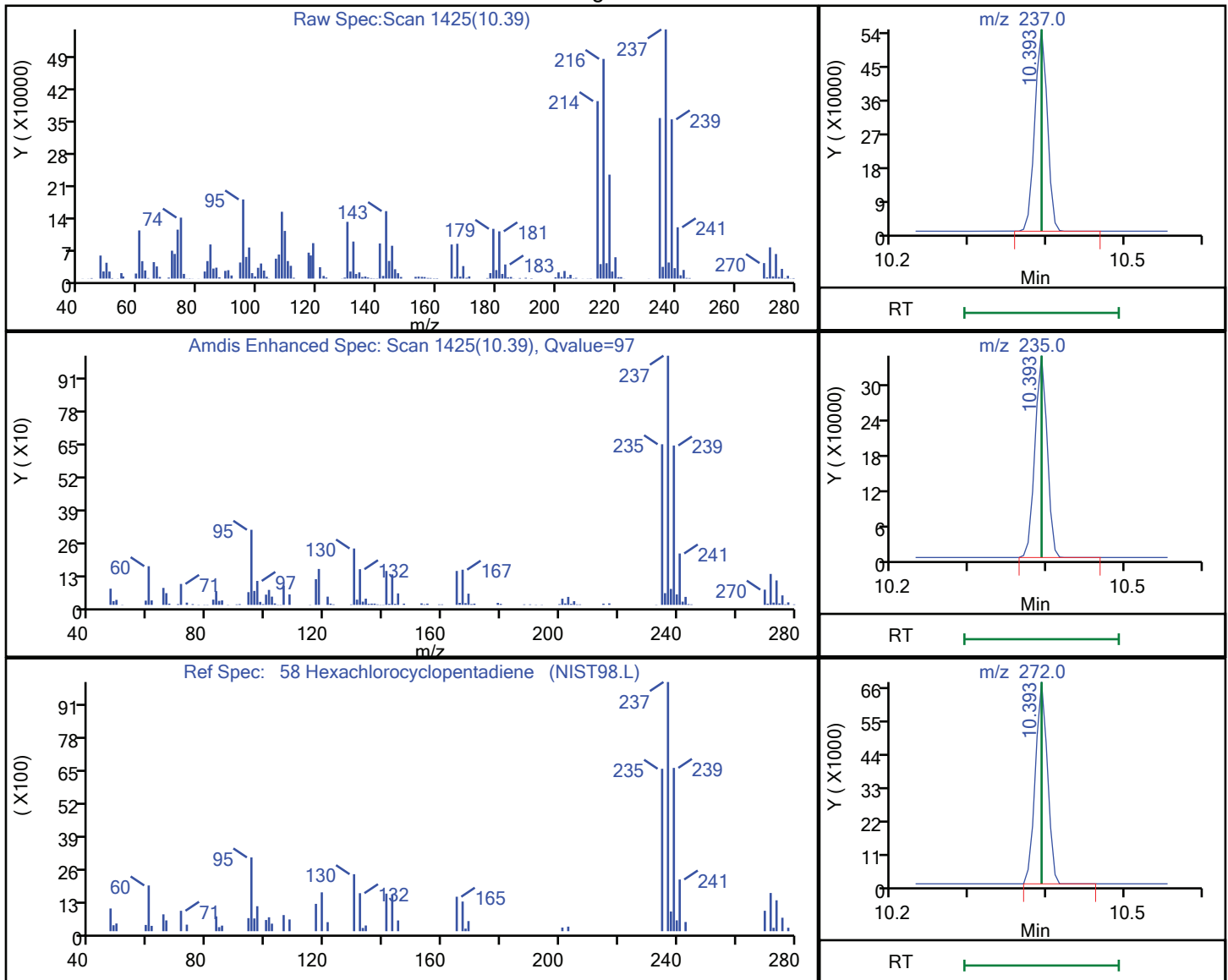
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

58 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
10.39	237.00	605180	17.269499
10.39	235.00	381133	
10.39	272.00	73666	

Reviewer: bauera, 10-Jul-2020 14:35:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-20598/2 Calibration Date: 07/08/2020 20:01

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0401.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7827	0.8218		7.87	7.50	5.0	20.0
N-Nitrosodimethylamine	Ave	1.254	1.311		7.84	7.50	4.6	20.0
Pyridine	Ave	2.122	2.166		7.66	7.50	2.1	20.0
2-Picoline	Ave	2.195	2.290		7.82	7.50	4.3	20.0
N-Nitrosomethylethylamine	Ave	0.9251	0.9708		7.87	7.50	4.9	20.0
Methyl methanesulfonate	Ave	0.9950	1.012		7.63	7.50	1.7	20.0
N-Nitrosodiethylamine	Ave	0.8757	0.9164		7.85	7.50	4.6	20.0
Ethyl methanesulfonate	Ave	0.8978	0.9294		7.76	7.50	3.5	20.0
Benzaldehyde	Ave	1.364	1.518	0.0100	8.35	7.50	11.3	20.0
Phenol	Ave	2.572	2.660	0.8000	7.76	7.50	3.4	20.0
Aniline	Ave	3.064	3.080		7.54	7.50	0.5	20.0
Bis(2-chloroethyl)ether	Ave	1.956	2.042	0.7000	7.83	7.50	4.4	20.0
2-Chlorophenol	Ave	1.565	1.589	0.8000	7.62	7.50	1.6	20.0
1,3-Dichlorobenzene	Ave	1.657	1.641		7.43	7.50	-0.9	20.0
1,4-Dichlorobenzene	Ave	1.687	1.662		7.39	7.50	-1.5	20.0
Benzyl alcohol	Ave	1.116	1.155		7.76	7.50	3.4	20.0
1,2-Dichlorobenzene	Ave	1.587	1.570		7.42	7.50	-1.0	20.0
Indene	Ave	2.485	2.513		7.58	7.50	1.1	20.0
2-Methylphenol	Ave	1.590	1.646	0.7000	7.76	7.50	3.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.116	2.151	0.0100	7.62	7.50	1.7	20.0
N-Nitrosopyrrolidine	Ave	0.9093	0.9767		8.06	7.50	7.4	20.0
Acetophenone	Ave	2.340	2.466	0.0100	7.90	7.50	5.4	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.702	1.721	0.6000	7.58	7.50	1.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.371	1.433	0.5000	7.84	7.50	4.5	20.0
N-Nitrosomorpholine	Ave	1.150	1.167		7.61	7.50	1.4	20.0
o-Toluidine	Ave	2.732	2.747		7.54	7.50	0.6	20.0
Hexachloroethane	Ave	0.7504	0.7345	0.3000	7.34	7.50	-2.1	20.0
Nitrobenzene	Ave	0.5149	0.5264	0.2000	7.67	7.50	2.2	20.0
N-Nitrosopiperidine	Ave	0.2077	0.2158		7.79	7.50	3.9	20.0
Isophorone	Ave	0.9295	0.9635	0.4000	7.77	7.50	3.7	20.0
2-Nitrophenol	Ave	0.2119	0.2152	0.1000	7.62	7.50	1.6	20.0
2,4-Dimethylphenol	Ave	0.4353	0.4576	0.2000	7.88	7.50	5.1	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1929	0.1949		7.58	7.50	1.0	20.0
Benzoic acid	Ave	0.3038	0.3405		11.2	10.0	12.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.5809	0.6046	0.3000	7.81	7.50	4.1	20.0
2,4-Dichlorophenol	Ave	0.3175	0.3238	0.2000	7.65	7.50	2.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3384	0.3391		7.52	7.50	0.2	20.0
Naphthalene	Ave	1.139	1.131	0.7000	7.45	7.50	-0.7	20.0
4-Chloroaniline	Ave	0.4669	0.4741	0.0100	7.61	7.50	1.5	20.0
2,6-Dichlorophenol	Ave	0.3003	0.3059		7.64	7.50	1.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-20598/2 Calibration Date: 07/08/2020 20:01

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0401.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2072	0.2032		7.36	7.50	-1.9	20.0
Hexachlorobutadiene	Ave	0.1793	0.1827	0.0100	7.64	7.50	1.9	20.0
Quinoline	Ave	0.7447	0.7578		7.63	7.50	1.8	20.0
Caprolactam	Ave	0.1293	0.1402	0.0100	8.13	7.50	8.4	20.0
N-Nitrosodi-n-butylamine	Ave	0.3608	0.3241		6.74	7.50	-10.2	20.0
4-Chloro-3-methylphenol	Ave	0.3694	0.3933	0.2000	7.98	7.50	6.5	20.0
Safrole, Total	Ave	0.2903	0.2946		7.61	7.50	1.5	20.0
2-Methylnaphthalene	Ave	0.7360	0.7492	0.4000	7.63	7.50	1.8	20.0
1-Methylnaphthalene	Ave	0.6949	0.7065		7.63	7.50	1.7	20.0
Hexachlorocyclopentadiene	Ave	0.3903	0.3812	0.0500	7.32	7.50	-2.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6236	0.6134	0.0100	7.38	7.50	-1.6	20.0
Isosafrole Peak 1	Ave	0.6349	0.6432		1.22	1.20	1.3	20.0
2,4,6-Trichlorophenol	Ave	0.4261	0.4446	0.2000	7.82	7.50	4.3	20.0
2,4,5-Trichlorophenol	Ave	0.4529	0.4647	0.2000	7.70	7.50	2.6	20.0
Isosafrole Peak 2	Ave	0.6838	0.6778		6.24	6.30	-0.9	20.0
1,1'-Biphenyl	Ave	1.830	1.729	0.0100	7.09	7.50	-5.5	20.0
2-Chloronaphthalene	Ave	1.377	1.321	0.8000	7.19	7.50	-4.1	20.0
1-Chloronaphthalene	Ave	1.267	1.291		7.64	7.50	1.8	20.0
Diphenyl ether	Lin1		0.9340		7.63	7.50	1.7	20.0
2-Nitroaniline	Ave	0.4571	0.4678	0.0100	7.67	7.50	2.3	20.0
1,4-Naphthoquinone	Ave	0.5742	0.5820		7.60	7.50	1.4	20.0
1,4-Dinitrobenzene	Ave	0.2404	0.2447		7.64	7.50	1.8	20.0
Dimethyl phthalate	Ave	1.530	1.541	0.0100	7.55	7.50	0.7	20.0
1,3-Dinitrobenzene	Ave	0.2697	0.2739		7.62	7.50	1.6	20.0
2,6-Dinitrotoluene	Ave	0.3575	0.3688	0.2000	7.74	7.50	3.2	20.0
Acenaphthylene	Ave	1.922	1.968	0.9000	7.68	7.50	2.4	20.0
3-Nitroaniline	Ave	0.3924	0.4074	0.0100	7.79	7.50	3.8	20.0
Acenaphthene	Ave	1.404	1.405	0.9000	7.50	7.50	0.0	20.0
2,4-Dinitrophenol	Ave	0.2500	0.2488	0.0100	9.95	10.0	-0.5	20.0
4-Nitrophenol	Ave	0.2773	0.2850	0.0100	7.71	7.50	2.8	20.0
Pentachlorobenzene	Ave	0.5132	0.5180		7.57	7.50	0.9	20.0
2,4-Dinitrotoluene	Ave	0.4878	0.4984	0.2000	7.66	7.50	2.2	20.0
Dibenzofuran	Ave	1.854	1.831	0.8000	7.41	7.50	-1.2	20.0
1-Naphthylamine	Ave	1.398	1.393		7.48	7.50	-0.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3537	0.3598	0.0100	7.63	7.50	1.7	20.0
2-Naphthylamine	Ave	1.361	1.373		7.56	7.50	0.9	20.0
Diethyl phthalate	Ave	1.496	1.521	0.0100	7.62	7.50	1.6	20.0
Fluorene	Ave	1.477	1.475	0.9000	7.49	7.50	-0.2	20.0
Thionazin	Ave	0.3255	0.3300		7.60	7.50	1.4	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7239	0.7114	0.4000	7.37	7.50	-1.7	20.0
5-Nitro-o-toluidine	Ave	0.4281	0.4462		7.82	7.50	4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-20598/2 Calibration Date: 07/08/2020 20:01

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0401.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.4248	0.4301	0.0100	7.59	7.50	1.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1681	0.1689	0.0100	7.54	7.50	0.5	20.0
N-Nitrosodiphenylamine	Ave	0.6635	0.6803	0.0100	7.69	7.50	2.5	20.0
1,2-Diphenylhydrazine	Ave	1.029	1.071		7.81	7.50	4.1	20.0
Sulfotepp	Ave	0.1679	0.1707		7.62	7.50	1.6	20.0
cis-Diallate	Ave	0.4625	0.4831		5.80	5.55	4.5	20.0
Phorate	Ave	0.6080	0.6506		8.02	7.50	7.0	20.0
Phenacetin	Ave	0.4731	0.4795		7.60	7.50	1.4	20.0
4-Bromophenyl-phenylether	Ave	0.2042	0.2065	0.1000	7.58	7.50	1.1	20.0
trans-Diallate	Ave	0.4618	0.4746		2.00	1.95	2.8	20.0
Hexachlorobenzene	Ave	0.2056	0.2061	0.1000	7.52	7.50	0.2	20.0
Dimethoate	Ave	0.4429	0.4674		7.92	7.50	5.5	20.0
Atrazine	Ave	0.2148	0.2281	0.0100	7.97	7.50	6.2	20.0
Pentachlorophenol	Ave	0.1593	0.1641	0.0500	7.72	7.50	3.0	20.0
4-Aminobiphenyl	Ave	0.7283	0.7648		7.88	7.50	5.0	20.0
Pentachloronitrobenzene	Ave	0.0974	0.0969		7.46	7.50	-0.5	20.0
Pronamide	Ave	0.3686	0.3743		7.62	7.50	1.5	20.0
Dinoseb	Ave	0.2139	0.2211		7.75	7.50	3.4	20.0
Phenanthrene	Ave	1.186	1.192	0.7000	7.54	7.50	0.5	20.0
Anthracene	Ave	1.182	1.228	0.7000	7.79	7.50	3.9	20.0
Carbazole	Ave	1.091	1.140	0.0100	7.84	7.50	4.6	20.0
Methyl parathion	Ave	0.3361	0.3565		7.96	7.50	6.1	20.0
Di-n-butyl phthalate	Ave	1.400	1.469	0.0100	7.87	7.50	4.9	20.0
Parathion	Ave	0.1959	0.2070		7.92	7.50	5.7	20.0
4-Nitroquinoline-1-oxide	Ave	0.1352	0.1270		7.05	7.50	-6.1	20.0
Octachlorostyrene	Ave	0.0839	0.0868		7.76	7.50	3.4	20.0
Isodrin	Ave	0.1423	0.1474		7.77	7.50	3.6	20.0
Fluoranthene	Ave	1.334	1.410	0.6000	7.93	7.50	5.7	20.0
Benidine	Ave	0.8159	0.8407		23.2	22.5	3.0	20.0
Pyrene	Ave	1.378	1.367	0.6000	7.44	7.50	-0.8	20.0
p-Dimethylamino azobenzene	Ave	0.2491	0.2590		7.80	7.50	4.0	20.0
Chlorobenzilate	Ave	0.4150	0.4228		7.64	7.50	1.9	20.0
3,3'-Dimethylbenzidine	Ave	0.8707	0.9083		7.82	7.50	4.3	20.0
Butylbenzylphthalate	Ave	0.6299	0.6440	0.0100	7.67	7.50	2.2	20.0
2-Acetylaminofluorene	Ave	0.5009	0.5277		7.90	7.50	5.3	20.0
3,3'-Dichlorobenzidine	Ave	0.4572	0.4721	0.0100	7.74	7.50	3.3	20.0
Benzo[a]anthracene	Ave	1.126	1.209	0.8000	8.05	7.50	7.3	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2485	0.2502			7.50	0.7	20.0
Chrysene	Ave	1.190	1.230	0.7000	7.75	7.50	3.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8748	0.9008	0.0100	7.72	7.50	3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-20598/2 Calibration Date: 07/08/2020 20:01
 Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48
 Lab File ID: DG0401.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
6-Methylchrysene	Ave	0.8540	0.8880		7.80	7.50	4.0	20.0
Di-n-octyl phthalate	Ave	1.618	1.619	0.0100	7.50	7.50	0.0	20.0
Benzo[b]fluoranthene	Ave	1.277	1.301	0.7000	7.64	7.50	1.8	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5910	0.6001		7.62	7.50	1.5	20.0
Benzo[k]fluoranthene	Ave	1.280	1.350	0.7000	7.91	7.50	5.5	20.0
Benzo[a]pyrene	Ave	1.168	1.255	0.7000	8.06	7.50	7.4	20.0
3-Methylcholanthrene	Ave	0.5672	0.5953		7.87	7.50	5.0	20.0
Dibenz[a,h]acridine	Ave	0.7932	0.7704		7.28	7.50	-2.9	20.0
Dibenz[a,j]acridine	Ave	0.8551	0.8519		7.47	7.50	-0.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8620	0.9211	0.5000	8.01	7.50	6.8	20.0
Dibenz(a,h)anthracene	Ave	0.9189	1.022	0.4000	8.34	7.50	11.2	20.0
Benzo[g,h,i]perylene	Ave	0.9359	0.9871	0.5000	7.91	7.50	5.5	20.0
2-Fluorophenol (Surr)	Ave	1.741	1.755		15.1	15.0	0.8	20.0
Phenol-d5 (Surr)	Ave	2.373	2.393		15.1	15.0	0.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5013	0.5085		15.2	15.0	1.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.499	1.486		14.9	15.0	-0.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1692	0.1711		15.2	15.0	1.1	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8245	0.8390		15.3	15.0	1.8	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0401.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 08-Jul-2020 20:01:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 410-0005114-002
 Operator ID: sw30417 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 08:53:43 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: williamss

Date: 08-Jul-2020 20:42:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.594	2.594	0.000	94	331886	7.50	7.87	
2 N-Nitrosodimethylamine	74	3.136	3.136	0.000	87	529608	7.50	7.84	
3 Pyridine	79	3.171	3.171	0.000	99	874637	7.50	7.66	
4 2-Picoline	93	4.325	4.325	0.000	90	924687	7.50	7.82	
5 N-Nitrosomethylethylamine	88	4.506	4.506	0.000	83	392033	7.50	7.87	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	84	408737	7.50	7.63	
\$ 8 2-Fluorophenol	112	5.182	5.182	0.000	94	1417710	15.0	15.1	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	91	370064	7.50	7.85	
10 Ethyl methanesulfonate	109	5.951	5.951	0.000	97	375340	7.50	7.76	
12 Benzaldehyde	77	6.417	6.417	0.000	97	613163	7.50	8.35	
\$ 13 Phenol-d5	99	6.522	6.522	0.000	98	1933042	15.0	15.1	
14 Phenol	94	6.546	6.546	0.000	91	1074412	7.50	7.76	
15 Aniline	93	6.575	6.575	0.000	97	1243815	7.50	7.54	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	97	824636	7.50	7.83	
17 2-Chlorophenol	128	6.744	6.744	0.000	92	641710	7.50	7.62	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	95	662619	7.50	7.43	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	269231	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	91	671216	7.50	7.39	
21 Benzyl alcohol	108	7.268	7.268	0.000	90	466275	7.50	7.76	
22 1,2-Dichlorobenzene	146	7.303	7.303	0.000	94	634062	7.50	7.42	
24 Indene	115	7.438	7.438	0.000	89	1015031	7.50	7.58	
23 2-Methylphenol	108	7.443	7.443	0.000	94	664882	7.50	7.76	
25 2,2'-oxybis[1-chloropropane]	45	7.490	7.490	0.000	96	868830	7.50	7.62	
26 N-Nitrosopyrrolidine	100	7.624	7.624	0.000	94	394416	7.50	8.06	
27 Acetophenone	105	7.665	7.665	0.000	95	995802	7.50	7.90	
28 4-Methylphenol	108	7.676	7.676	0.000	91	695193	7.50	7.58	
29 N-Nitrosodi-n-propylamine	70	7.682	7.682	0.000	75	578549	7.50	7.84	
30 N-Nitrosomorpholine	56	7.694	7.694	0.000	92	471311	7.50	7.61	
31 2-Toluidine	106	7.717	7.717	0.000	95	1109497	7.50	7.54	
32 Hexachloroethane	117	7.811	7.811	0.000	97	296641	7.50	7.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.886	7.886	0.000	88	1636455	15.0	15.2	
34 Nitrobenzene	77	7.915	7.915	0.000	85	846934	7.50	7.67	
35 N-Nitrosopiperidine	114	8.143	8.143	0.000	89	347205	7.50	7.79	
36 Isophorone	82	8.294	8.294	0.000	97	1550253	7.50	7.77	
37 2-Nitrophenol	139	8.405	8.405	0.000	90	346298	7.50	7.62	
38 2,4-Dimethylphenol	107	8.492	8.492	0.000	97	736271	7.50	7.88	
39 o,o',o"-Triethylphosphorothioat	198	8.621	8.621	0.000	89	313641	7.50	7.58	
40 Benzoic acid	105	8.644	8.644	0.000	87	730550	10.0	11.2	
41 Bis(2-chloroethoxy)methane	93	8.650	8.650	0.000	98	972816	7.50	7.81	
42 2,4-Dichlorophenol	162	8.772	8.772	0.000	98	520926	7.50	7.65	
43 1,2,4-Trichlorobenzene	180	8.912	8.912	0.000	93	545652	7.50	7.52	
* 44 Naphthalene-d8	136	8.994	8.994	0.000	99	1072693	5.00	5.00	
45 Naphthalene	128	9.023	9.023	0.000	98	1820422	7.50	7.45	
46 4-Chloroaniline	127	9.122	9.122	0.000	94	762760	7.50	7.61	
47 2,6-Dichlorophenol	162	9.134	9.134	0.000	93	492193	7.50	7.64	
48 Hexachloropropene	213	9.174	9.174	0.000	89	326934	7.50	7.36	
49 Hexachlorobutadiene	225	9.244	9.244	0.000	97	293908	7.50	7.64	
50 Quinoline	129	9.553	9.553	0.000	95	1219395	7.50	7.63	
S 51 Diallate	86				0		7.50	7.80	
52 Caprolactam	113	9.658	9.658	0.000	83	225511	7.50	8.13	
53 N-Nitrosodi-n-butylamine	84	9.687	9.687	0.000	92	521535	7.50	6.74	
54 4-Chloro-3-methylphenol	107	9.909	9.909	0.000	93	632874	7.50	7.98	
55 Safrole, Total	162	10.014	10.014	0.000	85	473968	7.50	7.61	
56 2-Methylnaphthalene	142	10.130	10.130	0.000	92	1205485	7.50	7.63	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	93	1136808	7.50	7.63	
58 Hexachlorocyclopentadiene	237	10.393	10.393	0.000	97	317397	7.50	7.32	
59 1,2,4,5-Tetrachlorobenzene	216	10.398	10.398	0.000	98	510719	7.50	7.38	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	88	85684	1.20	1.22	
61 2,4,6-Trichlorophenol	196	10.585	10.585	0.000	94	370129	7.50	7.82	
62 2,4,5-Trichlorophenol	196	10.632	10.632	0.000	91	386886	7.50	7.70	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.737	10.737	0.000	99	2474072	15.0	14.9	
64 Isosafrole Peak 2	162	10.847	10.847	0.000	88	474045	6.30	6.24	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	96	1439585	7.50	7.09	
66 2-Chloronaphthalene	162	10.900	10.900	0.000	98	1099494	7.50	7.19	
67 1-Chloronaphthalene	162	10.935	10.935	0.000	97	1074568	7.50	7.64	
68 Phenyl ether	170	11.069	11.069	0.000	87	777607	7.50	7.63	
69 2-Nitroaniline	138	11.075	11.075	0.000	76	389442	7.50	7.67	
70 1,4-Naphthoquinone	158	11.191	11.191	0.000	83	484584	7.50	7.60	
71 1,4-Dinitrobenzene	168	11.308	11.308	0.000	86	203769	7.50	7.64	
72 Dimethyl phthalate	163	11.407	11.407	0.000	96	1283083	7.50	7.55	
73 1,3-Dinitrobenzene	168	11.424	11.424	0.000	83	228039	7.50	7.62	
74 2,6-Dinitrotoluene	165	11.483	11.483	0.000	90	307076	7.50	7.74	
75 Acenaphthylene	152	11.553	11.553	0.000	99	1638465	7.50	7.68	
76 3-Nitroaniline	138	11.716	11.716	0.000	88	339229	7.50	7.79	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	96	555060	5.00	5.00	
78 Acenaphthene	153	11.809	11.809	0.000	96	1170013	7.50	7.50	
79 2,4-Dinitrophenol	184	11.867	11.867	0.000	84	276186	10.0	9.95	
80 4-Nitrophenol	109	11.966	11.966	0.000	83	237252	7.50	7.71	
81 Pentachlorobenzene	250	11.995	11.995	0.000	97	431296	7.50	7.57	
83 Dibenzofuran	168	12.048	12.048	0.000	96	1524364	7.50	7.41	
82 2,4-Dinitrotoluene	165	12.048	12.048	0.000	83	414973	7.50	7.66	
84 1-Naphthylamine	143	12.153	12.153	0.000	98	1159769	7.50	7.48	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.217	12.217	0.000	76	299596	7.50	7.63	
86 2-Naphthylamine	143	12.258	12.258	0.000	95	1142854	7.50	7.56	
87 Diethyl phthalate	149	12.392	12.392	0.000	97	1266394	7.50	7.62	
89 Fluorene	166	12.479	12.479	0.000	94	1227654	7.50	7.49	
88 Thionazin	107	12.485	12.485	0.000	77	274709	7.50	7.60	
91 4-Chlorophenyl phenyl ether	204	12.503	12.503	0.000	85	592327	7.50	7.37	
90 N-Nitro-o-toluidine	152	12.503	12.503	0.000	69	371463	7.50	7.82	
92 4-Nitroaniline	138	12.508	12.508	0.000	80	358076	7.50	7.59	
93 4,6-Dinitro-2-methylphenol	198	12.549	12.549	0.000	82	265785	7.50	7.54	
94 N-Nitrosodiphenylamine	169	12.648	12.648	0.000	62	1070454	7.50	7.69	
95 1,2-Diphenylhydrazine	77	12.695	12.695	0.000	98	1685753	7.50	7.81	
\$ 96 2,4,6-Tribromophenol	330	12.777	12.777	0.000	83	284885	15.0	15.2	
97 Sulfotepp	97	12.876	12.876	0.000	79	268543	7.50	7.62	
98 cis-Diallate	86	13.016	13.016	0.000	96	562474	5.55	5.80	
99 Phorate	75	13.021	13.021	0.000	96	1023635	7.50	8.02	
100 Phenacetin	108	13.039	13.039	0.000	90	754485	7.50	7.60	
101 4-Bromophenyl phenyl ether	248	13.103	13.103	0.000	70	324909	7.50	7.58	
102 trans-Diallate	86	13.120	13.120	0.000	98	194148	1.95	2.00	
103 Hexachlorobenzene	284	13.155	13.155	0.000	91	324265	7.50	7.52	
104 Dimethoate	87	13.225	13.225	0.000	97	735488	7.50	7.92	
105 Atrazine	200	13.324	13.324	0.000	91	358931	7.50	7.97	
106 Pentachlorophenol	266	13.406	13.406	0.000	91	258128	7.50	7.72	
108 4-Aminobiphenyl	169	13.424	13.424	0.000	91	1203396	7.50	7.88	
107 Pentachloronitrobenzene	237	13.424	13.424	0.000	83	152490	7.50	7.46	
109 Pronamide	173	13.517	13.517	0.000	90	588896	7.50	7.62	
* 110 Phenanthrene-d10	188	13.651	13.651	0.000	97	1048990	5.00	5.00	
111 Dinoseb	211	13.662	13.662	0.000	96	347942	7.50	7.75	
112 Phenanthrene	178	13.680	13.680	0.000	98	1875215	7.50	7.54	
113 Anthracene	178	13.750	13.750	0.000	98	1932679	7.50	7.79	
114 Carbazole	167	13.966	13.966	0.000	96	1794297	7.50	7.84	
115 Methyl parathion	109	14.170	14.170	0.000	90	560997	7.50	7.96	
116 Di-n-butyl phthalate	149	14.478	14.478	0.000	100	2310750	7.50	7.87	
117 Ethyl Parathion	109	14.717	14.717	0.000	84	325715	7.50	7.92	
118 4-Nitroquinoline-1-oxide	190	14.735	14.735	0.000	91	199897	7.50	7.05	
119 Octachlorostyrene	308	15.073	15.073	0.000	89	136591	7.50	7.76	
120 Isodrin	193	15.125	15.125	0.000	89	231931	7.50	7.77	
121 Fluoranthene	202	15.347	15.347	0.000	99	2219032	7.50	7.93	
122 Benzidine	184	15.580	15.580	0.000	99	4152741	22.5	23.2	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	1097711	5.00	5.00	
124 Pyrene	202	15.697	15.697	0.000	96	2251155	7.50	7.44	
\$ 125 p-Terphenyl-d14	244	15.982	15.982	0.000	99	2762954	15.0	15.3	
126 p-Dimethylamino azobenzene	225	16.210	16.210	0.000	92	426390	7.50	7.80	
127 Chlorobenzilate	139	16.303	16.303	0.000	87	696132	7.50	7.64	
128 3,3'-Dimethylbenzidine	212	16.775	16.775	0.000	99	1495606	7.50	7.82	
129 Butyl benzyl phthalate	149	16.839	16.839	0.000	95	1060433	7.50	7.67	
130 2-Acetylaminofluorene	181	17.200	17.200	0.000	95	868897	7.50	7.90	
131 3,3'-Dichlorobenzidine	252	17.708	17.708	0.000	81	777323	7.50	7.74	
132 Benzo[a]anthracene	228	17.719	17.719	0.000	99	1990434	7.50	8.05	
133 4,4'-Methylene bis(2-chloroani	231	17.725	17.725	0.000	95	412013	7.50	7.55	
134 Chrysene	228	17.783	17.783	0.000	97	2024622	7.50	7.75	
135 Bis(2-ethylhexyl) phthalate	149	17.912	17.912	0.000	97	1483253	7.50	7.72	
136 6-Methylchrysene	242	18.588	18.588	0.000	99	1462182	7.50	7.80	

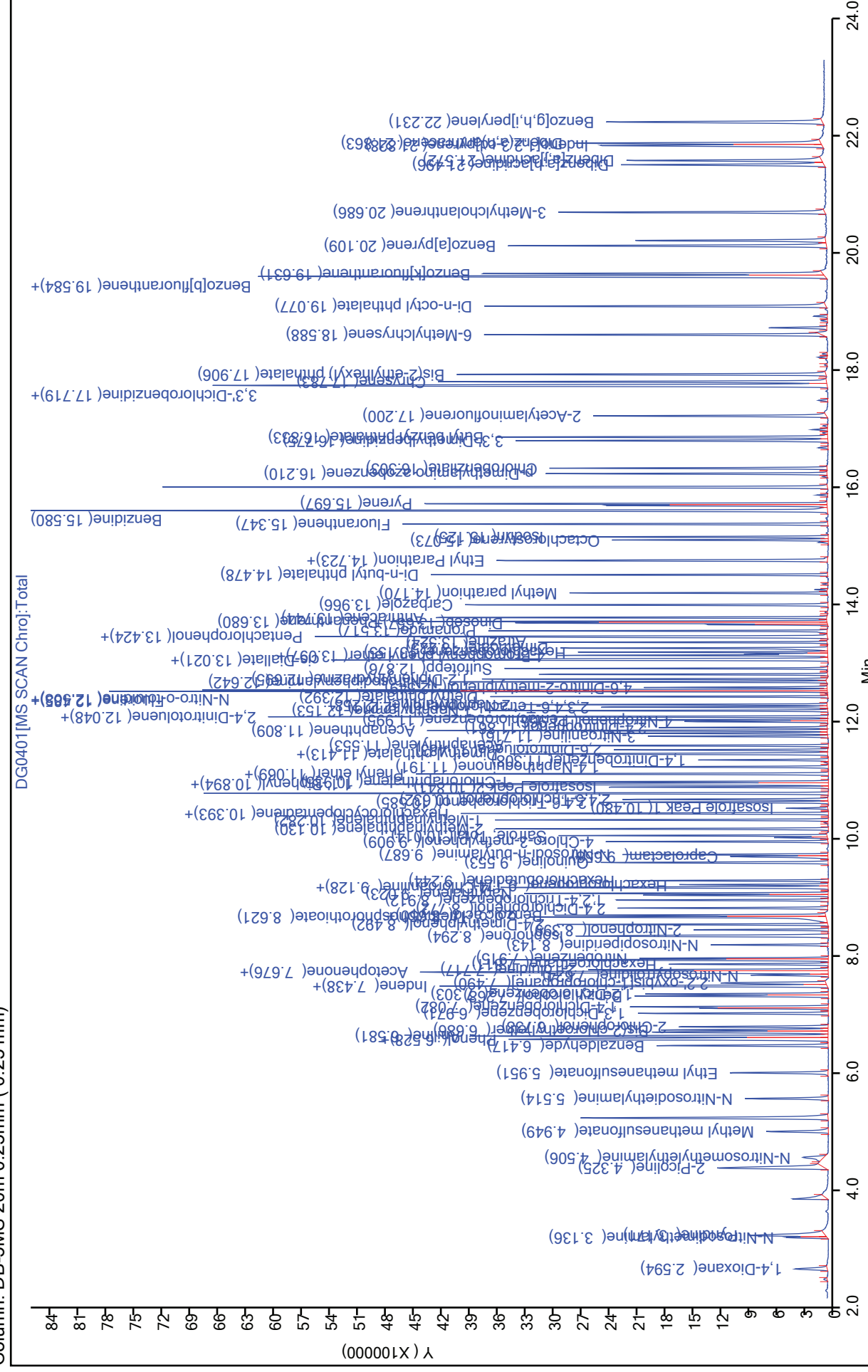
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.077	19.077	0.000	99	2506782	7.50	7.50	
138 Benzo[b]fluoranthene	252	19.584	19.584	0.000	98	2014170	7.50	7.64	
139 7,12-Dimethylbenz(a)anthracene	256	19.590	19.590	0.000	91	929173	7.50	7.62	
140 Benzo[k]fluoranthene	252	19.637	19.637	0.000	99	2089606	7.50	7.91	
141 Benzo[a]pyrene	252	20.109	20.109	0.000	80	1942620	7.50	8.06	
* 142 Perylene-d12	264	20.202	20.202	0.000	97	1032167	5.00	5.00	
143 3-Methylcholanthrene	268	20.686	20.686	0.000	93	921724	7.50	7.87	
144 Dibenz[a,h]acridine	279	21.496	21.496	0.000	92	1192733	7.50	7.28	
145 Dibenz[a,j]acridine	279	21.572	21.572	0.000	95	1319019	7.50	7.47	
146 Indeno[1,2,3-cd]pyrene	276	21.828	21.828	0.000	98	1426064	7.50	8.01	
147 Dibenz(a,h)anthracene	278	21.869	21.869	0.000	95	1582459	7.50	8.34	
148 Benzo[g,h,i]perylene	276	22.231	22.231	0.000	95	1528305	7.50	7.91	
S 152 Dinitrotoluene	165				0		15.0	15.4	
S 170 Isosafrole	162				0		7.50	7.46	

Reagents:

MSS_RV8270_5_00005

Amount Added: 1.00

Units: mL



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-20766/2 Calibration Date: 07/09/2020 08:06

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0451.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7827	0.7927		7.60	7.50	1.3	20.0
N-Nitrosodimethylamine	Ave	1.254	1.259		7.53	7.50	0.4	20.0
Pyridine	Ave	2.122	2.073		7.33	7.50	-2.3	20.0
2-Picoline	Ave	2.195	2.189		7.48	7.50	-0.3	20.0
N-Nitrosomethylethylamine	Ave	0.9251	0.9266		7.51	7.50	0.2	20.0
Methyl methanesulfonate	Ave	0.9950	0.9826		7.41	7.50	-1.2	20.0
N-Nitrosodiethylamine	Ave	0.8757	0.8893		7.62	7.50	1.6	20.0
Ethyl methanesulfonate	Ave	0.8978	0.9023		7.54	7.50	0.5	20.0
Benzaldehyde	Ave	1.364	1.495	0.0100	8.22	7.50	9.6	20.0
Phenol	Ave	2.572	2.635	0.8000	7.68	7.50	2.4	20.0
Aniline	Ave	3.064	3.105		7.60	7.50	1.3	20.0
Bis(2-chloroethyl)ether	Ave	1.956	1.963	0.7000	7.53	7.50	0.4	20.0
2-Chlorophenol	Ave	1.565	1.568	0.8000	7.52	7.50	0.2	20.0
1,3-Dichlorobenzene	Ave	1.657	1.636		7.41	7.50	-1.2	20.0
1,4-Dichlorobenzene	Ave	1.687	1.659		7.37	7.50	-1.7	20.0
Benzyl alcohol	Ave	1.116	1.146		7.70	7.50	2.7	20.0
1,2-Dichlorobenzene	Ave	1.587	1.570		7.42	7.50	-1.0	20.0
Indene	Ave	2.485	2.498		7.54	7.50	0.5	20.0
2-Methylphenol	Ave	1.590	1.623	0.7000	7.66	7.50	2.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.116	2.064	0.0100	7.32	7.50	-2.5	20.0
N-Nitrosopyrrolidine	Ave	0.9093	0.9564		7.89	7.50	5.2	20.0
Acetophenone	Ave	2.340	2.421	0.0100	7.76	7.50	3.5	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.702	1.721	0.6000	7.58	7.50	1.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.371	1.420	0.5000	7.77	7.50	3.6	20.0
N-Nitrosomorpholine	Ave	1.150	1.152		7.51	7.50	0.2	20.0
o-Toluidine	Ave	2.732	2.786		7.65	7.50	2.0	20.0
Hexachloroethane	Ave	0.7504	0.7179	0.3000	7.17	7.50	-4.3	20.0
Nitrobenzene	Ave	0.5149	0.5099	0.2000	7.43	7.50	-1.0	20.0
N-Nitrosopiperidine	Ave	0.2077	0.2155		7.78	7.50	3.7	20.0
Isophorone	Ave	0.9295	0.9482	0.4000	7.65	7.50	2.0	20.0
2-Nitrophenol	Ave	0.2119	0.2124	0.1000	7.52	7.50	0.2	20.0
2,4-Dimethylphenol	Ave	0.4353	0.4452	0.2000	7.67	7.50	2.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1929	0.1930		7.50	7.50	0.0	20.0
Benzoic acid	Ave	0.3038	0.3276		10.8	10.0	7.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.5809	0.5827	0.3000	7.52	7.50	0.3	20.0
2,4-Dichlorophenol	Ave	0.3175	0.3240	0.2000	7.65	7.50	2.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3384	0.3316		7.35	7.50	-2.0	20.0
Naphthalene	Ave	1.139	1.135	0.7000	7.47	7.50	-0.4	20.0
4-Chloroaniline	Ave	0.4669	0.4723	0.0100	7.59	7.50	1.2	20.0
2,6-Dichlorophenol	Ave	0.3003	0.3080		7.69	7.50	2.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-20766/2 Calibration Date: 07/09/2020 08:06

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0451.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2072	0.1998		7.23	7.50	-3.5	20.0
Hexachlorobutadiene	Ave	0.1793	0.1808	0.0100	7.56	7.50	0.9	20.0
Quinoline	Ave	0.7447	0.7520		7.57	7.50	1.0	20.0
Caprolactam	Ave	0.1293	0.1369	0.0100	7.94	7.50	5.9	20.0
N-Nitrosodi-n-butylamine	Ave	0.3608	0.3272		6.80	7.50	-9.3	20.0
4-Chloro-3-methylphenol	Ave	0.3694	0.3894	0.2000	7.90	7.50	5.4	20.0
Safrole, Total	Ave	0.2903	0.2941		7.60	7.50	1.3	20.0
2-Methylnaphthalene	Ave	0.7360	0.7509	0.4000	7.65	7.50	2.0	20.0
1-Methylnaphthalene	Ave	0.6949	0.7096		7.66	7.50	2.1	20.0
Hexachlorocyclopentadiene	Ave	0.3903	0.3701	0.0500	7.11	7.50	-5.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6236	0.6242	0.0100	7.51	7.50	0.1	20.0
Isosafrole Peak 1	Ave	0.6349	0.6268		1.18	1.20	-1.3	20.0
2,4,6-Trichlorophenol	Ave	0.4261	0.4479	0.2000	7.88	7.50	5.1	20.0
2,4,5-Trichlorophenol	Ave	0.4529	0.4704	0.2000	7.79	7.50	3.9	20.0
Isosafrole Peak 2	Ave	0.6838	0.6813		6.28	6.30	-0.4	20.0
1,1'-Biphenyl	Ave	1.830	1.764	0.0100	7.23	7.50	-3.6	20.0
2-Chloronaphthalene	Ave	1.377	1.375	0.8000	7.49	7.50	-0.1	20.0
1-Chloronaphthalene	Ave	1.267	1.282		7.58	7.50	1.1	20.0
Diphenyl ether	Lin1		0.9471		7.74	7.50	3.2	20.0
2-Nitroaniline	Ave	0.4571	0.4746	0.0100	7.79	7.50	3.8	20.0
1,4-Naphthoquinone	Ave	0.5742	0.5806		7.58	7.50	1.1	20.0
1,4-Dinitrobenzene	Ave	0.2404	0.2410		7.52	7.50	0.3	20.0
Dimethyl phthalate	Ave	1.530	1.545	0.0100	7.57	7.50	1.0	20.0
1,3-Dinitrobenzene	Ave	0.2697	0.2675		7.44	7.50	-0.8	20.0
2,6-Dinitrotoluene	Ave	0.3575	0.3677	0.2000	7.71	7.50	2.9	20.0
Acenaphthylene	Ave	1.922	1.985	0.9000	7.75	7.50	3.3	20.0
3-Nitroaniline	Ave	0.3924	0.4007	0.0100	7.66	7.50	2.1	20.0
Acenaphthene	Ave	1.404	1.410	0.9000	7.53	7.50	0.4	20.0
2,4-Dinitrophenol	Ave	0.2500	0.2213	0.0100	8.85	10.0	-11.5	20.0
4-Nitrophenol	Ave	0.2773	0.2789	0.0100	7.55	7.50	0.6	20.0
Pentachlorobenzene	Ave	0.5132	0.5170		7.56	7.50	0.7	20.0
2,4-Dinitrotoluene	Ave	0.4878	0.4931	0.2000	7.58	7.50	1.1	20.0
Dibenzofuran	Ave	1.854	1.853	0.8000	7.50	7.50	-0.0	20.0
1-Naphthylamine	Ave	1.398	1.402		7.53	7.50	0.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3537	0.3567	0.0100	7.56	7.50	0.8	20.0
2-Naphthylamine	Ave	1.361	1.375		7.58	7.50	1.1	20.0
Diethyl phthalate	Ave	1.496	1.514	0.0100	7.59	7.50	1.1	20.0
Fluorene	Ave	1.477	1.504	0.9000	7.64	7.50	1.8	20.0
Thionazin	Ave	0.3255	0.3391		7.81	7.50	4.2	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7239	0.7353	0.4000	7.62	7.50	1.6	20.0
5-Nitro-o-toluidine	Ave	0.4281	0.4518		7.92	7.50	5.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-20766/2 Calibration Date: 07/09/2020 08:06

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0451.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.4248	0.4419	0.0100	7.80	7.50	4.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1681	0.1593	0.0100	7.11	7.50	-5.3	20.0
N-Nitrosodiphenylamine	Ave	0.6635	0.6746	0.0100	7.62	7.50	1.7	20.0
1,2-Diphenylhydrazine	Ave	1.029	1.037		7.56	7.50	0.8	20.0
Sulfotepp	Ave	0.1679	0.1684		7.52	7.50	0.2	20.0
cis-Diallate	Ave	0.4625	0.4622		5.55	5.55	-0.0	20.0
Phorate	Ave	0.6080	0.6415		7.91	7.50	5.5	20.0
Phenacetin	Ave	0.4731	0.4781		7.58	7.50	1.1	20.0
4-Bromophenyl-phenylether	Ave	0.2042	0.2082	0.1000	7.65	7.50	2.0	20.0
trans-Diallate	Ave	0.4618	0.4647		1.96	1.95	0.6	20.0
Hexachlorobenzene	Ave	0.2056	0.2050	0.1000	7.48	7.50	-0.3	20.0
Dimethoate	Ave	0.4429	0.4549		7.70	7.50	2.7	20.0
Atrazine	Ave	0.2148	0.2268	0.0100	7.92	7.50	5.6	20.0
Pentachlorophenol	Ave	0.1593	0.1604	0.0500	7.55	7.50	0.7	20.0
4-Aminobiphenyl	Ave	0.7283	0.7703		7.93	7.50	5.8	20.0
Pentachloronitrobenzene	Ave	0.0974	0.0990		7.62	7.50	1.5	20.0
Pronamide	Ave	0.3686	0.3727		7.58	7.50	1.1	20.0
Dinoseb	Ave	0.2139	0.2074		7.27	7.50	-3.1	20.0
Phenanthrene	Ave	1.186	1.190	0.7000	7.52	7.50	0.3	20.0
Anthracene	Ave	1.182	1.236	0.7000	7.84	7.50	4.5	20.0
Carbazole	Ave	1.091	1.131	0.0100	7.78	7.50	3.7	20.0
Methyl parathion	Ave	0.3361	0.3480		7.77	7.50	3.5	20.0
Di-n-butyl phthalate	Ave	1.400	1.454	0.0100	7.79	7.50	3.9	20.0
Parathion	Ave	0.1959	0.2051		7.85	7.50	4.7	20.0
4-Nitroquinoline-1-oxide	Ave	0.1352	0.1126		6.24	7.50	-16.8	20.0
Octachlorostyrene	Ave	0.0839	0.0858		7.67	7.50	2.3	20.0
Isodrin	Ave	0.1423	0.1443		7.61	7.50	1.4	20.0
Fluoranthene	Ave	1.334	1.397	0.6000	7.85	7.50	4.7	20.0
Benidine	Ave	0.8159	0.8272		22.8	22.5	1.4	20.0
Pyrene	Ave	1.378	1.366	0.6000	7.44	7.50	-0.9	20.0
p-Dimethylamino azobenzene	Ave	0.2491	0.2566		7.73	7.50	3.0	20.0
Chlorobenzilate	Ave	0.4150	0.4117		7.44	7.50	-0.8	20.0
3,3'-Dimethylbenzidine	Ave	0.8707	0.9053		7.80	7.50	4.0	20.0
Butylbenzylphthalate	Ave	0.6299	0.6343	0.0100	7.55	7.50	0.7	20.0
2-Acetylaminofluorene	Ave	0.5009	0.5377		8.05	7.50	7.3	20.0
3,3'-Dichlorobenzidine	Ave	0.4572	0.4726	0.0100	7.75	7.50	3.4	20.0
Benzo[a]anthracene	Ave	1.126	1.211	0.8000	8.06	7.50	7.5	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2485	0.2544			7.50	2.4	20.0
Chrysene	Ave	1.190	1.223	0.7000	7.71	7.50	2.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8748	0.8986	0.0100	7.70	7.50	2.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-20766/2 Calibration Date: 07/09/2020 08:06
 Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48
 Lab File ID: DG0451.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
6-Methylchrysene	Ave	0.8540	0.8875		7.79	7.50	3.9	20.0
Di-n-octyl phthalate	Ave	1.618	1.644	0.0100	7.62	7.50	1.6	20.0
Benzo[b]fluoranthene	Ave	1.277	1.324	0.7000	7.77	7.50	3.6	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5910	0.6088		7.73	7.50	3.0	20.0
Benzo[k]fluoranthene	Ave	1.280	1.334	0.7000	7.82	7.50	4.2	20.0
Benzo[a]pyrene	Ave	1.168	1.243	0.7000	7.98	7.50	6.4	20.0
3-Methylcholanthrene	Ave	0.5672	0.5913		7.82	7.50	4.2	20.0
Dibenz[a,h]acridine	Ave	0.7932	0.7482		7.07	7.50	-5.7	20.0
Dibenz[a,j]acridine	Ave	0.8551	0.8327		7.30	7.50	-2.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8620	0.8444	0.5000	7.35	7.50	-2.0	20.0
Dibenz(a,h)anthracene	Ave	0.9189	0.9257	0.4000	7.56	7.50	0.7	20.0
Benzo[g,h,i]perylene	Ave	0.9359	0.8790	0.5000	7.04	7.50	-6.1	20.0
2-Fluorophenol (Surr)	Ave	1.741	1.728		14.9	15.0	-0.8	20.0
Phenol-d5 (Surr)	Ave	2.373	2.363		14.9	15.0	-0.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5013	0.4930		14.8	15.0	-1.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.499	1.507		15.1	15.0	0.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1692	0.1765		15.6	15.0	4.3	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8245	0.8387		15.3	15.0	1.7	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0451.D
 Lims ID: CCVIS L5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 09-Jul-2020 08:06:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 410
 Operator ID: em10340 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 10-Jul-2020 15:23:02 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1001

First Level Reviewer: monbornee

Date: 09-Jul-2020 08:44:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.606	2.606	0.000	93	344171	7.50	7.60	
2 N-Nitrosodimethylamine	74	3.142	3.142	0.000	87	546636	7.50	7.53	
3 Pyridine	79	3.183	3.183	0.000	98	900085	7.50	7.33	
4 2-Picoline	93	4.325	4.325	0.000	90	950395	7.50	7.48	
5 N-Nitrosomethylethylamine	88	4.506	4.506	0.000	83	402302	7.50	7.51	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	85	426620	7.50	7.41	
\$ 8 2-Fluorophenol	112	5.182	5.182	0.000	94	1500055	15.0	14.9	
9 N-Nitrosodiethylamine	102	5.514	5.514	0.000	90	386117	7.50	7.62	
10 Ethyl methanesulfonate	109	5.957	5.957	0.000	98	391741	7.50	7.54	
12 Benzaldehyde	77	6.418	6.418	0.000	96	648958	7.50	8.22	
\$ 13 Phenol-d5	99	6.528	6.528	0.000	98	2051833	15.0	14.9	
14 Phenol	94	6.546	6.546	0.000	94	1143934	7.50	7.68	
15 Aniline	93	6.575	6.575	0.000	97	1347874	7.50	7.60	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	97	852368	7.50	7.53	
17 2-Chlorophenol	128	6.744	6.744	0.000	92	680788	7.50	7.52	
18 1,3-Dichlorobenzene	146	6.971	6.971	0.000	95	710400	7.50	7.41	
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	96	289443	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	91	720247	7.50	7.37	
21 Benzyl alcohol	108	7.269	7.269	0.000	91	497620	7.50	7.70	
22 1,2-Dichlorobenzene	146	7.304	7.304	0.000	94	681796	7.50	7.42	
24 Indene	115	7.438	7.438	0.000	89	1084547	7.50	7.54	
23 2-Methylphenol	108	7.443	7.443	0.000	95	704771	7.50	7.66	
25 2,2'-oxybis[1-chloropropane]	45	7.490	7.490	0.000	96	896228	7.50	7.32	
26 N-Nitrosopyrrolidine	100	7.624	7.624	0.000	93	415220	7.50	7.89	
27 Acetophenone	105	7.665	7.665	0.000	95	1051186	7.50	7.76	
28 4-Methylphenol	108	7.677	7.677	0.000	96	747223	7.50	7.58	
29 N-Nitrosodi-n-propylamine	70	7.682	7.682	0.000	77	616551	7.50	7.77	
30 N-Nitrosomorpholine	56	7.694	7.694	0.000	90	500305	7.50	7.51	
31 2-Toluidine	106	7.717	7.717	0.000	95	1209429	7.50	7.65	
32 Hexachloroethane	117	7.811	7.811	0.000	97	311682	7.50	7.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.886	7.886	0.000	88	1703242	15.0	14.8	
34 Nitrobenzene	77	7.916	7.916	0.000	85	880882	7.50	7.43	
35 N-Nitrosopiperidine	114	8.143	8.143	0.000	89	372248	7.50	7.78	
36 Isophorone	82	8.289	8.289	0.000	97	1637970	7.50	7.65	
37 2-Nitrophenol	139	8.399	8.399	0.000	91	366840	7.50	7.52	
38 2,4-Dimethylphenol	107	8.493	8.493	0.000	96	769109	7.50	7.67	
39 o,o',o"-Triethylphosphorothioat	198	8.621	8.621	0.000	89	333327	7.50	7.50	
40 Benzoic acid	105	8.644	8.644	0.000	87	754537	10.0	10.8	
41 Bis(2-chloroethoxy)methane	93	8.650	8.650	0.000	99	1006659	7.50	7.52	
42 2,4-Dichlorophenol	162	8.772	8.772	0.000	97	559774	7.50	7.65	
43 1,2,4-Trichlorobenzene	180	8.906	8.906	0.000	93	572797	7.50	7.35	
* 44 Naphthalene-d8	136	8.994	8.994	0.000	100	1151650	5.00	5.00	
45 Naphthalene	128	9.023	9.023	0.000	98	1959912	7.50	7.47	
46 4-Chloroaniline	127	9.122	9.122	0.000	93	815931	7.50	7.59	
47 2,6-Dichlorophenol	162	9.128	9.128	0.000	94	532019	7.50	7.69	
48 Hexachloropropene	213	9.175	9.175	0.000	90	345192	7.50	7.23	
49 Hexachlorobutadiene	225	9.244	9.244	0.000	97	312318	7.50	7.56	
50 Quinoline	129	9.553	9.553	0.000	95	1299057	7.50	7.57	
S 51 Diallate	86				0		7.50	7.51	
52 Caprolactam	113	9.658	9.658	0.000	82	236446	7.50	7.94	
53 N-Nitrosodi-n-butylamine	84	9.687	9.687	0.000	90	565164	7.50	6.80	
54 4-Chloro-3-methylphenol	107	9.915	9.915	0.000	93	672630	7.50	7.90	
55 Safrole, Total	162	10.014	10.014	0.000	86	508082	7.50	7.60	
56 2-Methylnaphthalene	142	10.130	10.130	0.000	92	1297067	7.50	7.65	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	93	1225869	7.50	7.66	
58 Hexachlorocyclopentadiene	237	10.387	10.387	0.000	97	328460	7.50	7.11	
59 1,2,4,5-Tetrachlorobenzene	216	10.393	10.393	0.000	98	554031	7.50	7.51	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	87	89015	1.20	1.18	
61 2,4,6-Trichlorophenol	196	10.585	10.585	0.000	94	397521	7.50	7.88	
62 2,4,5-Trichlorophenol	196	10.638	10.638	0.000	92	417517	7.50	7.79	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.737	10.737	0.000	99	2675400	15.0	15.1	
64 Isosafrole Peak 2	162	10.842	10.842	0.000	89	507936	6.30	6.28	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	97	1565350	7.50	7.23	
66 2-Chloronaphthalene	162	10.900	10.900	0.000	97	1220504	7.50	7.49	
67 1-Chloronaphthalene	162	10.935	10.935	0.000	97	1137411	7.50	7.58	
68 Phenyl ether	170	11.069	11.069	0.000	86	840615	7.50	7.74	
69 2-Nitroaniline	138	11.075	11.075	0.000	77	421181	7.50	7.79	
70 1,4-Naphthoquinone	158	11.191	11.191	0.000	84	515329	7.50	7.58	
71 1,4-Dinitrobenzene	168	11.308	11.308	0.000	86	213921	7.50	7.52	
72 Dimethyl phthalate	163	11.407	11.407	0.000	97	1370944	7.50	7.57	
73 1,3-Dinitrobenzene	168	11.424	11.424	0.000	84	237381	7.50	7.44	
74 2,6-Dinitrotoluene	165	11.483	11.483	0.000	91	326347	7.50	7.71	
75 Acenaphthylene	152	11.553	11.553	0.000	99	1762079	7.50	7.75	
76 3-Nitroaniline	138	11.716	11.716	0.000	88	355652	7.50	7.66	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	591690	5.00	5.00	
78 Acenaphthene	153	11.809	11.809	0.000	96	1251044	7.50	7.53	
79 2,4-Dinitrophenol	184	11.867	11.867	0.000	85	261823	10.0	8.85	
80 4-Nitrophenol	109	11.966	11.966	0.000	83	247561	7.50	7.55	
81 Pentachlorobenzene	250	11.996	11.996	0.000	97	458838	7.50	7.56	
83 Dibenzofuran	168	12.048	12.048	0.000	94	1644540	7.50	7.50	
82 2,4-Dinitrotoluene	165	12.048	12.048	0.000	67	437612	7.50	7.58	
84 1-Naphthylamine	143	12.153	12.153	0.000	99	1244563	7.50	7.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.211	12.211	0.000	76	316535	7.50	7.56	
86 2-Naphthylamine	143	12.258	12.258	0.000	95	1220716	7.50	7.58	
87 Diethyl phthalate	149	12.392	12.392	0.000	97	1343380	7.50	7.59	
89 Fluorene	166	12.479	12.479	0.000	94	1334911	7.50	7.64	
88 Thionazin	107	12.485	12.485	0.000	78	300952	7.50	7.81	
91 4-Chlorophenyl phenyl ether	204	12.503	12.503	0.000	86	652628	7.50	7.62	
90 N-Nitro-o-toluidine	152	12.503	12.503	0.000	78	401021	7.50	7.92	
92 4-Nitroaniline	138	12.509	12.509	0.000	81	392171	7.50	7.80	
93 4,6-Dinitro-2-methylphenol	198	12.549	12.549	0.000	82	270169	7.50	7.11	
94 N-Nitrosodiphenylamine	169	12.643	12.643	0.000	63	1144251	7.50	7.62	
95 1,2-Diphenylhydrazine	77	12.689	12.689	0.000	98	1759124	7.50	7.56	
\$ 96 2,4,6-Tribromophenol	330	12.777	12.777	0.000	84	313377	15.0	15.6	
97 Sulfotepp	97	12.876	12.876	0.000	79	285584	7.50	7.52	
98 cis-Diallate	86	13.016	13.016	0.000	95	580124	5.55	5.55	
99 Phorate	75	13.021	13.021	0.000	96	1088042	7.50	7.91	
100 Phenacetin	108	13.039	13.039	0.000	92	810914	7.50	7.58	
101 4-Bromophenyl phenyl ether	248	13.097	13.097	0.000	70	353115	7.50	7.65	
102 trans-Diallate	86	13.121	13.121	0.000	98	204934	1.95	1.96	
103 Hexachlorobenzene	284	13.156	13.156	0.000	91	347709	7.50	7.48	
104 Dimethoate	87	13.225	13.225	0.000	97	771566	7.50	7.70	
105 Atrazine	200	13.325	13.325	0.000	91	384651	7.50	7.92	
106 Pentachlorophenol	266	13.406	13.406	0.000	90	272052	7.50	7.55	
107 Pentachloronitrobenzene	237	13.424	13.424	0.000	48	167837	7.50	7.62	a
108 4-Aminobiphenyl	169	13.424	13.424	0.000	91	1306635	7.50	7.93	
109 Pronamide	173	13.517	13.517	0.000	90	632197	7.50	7.58	
* 110 Phenanthrene-d10	188	13.651	13.651	0.000	97	1130818	5.00	5.00	
111 Dinoseb	211	13.663	13.663	0.000	95	351741	7.50	7.27	
112 Phenanthrene	178	13.680	13.680	0.000	98	2017975	7.50	7.52	
113 Anthracene	178	13.744	13.744	0.000	99	2096482	7.50	7.84	
114 Carbazole	167	13.966	13.966	0.000	96	1918729	7.50	7.78	
115 Methyl parathion	109	14.170	14.170	0.000	90	590213	7.50	7.77	
116 Di-n-butyl phthalate	149	14.479	14.479	0.000	100	2467117	7.50	7.79	
117 Ethyl Parathion	109	14.718	14.718	0.000	84	347875	7.50	7.85	
118 4-Nitroquinoline-1-oxide	190	14.729	14.729	0.000	89	190949	7.50	6.24	
119 Octachlorostyrene	308	15.073	15.073	0.000	90	145560	7.50	7.67	
120 Isodrin	193	15.126	15.126	0.000	90	244761	7.50	7.61	
121 Fluoranthene	202	15.347	15.347	0.000	99	2369436	7.50	7.85	
122 Benzidine	184	15.580	15.580	0.000	99	4420098	22.5	22.8	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	1187408	5.00	5.00	
124 Pyrene	202	15.697	15.697	0.000	96	2433322	7.50	7.44	
\$ 125 p-Terphenyl-d14	244	15.977	15.977	0.000	99	2987493	15.0	15.3	
126 p-Dimethylamino azobenzene	225	16.210	16.210	0.000	93	457057	7.50	7.73	
127 Chlorobenzilate	139	16.303	16.303	0.000	88	733275	7.50	7.44	
128 3,3'-Dimethylbenzidine	212	16.775	16.775	0.000	99	1612370	7.50	7.80	
129 Butyl benzyl phthalate	149	16.833	16.833	0.000	95	1129689	7.50	7.55	
130 2-Acetylaminofluorene	181	17.195	17.195	0.000	95	957722	7.50	8.05	
131 3,3'-Dichlorobenzidine	252	17.708	17.708	0.000	81	841773	7.50	7.75	
132 Benzo[a]anthracene	228	17.719	17.719	0.000	99	2156065	7.50	8.06	
133 4,4'-Methylene bis(2-chloroani	231	17.725	17.725	0.000	95	453140	7.50	7.68	
134 Chrysene	228	17.783	17.783	0.000	97	2178429	7.50	7.71	
135 Bis(2-ethylhexyl) phthalate	149	17.906	17.906	0.000	97	1600551	7.50	7.70	
136 6-Methylchrysene	242	18.588	18.588	0.000	100	1580671	7.50	7.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.072	19.072	0.000	99	2780014	7.50	7.62	
138 Benzo[b]fluoranthene	252	19.585	19.585	0.000	98	2238375	7.50	7.77	
139 7,12-Dimethylbenz(a)anthracene	256	19.590	19.590	0.000	91	1029217	7.50	7.73	
140 Benzo[k]fluoranthene	252	19.631	19.631	0.000	99	2254687	7.50	7.82	
141 Benzo[a]pyrene	252	20.109	20.109	0.000	80	2101225	7.50	7.98	
* 142 Perylene-d12	264	20.197	20.197	0.000	97	1127012	5.00	5.00	
143 3-Methylcholanthrene	268	20.680	20.680	0.000	93	999551	7.50	7.82	
144 Dibenz[a,h]acridine	279	21.496	21.496	0.000	92	1264843	7.50	7.07	
145 Dibenz[a,j]acridine	279	21.566	21.566	0.000	95	1407640	7.50	7.30	
146 Indeno[1,2,3-cd]pyrene	276	21.823	21.823	0.000	98	1427542	7.50	7.35	
147 Dibenz(a,h)anthracene	278	21.863	21.863	0.000	94	1564949	7.50	7.56	
148 Benzo[g,h,i]perylene	276	22.225	22.225	0.000	95	1485994	7.50	7.04	
S 152 Dinitrotoluene	165				0		15.0	15.3	
S 170 Isosafrole	162				0		7.50	7.46	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_5_00005

Amount Added: 1.00

Units: mL

Report Date: 10-Jul-2020 15:23:04

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0451.D

Injection Date: 09-Jul-2020 08:06:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: CCVIS L5

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

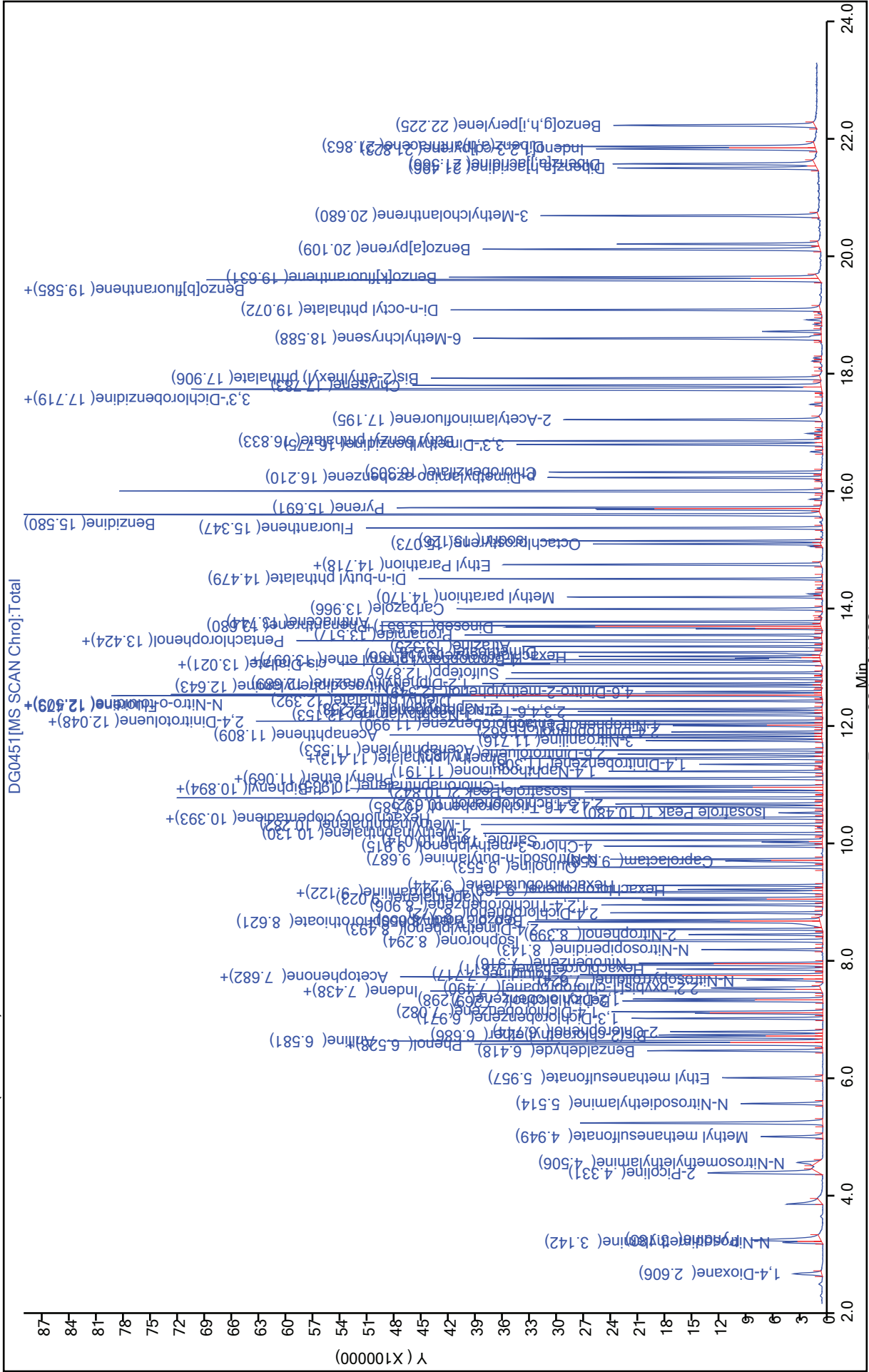
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0451.D

Injection Date: 09-Jul-2020 08:06:30

Instrument ID: HP19760

Lims ID: CCVIS L5

Client ID:

Operator ID: em10340

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: MSSemi_HP19760

Limit Group:

MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector

MS SCAN

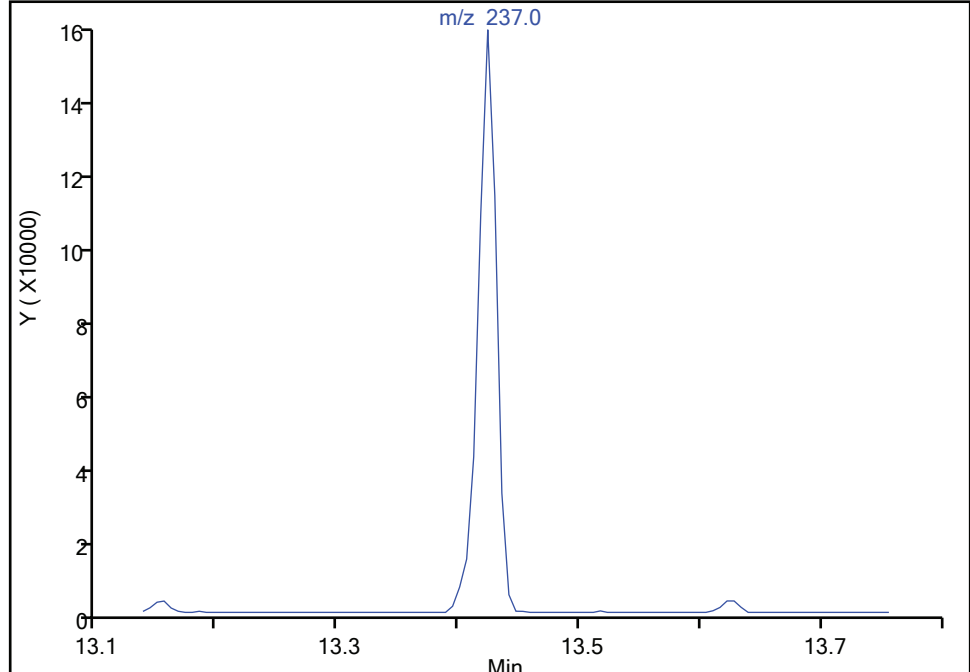
107 Pentachloronitrobenzene, CAS: 82-68-8

Signal: 1

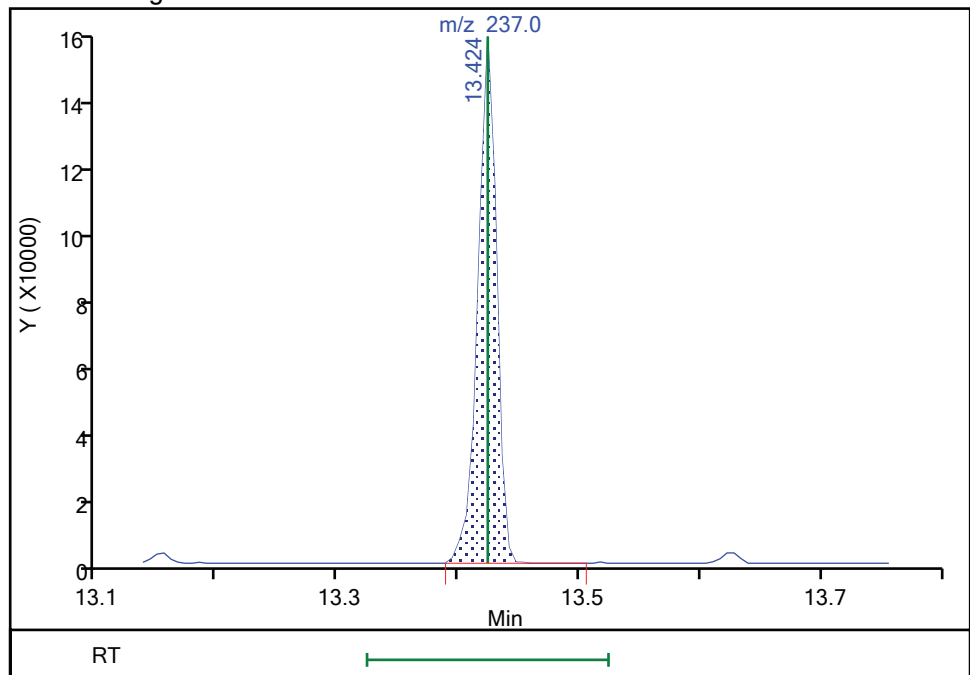
Not Detected

Expected RT: 13.42

Processing Integration Results



Manual Integration Results



Reviewer: monbornee, 09-Jul-2020 08:42:22

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-21270/2 Calibration Date: 07/10/2020 11:15

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0521.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7827	0.8173		3.92	3.75	4.4	20.0
N-Nitrosodimethylamine	Ave	1.254	1.264		3.78	3.75	0.8	20.0
Pyridine	Ave	2.122	2.171		3.84	3.75	2.3	20.0
2-Picoline	Ave	2.195	2.241		3.83	3.75	2.1	20.0
N-Nitrosomethylethylamine	Ave	0.9251	0.9382		3.80	3.75	1.4	20.0
Methyl methanesulfonate	Ave	0.9950	1.006		3.79	3.75	1.1	20.0
N-Nitrosodiethylamine	Ave	0.8757	0.8851		3.79	3.75	1.1	20.0
Ethyl methanesulfonate	Ave	0.8978	0.9176		3.83	3.75	2.2	20.0
Benzaldehyde	Ave	1.364	1.427	0.0100	3.92	3.75	4.6	20.0
Phenol	Ave	2.572	2.648	0.8000	3.86	3.75	2.9	20.0
Aniline	Ave	3.064	3.163		3.87	3.75	3.2	20.0
Bis(2-chloroethyl)ether	Ave	1.956	2.034	0.7000	3.90	3.75	4.0	20.0
2-Chlorophenol	Ave	1.565	1.605	0.8000	3.85	3.75	2.6	20.0
1,3-Dichlorobenzene	Ave	1.657	1.730		3.92	3.75	4.5	20.0
1,4-Dichlorobenzene	Ave	1.687	1.716		3.81	3.75	1.7	20.0
Benzyl alcohol	Ave	1.116	1.087		3.65	3.75	-2.6	20.0
1,2-Dichlorobenzene	Ave	1.587	1.657		3.92	3.75	4.4	20.0
Indene	Ave	2.485	2.507		3.78	3.75	0.9	20.0
2-Methylphenol	Ave	1.590	1.588	0.7000	3.75	3.75	-0.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.116	2.177	0.0100	3.86	3.75	2.9	20.0
N-Nitrosopyrrolidine	Ave	0.9093	0.9125		3.76	3.75	0.3	20.0
Acetophenone	Ave	2.340	2.374	0.0100	3.80	3.75	1.4	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.702	1.687	0.6000	3.72	3.75	-0.9	20.0
N-Nitrosodi-n-propylamine	Ave	1.371	1.413	0.5000	3.86	3.75	3.0	20.0
N-Nitrosomorpholine	Ave	1.150	1.132		3.69	3.75	-1.6	20.0
o-Toluidine	Ave	2.732	2.794		3.84	3.75	2.3	20.0
Hexachloroethane	Ave	0.7504	0.7650	0.3000	3.82	3.75	1.9	20.0
Nitrobenzene	Ave	0.5149	0.5368	0.2000	3.91	3.75	4.3	20.0
N-Nitrosopiperidine	Ave	0.2077	0.2145		3.87	3.75	3.3	20.0
Isophorone	Ave	0.9295	0.9593	0.4000	3.87	3.75	3.2	20.0
2-Nitrophenol	Ave	0.2119	0.2117	0.1000	3.75	3.75	-0.1	20.0
2,4-Dimethylphenol	Ave	0.4353	0.4465	0.2000	3.85	3.75	2.6	20.0
Benzoic acid	Ave	0.3038	0.2664		6.58	7.50	-12.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1929	0.1941		3.77	3.75	0.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.5809	0.6188	0.3000	3.99	3.75	6.5	20.0
2,4-Dichlorophenol	Ave	0.3175	0.3254	0.2000	3.84	3.75	2.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3384	0.3547		3.93	3.75	4.8	20.0
Naphthalene	Ave	1.139	1.180	0.7000	3.89	3.75	3.6	20.0
4-Chloroaniline	Ave	0.4669	0.4804	0.0100	3.86	3.75	2.9	20.0
2,6-Dichlorophenol	Ave	0.3003	0.3094		3.86	3.75	3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-21270/2 Calibration Date: 07/10/2020 11:15

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0521.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2072	0.2068		3.74	3.75	-0.2	20.0
Hexachlorobutadiene	Ave	0.1793	0.1888	0.0100	3.95	3.75	5.3	20.0
Quinoline	Ave	0.7447	0.7579		3.82	3.75	1.8	20.0
Caprolactam	Ave	0.1293	0.1311	0.0100	3.80	3.75	1.4	20.0
N-Nitrosodi-n-butylamine	Ave	0.3608	0.3218		3.34	3.75	-10.8	20.0
4-Chloro-3-methylphenol	Ave	0.3694	0.3799	0.2000	3.86	3.75	2.8	20.0
Safrole, Total	Ave	0.2903	0.2974		3.84	3.75	2.4	20.0
2-Methylnaphthalene	Ave	0.7360	0.7635	0.4000	3.89	3.75	3.7	20.0
1-Methylnaphthalene	Ave	0.6949	0.7188		3.88	3.75	3.4	20.0
Hexachlorocyclopentadiene	Ave	0.3903	0.3798	0.0500	3.65	3.75	-2.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6236	0.6502	0.0100	3.91	3.75	4.3	20.0
Isosafrole Peak 1	Ave	0.6349	0.6214			0.600	-2.1	20.0
2,4,6-Trichlorophenol	Ave	0.4261	0.4436	0.2000	3.90	3.75	4.1	20.0
2,4,5-Trichlorophenol	Ave	0.4529	0.4696	0.2000	3.89	3.75	3.7	20.0
Isosafrole Peak 2	Ave	0.6838	0.6846		3.15	3.15	0.1	20.0
1,1'-Biphenyl	Ave	1.830	1.838	0.0100	3.77	3.75	0.4	20.0
2-Chloronaphthalene	Ave	1.377	1.485	0.8000	4.04	3.75	7.9	20.0
1-Chloronaphthalene	Ave	1.267	1.276		3.78	3.75	0.7	20.0
Diphenyl ether	Lin1		1.035		4.07	3.75	8.6	20.0
2-Nitroaniline	Ave	0.4571	0.4739	0.0100	3.89	3.75	3.7	20.0
1,4-Naphthoquinone	Ave	0.5742	0.5849			3.75	1.9	20.0
1,4-Dinitrobenzene	Ave	0.2404	0.2380		3.71	3.75	-1.0	20.0
Dimethyl phthalate	Ave	1.530	1.591	0.0100	3.90	3.75	4.0	20.0
1,3-Dinitrobenzene	Ave	0.2697	0.2708		3.77	3.75	0.4	20.0
2,6-Dinitrotoluene	Ave	0.3575	0.3870	0.2000	4.06	3.75	8.2	20.0
Acenaphthylene	Ave	1.922	2.041	0.9000	3.98	3.75	6.2	20.0
3-Nitroaniline	Ave	0.3924	0.3946	0.0100	3.77	3.75	0.6	20.0
Acenaphthene	Ave	1.404	1.469	0.9000	3.92	3.75	4.6	20.0
2,4-Dinitrophenol	Ave	0.2500	0.2017	0.0100	6.05	7.50	-19.3	20.0
4-Nitrophenol	Ave	0.2773	0.2360	0.0100	3.19	3.75	-14.9	20.0
Pentachlorobenzene	Ave	0.5132	0.5452		3.98	3.75	6.2	20.0
2,4-Dinitrotoluene	Ave	0.4878	0.4898	0.2000	3.77	3.75	0.4	20.0
Dibenzofuran	Ave	1.854	1.939	0.8000	3.92	3.75	4.6	20.0
1-Naphthylamine	Ave	1.398	1.413		3.79	3.75	1.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3537	0.3513	0.0100	3.72	3.75	-0.7	20.0
2-Naphthylamine	Ave	1.361	1.381		3.80	3.75	1.4	20.0
Diethyl phthalate	Ave	1.496	1.520	0.0100	3.81	3.75	1.5	20.0
Fluorene	Ave	1.477	1.543	0.9000	3.92	3.75	4.4	20.0
Thionazin	Ave	0.3255	0.3265		3.76	3.75	0.3	20.0
5-Nitro-o-toluidine	Ave	0.4281	0.4398		3.85	3.75	2.7	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7239	0.7530	0.4000	3.90	3.75	4.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Lab Sample ID: CCVIS 410-21270/2 Calibration Date: 07/10/2020 11:15

Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17

GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48

Lab File ID: DG0521.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.4248	0.4554	0.0100	4.02	3.75	7.2	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1681	0.1585	0.0100	3.54	3.75	-5.7	20.0
N-Nitrosodiphenylamine	Ave	0.6635	0.7064	0.0100	3.99	3.75	6.5	20.0
1,2-Diphenylhydrazine	Ave	1.029	1.104		4.02	3.75	7.3	20.0
Sulfotepp	Ave	0.1679	0.1670		3.73	3.75	-0.6	20.0
cis-Diallate	Ave	0.4625	0.4680		2.81	2.78	1.2	20.0
Phorate	Ave	0.6080	0.6473		3.99	3.75	6.5	20.0
Phenacetin	Ave	0.4731	0.4785		3.79	3.75	1.1	20.0
4-Bromophenyl-phenylether	Ave	0.2042	0.2186	0.1000	4.01	3.75	7.0	20.0
trans-Diallate	Ave	0.4618	0.4708		0.994	0.975	2.0	20.0
Hexachlorobenzene	Ave	0.2056	0.2200	0.1000	4.01	3.75	7.0	20.0
Dimethoate	Ave	0.4429	0.4583		3.88	3.75	3.5	20.0
Atrazine	Ave	0.2148	0.2412	0.0100	4.21	3.75	12.3	20.0
Pentachlorophenol	Ave	0.1593	0.1572	0.0500	3.70	3.75	-1.3	20.0
4-Aminobiphenyl	Ave	0.7283	0.7946		4.09	3.75	9.1	20.0
Pronamide	Ave	0.3686	0.3767		3.83	3.75	2.2	20.0
Dinoseb	Ave	0.2139	0.1935		3.39	3.75	-9.6	20.0
Phenanthrene	Ave	1.186	1.235	0.7000	3.90	3.75	4.1	20.0
Anthracene	Ave	1.182	1.269	0.7000	4.02	3.75	7.3	20.0
Carbazole	Ave	1.091	1.173	0.0100	4.03	3.75	7.5	20.0
Methyl parathion	Ave	0.3361	0.3338		3.72	3.75	-0.7	20.0
Di-n-butyl phthalate	Ave	1.400	1.462	0.0100	3.92	3.75	4.4	20.0
Parathion	Ave	0.1959	0.1854		3.55	3.75	-5.4	20.0
4-Nitroquinoline-1-oxide	Ave	0.1352	0.0790			3.75	-41.6*	20.0
Octachlorostyrene	Ave	0.0839	0.0865		3.86	3.75	3.0	20.0
Isodrin	Ave	0.1423	0.1523		4.01	3.75	7.1	20.0
Fluoranthene	Ave	1.334	1.434	0.6000	4.03	3.75	7.4	20.0
Benzidine	Ave	0.8159	0.8262		11.4	11.3	1.3	20.0
Pyrene	Ave	1.378	1.389	0.6000	3.78	3.75	0.8	20.0
p-Dimethylamino azobenzene	Ave	0.2491	0.2414		3.63	3.75	-3.1	20.0
Chlorobenzilate	Ave	0.4150	0.4000		3.61	3.75	-3.6	20.0
3,3'-Dimethylbenzidine	Ave	0.8707	0.8141			3.75	-6.5	20.0
Butylbenzylphthalate	Ave	0.6299	0.6213	0.0100	3.70	3.75	-1.4	20.0
2-Acetylaminofluorene	Ave	0.5009	0.4385		3.28	3.75	-12.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4572	0.4392	0.0100	3.60	3.75	-3.9	20.0
Benzo[a]anthracene	Ave	1.126	1.190	0.8000	3.96	3.75	5.7	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2485	0.2352			3.75	-5.4	20.0
Chrysene	Ave	1.190	1.255	0.7000	3.96	3.75	5.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8748	0.8417	0.0100	3.61	3.75	-3.8	20.0
6-Methylchrysene	Ave	0.8540	0.8481		3.72	3.75	-0.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-21270/2 Calibration Date: 07/10/2020 11:15
 Instrument ID: HP19760 Calib Start Date: 07/08/2020 08:17
 GC Column: DB-5MS 30m 0.25 ID: 0.25 (mm) Calib End Date: 07/08/2020 11:48
 Lab File ID: DG0521.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.618	1.525	0.0100	3.53	3.75	-5.8	20.0
Benzo[b]fluoranthene	Ave	1.277	1.299	0.7000	3.81	3.75	1.7	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5910	0.6218		3.95	3.75	5.2	20.0
Benzo[k]fluoranthene	Ave	1.280	1.424	0.7000	4.17	3.75	11.3	20.0
Benzo[a]pyrene	Ave	1.168	1.252	0.7000	4.02	3.75	7.2	20.0
3-Methylcholanthrene	Ave	0.5672	0.5618		3.71	3.75	-0.9	20.0
Dibenz[a,h]acridine	Ave	0.7932	0.6481		3.06	3.75	-18.3	20.0
Dibenz[a,j]acridine	Ave	0.8551	0.7430		3.26	3.75	-13.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8620	0.7846	0.5000	3.41	3.75	-9.0	20.0
Dibenz(a,h)anthracene	Ave	0.9189	0.8505	0.4000	3.47	3.75	-7.4	20.0
Benzo[g,h,i]perylene	Ave	0.9359	0.8200	0.5000	3.29	3.75	-12.4	20.0
Pentachloronitrobenzene	Ave	0.0974				3.75		
2-Fluorophenol (Surr)	Ave	1.741	1.726		7.44	7.50	-0.8	20.0
Phenol-d5 (Surr)	Ave	2.373	2.361		7.46	7.50	-0.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5013	0.5247		7.85	7.50	4.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.499	1.576		7.89	7.50	5.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1692	0.1718		7.61	7.50	1.5	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8245	0.8561		7.79	7.50	3.8	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0521.D
 Lims ID: CCVIS L4
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 10-Jul-2020 11:15:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: CCVIS L4
 Misc. Info.: 410-0005260-002
 Operator ID: lmh00956 Instrument ID: HP19760
 Sublist: chrom-MSSemi_HP19760*sub5
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 12-Jul-2020 09:43:07 Calib Date: 10-Jul-2020 16:56:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0533.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: hartenstineI

Date: 10-Jul-2020 16:13:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.600	2.600	0.000	94	137362	3.75	3.92	
2 N-Nitrosodimethylamine	74	3.136	3.136	0.000	87	212370	3.75	3.78	
3 Pyridine	79	3.177	3.177	0.000	98	364879	3.75	3.84	
4 2-Picoline	93	4.325	4.325	0.000	90	376639	3.75	3.83	
5 N-Nitrosomethylethylamine	88	4.506	4.506	0.000	82	157682	3.75	3.80	
7 Methyl methanesulfonate	80	4.949	4.949	0.000	84	169100	3.75	3.79	
\$ 8 2-Fluorophenol	112	5.176	5.176	0.000	94	580252	7.50	7.44	
9 N-Nitrosodiethylamine	102	5.508	5.508	0.000	91	148749	3.75	3.79	
10 Ethyl methanesulfonate	109	5.951	5.951	0.000	97	154216	3.75	3.83	
12 Benzaldehyde	77	6.418	6.418	0.000	96	239851	3.75	3.92	
\$ 13 Phenol-d5	99	6.522	6.522	0.000	99	793763	7.50	7.46	
14 Phenol	94	6.540	6.540	0.000	94	444968	3.75	3.86	
15 Aniline	93	6.575	6.575	0.000	97	531590	3.75	3.87	
16 Bis(2-chloroethyl)ether	93	6.686	6.686	0.000	97	341799	3.75	3.90	
17 2-Chlorophenol	128	6.738	6.738	0.000	92	269720	3.75	3.85	
18 1,3-Dichlorobenzene	146	6.965	6.965	0.000	95	290820	3.75	3.92	
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.053	0.000	97	224087	5.00	5.00	
20 1,4-Dichlorobenzene	146	7.082	7.082	0.000	91	288426	3.75	3.81	
21 Benzyl alcohol	108	7.263	7.263	0.000	91	182682	3.75	3.65	
22 1,2-Dichlorobenzene	146	7.298	7.298	0.000	94	278422	3.75	3.92	
24 Indene	115	7.432	7.432	0.000	89	421384	3.75	3.78	
23 2-Methylphenol	108	7.438	7.438	0.000	95	266911	3.75	3.75	
25 2,2'-oxybis[1-chloropropane]	45	7.484	7.484	0.000	95	365825	3.75	3.86	
26 N-Nitrosopyrrolidine	100	7.618	7.618	0.000	93	153353	3.75	3.76	
27 Acetophenone	105	7.659	7.659	0.000	95	398956	3.75	3.80	
28 4-Methylphenol	108	7.671	7.671	0.000	93	283465	3.75	3.72	
29 N-Nitrosodi-n-propylamine	70	7.677	7.677	0.000	75	237404	3.75	3.86	
30 N-Nitrosomorpholine	56	7.688	7.688	0.000	92	190172	3.75	3.69	
31 2-Toluidine	106	7.712	7.712	0.000	94	469582	3.75	3.84	
32 Hexachloroethane	117	7.811	7.811	0.000	96	128575	3.75	3.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 33 Nitrobenzene-d5	82	7.881	7.881	0.000	87	686004	7.50	7.85	
34 Nitrobenzene	77	7.910	7.910	0.000	85	350869	3.75	3.91	
35 N-Nitrosopiperidine	114	8.137	8.137	0.000	88	140236	3.75	3.87	
36 Isophorone	82	8.289	8.289	0.000	97	627028	3.75	3.87	
37 2-Nitrophenol	139	8.399	8.399	0.000	91	138369	3.75	3.75	
38 2,4-Dimethylphenol	107	8.487	8.487	0.000	96	291852	3.75	3.85	
40 Benzoic acid	105	8.609	8.609	0.000	86	348229	7.50	6.58	
39 o,o',o"-Triethylphosphorothioat	198	8.615	8.615	0.000	90	126889	3.75	3.77	
41 Bis(2-chloroethoxy)methane	93	8.650	8.650	0.000	99	404486	3.75	3.99	
42 2,4-Dichlorophenol	162	8.772	8.772	0.000	97	212677	3.75	3.84	
43 1,2,4-Trichlorobenzene	180	8.906	8.906	0.000	93	231854	3.75	3.93	
* 44 Naphthalene-d8	136	8.988	8.988	0.000	100	871540	5.00	5.00	
45 Naphthalene	128	9.023	9.023	0.000	98	771463	3.75	3.89	
46 4-Chloroaniline	127	9.116	9.116	0.000	93	314005	3.75	3.86	
47 2,6-Dichlorophenol	162	9.128	9.128	0.000	93	202259	3.75	3.86	
48 Hexachloropropene	213	9.169	9.169	0.000	90	135167	3.75	3.74	
49 Hexachlorobutadiene	225	9.239	9.239	0.000	97	123377	3.75	3.95	
50 Quinoline	129	9.548	9.548	0.000	95	495419	3.75	3.82	
52 Caprolactam	113	9.629	9.629	0.000	84	85723	3.75	3.80	
S 51 Diallate	86				0		3.75	3.80	
53 N-Nitrosodi-n-butylamine	84	9.682	9.682	0.000	92	210363	3.75	3.34	
54 4-Chloro-3-methylphenol	107	9.903	9.903	0.000	93	248303	3.75	3.86	
55 Safrole, Total	162	10.014	10.014	0.000	86	194397	3.75	3.84	
56 2-Methylnaphthalene	142	10.125	10.125	0.000	92	499064	3.75	3.89	
57 1-Methylnaphthalene	142	10.282	10.282	0.000	93	469832	3.75	3.88	
58 Hexachlorocyclopentadiene	237	10.387	10.387	0.000	97	123633	3.75	3.65	
59 1,2,4,5-Tetrachlorobenzene	216	10.393	10.393	0.000	98	211664	3.75	3.91	
60 Isosafrole Peak 1	162	10.480	10.480	0.000	85	32368	0.6000	0.5872	
61 2,4,6-Trichlorophenol	196	10.585	10.585	0.000	94	144420	3.75	3.90	
62 2,4,5-Trichlorophenol	196	10.632	10.632	0.000	91	152871	3.75	3.89	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.731	10.731	0.000	100	1025917	7.50	7.89	
64 Isosafrole Peak 2	162	10.841	10.841	0.000	89	187210	3.15	3.15	
65 1,1'-Biphenyl	154	10.888	10.888	0.000	96	598359	3.75	3.77	
66 2-Chloronaphthalene	162	10.900	10.900	0.000	97	483478	3.75	4.04	
67 1-Chloronaphthalene	162	10.929	10.929	0.000	97	415362	3.75	3.78	
68 Phenyl ether	170	11.063	11.063	0.000	87	336870	3.75	4.07	
69 2-Nitroaniline	138	11.069	11.069	0.000	77	154273	3.75	3.89	
70 1,4-Naphthoquinone	158	11.185	11.185	0.000	84	190422	3.75	3.82	
71 1,4-Dinitrobenzene	168	11.308	11.308	0.000	87	77473	3.75	3.71	
72 Dimethyl phthalate	163	11.401	11.401	0.000	97	518037	3.75	3.90	
73 1,3-Dinitrobenzene	168	11.419	11.419	0.000	86	88153	3.75	3.77	
74 2,6-Dinitrotoluene	165	11.477	11.477	0.000	92	125971	3.75	4.06	
75 Acenaphthylene	152	11.553	11.553	0.000	99	664408	3.75	3.98	
76 3-Nitroaniline	138	11.710	11.710	0.000	87	128472	3.75	3.77	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	434061	5.00	5.00	
78 Acenaphthene	153	11.809	11.809	0.000	96	478321	3.75	3.92	
79 2,4-Dinitrophenol	184	11.861	11.861	0.000	84	131320	7.50	6.05	
80 4-Nitrophenol	109	11.961	11.961	0.000	83	76818	3.75	3.19	
81 Pentachlorobenzene	250	11.990	11.990	0.000	97	177484	3.75	3.98	
82 2,4-Dinitrotoluene	165	12.042	12.042	0.000	88	159462	3.75	3.77	
83 Dibenzofuran	168	12.048	12.048	0.000	97	631215	3.75	3.92	
84 1-Naphthylamine	143	12.147	12.147	0.000	99	460089	3.75	3.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 2,3,4,6-Tetrachlorophenol	232	12.211	12.211	0.000	77	114361	3.75	3.72	
86 2-Naphthylamine	143	12.252	12.252	0.000	95	449433	3.75	3.80	
87 Diethyl phthalate	149	12.386	12.386	0.000	97	494670	3.75	3.81	
89 Fluorene	166	12.479	12.479	0.000	94	502172	3.75	3.92	
88 Thionazin	107	12.479	12.479	0.000	52	106299	3.75	3.76	
90 N-Nitro-o-toluidine	152	12.497	12.497	0.000	89	143169	3.75	3.85	
92 4-Nitroaniline	138	12.503	12.503	0.000	78	148244	3.75	4.02	
91 4-Chlorophenyl phenyl ether	204	12.503	12.503	0.000	90	245129	3.75	3.90	
93 4,6-Dinitro-2-methylphenol	198	12.543	12.543	0.000	82	95556	3.75	3.54	
94 N-Nitrosodiphenylamine	169	12.643	12.643	0.000	62	425883	3.75	3.99	
95 1,2-Diphenylhydrazine	77	12.689	12.689	0.000	98	665568	3.75	4.02	
\$ 96 2,4,6-Tribromophenol	330	12.771	12.771	0.000	83	111837	7.50	7.61	
97 Sulfotepp	97	12.870	12.870	0.000	79	100658	3.75	3.73	
98 cis-Diallate	86	13.016	13.016	0.000	84	208797	2.78	2.81	
99 Phorate	75	13.021	13.021	0.000	96	390281	3.75	3.99	
100 Phenacetin	108	13.033	13.033	0.000	92	288494	3.75	3.79	
101 4-Bromophenyl phenyl ether	248	13.097	13.097	0.000	70	131769	3.75	4.01	
102 trans-Diallate	86	13.120	13.120	0.000	97	73806	0.9750	0.99	
103 Hexachlorobenzene	284	13.150	13.150	0.000	91	132616	3.75	4.01	
104 Dimethoate	87	13.214	13.214	0.000	97	276289	3.75	3.88	
105 Atrazine	200	13.319	13.319	0.000	91	145404	3.75	4.21	
106 Pentachlorophenol	266	13.406	13.406	0.000	90	94756	3.75	3.70	
108 4-Aminobiphenyl	169	13.418	13.418	0.000	90	479036	3.75	4.09	
107 Pentachloronitrobenzene	237		13.423				ND	ND	
109 Pronamide	173	13.517	13.517	0.000	90	227117	3.75	3.83	
* 110 Phenanthrene-d10	188	13.645	13.645	0.000	97	803873	5.00	5.00	
111 Dinoseb	211	13.657	13.657	0.000	94	116634	3.75	3.39	
112 Phenanthrene	178	13.674	13.674	0.000	98	744424	3.75	3.90	
113 Anthracene	178	13.744	13.744	0.000	98	764854	3.75	4.02	
114 Carbazole	167	13.960	13.960	0.000	96	706927	3.75	4.03	
115 Methyl parathion	109	14.164	14.164	0.000	91	201225	3.75	3.72	
116 Di-n-butyl phthalate	149	14.473	14.473	0.000	100	881519	3.75	3.92	
117 Ethyl Parathion	109	14.718	14.718	0.000	84	111751	3.75	3.55	
118 4-Nitroquinoline-1-oxide	190	14.729	14.729	0.000	80	47614	3.75	2.19	
119 Octachlorostyrene	308	15.073	15.073	0.000	89	52137	3.75	3.86	
120 Isodrin	193	15.126	15.126	0.000	89	91834	3.75	4.01	
121 Fluoranthene	202	15.341	15.341	0.000	99	864291	3.75	4.03	
122 Benzidine	184	15.569	15.569	0.000	99	1597032	11.3	11.4	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	859072	5.00	5.00	
124 Pyrene	202	15.691	15.691	0.000	96	895060	3.75	3.78	
\$ 125 p-Terphenyl-d14	244	15.971	15.971	0.000	99	1103139	7.50	7.79	
126 p-Dimethylamino azobenzene	225	16.210	16.210	0.000	93	155546	3.75	3.63	
127 Chlorobenzilate	139	16.297	16.297	0.000	87	257739	3.75	3.61	
128 3,3'-Dimethylbenzidine	212	16.769	16.769	0.000	99	524498	3.75	3.51	
129 Butyl benzyl phthalate	149	16.833	16.833	0.000	95	400281	3.75	3.70	
130 2-Acetylaminofluorene	181	17.189	17.189	0.000	95	282532	3.75	3.28	
131 3,3'-Dichlorobenzidine	252	17.702	17.702	0.000	73	282959	3.75	3.60	
132 Benzo[a]anthracene	228	17.713	17.713	0.000	100	766618	3.75	3.96	
133 4,4'-Methylene bis(2-chloroani	231	17.719	17.719	0.000	93	151554	3.75	3.55	
134 Chrysene	228	17.778	17.778	0.000	97	808765	3.75	3.96	
135 Bis(2-ethylhexyl) phthalate	149	17.906	17.906	0.000	98	542312	3.75	3.61	
136 6-Methylchrysene	242	18.582	18.582	0.000	99	546422	3.75	3.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
137 Di-n-octyl phthalate	149	19.072	19.072	0.000	99	872889	3.75	3.53	
138 Benzo[b]fluoranthene	252	19.573	19.573	0.000	98	743544	3.75	3.81	
139 7,12-Dimethylbenz(a)anthracene	256	19.579	19.579	0.000	92	355925	3.75	3.95	
140 Benzo[k]fluoranthene	252	19.619	19.619	0.000	99	815144	3.75	4.17	
141 Benzo[a]pyrene	252	20.103	20.103	0.000	80	716484	3.75	4.02	
* 142 Perylene-d12	264	20.196	20.196	0.000	97	763177	5.00	5.00	
143 3-Methylcholanthrene	268	20.674	20.674	0.000	93	321584	3.75	3.71	
144 Dibenz[a,h]acridine	279	21.485	21.485	0.000	92	370972	3.75	3.06	
145 Dibenz[a,j]acridine	279	21.560	21.560	0.000	96	425272	3.75	3.26	
146 Indeno[1,2,3-cd]pyrene	276	21.811	21.811	0.000	98	449081	3.75	3.41	
147 Dibenz(a,h)anthracene	278	21.852	21.852	0.000	93	486830	3.75	3.47	
148 Benzo[g,h,i]perylene	276	22.213	22.213	0.000	95	469323	3.75	3.29	
S 152 Dinitrotoluene	165				0		7.50	7.82	
S 170 Isosafrole	162				0		3.75	3.74	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSS_RV8270_4_00005

Amount Added: 1.00

Units: mL

Report Date: 12-Jul-2020 09:43:10

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0521.D

Injection Date: 10-Jul-2020 11:15:30

Instrument ID: HP19760

Operator ID: Imh00956

Lims ID: CCVIS L4

Worklist Smp#:

2

Client ID:

Injection Vol: 1.0 ul

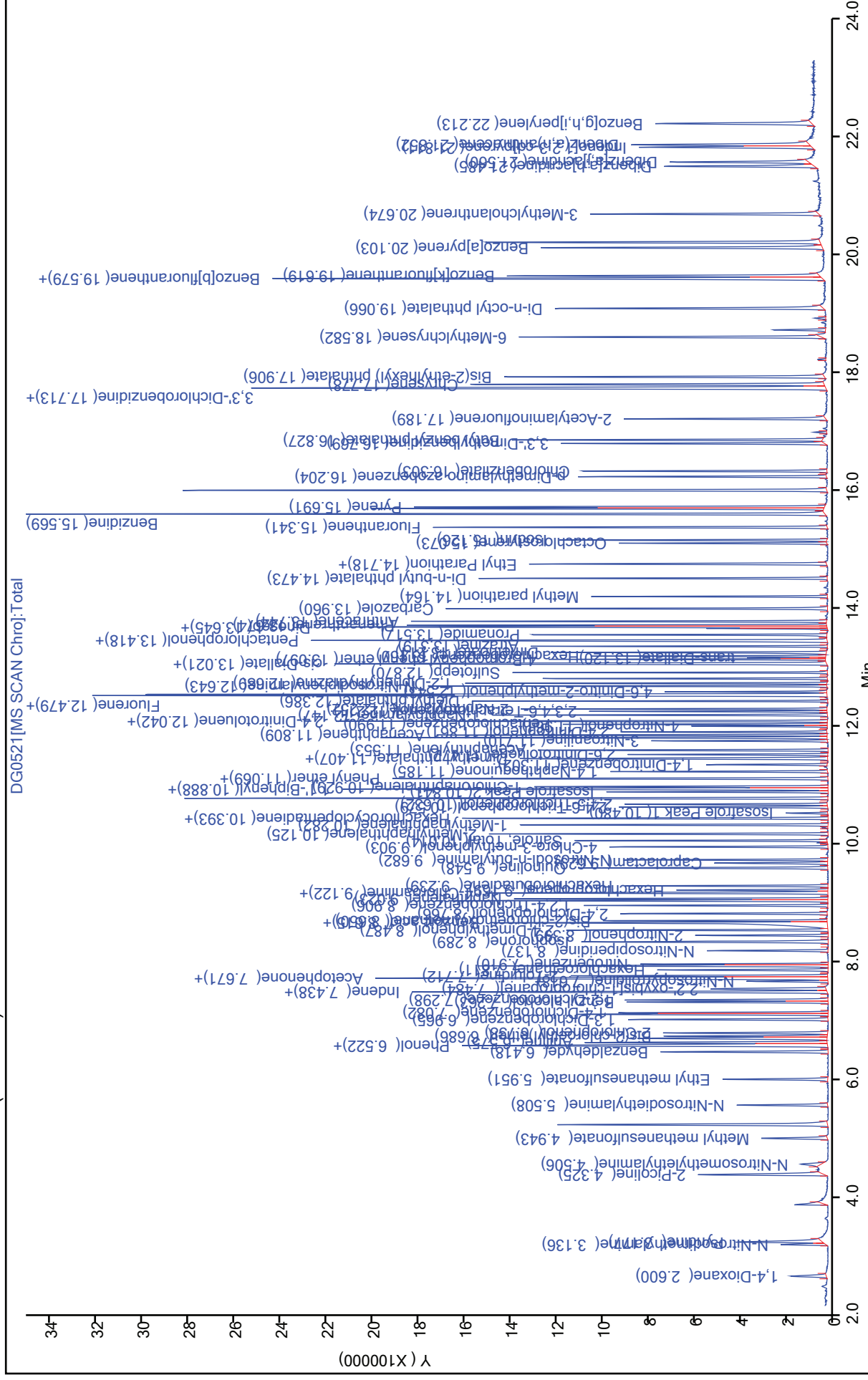
ALS Bottle#: 2

Dil. Factor: 1.0000

Method: MSSemi HP19760

MSSV - 8270D ELVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 15-Apr-2020 15:22:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP12.5;rvDFTPP0430;1;3;DFTPP;
 Misc. Info.: ;ALL.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 04-Jun-2020 17:12:13 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1050

First Level Reviewer: bauera

Date: 04-Jun-2020 16:12:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	5.077	5.077	0.000	90	355667	NR	NR	
11 Benzidine_T	184	6.330	6.330	0.000	100	1929415	NR	NR	
172 DFTPP									
173 4,4'-DDD	235		6.521					ND	
174 4,4'-DDE	246	6.821	6.821	0.000	1	104		NR	a
175 4,4'-DDT	235	7.041	7.041	0.000	97	714854	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

a - User Assigned ID

Reagents:

MSS_RVDFTPP_00003

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D

Injection Date: 15-Apr-2020 15:22:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: em10340

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 1.0 ul

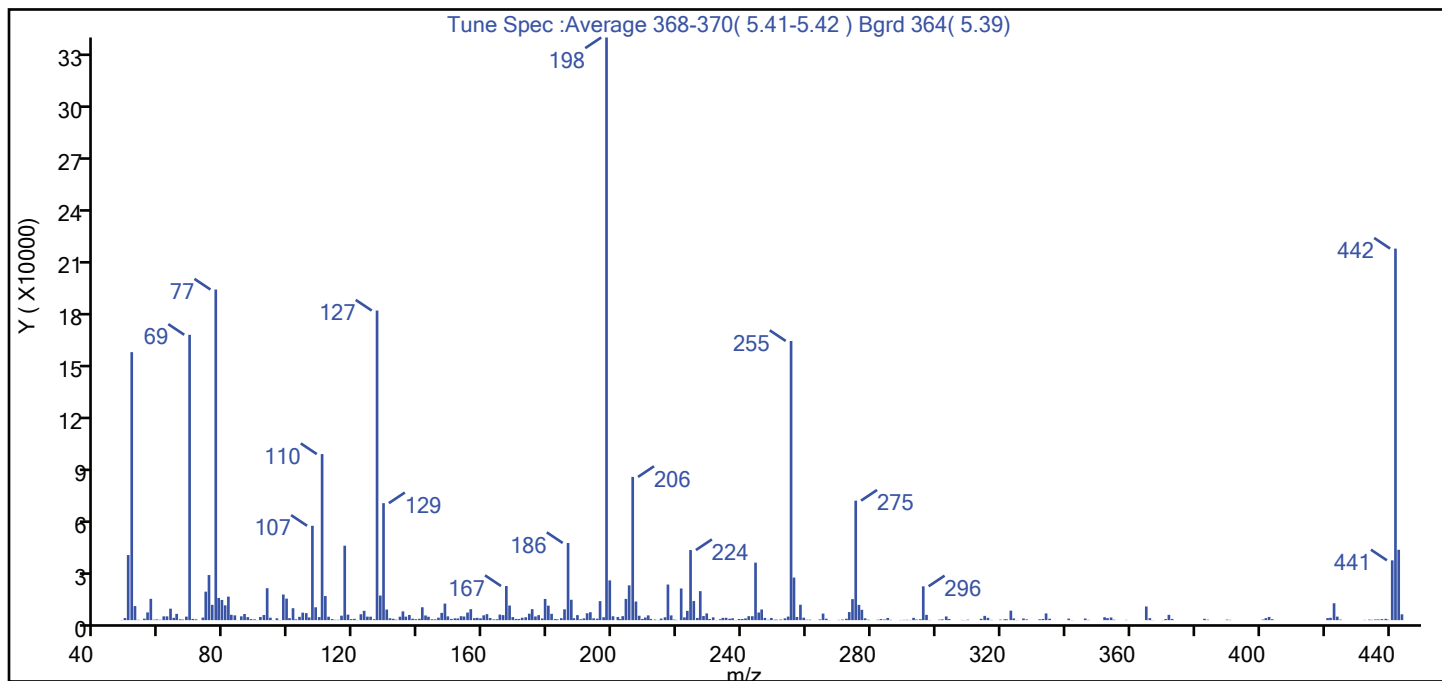
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (156.8)
51	10-80% of the base peak	46.0
68	<2% of mass 69	0.6 (1.2)
69	Present	49.0
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	53.1
197	<2% of mass 198	0.5
199	5-9% of mass 198	6.8
275	10-60% of the base peak	20.5
365	>1% of mass 198	2.3
441	present but <24% of mass 442	10.3 (16.1)
442	base peak, or >50% of 198	63.8
443	15-24% of mass 442	12.1 (18.9)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 15-Apr-2020 15:22:30
Spectrum: Tune Spec :Average 368-370(5.41-5.42) Bgrd 364(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
48.00	113	126.00	549	203.00	2302	286.00	188
49.00	1213	127.00	179072	204.00	12286	289.00	113
50.00	37664	128.00	14232	205.00	20128	290.00	168
51.00	155008	129.00	67656	206.00	82848	291.00	227
52.00	8136	130.00	6140	207.00	10773	292.00	103
53.00	194	131.00	1097	208.00	2539	293.00	1334
54.00	20	132.00	779	209.00	702	294.00	338
55.00	864	133.00	270	210.00	1538	295.00	520
56.00	4486	134.00	1982	211.00	2759	296.00	19560
57.00	12331	135.00	5070	212.00	728	297.00	3067
58.00	282	136.00	2033	213.00	342	298.00	108
59.00	428	137.00	3001	214.00	102	301.00	281
60.00	224	138.00	834	215.00	929	302.00	453
61.00	2192	139.00	560	216.00	1650	303.00	2141
62.00	2188	140.00	796	217.00	20592	304.00	670
63.00	6637	141.00	7448	218.00	2747	308.00	133
64.00	1334	142.00	2707	219.00	323	309.00	86
65.00	3629	143.00	1965	220.00	138	310.00	269
66.00	500	144.00	514	221.00	18320	314.00	763
67.00	345	145.00	469	222.00	1602	315.00	2474
68.00	2044	146.00	1429	223.00	5369	316.00	1360
69.00	165056	147.00	4218	224.00	40544	317.00	154
70.00	723	148.00	9587	225.00	11040	320.00	303
71.00	486	149.00	2191	226.00	1279	321.00	507
73.00	1472	150.00	725	227.00	16776	322.00	457
74.00	16472	151.00	1058	228.00	2375	323.00	5492
75.00	26096	152.00	987	229.00	3903	324.00	991
76.00	8861	153.00	2269	230.00	680	325.00	87
77.00	191232	154.00	2113	231.00	1638	327.00	966
78.00	12819	155.00	4382	232.00	106	328.00	430
79.00	11685	156.00	6363	233.00	521	332.00	479
80.00	8571	157.00	1146	234.00	1320	333.00	676
81.00	13618	158.00	1336	235.00	1357	334.00	3879

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D\MSSemi_HP19760.rsl\spectra.d

Injection Date: 15-Apr-2020 15:22:30

Spectrum: Tune Spec :Average 368-370(5.41-5.42) Bgrd 364(5.39)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	3099	159.00	1054	236.00	808	335.00	814
83.00	2765	160.00	2798	237.00	1075	341.00	883
84.00	57	161.00	3455	238.00	90	342.00	86
85.00	2194	162.00	1234	239.00	667	346.00	946
86.00	3546	163.00	430	240.00	650	347.00	170
87.00	1759	164.00	522	241.00	999	352.00	1683
88.00	634	165.00	3219	242.00	2301	353.00	1168
89.00	466	166.00	2919	243.00	2275	354.00	1536
90.00	110	167.00	19752	244.00	33272	355.00	259
91.00	1841	168.00	8443	245.00	4417	359.00	139
92.00	2983	169.00	1754	246.00	6170	365.00	7901
93.00	18480	170.00	716	247.00	1305	366.00	1154
94.00	1415	171.00	669	248.00	220	367.00	85
95.00	86	172.00	1400	249.00	1280	370.00	98
96.00	1078	173.00	1668	250.00	264	371.00	626
97.00	102	174.00	3731	251.00	264	372.00	3065
98.00	14821	175.00	6363	252.00	382	373.00	691
99.00	12444	176.00	2140	253.00	1032	383.00	782
100.00	1171	177.00	2897	254.00	2059	384.00	281
101.00	6914	178.00	976	255.00	161472	390.00	307
102.00	484	179.00	12246	256.00	24624	391.00	175
103.00	1919	180.00	8385	257.00	1828	401.00	325
104.00	4334	181.00	3661	258.00	8921	402.00	1158
105.00	4068	182.00	624	259.00	1452	403.00	1853
106.00	1571	183.00	442	260.00	241	404.00	541
107.00	54584	184.00	1148	261.00	283	421.00	1199
108.00	7444	185.00	6273	264.00	437	422.00	1361
109.00	1776	186.00	44624	265.00	3815	423.00	9786
110.00	96064	187.00	11798	266.00	818	424.00	2034
111.00	13934	188.00	1110	267.00	87	425.00	312
112.00	1987	189.00	2913	270.00	162	433.00	128
113.00	625	190.00	533	271.00	358	434.00	293
114.00	211	191.00	1048	272.00	808	435.00	197
115.00	216	192.00	3964	273.00	4679	436.00	393

Report Date: 04-Jun-2020 17:12:13

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D\MSSemi_HP19760.rslt\spectra.d

Injection Date: 15-Apr-2020 15:22:30

Spectrum: Tune Spec :Average 368-370(5.41-5.42) Bgrd 364(5.39)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	2584	193.00	4591	274.00	12166	437.00	405
117.00	43056	194.00	1067	275.00	69120	438.00	614
118.00	3194	195.00	858	276.00	8823	439.00	764
119.00	579	196.00	10980	277.00	5976	440.00	252
120.00	756	197.00	1687	278.00	1068	441.00	34600
121.00	108	198.00	337024	279.00	250	442.00	214912
122.00	3434	199.00	22976	282.00	205	443.00	40688
123.00	5390	200.00	2244	283.00	623	444.00	3366
124.00	2046	202.00	1841	284.00	377		
125.00	1993	202.00	609	285.00	1266		

Report Date: 04-Jun-2020 17:12:13

Chrom Revision: 2.3 03-Jun-2020 23:27:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D

Injection Date: 15-Apr-2020 15:22:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

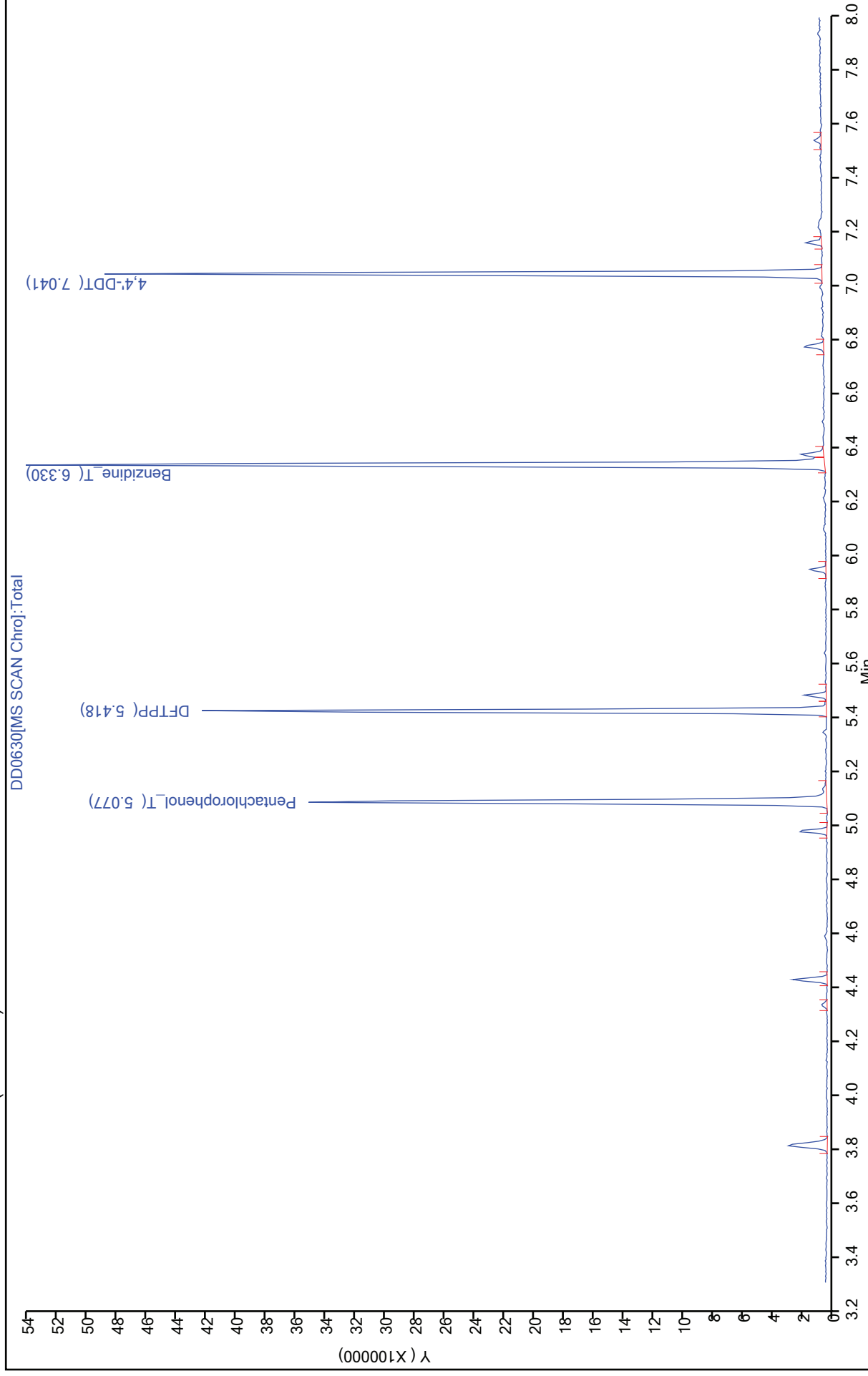
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D
Injection Date: 15-Apr-2020 15:22:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

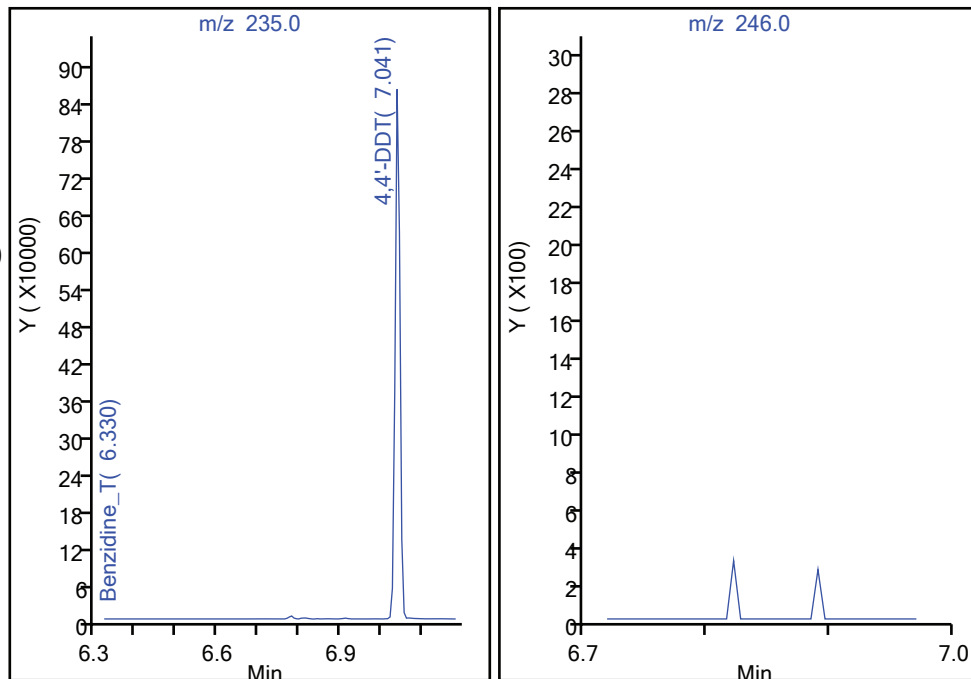
175 4,4'-DDT, Area = 714854

173 4,4'-DDD, Area = 0

174 4,4'-DDE, Area = 104

%Breakdown: 0.01%, <= 20.00%

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D

Injection Date: 15-Apr-2020 15:22:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: em10340

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =

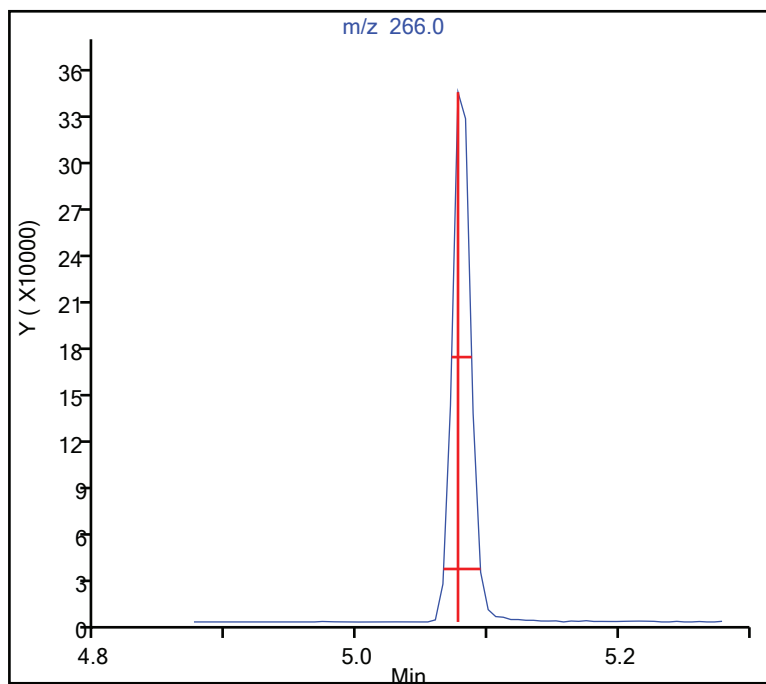
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)

Front Width = 0.011 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0630.D

Injection Date: 15-Apr-2020 15:22:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: em10340

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

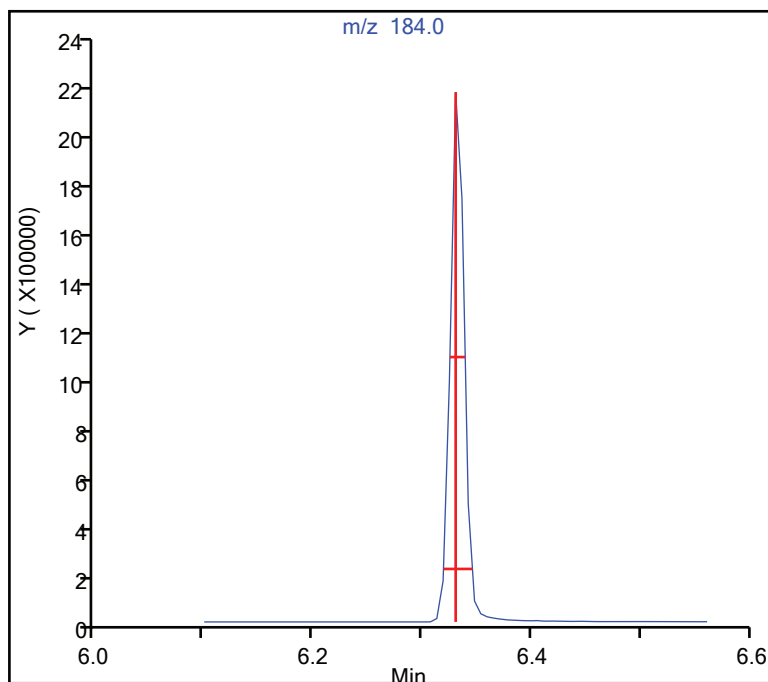
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)

Front Width = 0.011 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Jun-2020 11:53:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP12.5;rvDFTPP0430;1;3;DFTPP;
 Misc. Info.: ;ALL.SUB;
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 11-Jun-2020 13:33:28 Calib Date: 15-Apr-2020 22:07:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200604-2763.b\DD0638.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1037

First Level Reviewer: monbornee

Date: 11-Jun-2020 12:18:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	4.638	4.638	0.000	84	277378	NR	NR	
11 Benzdine_T	184	5.909	5.909	0.000	99	1792321	NR	NR	
172 DFTPP									
174 4,4'-DDE	246	6.071	6.071	0.000	79	3501		NR	
173 4,4'-DDD	235	6.365	6.365	0.000	92	8253		NR	
175 4,4'-DDT	235	6.631	6.631	0.000	95	762151	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSS_RVDFTPP_00003

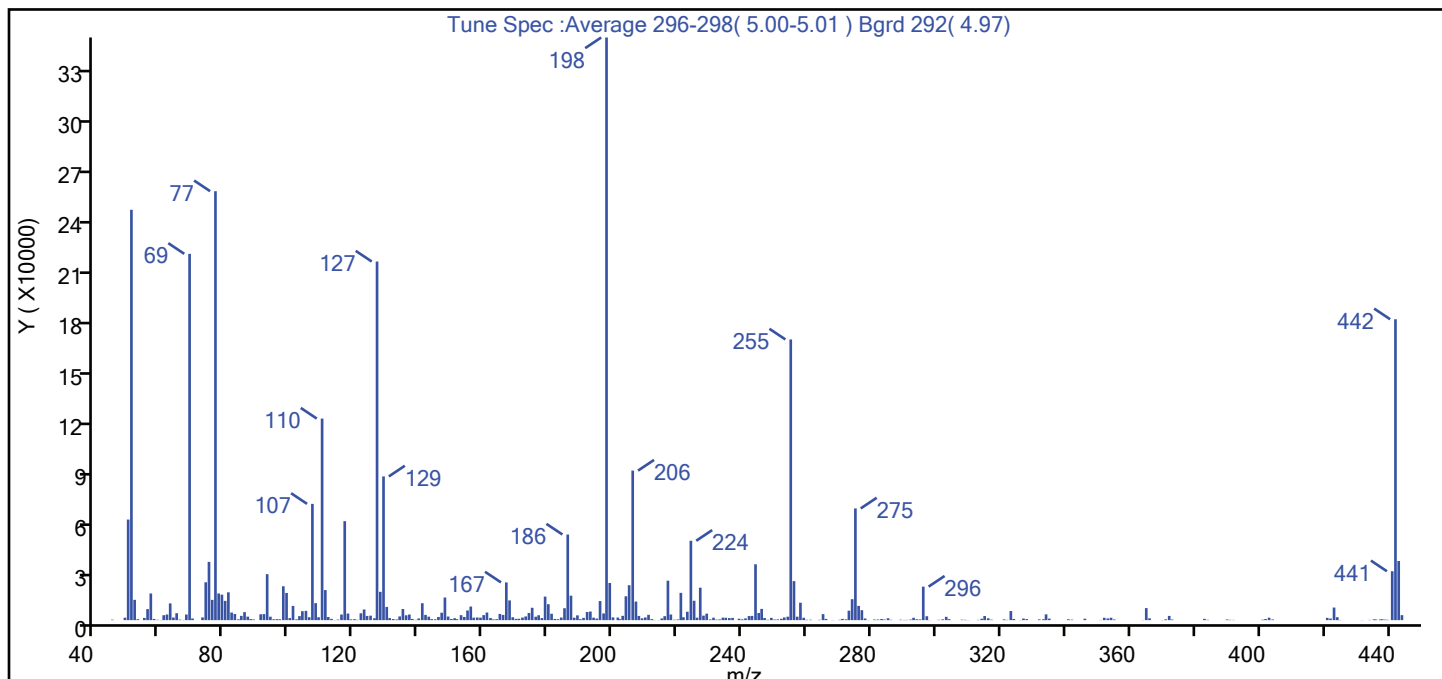
Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D
Injection Date: 11-Jun-2020 11:53:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (193.6)
51	10-80% of the base peak	70.4
68	<2% of mass 69	1.0 (1.5)
69	Present	62.9
70	<2% of mass 69	0.3 (0.5)
127	10-80% of the base peak	61.5
197	<2% of mass 198	1.1
199	5-9% of mass 198	6.4
275	10-60% of the base peak	19.2
365	>1% of mass 198	2.1
441	present but <24% of mass 442	8.4 (16.3)
442	base peak, or >50% of 198	51.6
443	15-24% of mass 442	10.2 (19.7)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D\MSSemi_HP19760.rsl\spectra.d
Injection Date: 11-Jun-2020 11:53:30
Spectrum: Tune Spec :Average 296-298(5.00-5.01) Bgrd 292(4.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	288	128.00	16952	204.00	14283	286.00	218
49.00	1465	129.00	86048	205.00	20920	289.00	259
50.00	60216	130.00	7923	206.00	89536	290.00	125
51.00	245696	131.00	1232	207.00	11128	291.00	167
52.00	12165	132.00	662	208.00	2507	292.00	332
53.00	574	133.00	405	209.00	1090	293.00	1412
55.00	1327	134.00	2235	210.00	1621	294.00	526
56.00	6611	135.00	6666	211.00	3182	295.00	431
57.00	15978	136.00	2900	212.00	626	296.00	20064
58.00	735	137.00	3353	213.00	119	297.00	2344
59.00	217	138.00	729	214.00	85	298.00	85
60.00	105	139.00	189	215.00	1027	301.00	207
61.00	2963	140.00	1018	216.00	2374	302.00	477
62.00	3380	141.00	10137	217.00	23624	303.00	1989
63.00	10031	142.00	3123	218.00	3373	304.00	599
64.00	1562	143.00	2066	219.00	283	308.00	277
65.00	4151	144.00	631	220.00	427	309.00	202
66.00	325	145.00	490	221.00	16331	310.00	88
67.00	129	146.00	1908	222.00	1737	313.00	175
68.00	3389	147.00	4456	223.00	5033	314.00	830
69.00	219328	148.00	13544	224.00	47536	315.00	2457
70.00	996	149.00	2159	225.00	11606	316.00	1135
73.00	1631	150.00	680	226.00	1480	317.00	294
74.00	22680	151.00	1176	227.00	19432	321.00	459
75.00	34888	152.00	584	228.00	2698	322.00	168
76.00	12146	153.00	2987	229.00	3890	323.00	5441
77.00	256832	154.00	1919	230.00	444	324.00	713
78.00	15970	155.00	5788	231.00	1461	326.00	99
79.00	15262	156.00	8132	232.00	305	327.00	966
80.00	11532	157.00	1480	233.00	427	328.00	619
81.00	16656	158.00	1590	234.00	1488	332.00	471
82.00	4553	159.00	1486	235.00	1433	333.00	540
83.00	3698	160.00	2998	236.00	1241	334.00	3466

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D\MSSemi_HP19760.rsltspectra.d

Injection Date: 11-Jun-2020 11:53:30

Spectrum: Tune Spec :Average 296-298(5.00-5.01) Bgrd 292(4.97)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	491	161.00	4562	237.00	1353	335.00	906
85.00	2554	162.00	1301	239.00	851	341.00	533
86.00	4815	163.00	435	240.00	463	342.00	283
87.00	2105	164.00	555	241.00	1058	346.00	862
88.00	616	165.00	3726	242.00	2431	351.00	120
89.00	390	166.00	3118	243.00	2538	352.00	1426
91.00	3522	167.00	22592	244.00	33456	353.00	1020
92.00	3630	168.00	11826	245.00	4293	354.00	1435
93.00	27536	169.00	1739	246.00	6730	355.00	392
94.00	2064	170.00	773	247.00	1288	364.00	95
95.00	510	171.00	843	248.00	254	365.00	7213
96.00	606	172.00	1561	249.00	1356	366.00	1093
97.00	529	173.00	2230	250.00	379	370.00	89
98.00	20288	174.00	4280	251.00	454	371.00	501
99.00	16280	175.00	7412	252.00	819	372.00	2533
100.00	1236	176.00	2066	253.00	1621	373.00	383
101.00	8520	177.00	2938	254.00	2073	383.00	780
102.00	465	178.00	1244	255.00	168064	384.00	217
103.00	2407	179.00	14104	256.00	23360	390.00	407
104.00	5369	180.00	9554	257.00	2066	391.00	196
105.00	5550	181.00	3828	258.00	10417	392.00	140
106.00	1744	182.00	706	259.00	1423	401.00	263
107.00	69616	183.00	546	260.00	244	402.00	674
108.00	10190	184.00	1557	261.00	266	403.00	1467
109.00	1737	185.00	7130	264.00	220	404.00	403
110.00	120680	186.00	51272	265.00	3602	421.00	1367
111.00	18016	187.00	14652	266.00	739	422.00	948
112.00	1875	188.00	1467	268.00	93	423.00	7549
113.00	761	189.00	2874	270.00	201	424.00	1759
114.00	90	190.00	571	271.00	747	425.00	108
115.00	332	191.00	1369	272.00	475	432.00	86
116.00	3372	192.00	4889	273.00	5662	434.00	149
117.00	59264	193.00	5155	274.00	12552	436.00	478
118.00	3937	194.00	1483	275.00	66888	436.00	356

Report Date: 11-Jun-2020 13:33:28

Chrom Revision: 2.3 10-Jun-2020 22:46:48

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D\MSSemi_HP19760.rslt\spectra.d

Injection Date: 11-Jun-2020 11:53:30

Spectrum: Tune Spec :Average 296-298(5.00-5.01) Bgrd 292(4.97)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	476	195.00	959	276.00	8525	437.00	420
120.00	602	196.00	11427	277.00	5963	438.00	511
121.00	199	197.00	4001	278.00	1003	439.00	320
122.00	4107	198.00	348864	279.00	95	440.00	203
123.00	6396	199.00	22248	281.00	370	441.00	29280
124.00	2508	200.00	1655	282.00	385	442.00	180160
125.00	2684	202.00	1556	283.00	702	443.00	35416
126.00	1152	202.00	567	284.00	329	444.00	2998
127.00	214720	203.00	2580	285.00	1128		

Report Date: 11-Jun-2020 13:33:28

Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D

Injection Date: 11-Jun-2020 11:53:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

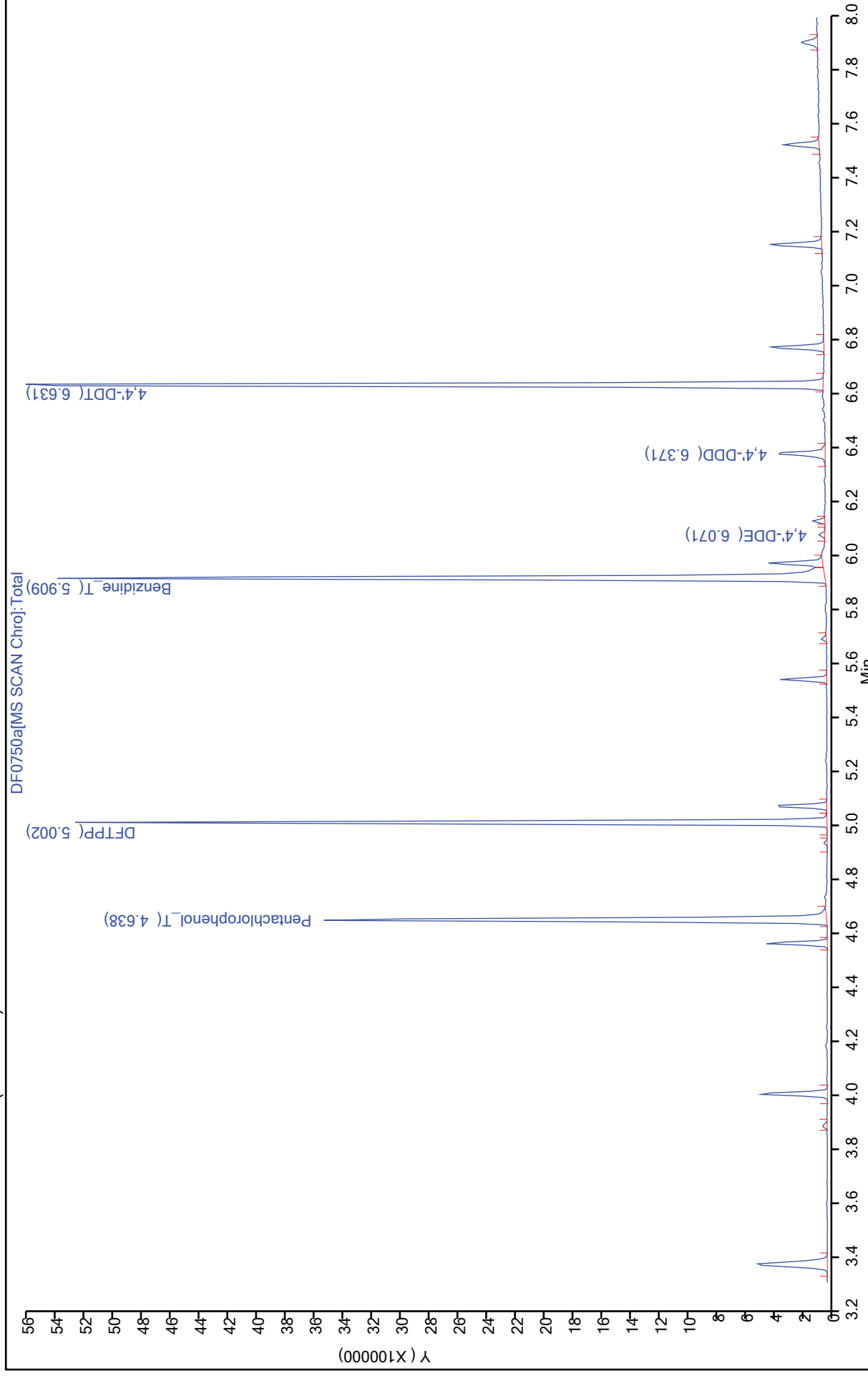
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D
Injection Date: 11-Jun-2020 11:53:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

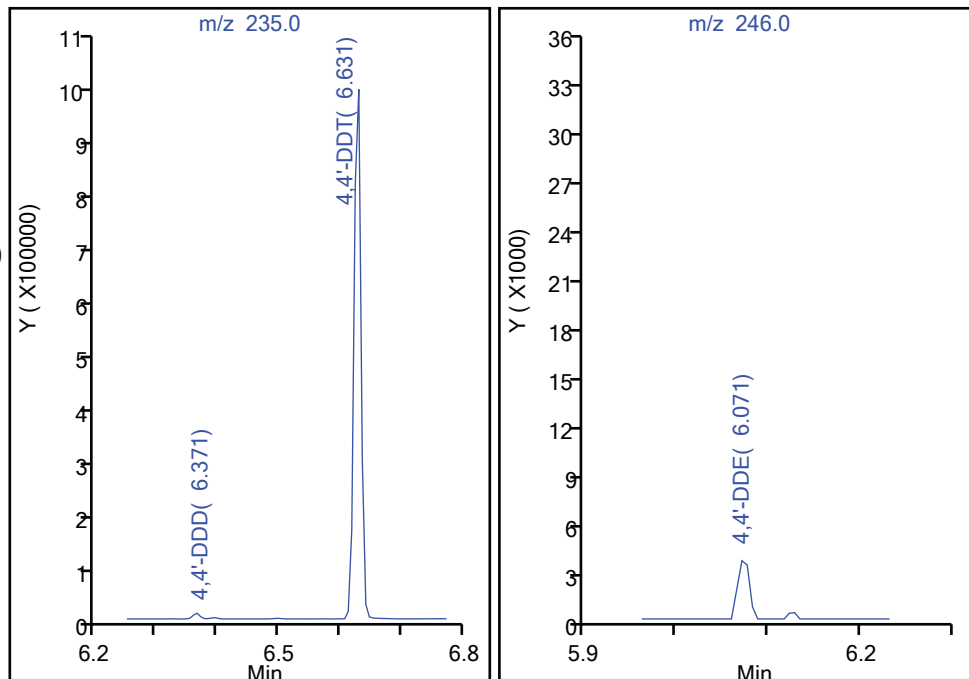
175 4,4'-DDT, Area = 762151

173 4,4'-DDD, Area = 8253

174 4,4'-DDE, Area = 3501

%Breakdown: 1.52%, <= 20.00%

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D
Injection Date: 11-Jun-2020 11:53:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340
Injection Vol: 1.0 ul
Method: MSSemi_HP19760

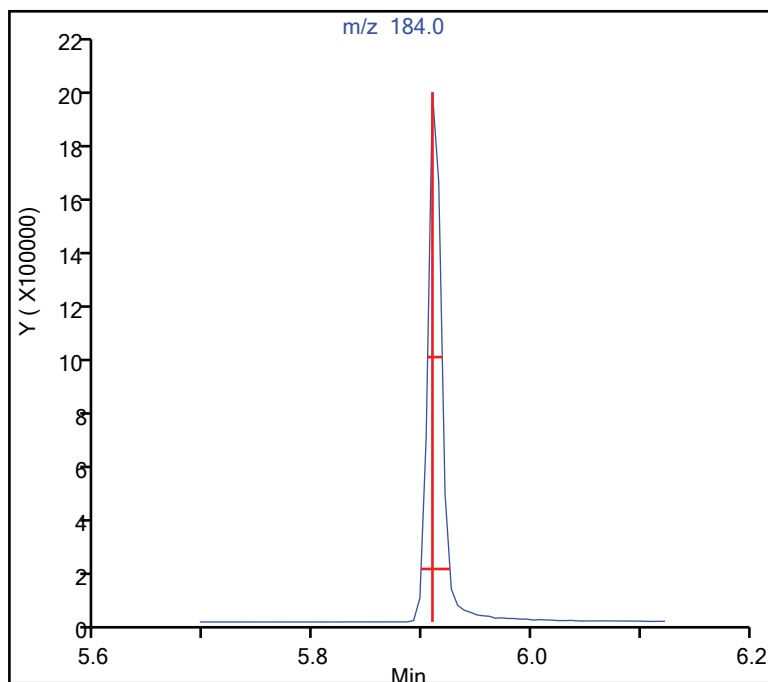
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC

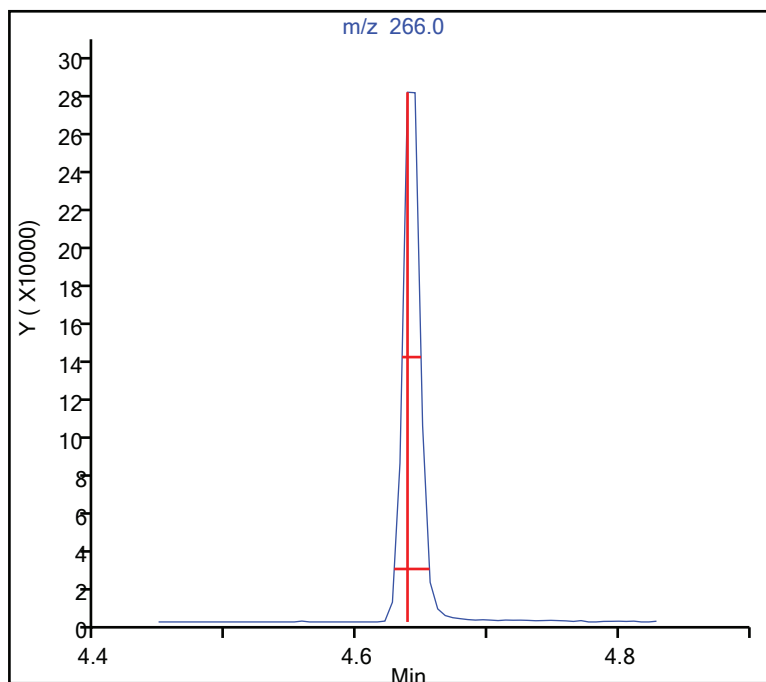
Data File: \\chromfs\Lancaster\ChromData\HP19760\20200611-3159.b\DF0750a.D
Injection Date: 11-Jun-2020 11:53:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.7, Max. Tailing < 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 06-Jul-2020 08:42:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Misc. Info.: 410
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 20:54:36 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	4.130	4.130	0.000	90	282276	NR	NR	
11 Benzidine_T	184	5.395	5.395	0.000	100	1570149	NR	NR	
172 DFTPP									
174 4,4'-DDE	246	5.557	5.557	0.000	87	2001		NR	
173 4,4'-DDD	235	5.840	5.840	0.000	94	6786		NR	
175 4,4'-DDT	235	6.094	6.094	0.000	97	774513	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSS_RVDFTPP_00003

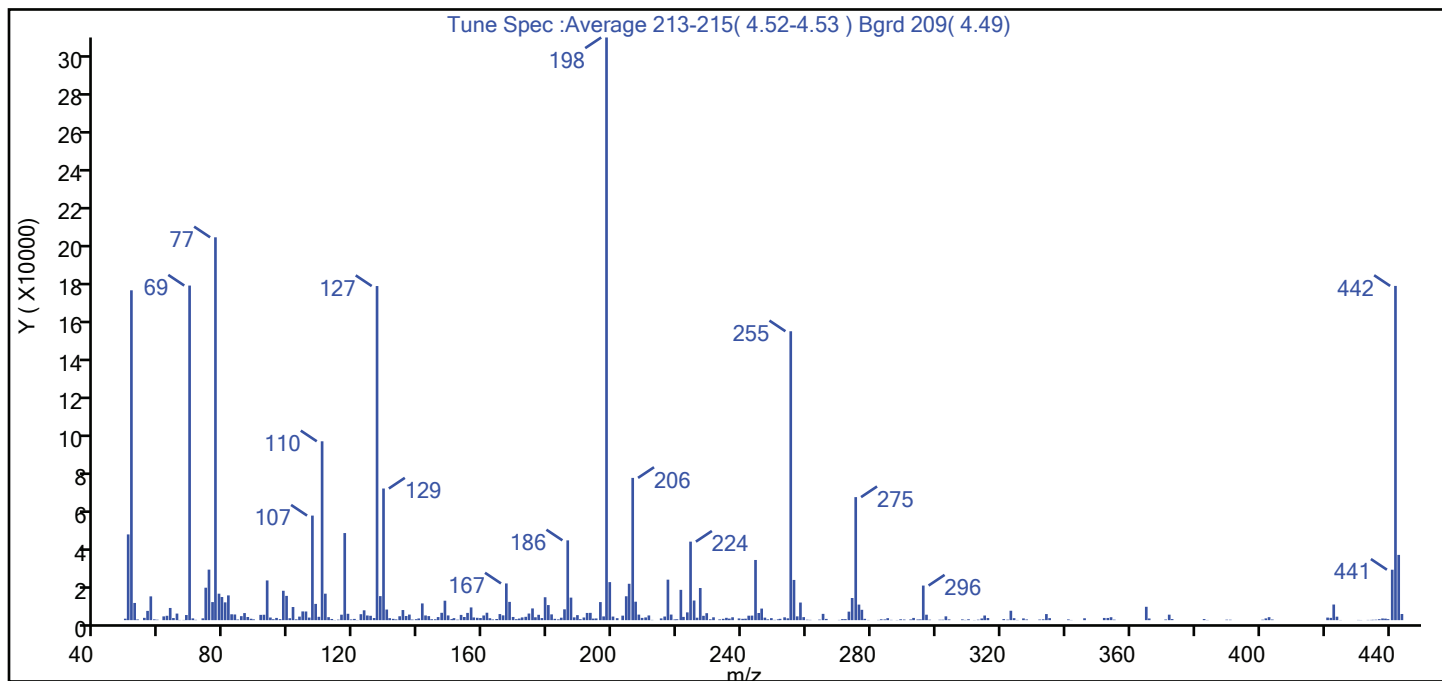
Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D
 Injection Date: 06-Jul-2020 08:42:30 Instrument ID: HP19760
 Lims ID: DFTPP
 Client ID:
 Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
 Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (174.3)
51	10-80% of the base peak	56.6
68	<2% of mass 69	0.9 (1.5)
69	Present	57.4
70	<2% of mass 69	0.3 (0.5)
127	10-80% of the base peak	57.3
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.5
275	10-60% of the base peak	21.1
365	>1% of mass 198	2.3
441	present but <24% of mass 442	8.7 (15.1)
442	base peak, or >50% of 198	57.4
443	15-24% of mass 442	11.2 (19.5)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D\MSSemi_HP19760.rsltspectra.c
Injection Date: 06-Jul-2020 08:42:30
Spectrum: Tune Spec :Average 213-215(4.52-4.53) Bgrd 209(4.49)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
49.00	759	127.00	175488	201.00	1038	288.00	84
50.00	45032	128.00	12620	203.00	2364	289.00	458
51.00	173248	129.00	69144	204.00	12541	290.00	315
52.00	9035	130.00	5570	205.00	19104	292.00	369
53.00	374	131.00	1041	206.00	74720	293.00	1170
55.00	1208	132.00	687	207.00	9684	294.00	340
56.00	4860	133.00	388	208.00	2904	295.00	379
57.00	12490	134.00	2048	209.00	1187	296.00	18168
58.00	418	135.00	5306	210.00	1440	297.00	2857
59.00	235	136.00	2182	211.00	2471	298.00	239
61.00	1977	137.00	2924	212.00	135	301.00	213
62.00	2297	138.00	315	215.00	925	302.00	235
63.00	6400	139.00	492	216.00	1904	303.00	1996
64.00	1107	140.00	890	217.00	21264	304.00	384
65.00	3454	141.00	8781	218.00	2932	308.00	390
66.00	106	142.00	2470	219.00	381	309.00	122
67.00	121	143.00	2123	220.00	470	310.00	459
68.00	2687	144.00	490	221.00	15909	312.00	85
69.00	175744	145.00	451	222.00	1710	313.00	253
70.00	928	146.00	1615	223.00	4084	314.00	873
71.00	165	147.00	3855	224.00	41240	315.00	2436
73.00	952	148.00	10211	225.00	10312	316.00	1104
74.00	17040	149.00	2480	226.00	1285	321.00	554
75.00	26536	150.00	559	227.00	16880	322.00	270
76.00	9489	151.00	1064	228.00	2269	323.00	4937
77.00	201088	152.00	255	229.00	3663	324.00	1030
78.00	13896	153.00	2754	230.00	461	325.00	101
79.00	12143	154.00	1652	231.00	1497	327.00	917
80.00	9346	155.00	3800	233.00	395	328.00	367
81.00	13002	156.00	6683	234.00	688	332.00	316
82.00	3084	157.00	1419	235.00	1220	333.00	434
83.00	2980	158.00	1230	236.00	817	334.00	3194
84.00	337	159.00	1103	237.00	1506	335.00	1055

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D\MSSemi_HP19760.rsl\spectra.c

Injection Date: 06-Jul-2020 08:42:30

Spectrum: Tune Spec :Average 213-215(4.52-4.53) Bgrd 209(4.49)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	2094	160.00	2454	239.00	904	341.00	392
86.00	3720	161.00	3894	240.00	700	342.00	88
87.00	1648	162.00	1010	241.00	772	346.00	988
88.00	735	163.00	356	242.00	2334	352.00	1155
89.00	411	164.00	604	243.00	2386	353.00	1146
91.00	2776	165.00	3187	244.00	31608	354.00	1539
92.00	2837	166.00	2519	245.00	3756	355.00	267
93.00	20856	167.00	19280	246.00	6081	365.00	7018
94.00	1378	168.00	9596	247.00	1318	366.00	879
95.00	483	169.00	1671	248.00	429	371.00	344
96.00	1172	170.00	506	249.00	1048	372.00	2878
97.00	512	171.00	839	250.00	149	373.00	573
98.00	15438	172.00	1445	251.00	417	383.00	571
99.00	12746	173.00	1750	252.00	698	384.00	96
100.00	1009	174.00	3470	253.00	1471	390.00	255
101.00	6892	175.00	6156	254.00	959	391.00	221
102.00	412	176.00	1507	255.00	151744	401.00	235
103.00	1860	177.00	2813	256.00	21120	402.00	913
104.00	4585	178.00	1096	257.00	1987	403.00	1560
105.00	4548	179.00	12026	258.00	9255	404.00	336
106.00	1356	180.00	7920	259.00	1582	421.00	1345
107.00	54920	181.00	3039	260.00	233	422.00	1204
108.00	8536	182.00	698	261.00	144	423.00	8205
109.00	1747	183.00	406	264.00	290	424.00	1823
110.00	93944	184.00	1283	265.00	3299	425.00	84
111.00	13903	185.00	5685	266.00	644	431.00	115
112.00	1564	186.00	41912	270.00	122	431.00	84
113.00	615	187.00	11834	271.00	548	434.00	119
114.00	89	188.00	1462	272.00	526	435.00	126
115.00	274	189.00	2632	273.00	4468	435.00	184
116.00	2867	190.00	514	274.00	11627	436.00	243
117.00	45744	191.00	1395	275.00	64624	437.00	493
118.00	3339	192.00	3785	276.00	8169	438.00	885
119.00	366	193.00	3827	277.00	5435	439.00	796

Report Date: 06-Jul-2020 20:54:36

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D\MSSemi_HP19760.rslt\spectra.c

Injection Date: 06-Jul-2020 08:42:30

Spectrum: Tune Spec :Average 213-215(4.52-4.53) Bgrd 209(4.49)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	653	194.00	819	278.00	697	440.00	522
121.00	92	195.00	896	279.00	109	441.00	26488
122.00	3131	196.00	9488	282.00	121	442.00	175552
123.00	5167	197.00	1965	283.00	441	443.00	34272
124.00	2454	198.00	306048	284.00	370	444.00	3232
125.00	2293	199.00	19976	285.00	1034		
126.00	1118	200.00	1885	286.00	145		

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D

Injection Date: 06-Jul-2020 08:42:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

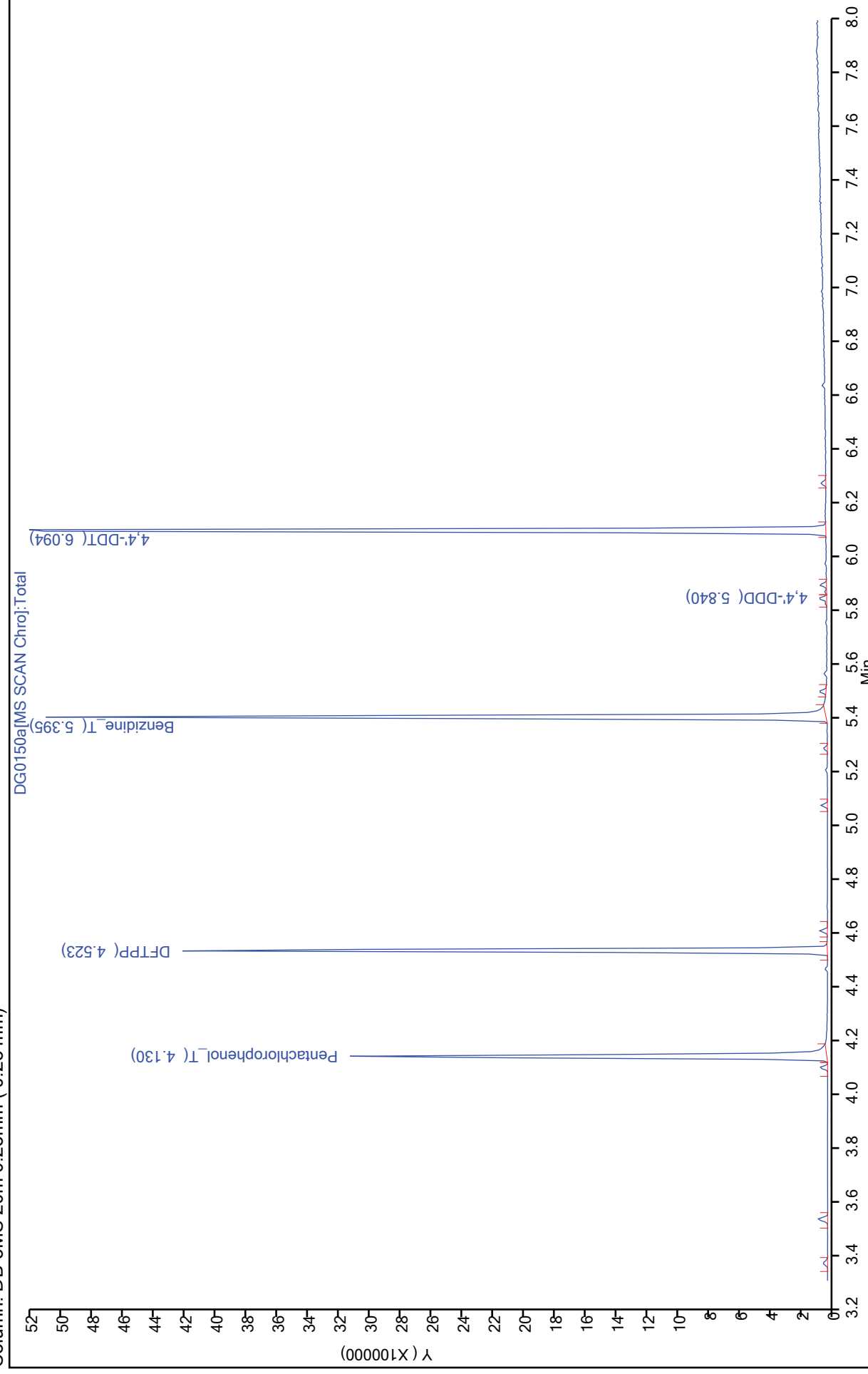
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D
Injection Date: 06-Jul-2020 08:42:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

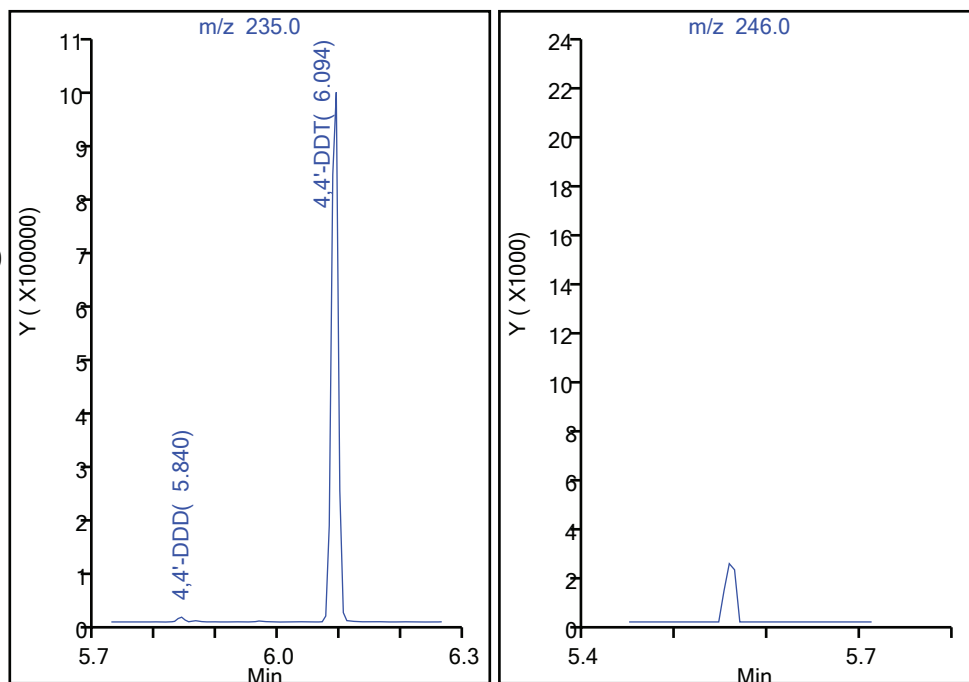
175 4,4'-DDT, Area = 774513

173 4,4'-DDD, Area = 6786

174 4,4'-DDE, Area = 2001

%Breakdown: 1.12%, <= 20.00%

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D
Injection Date: 06-Jul-2020 08:42:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340
Injection Vol: 1.0 ul
Method: MSSemi_HP19760

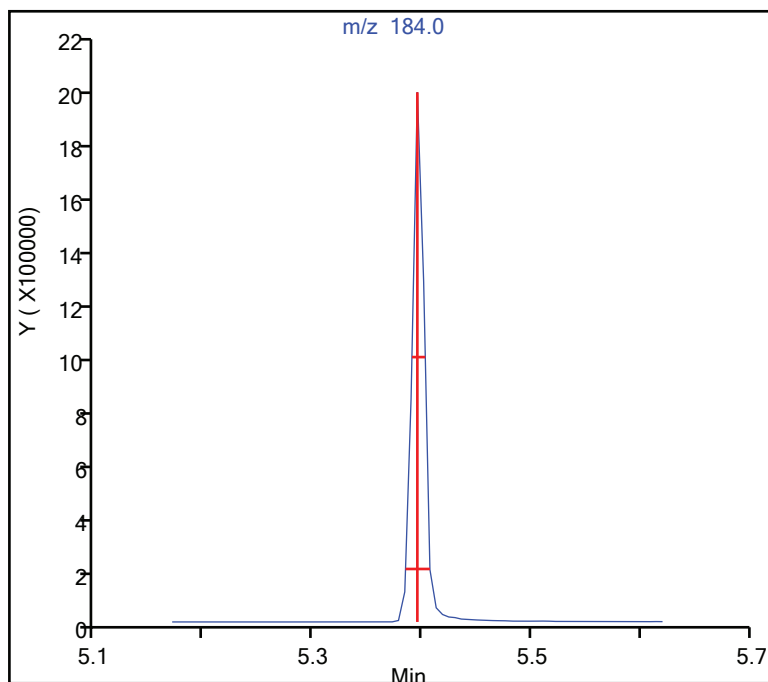
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC

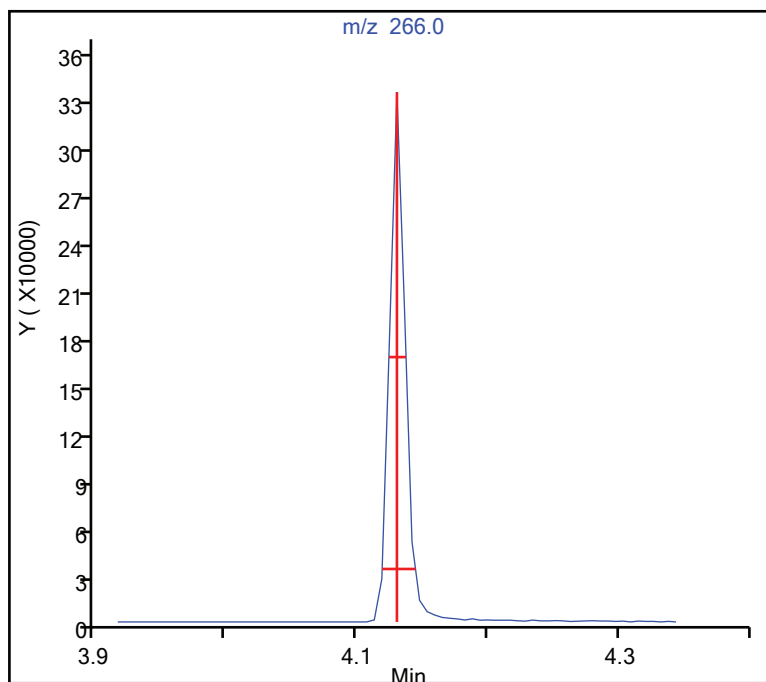
Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0150a.D
Injection Date: 06-Jul-2020 08:42:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 06-Jul-2020 21:22:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Misc. Info.: 410-0004927-001
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 07-Jul-2020 08:32:28 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1052

First Level Reviewer: williamss

Date: 06-Jul-2020 21:35:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	4.130	4.130	0.000	86	283610	NR	NR	
11 Benzidine_T	184	5.401	5.401	0.000	99	1839469	NR	NR	
172 DFTPP									
174 4,4'-DDE	246	5.562	5.562	0.000	82	1253		NR	
173 4,4'-DDD	235	5.845	5.845	0.000	93	12347		NR	
175 4,4'-DDT	235	6.099	6.099	0.000	96	772148	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSS_RVDFTPP_00003

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D

Injection Date: 06-Jul-2020 21:22:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: sw30417

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 1.0 ul

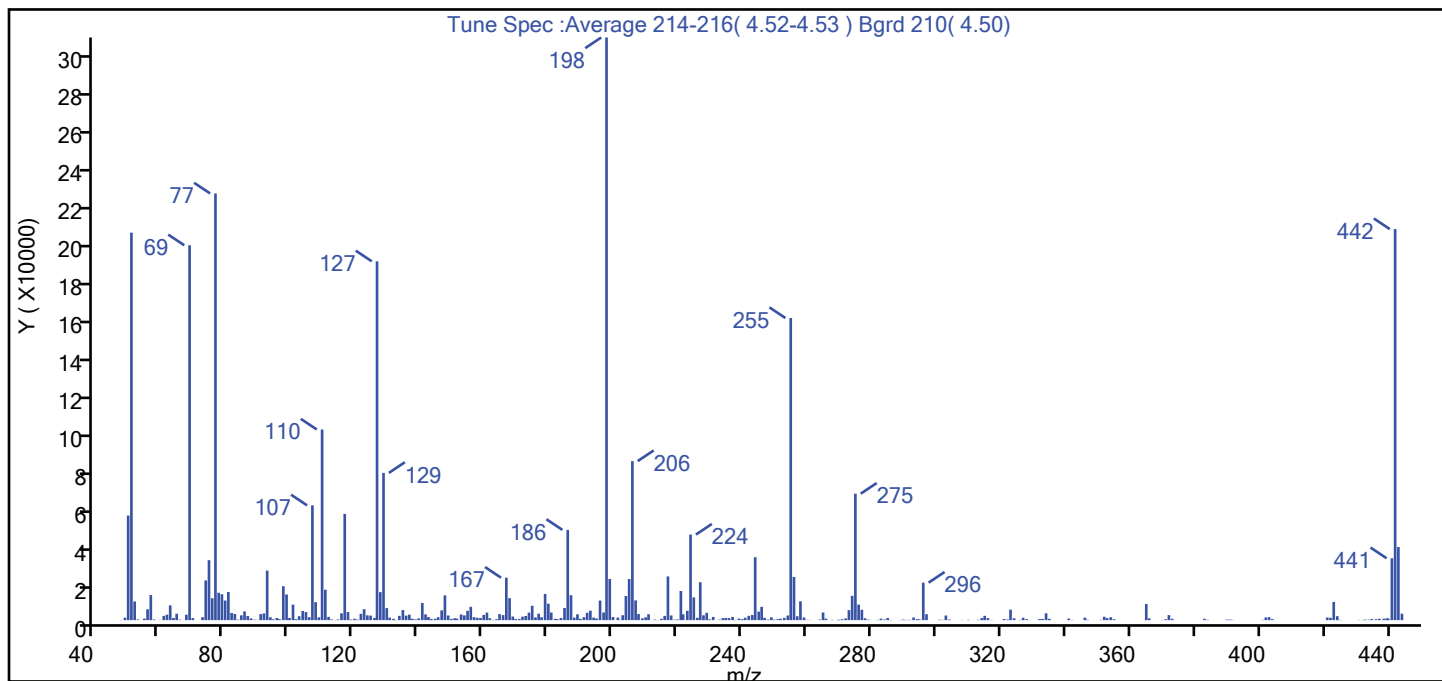
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (149.0)
51	10-80% of the base peak	66.5
68	<2% of mass 69	0.9 (1.5)
69	Present	64.3
70	<2% of mass 69	0.4 (0.5)
127	10-80% of the base peak	61.6
197	<2% of mass 198	1.3
199	5-9% of mass 198	7.1
275	10-60% of the base peak	21.7
365	>1% of mass 198	2.8
441	present but <24% of mass 442	10.6 (15.8)
442	base peak, or >50% of 198	67.1
443	15-24% of mass 442	12.5 (18.7)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 06-Jul-2020 21:22:30
Spectrum: Tune Spec :Average 214-216(4.52-4.53) Bgrd 210(4.50)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
48.00	89	129.00	76408	205.00	21312	290.00	295
49.00	1253	130.00	6249	206.00	82552	291.00	122
50.00	54288	131.00	1265	207.00	10252	292.00	155
51.00	201088	132.00	709	208.00	3168	293.00	1382
52.00	9697	133.00	102	209.00	947	294.00	508
53.00	354	134.00	2218	210.00	1469	295.00	411
55.00	826	135.00	5254	211.00	3074	296.00	19464
56.00	5645	136.00	2348	213.00	267	297.00	3066
57.00	13025	137.00	2854	214.00	107	301.00	232
58.00	371	138.00	744	215.00	730	302.00	153
60.00	105	139.00	367	216.00	2208	303.00	2415
61.00	2216	140.00	920	217.00	22696	304.00	338
62.00	2834	141.00	8913	218.00	2435	308.00	98
63.00	7673	142.00	2993	219.00	239	310.00	199
64.00	1133	143.00	1622	220.00	350	313.00	201
65.00	3300	144.00	634	221.00	15124	314.00	1067
66.00	238	145.00	716	222.00	3044	315.00	2248
68.00	2827	146.00	1521	223.00	4855	316.00	1057
69.00	194560	147.00	5084	224.00	44400	317.00	103
70.00	1069	148.00	12849	225.00	11806	321.00	576
73.00	1530	149.00	2403	226.00	1218	322.00	345
74.00	20600	150.00	662	227.00	19688	323.00	5440
75.00	31128	151.00	992	228.00	2527	324.00	967
76.00	11365	152.00	786	229.00	3802	326.00	122
77.00	221440	153.00	2962	230.00	429	327.00	1254
78.00	14216	154.00	2475	231.00	1662	328.00	538
79.00	13432	155.00	4842	233.00	258	332.00	540
80.00	10182	156.00	6914	234.00	1075	333.00	629
81.00	14598	157.00	1564	235.00	1148	334.00	3549
82.00	3722	158.00	1239	236.00	1056	335.00	690
83.00	3199	159.00	1095	237.00	1695	341.00	797
84.00	265	160.00	2698	238.00	142	342.00	148
85.00	2496	161.00	3927	239.00	810	346.00	1302

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D\MSSemi_HP19760.rs\tspectra.d

Injection Date: 06-Jul-2020 21:22:30

Spectrum: Tune Spec :Average 214-216(4.52-4.53) Bgrd 210(4.50)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	4549	162.00	998	240.00	499	347.00	232
87.00	2140	163.00	136	241.00	1258	351.00	184
88.00	890	164.00	495	242.00	2250	352.00	1753
89.00	225	165.00	3118	243.00	2662	353.00	1046
90.00	130	166.00	2604	244.00	32664	354.00	1508
91.00	3144	167.00	22032	245.00	4405	355.00	486
92.00	3489	168.00	11414	246.00	6893	365.00	8374
93.00	25720	169.00	1866	247.00	1204	366.00	951
94.00	1489	170.00	567	248.00	327	370.00	109
95.00	429	171.00	608	249.00	1473	371.00	447
96.00	1140	172.00	1793	250.00	301	372.00	2600
97.00	525	173.00	2155	251.00	489	373.00	727
98.00	17616	174.00	3908	252.00	768	383.00	705
99.00	13348	175.00	7454	253.00	1170	384.00	183
100.00	1119	176.00	1423	254.00	2400	390.00	308
101.00	8075	177.00	3346	255.00	156800	391.00	301
102.00	503	178.00	1506	256.00	22424	392.00	104
103.00	2048	179.00	13622	257.00	2016	401.00	131
104.00	4733	180.00	8531	258.00	9769	402.00	1416
105.00	4189	181.00	3959	259.00	1391	403.00	1549
106.00	1540	182.00	678	260.00	140	404.00	519
107.00	59576	183.00	509	261.00	106	421.00	1345
108.00	9335	184.00	1139	264.00	298	422.00	1198
109.00	1447	185.00	6281	265.00	3961	423.00	9444
110.00	98944	186.00	46840	266.00	798	424.00	2048
111.00	15788	187.00	12957	268.00	151	425.00	128
112.00	1704	188.00	1304	270.00	87	431.00	106
113.00	389	189.00	3037	270.00	253	432.00	129
114.00	102	190.00	685	271.00	490	433.00	263
115.00	338	191.00	1522	272.00	914	434.00	258
116.00	3553	192.00	3830	273.00	5201	435.00	555
117.00	55152	193.00	4935	274.00	12606	436.00	502
118.00	4204	194.00	1312	275.00	65624	437.00	722
119.00	310	195.00	891	276.00	8077	438.00	754

Report Date: 07-Jul-2020 08:32:29

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D\MSSemi_HP19760.rslt\spectra.d

Injection Date: 06-Jul-2020 21:22:30

Spectrum: Tune Spec :Average 214-216(4.52-4.53) Bgrd 210(4.50)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	702	196.00	10187	277.00	5368	439.00	954
121.00	301	197.00	3975	278.00	978	440.00	797
122.00	3286	198.00	302400	279.00	260	441.00	32128
123.00	5677	199.00	21360	282.00	140	442.00	202944
124.00	2492	200.00	1621	283.00	760	443.00	37928
125.00	2354	202.00	1332	284.00	355	444.00	3354
126.00	1161	202.00	152	285.00	1157		
127.00	186240	203.00	2566	286.00	121		
128.00	14539	204.00	12528	289.00	125		

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D

Injection Date: 06-Jul-2020 21:22:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

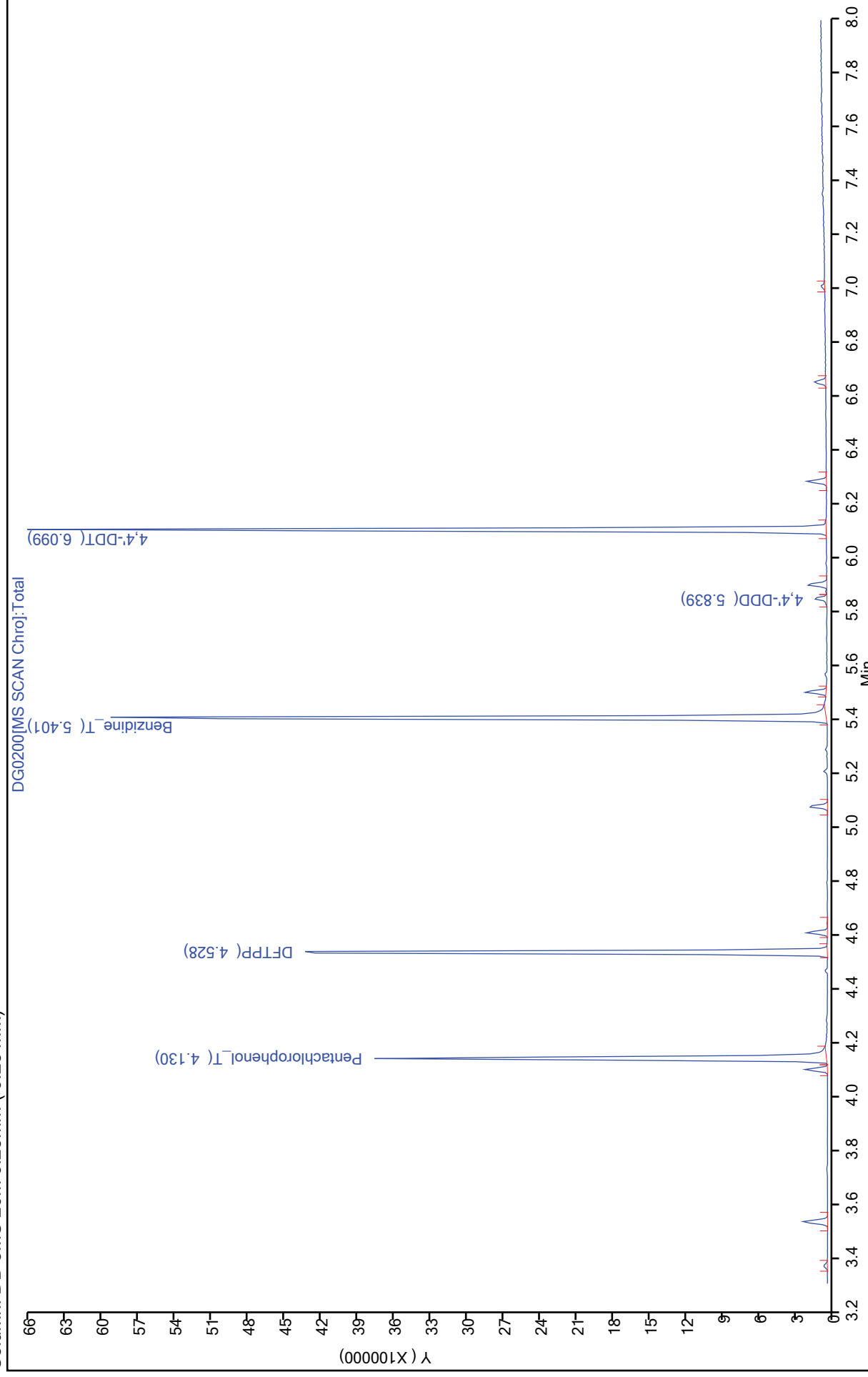
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D
Injection Date: 06-Jul-2020 21:22:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

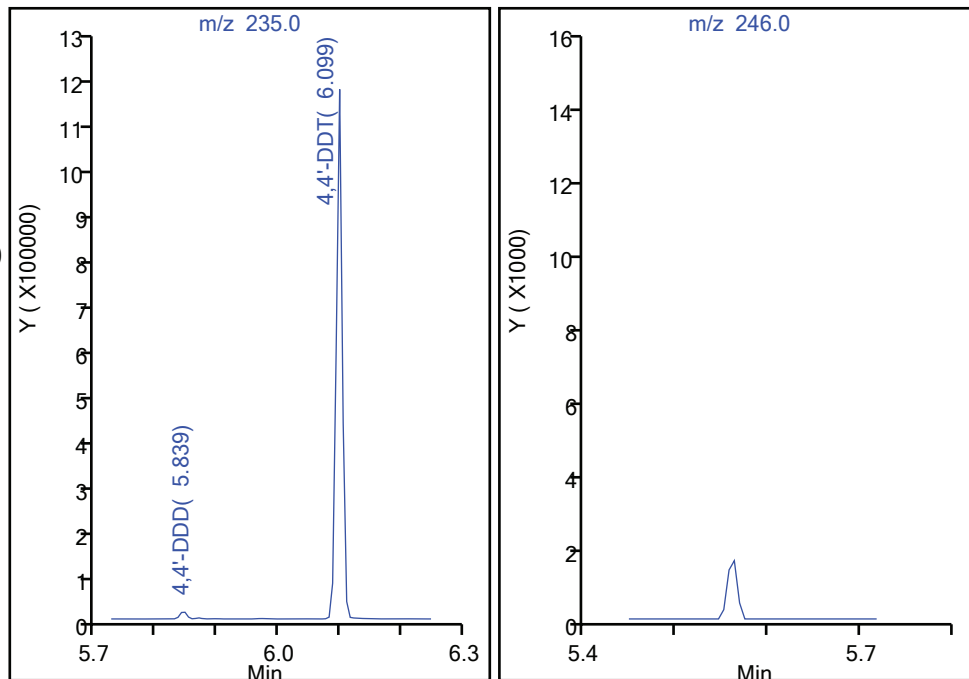
175 4,4'-DDT, Area = 772148

173 4,4'-DDD, Area = 12347

174 4,4'-DDE, Area = 1253

%Breakdown: 1.73%, <= 20.00%

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D

Injection Date: 06-Jul-2020 21:22:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: sw30417

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =

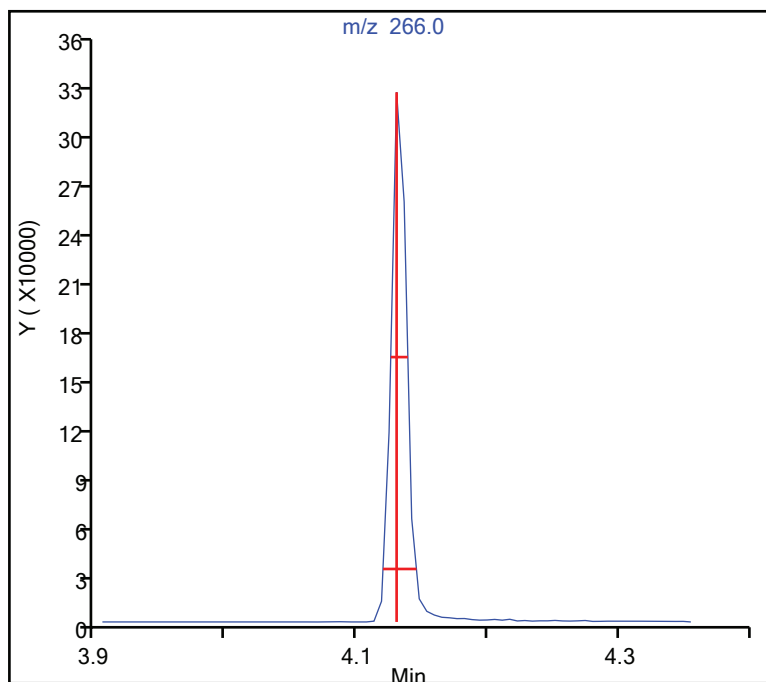
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)

Front Width = 0.010 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4927.b\DG0200.D

Injection Date: 06-Jul-2020 21:22:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: sw30417

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

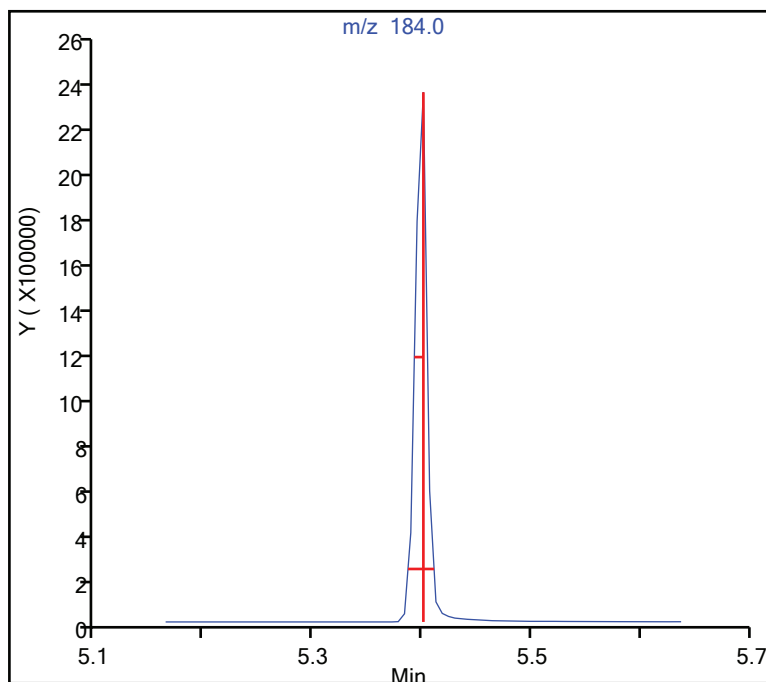
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)

Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 08-Jul-2020 07:51:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Misc. Info.: 410
 Operator ID: enm10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 08-Jul-2020 19:25:24 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1025

First Level Reviewer: monbornee

Date: 08-Jul-2020 08:16:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	4.910	4.910	0.000	89	519601	NR	NR	
11 Benzdine_T	184	6.175	6.175	0.000	99	2524919	NR	NR	
172 DFTPP									
174 4,4'-DDE	246	6.336	6.336	0.000	81	1576		NR	
173 4,4'-DDD	235	6.637	6.637	0.000	53	5194		NR	
175 4,4'-DDT	235	6.902	6.902	0.000	96	1073428	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSS_RVDFTPP_00003

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D

Injection Date: 08-Jul-2020 07:51:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: enm10340

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 1.0 ul

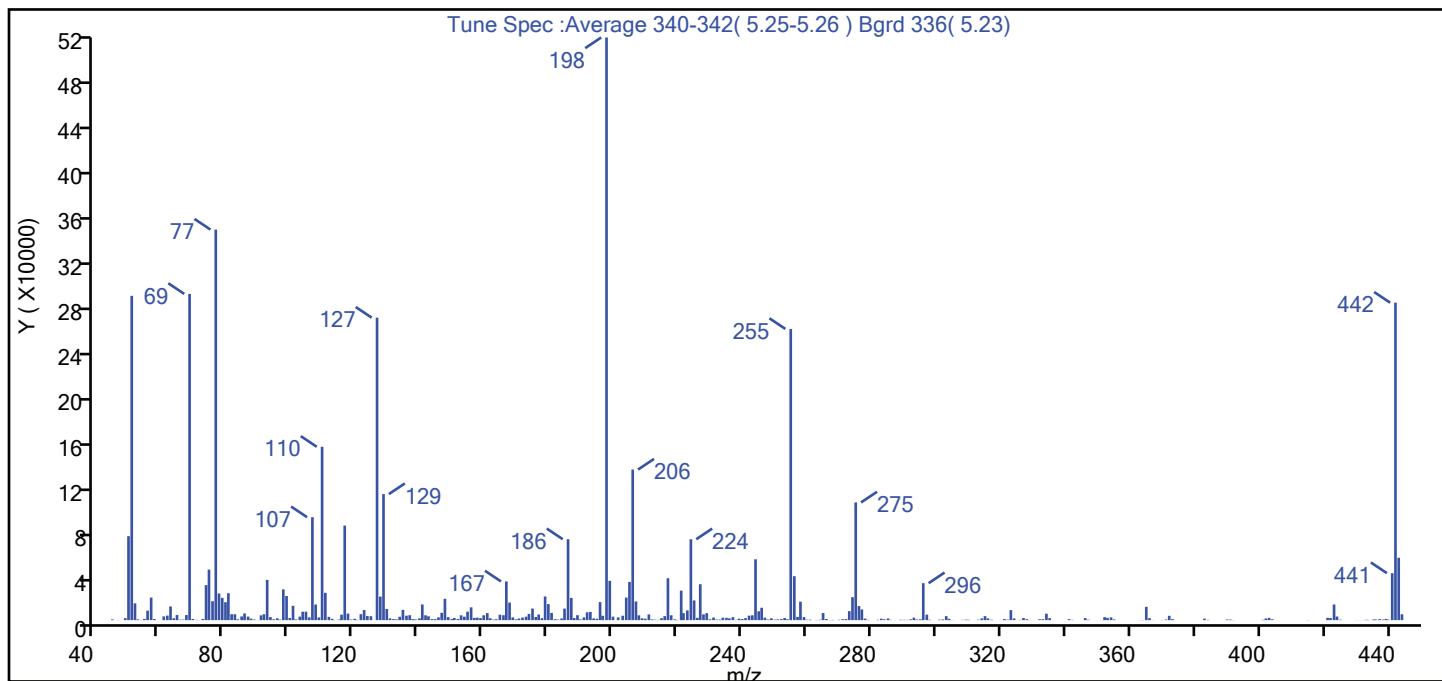
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (183.5)
51	10-80% of the base peak	55.7
68	<2% of mass 69	0.9 (1.6)
69	Present	56.0
70	<2% of mass 69	0.2 (0.3)
127	10-80% of the base peak	51.9
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.8
275	10-60% of the base peak	20.2
365	>1% of mass 198	2.3
441	present but <24% of mass 442	8.1 (14.8)
442	base peak, or >50% of 198	54.5
443	15-24% of mass 442	10.7 (19.6)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 08-Jul-2020 07:51:30
Spectrum: Tune Spec :Average 340-342(5.25-5.26) Bgrd 336(5.23)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	701	130.00	9964	211.00	5120	297.00	4892
47.00	110	131.00	1578	212.00	670	298.00	338
49.00	1753	132.00	937	213.00	367	301.00	433
50.00	74816	133.00	683	214.00	240	302.00	634
51.00	289024	134.00	3013	215.00	1730	303.00	3561
52.00	14976	135.00	9185	216.00	3548	304.00	1147
53.00	711	136.00	3972	217.00	37352	305.00	90
54.00	119	137.00	4431	218.00	4338	308.00	248
55.00	1130	138.00	956	219.00	704	309.00	440
56.00	8467	139.00	679	220.00	291	310.00	379
57.00	20096	140.00	1589	221.00	26312	313.00	373
58.00	1014	141.00	13983	222.00	6242	314.00	1529
61.00	3336	142.00	4354	223.00	8710	315.00	3582
62.00	4022	143.00	3442	224.00	72104	316.00	1573
63.00	12224	144.00	961	225.00	17576	317.00	359
64.00	1675	145.00	934	226.00	2070	320.00	86
65.00	4596	146.00	2495	227.00	32040	321.00	964
66.00	419	147.00	6541	228.00	5122	322.00	437
67.00	457	148.00	19024	229.00	6213	323.00	8934
68.00	4547	149.00	2724	230.00	802	324.00	1511
69.00	290752	150.00	985	231.00	2277	326.00	272
70.00	1014	151.00	1916	232.00	525	327.00	1888
71.00	262	152.00	1055	233.00	486	328.00	853
72.00	94	153.00	4314	234.00	2215	329.00	143
73.00	1073	154.00	3105	235.00	2104	332.00	802
74.00	31216	155.00	7562	236.00	1611	333.00	856
75.00	45072	156.00	11405	237.00	2700	334.00	5770
76.00	16888	157.00	1965	238.00	268	335.00	1790
77.00	348096	158.00	2177	239.00	1332	336.00	93
78.00	23760	159.00	1825	240.00	957	341.00	879
79.00	19832	160.00	4355	241.00	1834	342.00	263
80.00	15989	161.00	6264	242.00	3979	346.00	1860
81.00	24024	162.00	1722	243.00	4339	347.00	426

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D\MSSemi_HP19760.rs\tspectra.d

Injection Date: 08-Jul-2020 07:51:30

Spectrum: Tune Spec :Average 340-342(5.25-5.26) Bgrd 336(5.23)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	5266	163.00	442	244.00	54232	351.00	115
83.00	5266	164.00	800	245.00	7899	352.00	2677
84.00	781	165.00	4870	246.00	11051	353.00	2035
85.00	3299	166.00	4408	247.00	2237	354.00	2448
86.00	6003	167.00	34488	248.00	627	355.00	625
87.00	3165	168.00	15697	249.00	1653	363.00	98
88.00	1360	169.00	2471	250.00	471	364.00	113
89.00	557	170.00	677	251.00	669	365.00	11868
90.00	103	171.00	1452	252.00	891	366.00	1789
91.00	4274	172.00	2303	253.00	1862	367.00	116
92.00	5309	173.00	3080	254.00	796	370.00	183
93.00	35872	174.00	5549	255.00	259520	371.00	575
94.00	2729	175.00	10310	256.00	39168	372.00	3874
95.00	773	176.00	2820	257.00	2887	373.00	935
96.00	1633	177.00	5074	258.00	16456	383.00	1332
97.00	499	178.00	1760	259.00	2752	384.00	284
98.00	27416	179.00	21128	260.00	397	390.00	594
99.00	21520	180.00	14285	261.00	433	391.00	526
100.00	1891	181.00	6434	263.00	219	392.00	151
101.00	12778	182.00	898	264.00	353	401.00	298
102.00	642	183.00	486	265.00	6345	402.00	1496
103.00	3122	184.00	1509	266.00	1033	403.00	2043
104.00	7514	185.00	10284	267.00	123	404.00	772
105.00	7569	186.00	72136	268.00	215	415.00	131
106.00	2467	187.00	19816	270.00	349	421.00	2093
107.00	91752	188.00	1868	271.00	862	422.00	1858
108.00	13911	189.00	4423	272.00	926	423.00	13925
109.00	2417	190.00	678	273.00	8007	424.00	3215
110.00	154496	191.00	2493	274.00	20456	425.00	409
111.00	24344	192.00	7005	275.00	104912	430.00	106
112.00	2919	193.00	7342	276.00	12535	431.00	119
113.00	1138	194.00	1522	277.00	9529	432.00	108
114.00	93	195.00	1250	278.00	1402	433.00	319
115.00	514	196.00	16085	279.00	254	434.00	200

Report Date: 08-Jul-2020 19:25:25

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D\MSSemi_HP19760.rslt\spectra.d

Injection Date: 08-Jul-2020 07:51:30

Spectrum: Tune Spec :Average 340-342(5.25-5.26) Bgrd 336(5.23)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	4865	197.00	3899	282.00	298	435.00	478
117.00	84264	198.00	519296	283.00	1297	436.00	695
118.00	5842	199.00	35064	284.00	783	437.00	921
119.00	545	200.00	3085	285.00	1477	438.00	563
120.00	1161	202.00	2516	286.00	271	439.00	1008
121.00	234	203.00	3923	289.00	332	440.00	414
122.00	5330	204.00	20128	290.00	311	441.00	41872
123.00	8997	205.00	34056	291.00	240	442.00	282944
124.00	3681	206.00	134208	292.00	759	443.00	55576
125.00	3524	207.00	16656	293.00	2185	444.00	5208
127.00	269568	208.00	4307	294.00	589		
128.00	21016	209.00	1662	295.00	776		
129.00	112352	210.00	1341	296.00	32928		

Report Date: 08-Jul-2020 19:25:25

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D

Injection Date: 08-Jul-2020 07:51:30

Instrument ID: HP19760

Operator ID: enm10340

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

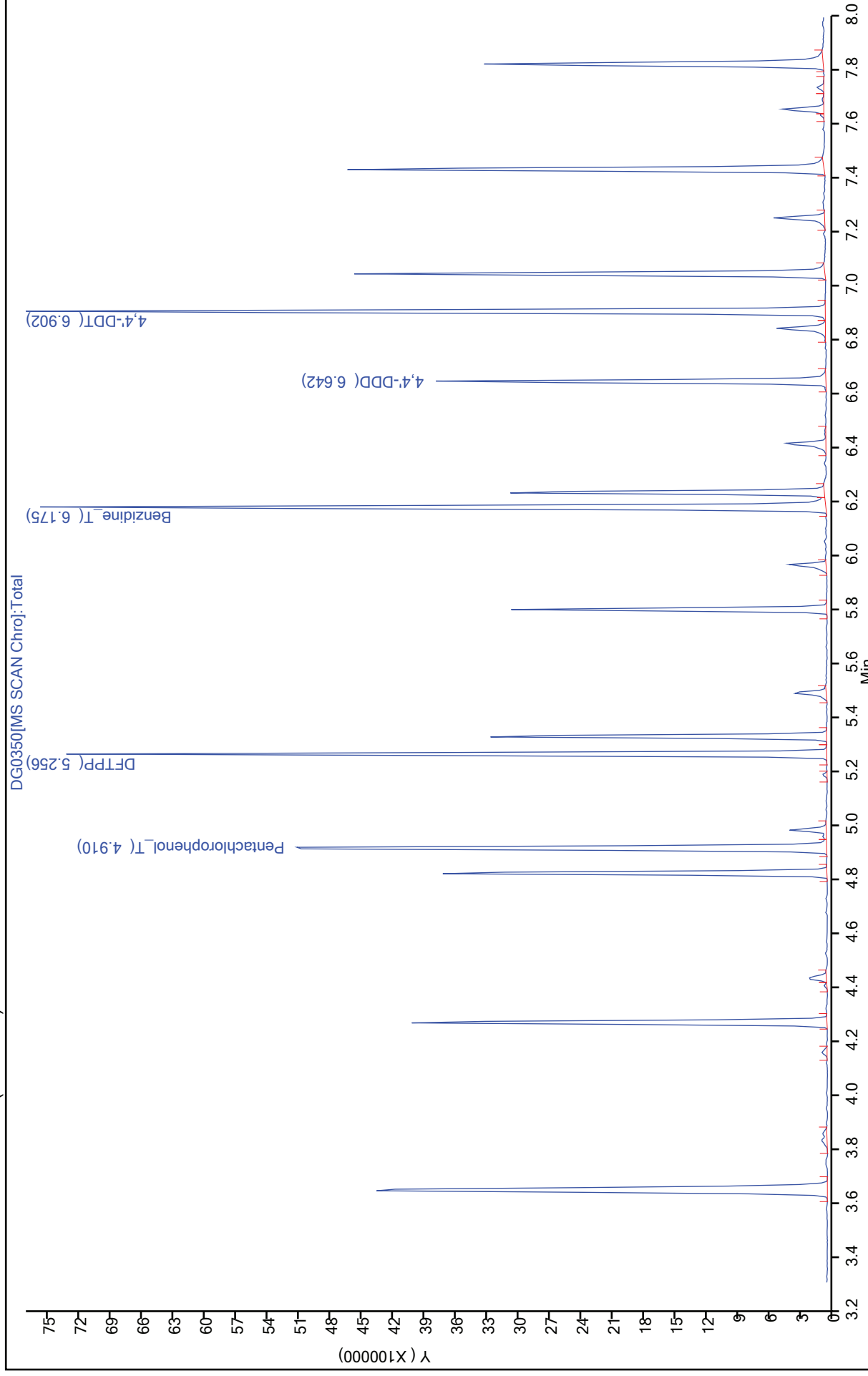
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D
Injection Date: 08-Jul-2020 07:51:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: enm10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

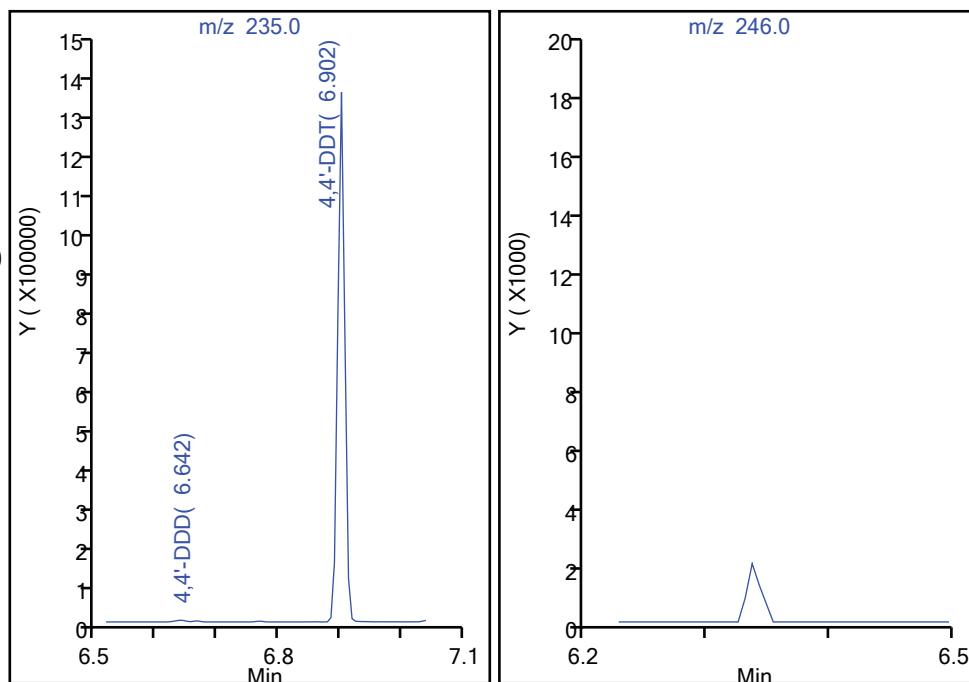
175 4,4'-DDT, Area = 1073428

173 4,4'-DDD, Area = 5194

174 4,4'-DDE, Area = 1576

%Breakdown: 0.63%, <= 20.00%

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D

Injection Date: 08-Jul-2020 07:51:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: enm10340

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

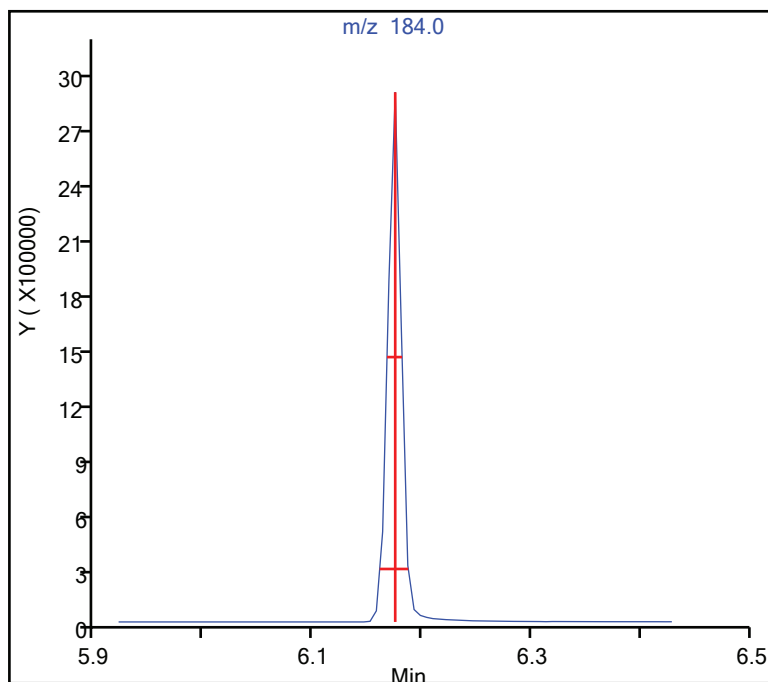
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)

Front Width = 0.014 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC

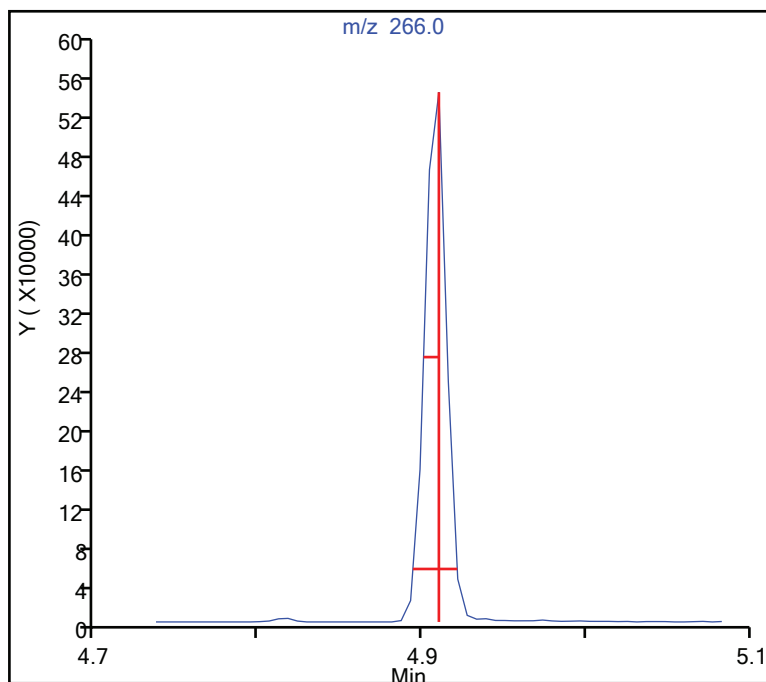
Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0350.D
Injection Date: 08-Jul-2020 07:51:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: enm10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.7, Max. Tailing < 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 08-Jul-2020 19:43:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Misc. Info.: 410-0005114-001
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 08:53:41 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: williamss

Date: 08-Jul-2020 19:57:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	4.904	4.904	0.000	90	381935	NR	NR	
11 Benzidine_T	184	6.163	6.163	0.000	99	1845033	NR	NR	
172 DFTPP									
174 4,4'-DDE	246	6.330	6.330	0.000	85	1306		NR	
173 4,4'-DDD	235	6.619	6.619	0.000	95	5473		NR	
175 4,4'-DDT	235	6.891	6.891	0.000	97	797937	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSS_RVDFTPP_00003

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D

Injection Date: 08-Jul-2020 19:43:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: sw30417

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 1.0 ul

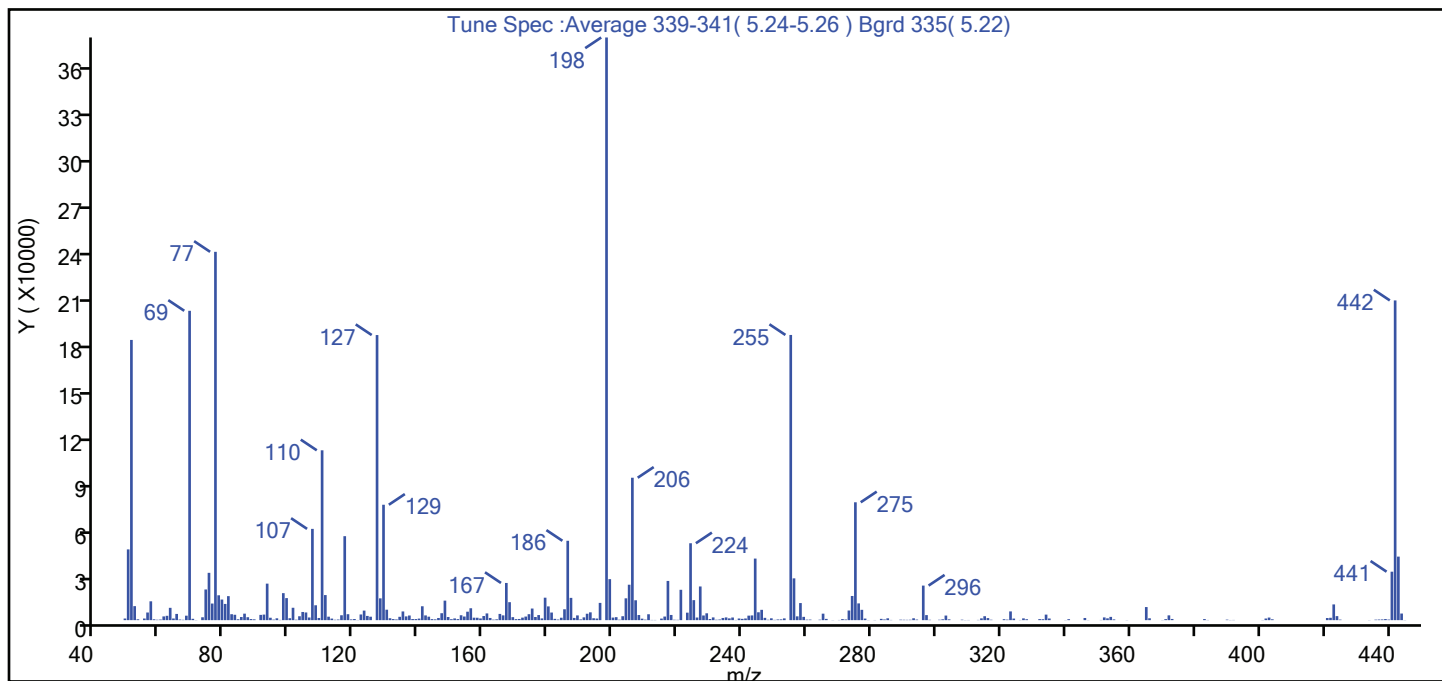
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (182.2)
51	10-80% of the base peak	48.1
68	<2% of mass 69	0.8 (1.4)
69	Present	53.1
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	48.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-60% of the base peak	20.2
365	>1% of mass 198	2.2
441	present but <24% of mass 442	8.3 (15.2)
442	base peak, or >50% of 198	54.9
443	15-24% of mass 442	10.9 (19.9)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 08-Jul-2020 19:43:30
Spectrum: Tune Spec :Average 339-341(5.24-5.26) Bgrd 335(5.22)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
49.00	1042	128.00	13977	204.00	13996	290.00	247
50.00	45376	129.00	74016	205.00	22720	291.00	206
51.00	179712	130.00	6699	206.00	91336	292.00	257
52.00	8985	131.00	1221	207.00	12750	293.00	1203
53.00	556	132.00	690	208.00	3288	294.00	374
55.00	1041	133.00	441	209.00	942	296.00	22160
56.00	4899	134.00	2145	210.00	332	297.00	3235
57.00	12079	135.00	5580	211.00	3779	298.00	221
58.00	544	136.00	2400	212.00	134	301.00	258
59.00	267	137.00	2979	213.00	125	302.00	535
60.00	398	138.00	715	215.00	1004	303.00	2942
61.00	2395	139.00	695	216.00	2308	304.00	521
62.00	2788	140.00	999	217.00	25144	308.00	300
63.00	7900	141.00	8900	218.00	3329	309.00	89
64.00	1053	142.00	3040	219.00	271	310.00	115
65.00	3986	143.00	2221	220.00	208	313.00	149
66.00	390	144.00	655	221.00	19464	314.00	1142
67.00	228	145.00	503	223.00	4798	315.00	2517
68.00	2862	146.00	1380	224.00	49320	316.00	1331
69.00	198400	147.00	4444	225.00	12828	317.00	266
70.00	862	148.00	12516	226.00	1683	321.00	602
71.00	94	149.00	2011	227.00	21600	322.00	340
73.00	1840	150.00	606	228.00	2990	323.00	5603
74.00	19672	151.00	1100	229.00	4393	324.00	1007
75.00	30344	152.00	678	230.00	732	326.00	113
76.00	10649	153.00	3146	231.00	1755	327.00	1138
77.00	236224	154.00	2334	232.00	264	328.00	589
78.00	15945	155.00	5417	233.00	411	332.00	660
79.00	13211	156.00	7630	234.00	1398	333.00	589
80.00	10393	157.00	1577	235.00	1757	334.00	3548
81.00	15394	158.00	1535	236.00	1138	335.00	1056
82.00	3812	159.00	1082	237.00	1696	340.00	87
83.00	3447	160.00	2636	238.00	115	341.00	621

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D\MSSemi_HP19760.rsl\spectra.d

Injection Date: 08-Jul-2020 19:43:30

Spectrum: Tune Spec :Average 339-341(5.24-5.26) Bgrd 335(5.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	567	161.00	4316	239.00	1052	346.00	1388
85.00	2008	162.00	1397	240.00	830	347.00	83
86.00	4164	163.00	313	241.00	1073	351.00	126
87.00	1880	164.00	515	242.00	2885	352.00	1748
88.00	704	165.00	3991	243.00	3029	353.00	1169
89.00	516	166.00	3063	244.00	39488	354.00	2093
91.00	3377	167.00	23848	245.00	5049	355.00	469
92.00	3560	168.00	11523	246.00	6615	359.00	90
93.00	23416	169.00	1920	247.00	1479	365.00	8392
94.00	1539	170.00	649	248.00	248	366.00	1197
95.00	328	171.00	749	249.00	1177	370.00	88
96.00	1179	172.00	1618	250.00	186	371.00	642
97.00	156	173.00	2301	251.00	436	372.00	3073
98.00	17312	174.00	3812	252.00	502	373.00	756
99.00	14133	175.00	7446	253.00	1128	383.00	693
100.00	1236	176.00	2013	255.00	182912	384.00	113
101.00	7944	177.00	3255	256.00	26800	390.00	339
102.00	279	178.00	1110	257.00	2434	391.00	102
103.00	2503	179.00	14401	258.00	10956	392.00	130
104.00	5235	180.00	8816	259.00	2112	401.00	89
105.00	4924	181.00	4883	260.00	320	402.00	1045
106.00	1694	182.00	835	261.00	360	403.00	1656
107.00	58536	183.00	394	264.00	297	404.00	553
108.00	9538	184.00	1546	265.00	4159	421.00	1361
109.00	1389	185.00	6972	266.00	805	422.00	1508
110.00	108928	186.00	50896	268.00	83	423.00	10087
111.00	16081	187.00	14283	270.00	119	424.00	2576
112.00	2223	188.00	1427	271.00	669	425.00	346
113.00	1005	189.00	3038	272.00	419	434.00	87
114.00	256	190.00	472	273.00	6184	436.00	316
115.00	397	191.00	1788	274.00	15495	437.00	401
116.00	3135	192.00	4115	275.00	75592	438.00	459
117.00	53856	193.00	5011	276.00	10741	439.00	698
118.00	3809	194.00	1224	277.00	6621	440.00	370

Report Date: 09-Jul-2020 08:53:41

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D\MSSemi_HP19760.rslt\spectra.d

Injection Date: 08-Jul-2020 19:43:30

Spectrum: Tune Spec :Average 339-341(5.24-5.26) Bgrd 335(5.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	470	195.00	1037	278.00	1002	441.00	31072
120.00	726	196.00	11065	279.00	92	442.00	205056
121.00	106	198.00	373696	281.00	98	443.00	40744
122.00	3639	199.00	26296	283.00	824	444.00	4241
123.00	6123	200.00	1649	284.00	431	445.00	93
124.00	2704	201.00	1910	285.00	1180		
125.00	2204	202.00	291	286.00	133		
127.00	182848	203.00	2516	289.00	306		

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D

Injection Date: 08-Jul-2020 19:43:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

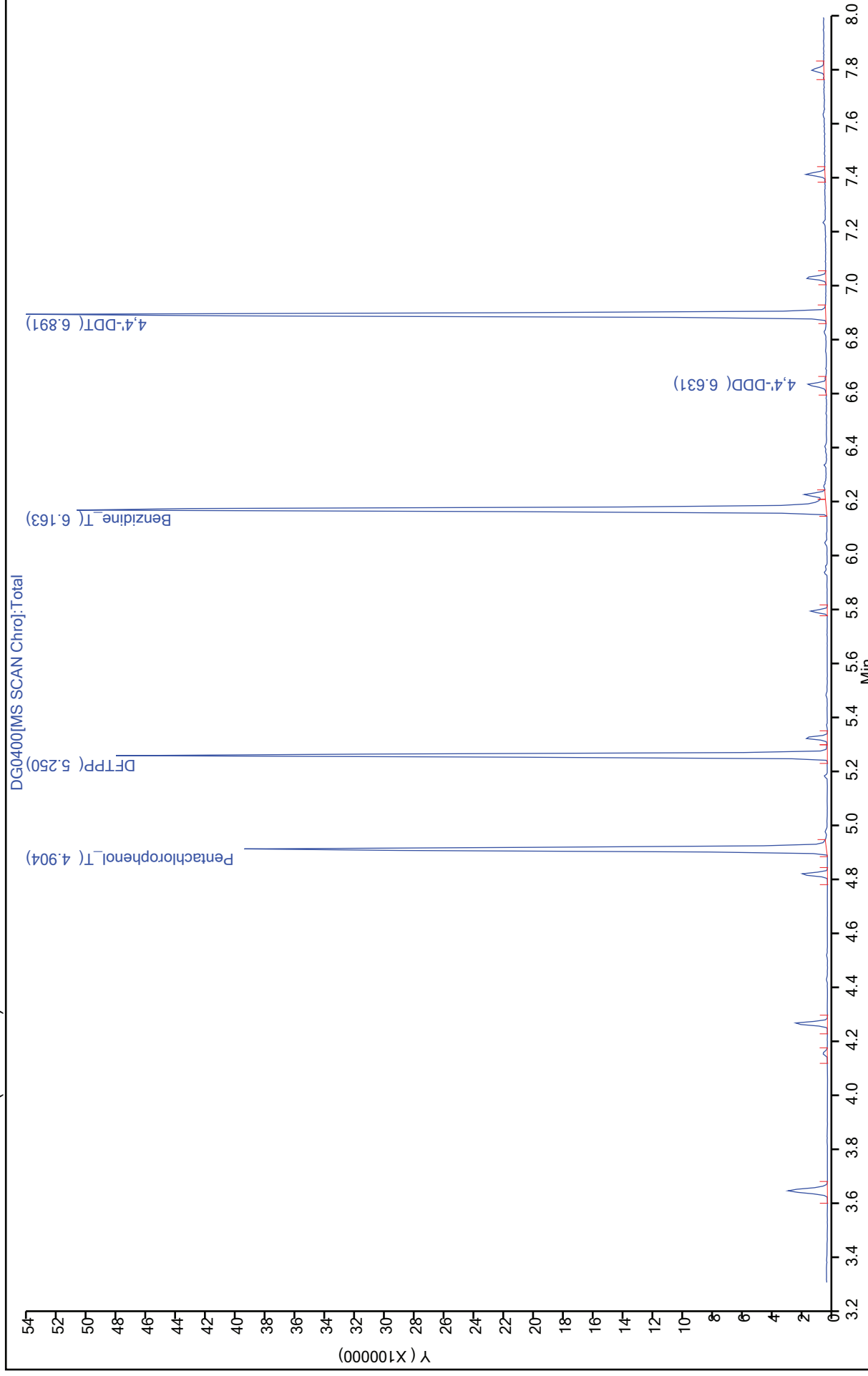
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D
Injection Date: 08-Jul-2020 19:43:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

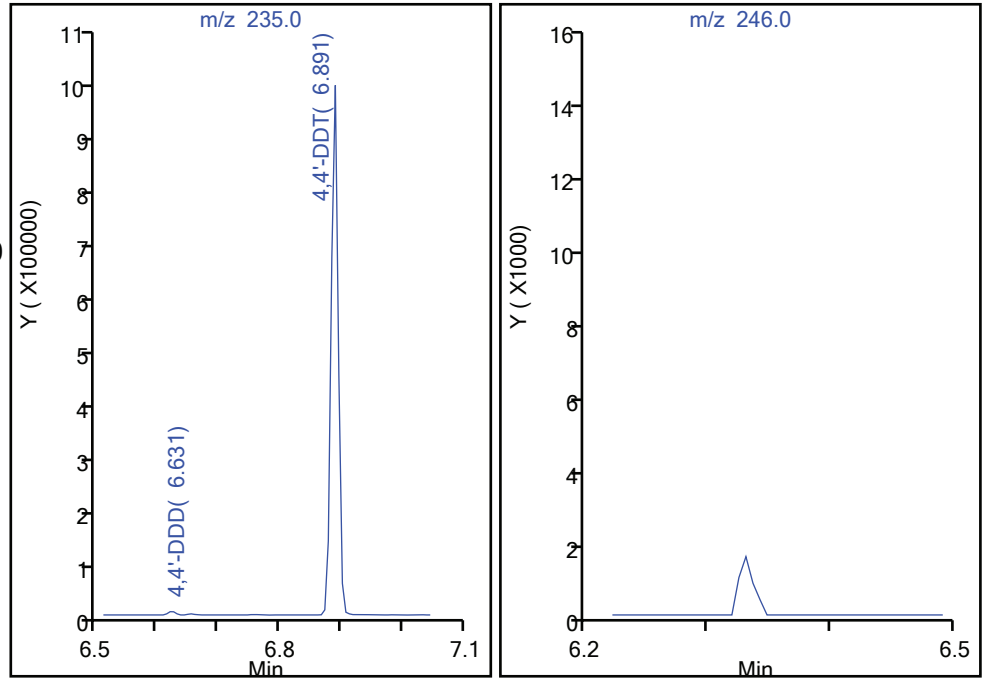
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

175 4,4'-DDT, Area = 797937

173 4,4'-DDD, Area = 5473

174 4,4'-DDE, Area = 1306

%Breakdown: 0.84%, <= 20.00%
Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D

Injection Date: 08-Jul-2020 19:43:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: sw30417

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =

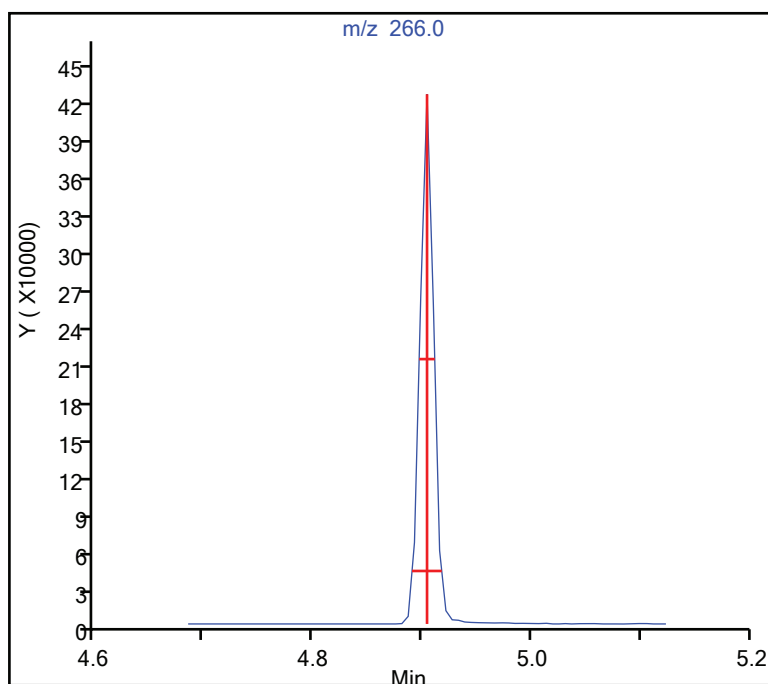
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)

Front Width = 0.014 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0400.D

Injection Date: 08-Jul-2020 19:43:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: sw30417

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

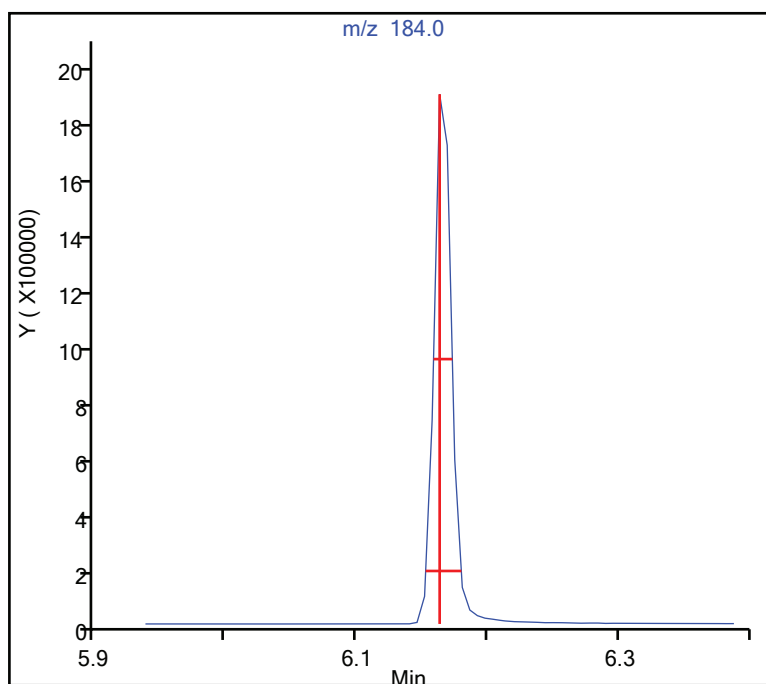
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)

Front Width = 0.011 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 09-Jul-2020 07:53:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Misc. Info.: 410
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 10-Jul-2020 13:23:26 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1001

First Level Reviewer: monbornee

Date: 09-Jul-2020 08:34:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	4.904	4.904	0.000	90	384388	NR	NR	
11 Benzidine_T	184	6.163	6.163	0.000	99	1910818	NR	NR	
* 19 1,4-Dichlorobenzene-d4	152		7.059				5.00	ND	
* 44 Naphthalene-d8	136		8.994				5.00	ND	
* 77 Acenaphthene-d10	164		11.762				5.00	ND	
* 110 Phenanthrene-d10	188		13.651				5.00	ND	
* 123 Pyrene-d10 (IS)	212		15.662				5.00	ND	
* 142 Perylene-d12	264		20.197				5.00	ND	
172 DFTPP									
174 4,4'-DDE	246	6.325	6.325	0.000	81	1701			NR
173 4,4'-DDD	235	6.613	6.613	0.000	96	34668			NR
175 4,4'-DDT	235	6.879	6.879	0.000	98	761829	NR		NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSS_RVDFTPP_00003

Amount Added: 1.00

Units: mL

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D

Injection Date: 09-Jul-2020 07:53:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: em10340

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 1.0 ul

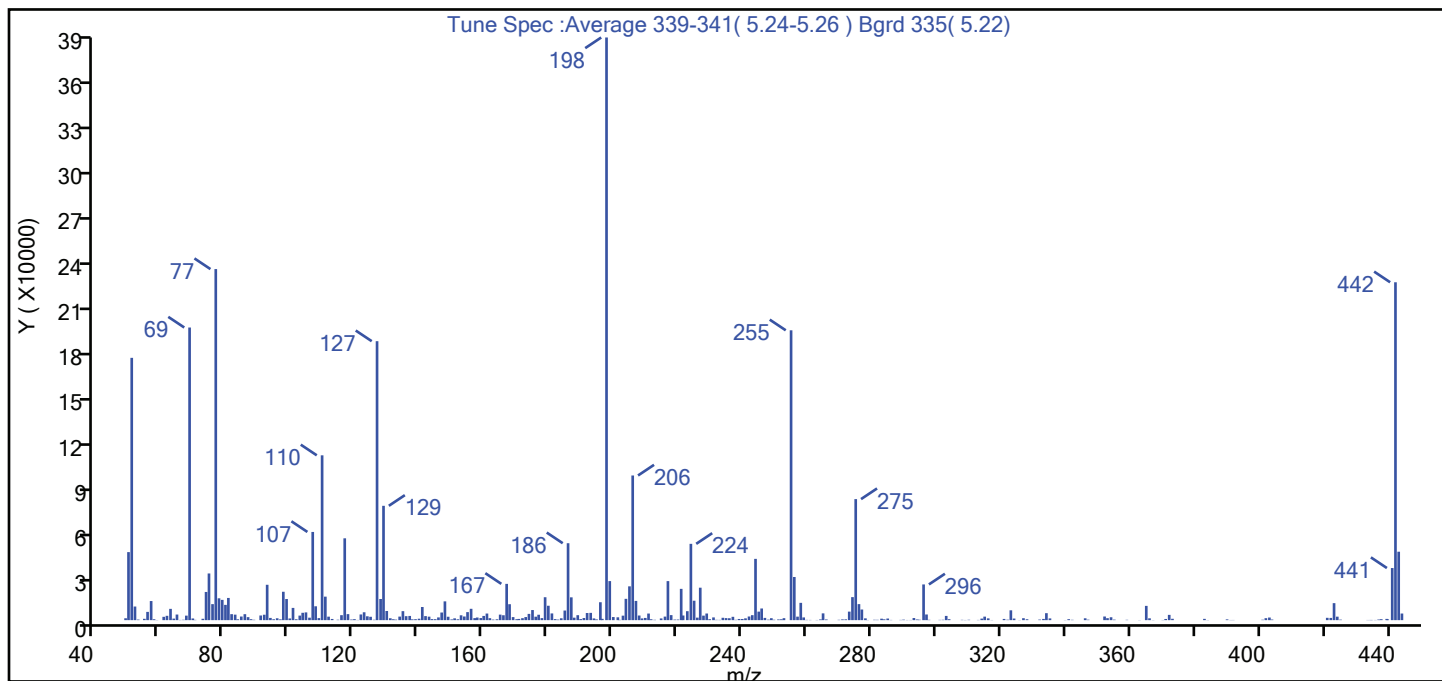
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (172.5)
51	10-80% of the base peak	45.0
68	<2% of mass 69	0.8 (1.5)
69	Present	50.2
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	47.9
197	<2% of mass 198	0.2
199	5-9% of mass 198	6.7
275	10-60% of the base peak	20.8
365	>1% of mass 198	2.4
441	present but <24% of mass 442	8.9 (15.4)
442	base peak, or >50% of 198	58.0
443	15-24% of mass 442	11.7 (20.3)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 09-Jul-2020 07:53:30
Spectrum: Tune Spec :Average 339-341(5.24-5.26) Bgrd 335(5.22)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
49.00	1252	130.00	6079	206.00	96176	291.00	118
50.00	45232	131.00	1261	207.00	12780	292.00	127
51.00	174400	132.00	588	208.00	3079	293.00	1414
52.00	9054	133.00	346	209.00	1147	294.00	456
53.00	387	134.00	2359	210.00	1466	295.00	273
55.00	890	135.00	5976	211.00	4390	296.00	23744
56.00	5492	136.00	2640	212.00	596	297.00	3765
57.00	12703	137.00	2794	213.00	226	298.00	214
58.00	594	138.00	541	215.00	1142	301.00	184
59.00	100	139.00	631	216.00	2357	302.00	257
61.00	2213	140.00	952	217.00	25952	303.00	2810
62.00	2879	141.00	8733	218.00	3342	304.00	634
63.00	7508	142.00	2687	219.00	383	308.00	208
64.00	1029	143.00	2315	220.00	409	309.00	117
65.00	3730	144.00	691	221.00	20800	310.00	261
66.00	146	145.00	643	222.00	3086	313.00	144
67.00	263	146.00	1814	223.00	5959	314.00	1021
68.00	3001	147.00	5071	224.00	50736	315.00	2334
69.00	194560	148.00	12489	225.00	12919	316.00	1186
70.00	1118	149.00	2258	226.00	1667	317.00	104
71.00	186	150.00	474	227.00	21576	321.00	800
73.00	916	151.00	1205	228.00	2999	322.00	302
74.00	18736	152.00	576	229.00	4412	323.00	6534
75.00	31032	153.00	3226	230.00	638	324.00	1064
76.00	10648	154.00	2436	231.00	1816	326.00	84
77.00	233408	155.00	5338	232.00	219	327.00	1296
78.00	14527	156.00	7542	233.00	180	328.00	593
79.00	13480	157.00	1346	234.00	1573	332.00	388
80.00	10149	158.00	1744	235.00	1355	333.00	811
81.00	14761	159.00	1381	236.00	1274	334.00	4638
82.00	3981	160.00	2802	237.00	2214	335.00	1154
83.00	3659	161.00	4394	238.00	217	340.00	92
84.00	573	162.00	1305	239.00	781	341.00	644

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D\MSSemi_HP19760.rs\tspectra.d

Injection Date: 09-Jul-2020 07:53:30

Spectrum: Tune Spec :Average 339-341(5.24-5.26) Bgrd 335(5.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	2404	163.00	355	240.00	767	342.00	226
86.00	3971	164.00	554	241.00	1204	346.00	1234
87.00	1991	165.00	3668	242.00	2426	347.00	314
88.00	635	166.00	3256	243.00	3311	352.00	2416
89.00	240	167.00	24120	244.00	40744	353.00	1318
91.00	3090	168.00	10599	245.00	5664	354.00	1920
92.00	3600	169.00	2027	246.00	7756	355.00	344
93.00	23512	170.00	629	247.00	1496	359.00	228
94.00	1481	171.00	815	248.00	339	363.00	100
95.00	592	172.00	1312	249.00	1294	365.00	9484
96.00	1249	173.00	2053	250.00	274	366.00	1218
97.00	522	174.00	4156	251.00	474	367.00	93
98.00	18872	175.00	6716	252.00	583	370.00	106
99.00	14046	176.00	2306	253.00	1313	371.00	778
100.00	1119	177.00	3592	255.00	192704	372.00	3506
101.00	8140	178.00	1351	256.00	28680	373.00	905
102.00	583	179.00	15236	257.00	2321	383.00	856
103.00	3020	180.00	9572	258.00	11502	384.00	93
104.00	4891	181.00	4462	259.00	1802	390.00	519
105.00	5152	182.00	683	260.00	185	391.00	112
106.00	1634	183.00	365	261.00	143	392.00	124
107.00	58640	184.00	1240	263.00	117	401.00	276
108.00	9218	185.00	6394	264.00	489	402.00	1307
109.00	1357	186.00	51144	265.00	4506	403.00	1733
110.00	109584	187.00	15163	266.00	457	404.00	407
111.00	15626	188.00	1645	270.00	230	421.00	1544
112.00	2318	189.00	3300	271.00	502	422.00	1481
113.00	785	190.00	693	272.00	530	423.00	11298
115.00	279	191.00	1410	273.00	5667	424.00	2310
116.00	3305	192.00	4741	274.00	15305	425.00	344
117.00	54408	193.00	4839	275.00	80472	434.00	123
118.00	3997	194.00	1155	276.00	10651	434.00	130
119.00	398	195.00	500	277.00	7070	435.00	128
120.00	658	196.00	11911	278.00	1193	436.00	123

Report Date: 10-Jul-2020 13:23:27

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D\MSSemi_HP19760.rslt\spectra.d

Injection Date: 09-Jul-2020 07:53:30

Spectrum: Tune Spec :Average 339-341(5.24-5.26) Bgrd 335(5.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	133	197.00	873	279.00	110	437.00	416
122.00	3778	198.00	387392	281.00	256	438.00	639
123.00	5234	199.00	25960	282.00	228	439.00	831
124.00	2563	200.00	2060	283.00	967	440.00	509
125.00	2234	202.00	1892	284.00	546	441.00	34640
126.00	267	202.00	187	285.00	1072	442.00	224640
127.00	185472	203.00	2980	286.00	145	443.00	45496
128.00	14063	204.00	14170	289.00	166	444.00	4400
129.00	76016	205.00	22480	290.00	338		

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D

Injection Date: 09-Jul-2020 07:53:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

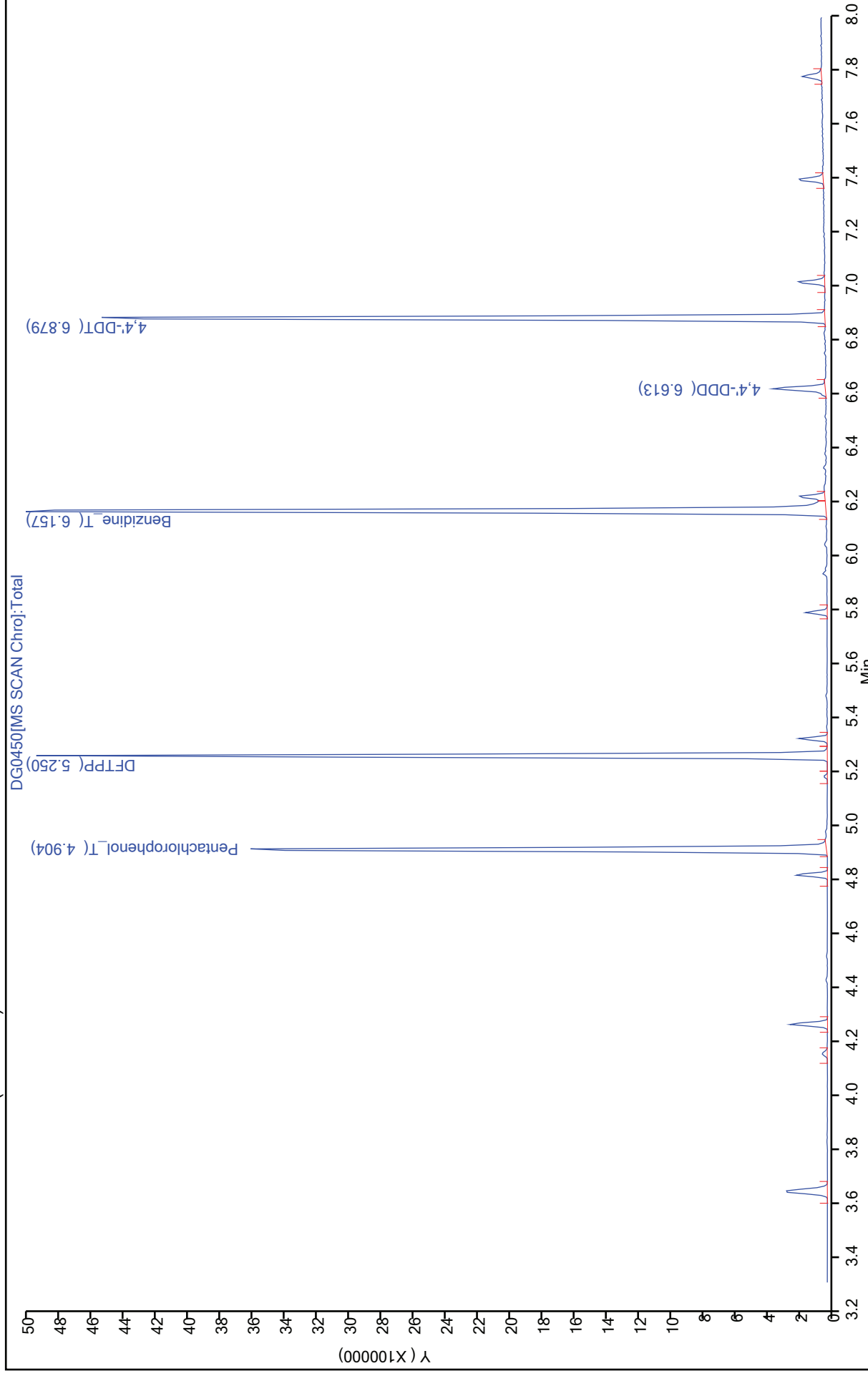
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D
Injection Date: 09-Jul-2020 07:53:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

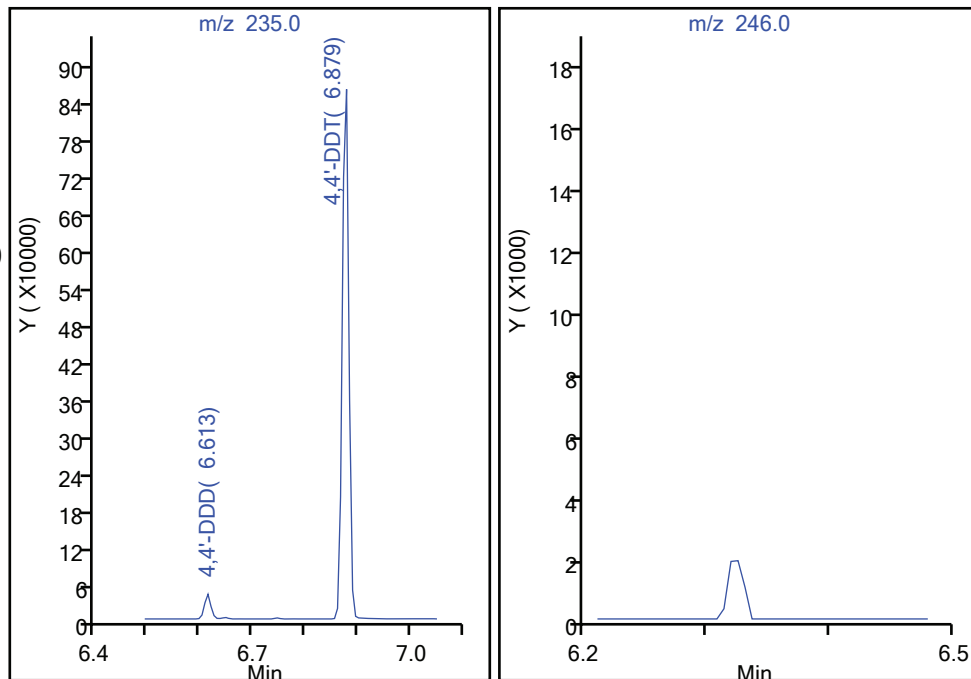
175 4,4'-DDT, Area = 761829

173 4,4'-DDD, Area = 34668

174 4,4'-DDE, Area = 1701

%Breakdown: 4.56%, <= 20.00%

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D

Injection Date: 09-Jul-2020 07:53:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: em10340

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

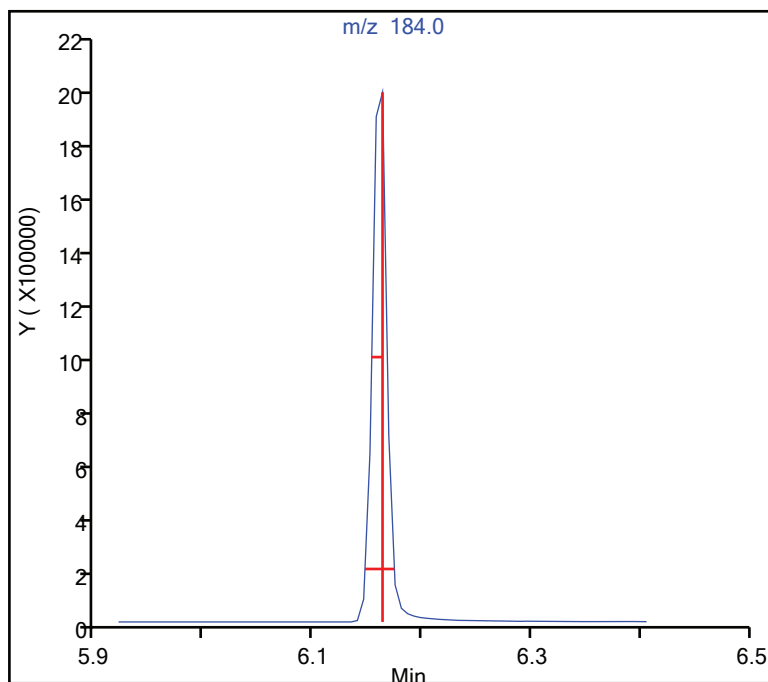
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 0.7, Max. Tailing < 2.00

Passed



Eurofins Lancaster Laboratories Env, LLC

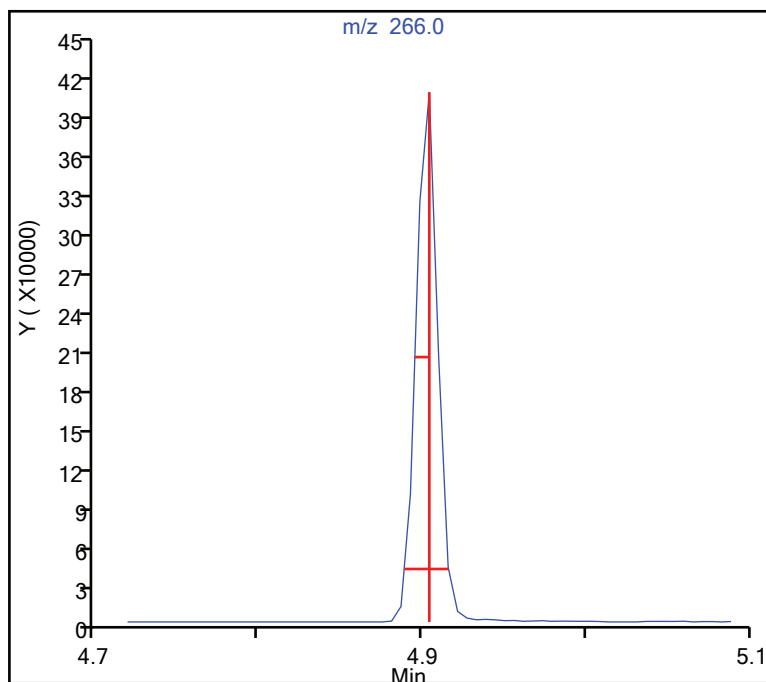
Data File: \\chromfs\Lancaster\ChromData\HP19760\20200709-5147.b\DG0450.D
Injection Date: 09-Jul-2020 07:53:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 10-Jul-2020 10:49:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Misc. Info.: 410-0005260-001
 Operator ID: lmh00956 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 12-Jul-2020 09:43:05 Calib Date: 10-Jul-2020 16:56:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0533.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1038

First Level Reviewer: hartenstine1

Date: 10-Jul-2020 11:04:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
6 Pentachlorophenol_T	266	4.898	4.898	0.000	89	319445	NR	NR	
11 Benzdine_T	184	6.157	6.157	0.000	99	1595106	NR	NR	
172 DFTPP									
174 4,4'-DDE	246	6.319	6.319	0.000	78	1345		NR	
173 4,4'-DDD	235	6.608	6.608	0.000	92	19806		NR	
175 4,4'-DDT	235	6.873	6.873	0.000	97	644320	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSS_RVDFTPP_00004

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D

Injection Date: 10-Jul-2020 10:49:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: lmh00956

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 1.0 ul

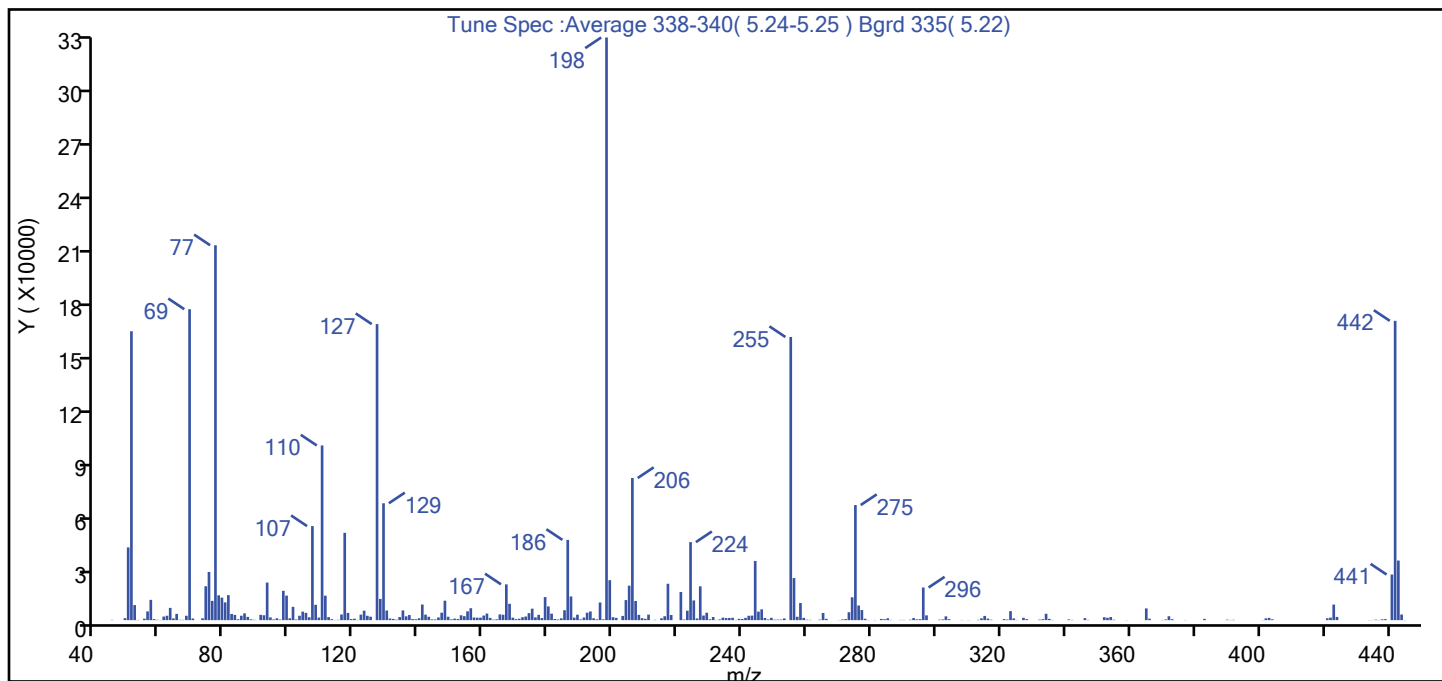
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Tune Method: DFTPP Method 8270D, BP 198

172 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (194.7)
51	10-80% of the base peak	49.6
68	<2% of mass 69	0.8 (1.4)
69	Present	53.4
70	<2% of mass 69	0.3 (0.5)
127	10-80% of the base peak	50.8
197	<2% of mass 198	0.1
199	5-9% of mass 198	6.9
275	10-60% of the base peak	19.8
365	>1% of mass 198	2.0
441	present but <24% of mass 442	7.8 (15.2)
442	base peak, or >50% of 198	51.4
443	15-24% of mass 442	10.2 (19.9)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D\MSSemi_HP19760.rslt\spectra.d
Injection Date: 10-Jul-2020 10:49:30
Spectrum: Tune Spec :Average 338-340(5.24-5.25) Bgrd 335(5.22)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	159	125.00	1915	199.00	22160	285.00	1044
49.00	1098	127.00	164160	200.00	1629	286.00	136
50.00	40328	128.00	11778	201.00	1255	289.00	137
51.00	160192	129.00	64800	203.00	2337	290.00	123
52.00	8365	130.00	5332	204.00	11129	292.00	235
53.00	123	131.00	896	205.00	19112	293.00	1155
55.00	809	132.00	698	206.00	78808	294.00	444
56.00	4834	133.00	275	207.00	10634	295.00	524
57.00	11241	134.00	1721	208.00	2937	296.00	18096
58.00	587	135.00	5387	209.00	1092	297.00	2651
59.00	183	136.00	2116	210.00	730	301.00	271
60.00	110	137.00	2840	211.00	3046	302.00	377
61.00	1978	138.00	600	213.00	183	303.00	2108
62.00	2446	139.00	501	215.00	1038	304.00	531
63.00	6794	140.00	1038	216.00	2162	308.00	102
64.00	967	141.00	8658	217.00	20168	310.00	91
65.00	3457	142.00	3053	218.00	2854	313.00	187
66.00	178	143.00	1883	221.00	15614	314.00	1005
67.00	166	144.00	423	222.00	343	315.00	2345
68.00	2436	145.00	402	223.00	5230	316.00	882
69.00	172416	146.00	1486	224.00	43264	317.00	240
70.00	920	147.00	4126	225.00	10933	321.00	560
73.00	1029	148.00	10778	226.00	958	322.00	340
74.00	18800	149.00	1876	227.00	18760	323.00	4990
75.00	26696	150.00	434	228.00	2549	324.00	967
76.00	10683	151.00	847	229.00	4108	325.00	87
77.00	207872	152.00	645	230.00	497	327.00	1312
78.00	13774	153.00	2696	231.00	1727	328.00	574
79.00	12473	154.00	2200	232.00	105	332.00	300
80.00	9837	155.00	4880	233.00	396	333.00	548
81.00	13872	156.00	6604	234.00	1388	334.00	3531
82.00	3429	157.00	1471	235.00	1162	335.00	703
83.00	2894	158.00	1336	236.00	1204	336.00	95

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D\MSSemi_HP19760.rs\tspectra.d

Injection Date: 10-Jul-2020 10:49:30

Spectrum: Tune Spec :Average 338-340(5.24-5.25) Bgrd 335(5.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	506	159.00	1364	237.00	1307	341.00	411
85.00	2441	160.00	2545	238.00	103	342.00	158
86.00	3761	161.00	3651	239.00	734	346.00	1113
87.00	1805	162.00	1257	240.00	615	347.00	147
88.00	468	163.00	263	241.00	1257	352.00	1627
89.00	178	164.00	465	242.00	2404	353.00	1292
91.00	2939	165.00	3198	243.00	2520	354.00	1727
92.00	2723	166.00	2986	244.00	32816	355.00	248
93.00	20832	167.00	19848	245.00	4714	359.00	87
94.00	1522	168.00	9065	246.00	5993	365.00	6505
95.00	391	169.00	1382	247.00	1211	366.00	806
96.00	1027	170.00	576	248.00	404	370.00	113
97.00	331	171.00	775	249.00	1283	371.00	370
98.00	16261	172.00	1623	250.00	277	372.00	2163
99.00	13597	173.00	2005	251.00	298	373.00	547
100.00	1038	174.00	3872	252.00	321	377.00	104
101.00	7374	175.00	6368	253.00	945	383.00	693
102.00	344	176.00	1555	255.00	156992	390.00	289
103.00	2449	177.00	2938	256.00	23336	391.00	120
104.00	4709	178.00	1176	257.00	1864	392.00	188
105.00	4052	179.00	12802	258.00	9489	401.00	89
106.00	1595	180.00	7618	259.00	1272	402.00	998
107.00	52144	181.00	3600	260.00	259	403.00	1254
108.00	8512	182.00	631	261.00	160	404.00	472
109.00	1424	183.00	390	264.00	295	421.00	1031
110.00	96856	184.00	1024	265.00	3984	422.00	1405
111.00	13579	185.00	5505	266.00	717	423.00	8634
112.00	1696	186.00	44496	270.00	103	424.00	1773
113.00	537	187.00	13123	271.00	391	434.00	83
114.00	99	188.00	1413	272.00	576	435.00	92
115.00	194	189.00	3013	273.00	4383	436.00	263
116.00	3139	190.00	396	274.00	12662	437.00	129
117.00	48416	191.00	1464	275.00	63824	438.00	454
118.00	4018	192.00	4133	276.00	8115	439.00	579

Report Date: 12-Jul-2020 09:43:05

Chrom Revision: 2.3 30-Jun-2020 12:05:54

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D\MSSemi_HP19760.rslt\spectra.d

Injection Date: 10-Jul-2020 10:49:30

Spectrum: Tune Spec :Average 338-340(5.24-5.25) Bgrd 335(5.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	587	193.00	4826	277.00	5610	441.00	25288
120.00	805	194.00	1030	278.00	777	442.00	165952
121.00	146	195.00	440	279.00	114	443.00	33048
122.00	3062	196.00	9805	281.00	94	444.00	3126
123.00	5262	197.00	448	283.00	671	445.00	91
124.00	2428	198.00	323072	284.00	516		

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D

Injection Date: 10-Jul-2020 10:49:30

Instrument ID: HP19760

Operator ID: Imh00956

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

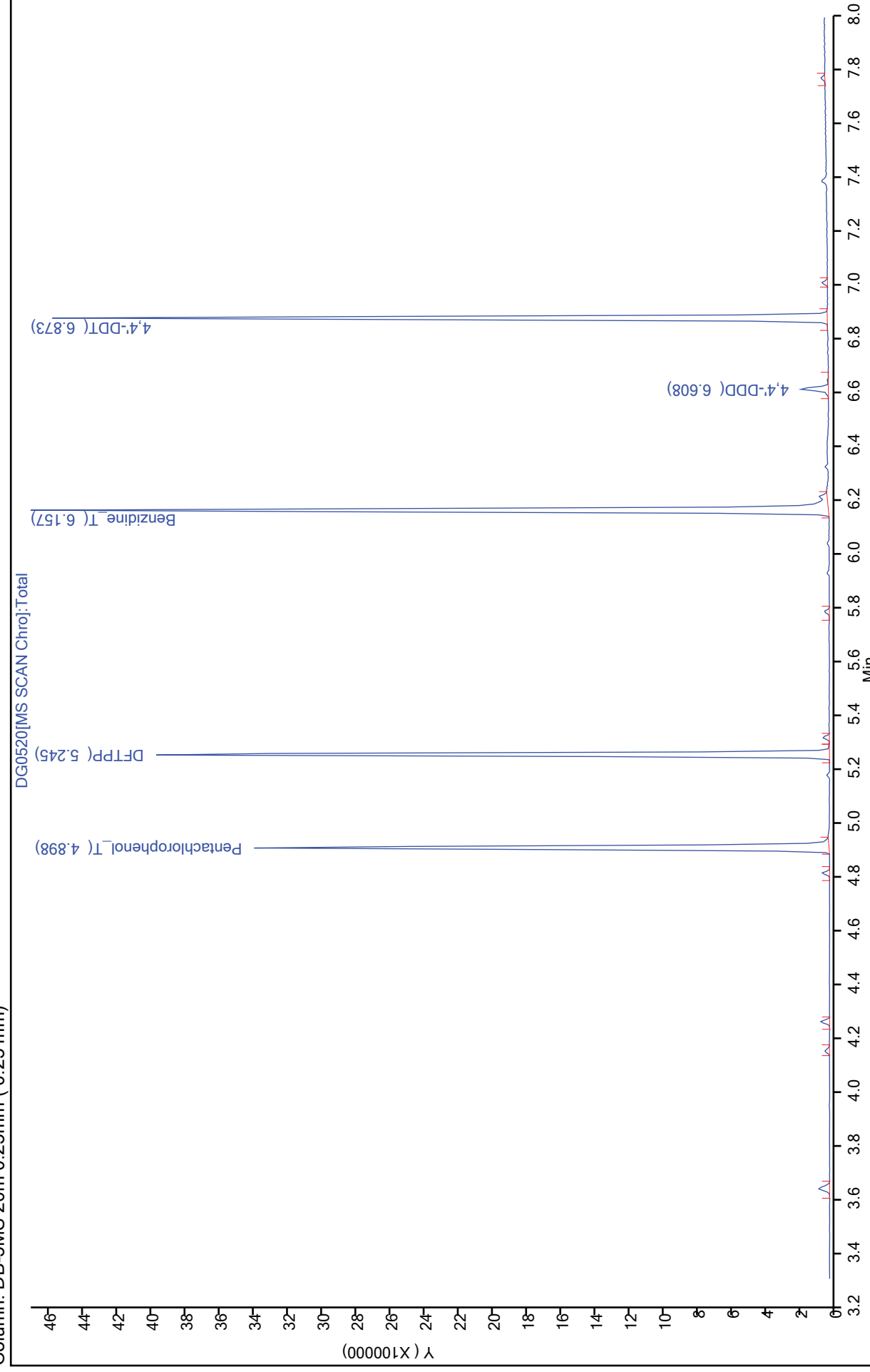
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D
Injection Date: 10-Jul-2020 10:49:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: lmh00956 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

175 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

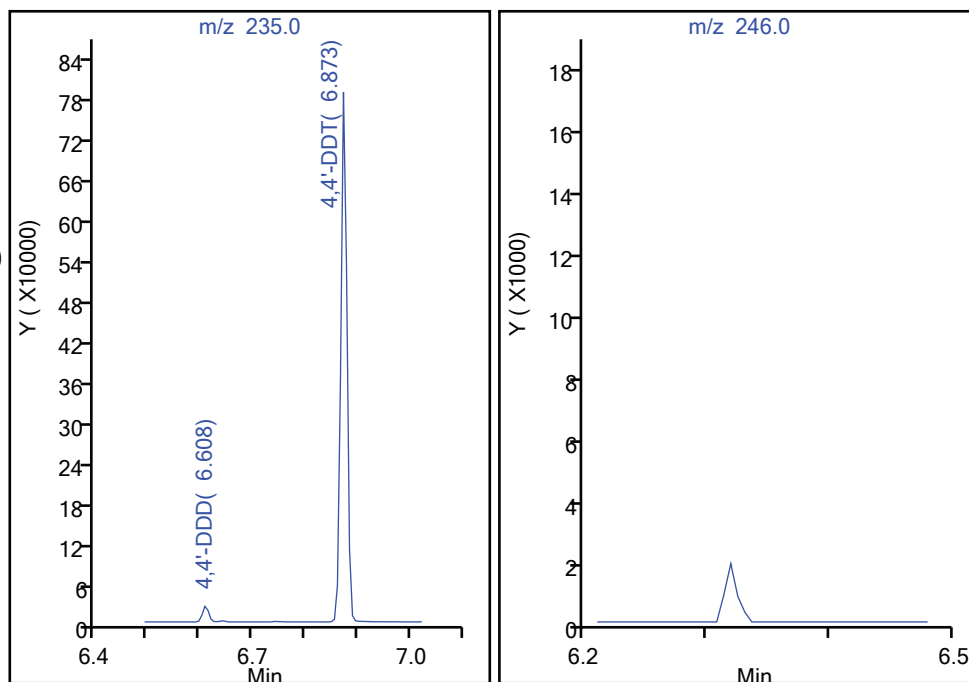
175 4,4'-DDT, Area = 644320

173 4,4'-DDD, Area = 19806

174 4,4'-DDE, Area = 1345

%Breakdown: 3.18%, <= 20.00%

Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D
Injection Date: 10-Jul-2020 10:49:30 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: lmh00956
Injection Vol: 1.0 ul
Method: MSSemi_HP19760

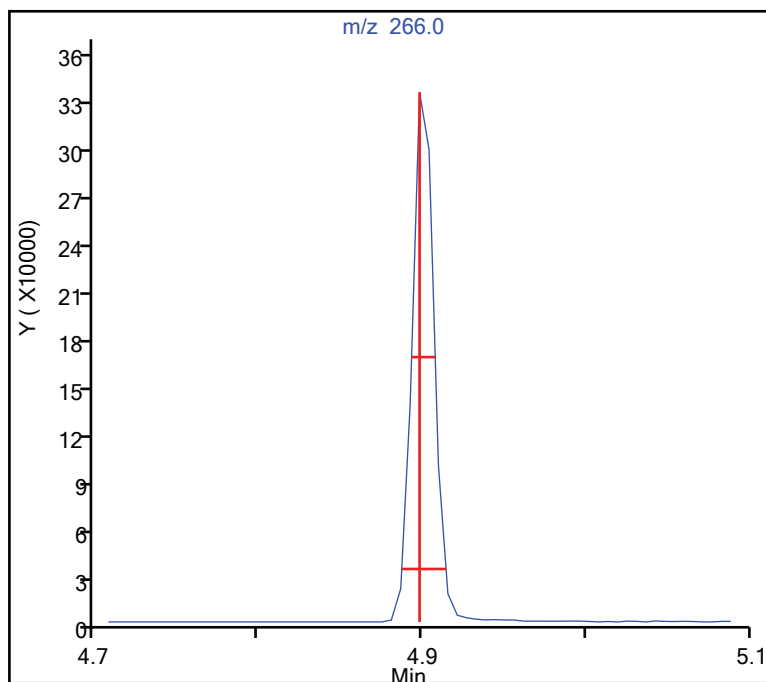
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSSV - 8270D_E LVI

6 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200710-5260.b\DG0520.D

Injection Date: 10-Jul-2020 10:49:30

Instrument ID: HP19760

Lims ID: DFTPP

Client ID:

Operator ID: lmh00956

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

11 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

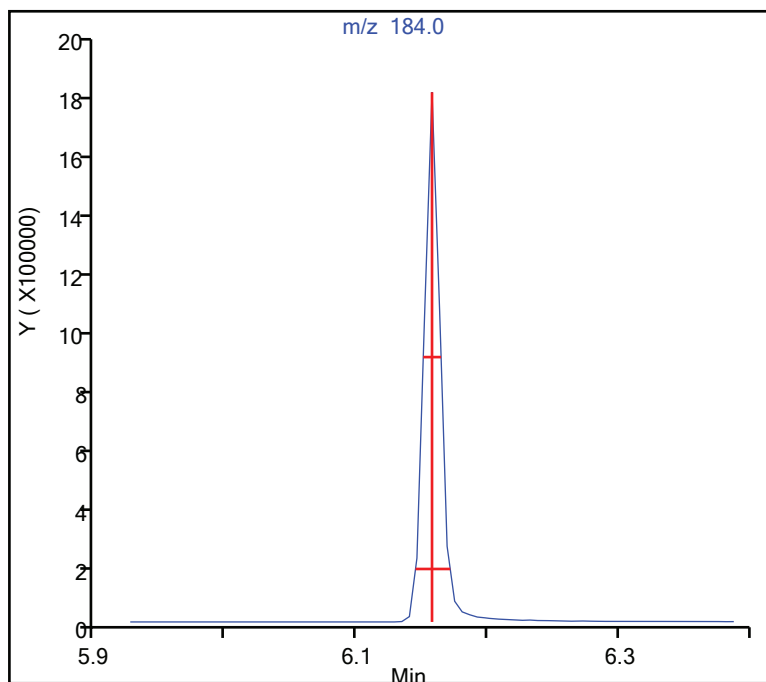
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)

Front Width = 0.013 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00

Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 410-19318/1-A
 Matrix: Water Lab File ID: DG0402.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:23
 Sample wt/vol: 250 (mL) Date Analyzed: 07/08/2020 22:12
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	0.440	J	0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	60		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	83		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0402.D
 Lims ID: MB 410-19318/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Jul-2020 22:12:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 410-19318/1-A
 Misc. Info.: 410-0005114-003
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:45:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.053	7.059	-0.006	98	198368	5.00	5.00	
\$ 33 Nitrobenzene-d5	82	7.880	7.886	-0.006	88	1165097	25.1	15.0	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	774316	5.00	5.00	
45 Naphthalene	128	9.023	9.023	0.000	96	19390		0.1099	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.736	10.737	0.000	99	1665713	25.1	14.9	
75 Acenaphthylene	152		11.553					ND	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	96	373665	5.00	5.00	
78 Acenaphthene	153		11.809					ND	
89 Fluorene	166		12.479					ND	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	98	682146	5.00	5.00	
112 Phenanthrene	178		13.680					ND	
113 Anthracene	178		13.750					ND	
121 Fluoranthene	202		15.347					ND	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	702473	5.00	5.00	
124 Pyrene	202		15.697					ND	
\$ 125 p-Terphenyl-d14	244	15.976	15.982	-0.006	98	2422340	25.1	20.9	
132 Benzo[a]anthracene	228		17.719					ND	
134 Chrysene	228		17.783					ND	
138 Benzo[b]fluoranthene	252		19.584					ND	
140 Benzo[k]fluoranthene	252		19.637					ND	
141 Benzo[a]pyrene	252		20.109					ND	
* 142 Perylene-d12	264	20.196	20.202	-0.006	96	595498	5.00	5.00	
146 Indeno[1,2,3-cd]pyrene	276		21.828					ND	
147 Dibenzo[a,h]anthracene	278		21.869					ND	
148 Benzo[g,h,i]perylene	276		22.231					ND	

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0402.D

Injection Date: 08-Jul-2020 22:12:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: MB 410-19318/1-A

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

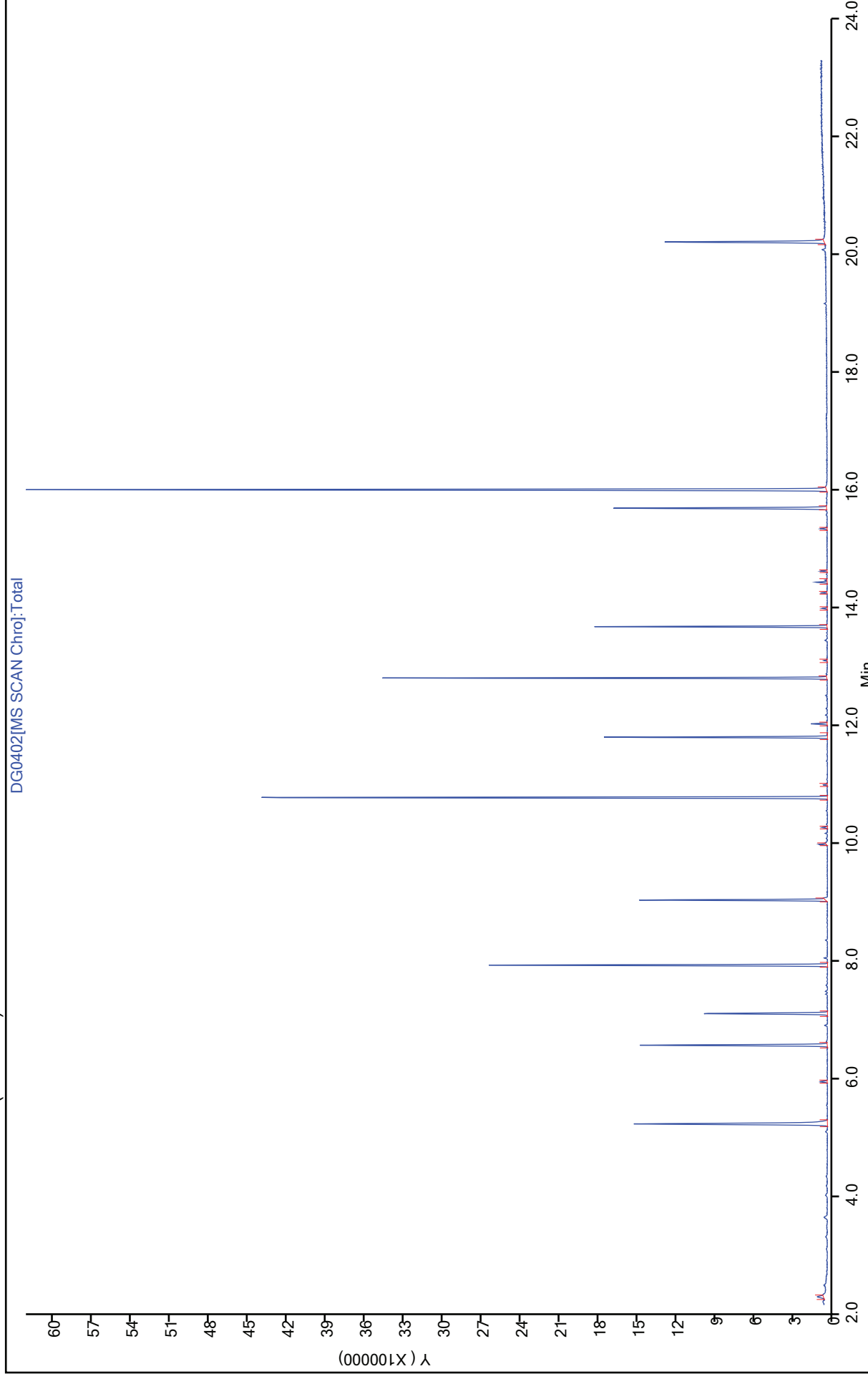
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0402.D

Injection Date: 08-Jul-2020 22:12:30

Instrument ID: HP19760

Lims ID: MB 410-19318/1-A

Client ID:

Operator ID: sw30417

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 1.0 ul

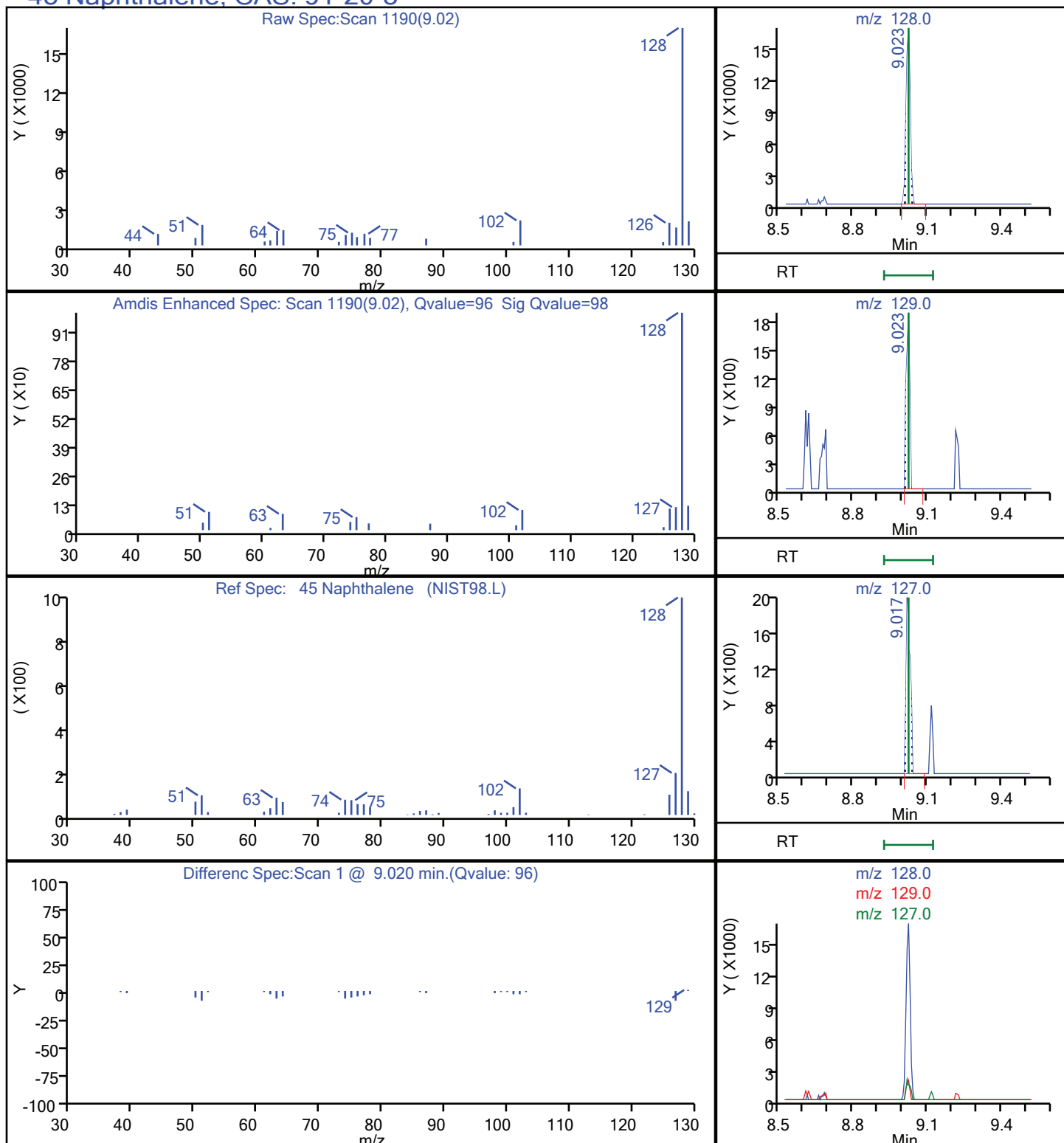
Dil. Factor: 1.0000

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

45 Naphthalene, CAS: 91-20-3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-19320/1-A

Matrix: Water Lab File ID: DG0153.D

Analysis Method: 8270D Date Collected: _____

Extract. Method: 3510C Date Extracted: 07/04/2020 07:28

Sample wt/vol: 250 (mL) Date Analyzed: 07/06/2020 11:55

Con. Extract Vol.: 1 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	101		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0153.D
 Lims ID: MB 410-19320/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Jul-2020 11:55:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 410-19320/1-A
 Misc. Info.: 410-0004873-004
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: monbornee

Date: 06-Jul-2020 12:46:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	6.000	5.995	0.005	97	220154	5.00	5.00	
\$ 33 Nitrobenzene-d5	82	6.846	6.846	-0.005	90	1213349	25.1	16.1	
* 44 Naphthalene-d8	136	7.941	7.941	0.000	99	823975	5.00	5.00	
45 Naphthalene	128		7.971					ND	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.702	9.696	0.000	99	1782785	25.1	16.0	
75 Acenaphthylene	152		10.489					ND	
* 77 Acenaphthene-d10	164	10.722	10.722	0.000	98	358464	5.00	5.00	
78 Acenaphthene	153		10.774					ND	
89 Fluorene	166		11.590					ND	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	97	641570	5.00	5.00	
112 Phenanthrene	178		12.756					ND	U
113 Anthracene	178		12.820					ND	
121 Fluoranthene	202		14.260					ND	
* 123 Pyrene-d10 (IS)	212	14.545	14.545	0.000	99	581855	5.00	5.00	
124 Pyrene	202		14.569					ND	
\$ 125 p-Terphenyl-d14	244	14.872	14.866	0.000	98	2233304	25.1	25.3	
132 Benzo[a]anthracene	228		16.475					ND	U
134 Chrysene	228		16.533					ND	
138 Benzo[b]fluoranthene	252		18.270					ND	
140 Benzo[k]fluoranthene	252		18.322					ND	
141 Benzo[a]pyrene	252		18.777					ND	
* 142 Perylene-d12	264	18.864	18.864	0.000	96	477555	5.00	5.00	
146 Indeno[1,2,3-cd]pyrene	276		20.444					ND	
147 Dibenzo[a,h]anthracene	278		20.496					ND	
148 Benzo[g,h,i]perylene	276		20.794					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0153.D

Injection Date: 06-Jul-2020 11:55:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: MB 410-19320/1-A

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

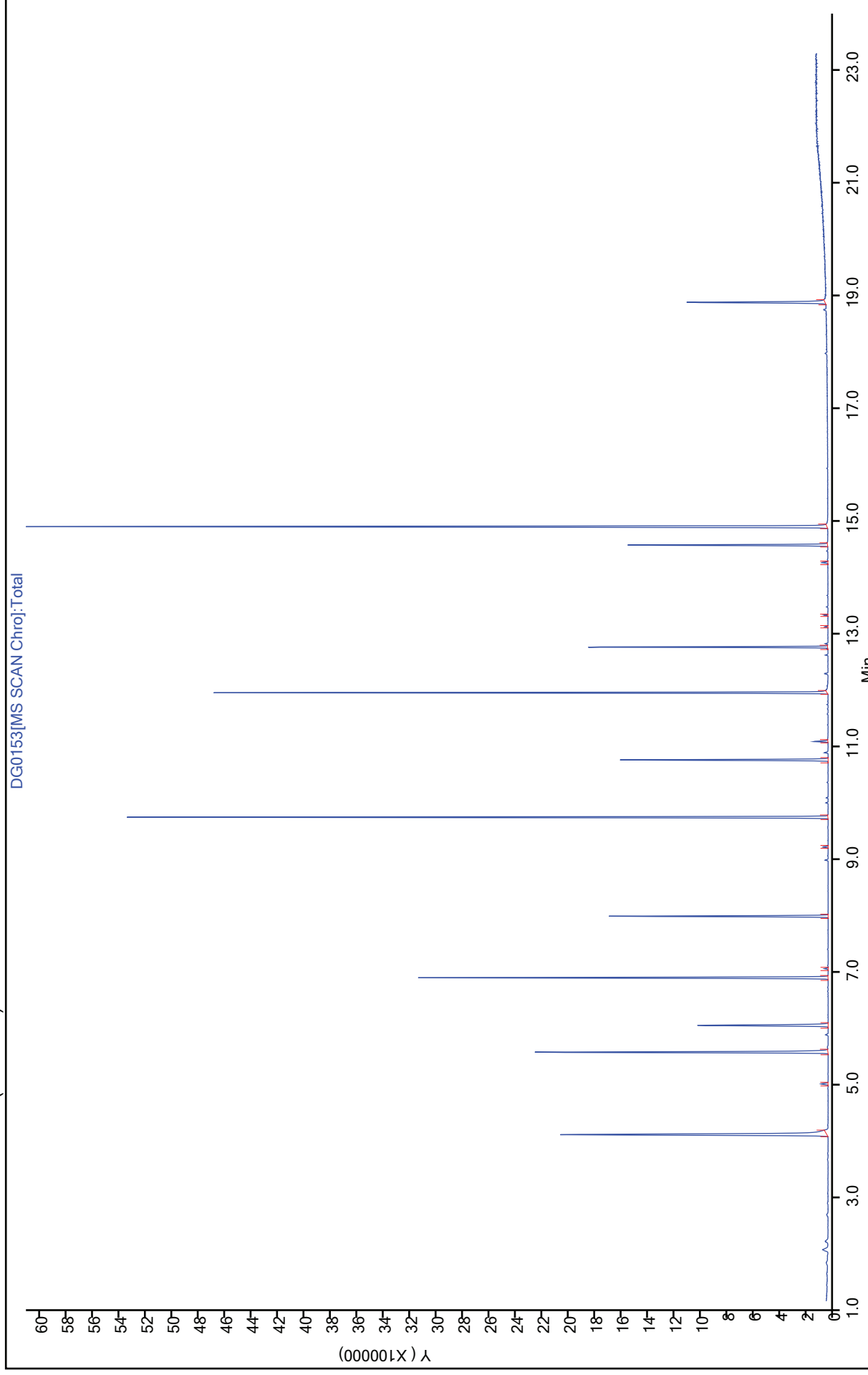
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0153.D

Injection Date: 06-Jul-2020 11:55:30

Instrument ID: HP19760

Lims ID: MB 410-19320/1-A

Client ID:

Operator ID: em10340

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: MSSemi_HP19760

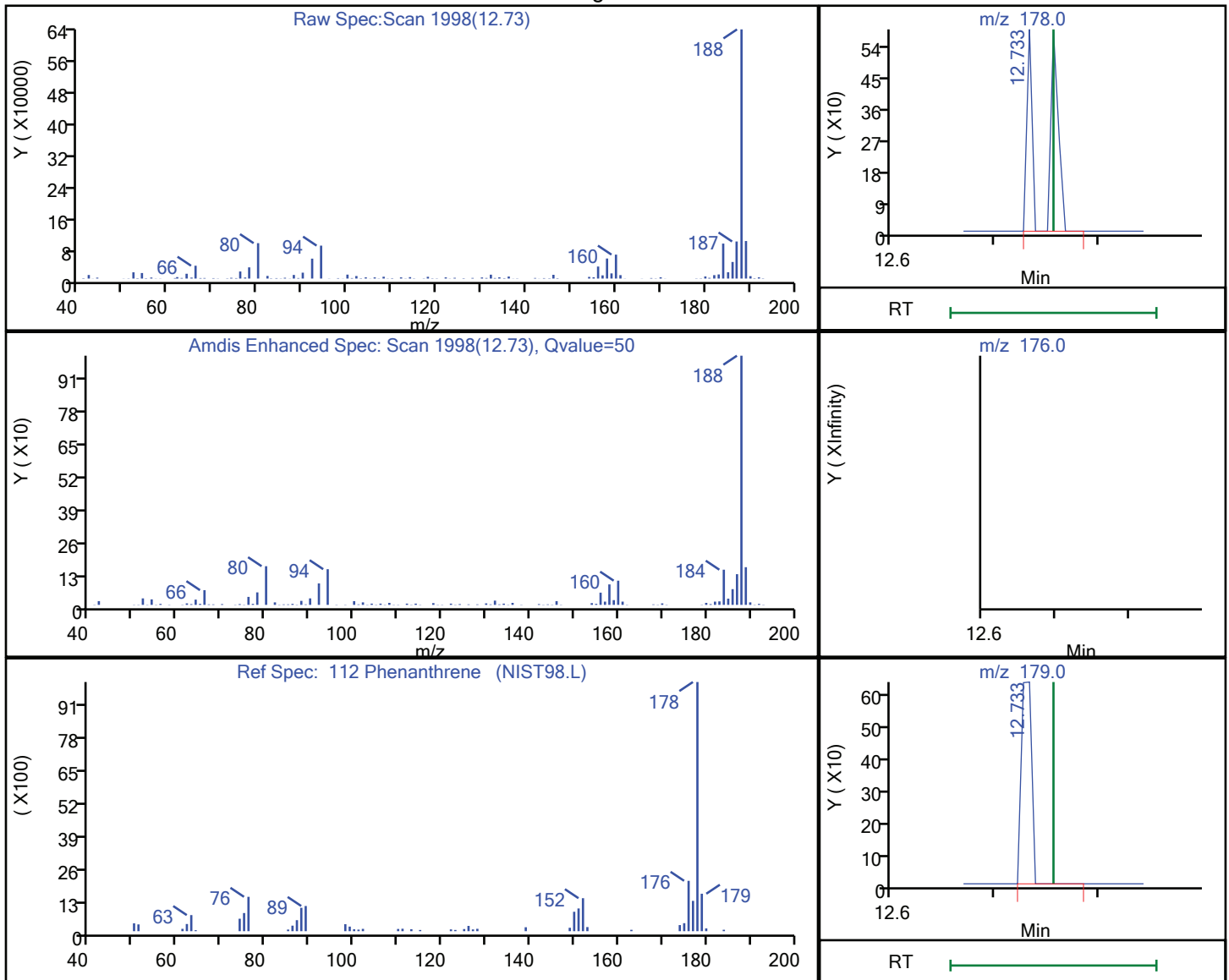
Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

Detector: MS SCAN

112 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
12.73	178.00	501	0.003436
12.76	176.00	0	
12.73	179.00	442	

Reviewer: monbornee, 06-Jul-2020 12:23:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 410-19318/2-A
 Matrix: Water Lab File ID: DG0403.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:23
 Sample wt/vol: 250 (mL) Date Analyzed: 07/08/2020 22:41
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	41.4		0.50	0.10
208-96-8	Acenaphthylene	40.6		0.50	0.10
120-12-7	Anthracene	44.8		0.50	0.10
56-55-3	Benzo[a]anthracene	47.0		0.50	0.10
50-32-8	Benzo[a]pyrene	46.7		0.50	0.10
205-99-2	Benzo[b]fluoranthene	48.7		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	48.4		0.50	0.10
207-08-9	Benzo[k]fluoranthene	48.0		0.50	0.10
218-01-9	Chrysene	43.5		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	50.6		0.50	0.10
206-44-0	Fluoranthene	46.6		0.50	0.10
86-73-7	Fluorene	42.9		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	47.2		0.50	0.10
91-20-3	Naphthalene	38.3		0.50	0.10
85-01-8	Phenanthrene	45.1		0.50	0.10
129-00-0	Pyrene	43.1		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	79		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	80		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	93		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0403.D
 Lims ID: LCS 410-19318/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Jul-2020 22:41:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 410-19318/2-A
 Misc. Info.: 410-0005114-004
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 08:44:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	90	194288	5.00	5.00	
\$ 33 Nitrobenzene-d5	82	7.880	7.886	-0.006	83	1507530	25.1	20.0	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	99	753233	5.00	5.00	
45 Naphthalene	128	9.023	9.023	0.000	93	1644393	12.6	9.58	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.737	10.737	0.001	96	2150895	25.1	19.9	
75 Acenaphthylene	152	11.553	11.553	0.000	93	1405793	12.5	10.2	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	94	360012	5.00	5.00	
78 Acenaphthene	153	11.809	11.809	0.000	93	1047739	12.5	10.4	
89 Fluorene	166	12.479	12.479	0.000	79	1141825	12.5	10.7	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	664772	5.00	5.00	
112 Phenanthrene	178	13.674	13.674	-0.006	95	1776752	12.5	11.3	
113 Anthracene	178	13.744	13.744	-0.006	97	1759273	12.5	11.2	
121 Fluoranthene	202	15.347	15.347	0.000	99	2064797	12.5	11.6	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	98	715945	5.00	5.00	
124 Pyrene	202	15.691	15.685	-0.006	96	2127985	12.6	10.8	
\$ 125 p-Terphenyl-d14	244	15.976	15.982	-0.006	97	2748079	25.1	23.3	
132 Benzo[a]anthracene	228	17.713	17.713	-0.006	99	1895083	12.5	11.8	
134 Chrysene	228	17.778	17.777	-0.005	93	1854429	12.5	10.9	
138 Benzo[b]fluoranthene	252	19.579	19.573	-0.005	97	1879616	12.5	12.2	
140 Benzo[k]fluoranthene	252	19.631	19.619	-0.006	99	1858690	12.5	12.0	
141 Benzo[a]pyrene	252	20.109	20.109	0.000	76	1648653	12.5	11.7	
* 142 Perylene-d12	264	20.196	20.202	-0.006	97	604599	5.00	5.00	
146 Indeno[1,2,3-cd]pyrene	276	21.823	21.816	-0.005	94	1230958	12.6	11.8	
147 Dibenzo(a,h)anthracene	278	21.863	21.857	-0.006	73	1404813	12.5	12.6	
148 Benzo[g,h,i]perylene	276	22.225	22.218	-0.006	94	1367997	12.5	12.1	

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0403.D

Injection Date: 08-Jul-2020 22:41:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: LCS 410-19318/2-A

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

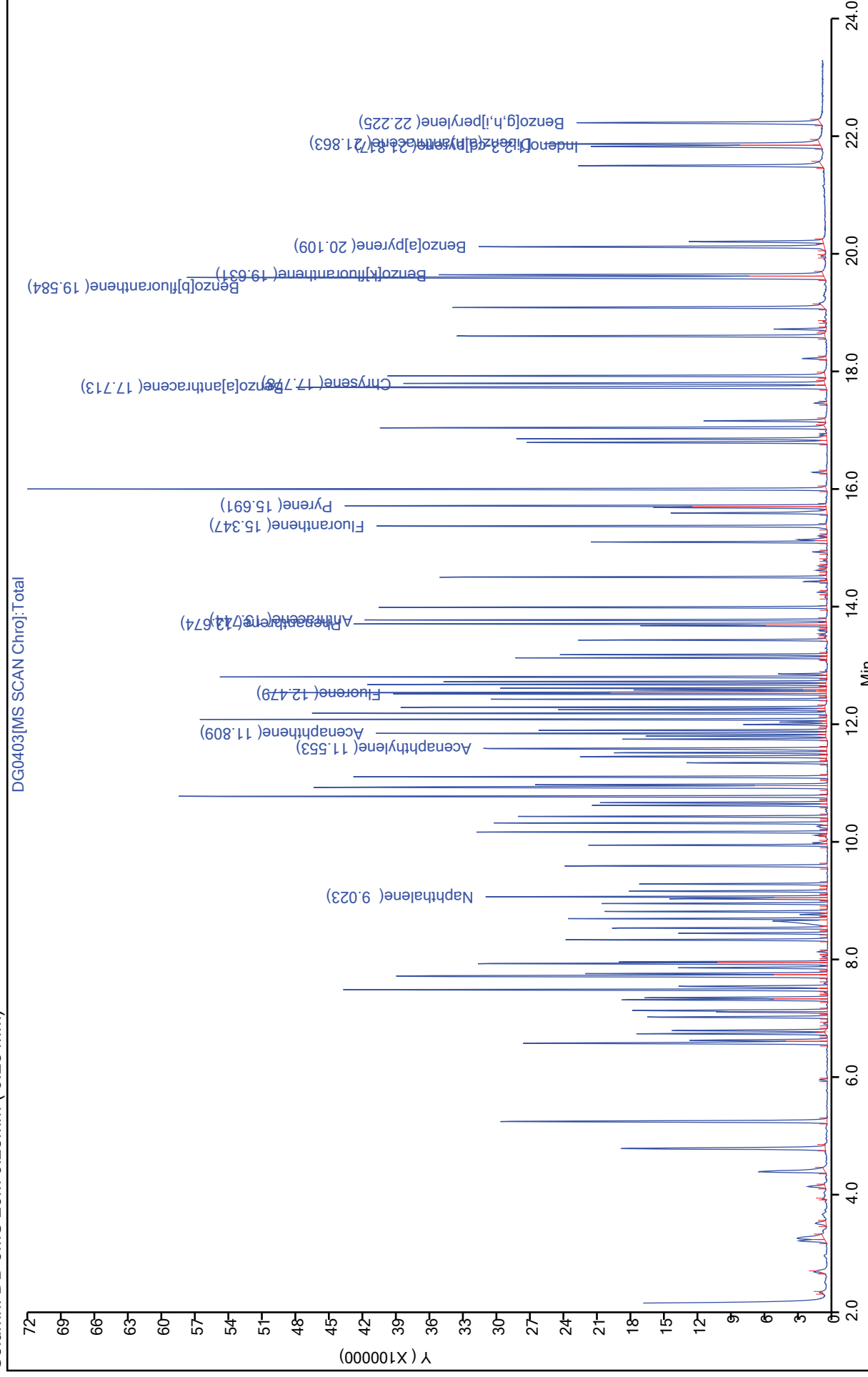
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 410-19320/2-A
 Matrix: Water Lab File ID: DG0154.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:28
 Sample wt/vol: 250 (mL) Date Analyzed: 07/06/2020 12:23
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	42.7		0.50	0.10
208-96-8	Acenaphthylene	40.2		0.50	0.10
120-12-7	Anthracene	46.6		0.50	0.10
56-55-3	Benzo[a]anthracene	51.8		0.50	0.10
50-32-8	Benzo[a]pyrene	48.9		0.50	0.10
205-99-2	Benzo[b]fluoranthene	51.2		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	45.2		0.50	0.10
207-08-9	Benzo[k]fluoranthene	52.4		0.50	0.10
218-01-9	Chrysene	49.7		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	45.1		0.50	0.10
206-44-0	Fluoranthene	47.1		0.50	0.10
86-73-7	Fluorene	46.4		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	45.4		0.50	0.10
91-20-3	Naphthalene	37.0		0.50	0.10
85-01-8	Phenanthrene	47.8		0.50	0.10
129-00-0	Pyrene	48.0		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	79		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	80		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	103		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0154.D
 Lims ID: LCS 410-19320/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Jul-2020 12:23:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 410-19320/2-A
 Misc. Info.: 410-0004873-005
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: williamss

Date: 06-Jul-2020 19:22:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	215122	5.00	5.00	
\$ 33 Nitrobenzene-d5	82	6.846	6.846	-0.005	90	1494591	25.1	20.0	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	99	816164	5.00	5.00	
45 Naphthalene	128	7.971	7.965	0.000	98	1681030	12.6	9.26	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.702	9.696	0.000	100	2221950	25.1	19.7	
75 Acenaphthylene	152	10.489	10.483	0.000	98	1483784	12.5	10.1	
* 77 Acenaphthene-d10	164	10.722	10.722	0.000	96	363075	5.00	5.00	
78 Acenaphthene	153	10.768	10.768	-0.006	96	1085483	12.5	10.7	
89 Fluorene	166	11.584	11.584	-0.006	95	1249170	12.5	11.6	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	97	653656	5.00	5.00	
112 Phenanthrene	178	12.756	12.750	0.000	99	1776368	12.5	12.0	
113 Anthracene	178	12.814	12.814	-0.006	99	1734349	12.5	11.7	
121 Fluoranthene	202	14.260	14.253	0.000	99	1986288	12.5	11.8	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	638160	5.00	5.00	
124 Pyrene	202	14.569	14.563	0.000	96	2108231	12.6	12.0	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	2494552	25.1	25.8	
132 Benzo[a]anthracene	228	16.475	16.468	0.000	99	1780583	12.5	13.0	
134 Chrysene	228	16.527	16.526	-0.006	97	1793431	12.5	12.4	
138 Benzo[b]fluoranthene	252	18.264	18.264	-0.006	98	1730810	12.5	12.8	
140 Benzo[k]fluoranthene	252	18.316	18.317	-0.006	98	1795814	12.5	13.1	
141 Benzo[a]pyrene	252	18.771	18.771	-0.006	81	1581856	12.5	12.2	
* 142 Perylene-d12	264	18.858	18.864	-0.006	95	569733	5.00	5.00	
146 Indeno[1,2,3-cd]pyrene	276	20.438	20.437	-0.006	96	1237481	12.6	11.4	
147 Dibenzo(a,h)anthracene	278	20.490	20.490	-0.006	96	1314427	12.5	11.3	
148 Benzo[g,h,i]perylene	276	20.788	20.787	-0.006	96	1342021	12.5	11.3	

Reagents:

MSS_RV8270_IS_00011

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0154.D

Injection Date: 06-Jul-2020 12:23:30

Instrument ID: HP19760

Operator ID: em10340

Lims ID: LCS 410-19320/2-A

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

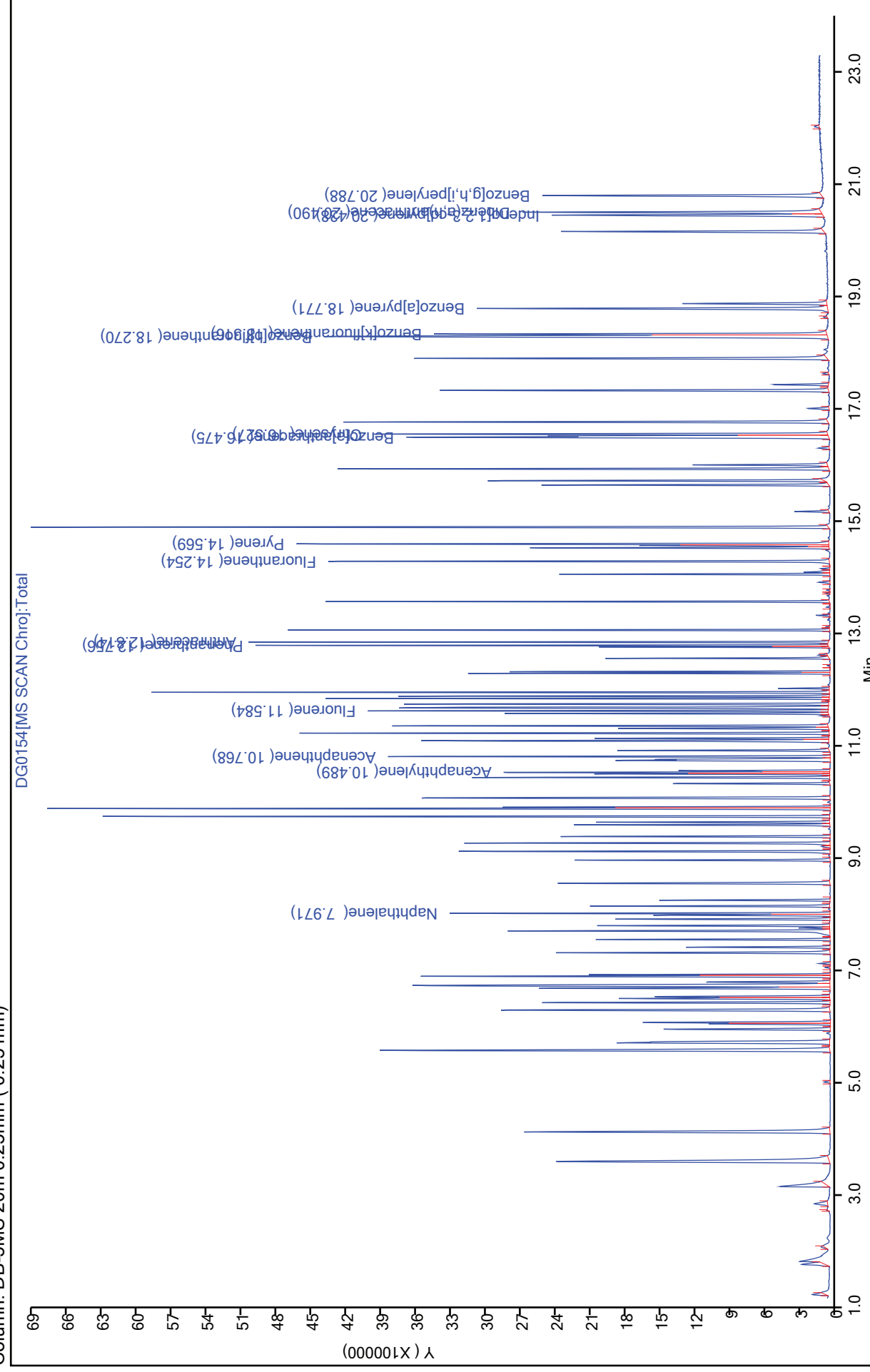
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: MSSemi_HP19760

Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 410-19320/3-A
 Matrix: Water Lab File ID: DG0155.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 07/04/2020 07:28
 Sample wt/vol: 250 (mL) Date Analyzed: 07/06/2020 12:52
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 19473 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	43.3		0.50	0.10
208-96-8	Acenaphthylene	41.4		0.50	0.10
120-12-7	Anthracene	46.9		0.50	0.10
56-55-3	Benzo[a]anthracene	52.4		0.50	0.10
50-32-8	Benzo[a]pyrene	47.8		0.50	0.10
205-99-2	Benzo[b]fluoranthene	50.5		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	44.5		0.50	0.10
207-08-9	Benzo[k]fluoranthene	51.0		0.50	0.10
218-01-9	Chrysene	48.3		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	44.0		0.50	0.10
206-44-0	Fluoranthene	46.6		0.50	0.10
86-73-7	Fluorene	47.7		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	43.9		0.50	0.10
91-20-3	Naphthalene	38.4		0.50	0.10
85-01-8	Phenanthrene	47.9		0.50	0.10
129-00-0	Pyrene	48.2		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	81		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	80		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	104		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\DG0155.D
 Lims ID: LCSD 410-19320/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 06-Jul-2020 12:52:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 410-19320/3-A
 Misc. Info.: 410-0004873-006
 Operator ID: em10340 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200706-4873.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 06-Jul-2020 19:38:45 Calib Date: 30-Jun-2020 12:58:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200630-4541.b\DF3067.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1019

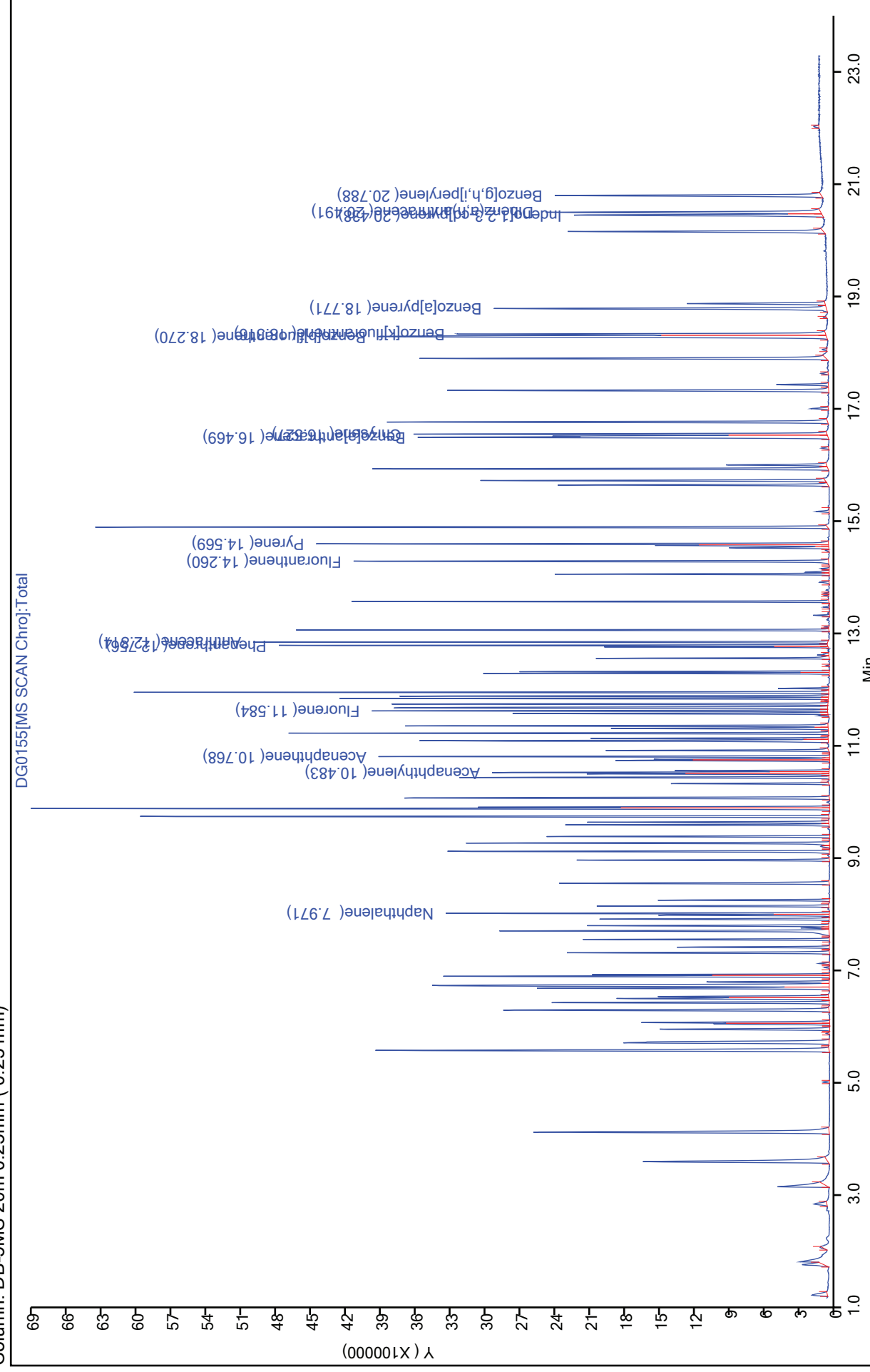
First Level Reviewer: williamss

Date: 06-Jul-2020 19:24:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	5.995	5.995	0.000	97	214148	5.00	5.00	
\$ 33 Nitrobenzene-d5	82	6.846	6.846	-0.005	90	1460166	25.1	20.1	
* 44 Naphthalene-d8	136	7.936	7.941	-0.005	99	793592	5.00	5.00	
45 Naphthalene	128	7.971	7.965	0.000	98	1693549	12.6	9.59	
\$ 63 2-Fluorobiphenyl (Surr)	172	9.702	9.696	0.000	99	2217856	25.1	20.2	
75 Acenaphthylene	152	10.483	10.483	-0.006	98	1488823	12.5	10.3	
* 77 Acenaphthene-d10	164	10.722	10.722	0.000	96	354331	5.00	5.00	
78 Acenaphthene	153	10.768	10.768	-0.006	96	1075595	12.5	10.8	
89 Fluorene	166	11.584	11.584	-0.006	96	1251956	12.5	11.9	
* 110 Phenanthrene-d10	188	12.727	12.727	0.000	97	635858	5.00	5.00	
112 Phenanthrene	178	12.756	12.750	0.000	99	1729515	12.5	12.0	
113 Anthracene	178	12.814	12.814	-0.006	99	1696642	12.5	11.7	
121 Fluoranthene	202	14.260	14.253	0.000	99	1908691	12.5	11.6	
* 123 Pyrene-d10 (IS)	212	14.539	14.545	-0.006	99	603427	5.00	5.00	
124 Pyrene	202	14.569	14.563	0.000	97	2003982	12.6	12.1	
\$ 125 p-Terphenyl-d14	244	14.866	14.866	-0.006	98	2378279	25.1	26.0	
132 Benzo[a]anthracene	228	16.469	16.468	-0.006	99	1701934	12.5	13.1	
134 Chrysene	228	16.527	16.526	-0.006	97	1649074	12.5	12.1	
138 Benzo[b]fluoranthene	252	18.264	18.264	-0.006	98	1671276	12.5	12.6	
140 Benzo[k]fluoranthene	252	18.316	18.317	-0.006	98	1712380	12.5	12.8	
141 Benzo[a]pyrene	252	18.771	18.771	-0.006	80	1514493	12.5	12.0	
* 142 Perylene-d12	264	18.859	18.864	-0.006	95	557607	5.00	5.00	
146 Indeno[1,2,3-cd]pyrene	276	20.438	20.437	-0.006	96	1170896	12.6	11.0	
147 Dibenzo(a,h)anthracene	278	20.491	20.490	-0.005	96	1255369	12.5	11.0	
148 Benzo[g,h,i]perylene	276	20.788	20.787	-0.006	94	1293053	12.5	11.1	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-10D-20200629 MS Lab Sample ID: 410-6533-3 MS

Matrix: Ground Water Lab File ID: DG0417.D

Analysis Method: 7280D Date Collected: 06/29/2020 14:46

Extract. Method: 3510C Date Extracted: 08/04/2020 08:23

Sample wt/vol: 240 (mL) Date Analyzed: 08/09/2020 05:46

Con. Extract Vol.: 1 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20597 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
73-32-9	Acenaphthene	38.9		0.52	0.10
207-96-7	Acenaphthylene	37.0		0.52	0.10
120-12-8	Anthracene	42.9		0.52	0.10
56-55-3	Benzo[a]anthracene	48.0		0.52	0.10
50-32-7	Benzo[a]pyrene	45.5		0.52	0.10
205-99-2	Benzo[b]fluoranthene	45.4		0.52	0.10
191-24-2	Benzo[g,h,i]perylene	43.5		0.52	0.10
208-07-9	Benzo[k]fluoranthene	45.7		0.52	0.10
217-01-9	Chrysene	43.4		0.52	0.10
53-80-3	Dibenz(a,h)anthracene	46.7		0.52	0.10
206-44-0	Fluoranthene	45.2		0.52	0.10
76-83-8	Fluorene	41.0		0.52	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	44.4		0.52	0.10
91-20-3	Naphthalene	34.5		0.52	0.10
75-01-7	Phenanthrene	43.1		0.52	0.10
129-00-0	Pyrene	41.8		0.52	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-7	2-Fluorobiphenyl (Surr)	81		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	81		37-113
1817-51-0	p-Terphenyl-d14 (Surr)	73		34-127

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0418.D
 Lims ID: 410-6533-D-3-A MS
 Client ID: MW-10D-20200629
 Sample Type: MS
 Inject. Date: 09-Jul-2020 05:46:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-3-A MS
 Misc. Info.: 410-0005114-019
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:53:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	179378	5.00	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	88	1256093	25.1	17.8	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	99	705767	5.00	5.00	
45 Naphthalene	128	9.023	9.023	0.000	98	1332602	12.6	8.29	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.737	10.737	0.001	100	1866219	25.1	17.9	
75 Acenaphthylene	152	11.553	11.553	0.000	99	1219949	12.5	9.11	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	348410	5.00	5.00	
78 Acenaphthene	153	11.809	11.809	0.000	96	889197	12.5	9.09	
89 Fluorene	166	12.479	12.479	0.000	93	1013059	12.5	9.84	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	651874	5.00	5.00	
112 Phenanthrene	178	13.674	13.674	-0.006	98	1600866	12.5	10.4	
113 Anthracene	178	13.744	13.744	-0.006	99	1586154	12.5	10.3	
121 Fluoranthene	202	15.341	15.347	-0.006	99	1886865	12.5	10.8	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	707840	5.00	5.00	
124 Pyrene	202	15.691	15.685	-0.006	96	1952274	12.6	10.0	
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.005	98	2429034	25.1	20.8	
132 Benzo[a]anthracene	228	17.714	17.713	-0.005	100	1796648	12.5	11.3	
134 Chrysene	228	17.778	17.777	-0.005	97	1755041	12.5	10.4	
138 Benzo[b]fluoranthene	252	19.579	19.573	-0.005	98	1782217	12.5	10.9	
140 Benzo[k]fluoranthene	252	19.625	19.619	-0.012	99	1800715	12.5	11.0	
141 Benzo[a]pyrene	252	20.103	20.109	-0.006	79	1634391	12.5	10.9	
* 142 Perylene-d12	264	20.197	20.202	-0.005	97	640265	5.00	5.00	
146 Indeno[1,2,3-cd]pyrene	276	21.817	21.816	-0.011	98	1176761	12.6	10.7	
147 Dibenzo(a,h)anthracene	278	21.858	21.857	-0.011	94	1320212	12.5	11.2	
148 Benzo[g,h,i]perylene	276	22.219	22.218	-0.012	95	1250515	12.5	10.4	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0418.D

Injection Date: 09-Jul-2020 05:46:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-3-A MS

Worklist Smp#: 19

Client ID: MW-10D-20200629

Injection Vol: 1.0 ul

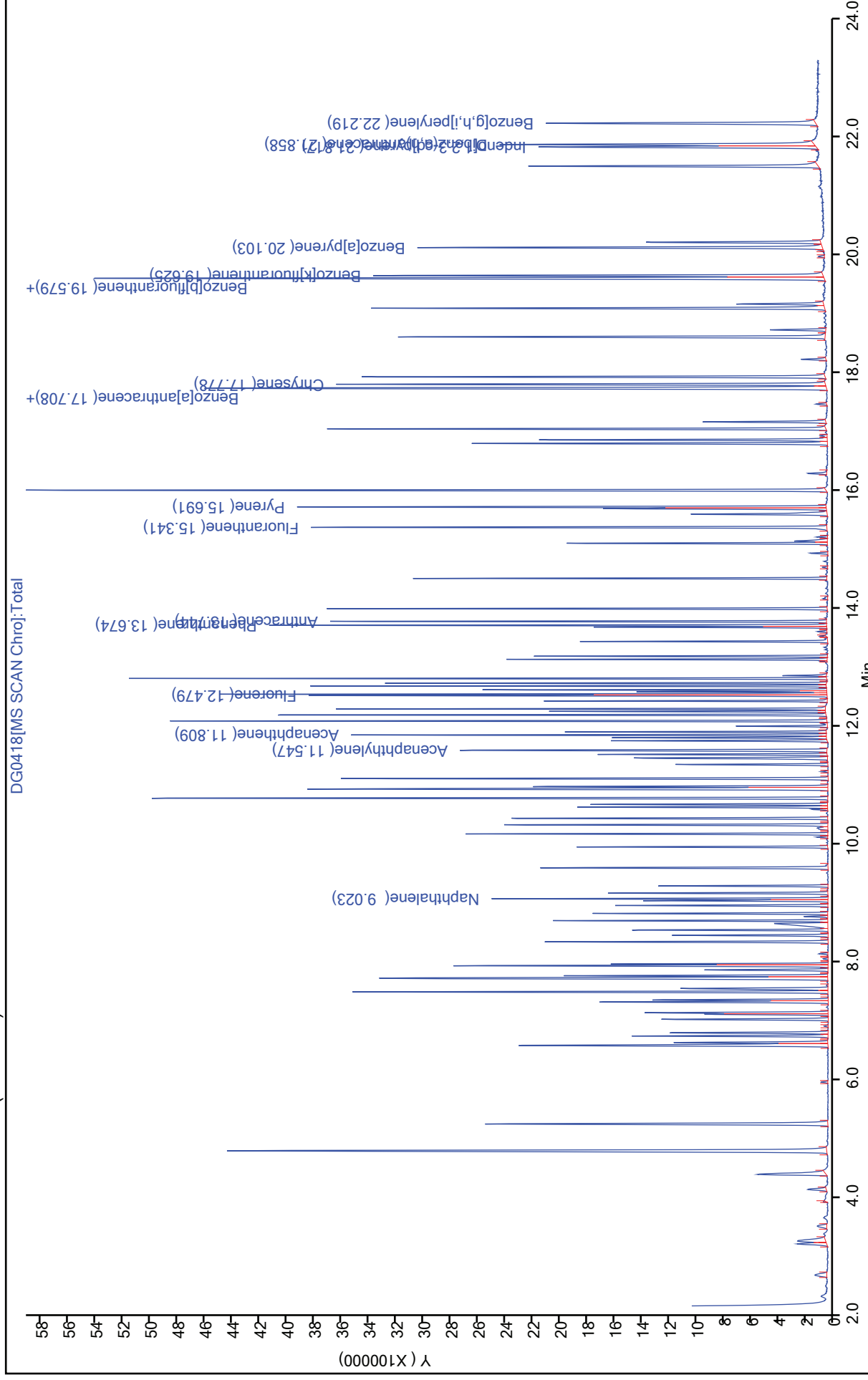
ALS Bottle#: 19

Method: MSSemi_HP19760

Dil. Factor: 1.0000

Column: DB-5MS 20m 0.25mm (0.25 mm)

Limit Group: MSSV - 8270D_E_LVI



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-6533-1

SDG No.: _____

Client Sample ID: MW-10D-20200629 MSD Lab Sample ID: 410-6533-3 MSD

Matrix: Ground Water Lab File ID: DG0419.D

Analysis Method: 8270D Date Collected: 06/29/2020 14:46

Extract. Method: 3510C Date Extracted: 07/04/2020 07:23

Sample wt/vol: 238(mL) Date Analyzed: 07/09/2020 06:14

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 20598 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	43.0		0.53	0.11
208-96-8	Acenaphthylene	42.8		0.53	0.11
120-12-7	Anthracene	47.5		0.53	0.11
56-55-3	Benzo[a]anthracene	52.0		0.53	0.11
50-32-8	Benzo[a]pyrene	50.2		0.53	0.11
205-99-2	Benzo[b]fluoranthene	50.0		0.53	0.11
191-24-2	Benzo[g,h,i]perylene	47.3		0.53	0.11
207-08-9	Benzo[k]fluoranthene	51.1		0.53	0.11
218-01-9	Chrysene	47.1		0.53	0.11
53-70-3	Dibenz(a,h)anthracene	52.1		0.53	0.11
206-44-0	Fluoranthene	50.1		0.53	0.11
86-73-7	Fluorene	46.5		0.53	0.11
193-39-5	Indeno[1,2,3-cd]pyrene	48.3		0.53	0.11
91-20-3	Naphthalene	38.1		0.53	0.11
85-01-8	Phenanthrene	47.4		0.53	0.11
129-00-0	Pyrene	46.3		0.53	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	80		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	78		38-113
1718-51-0	p-Terphenyl-d14 (Surr)	93		34-128

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0419.D
 Lims ID: 410-6533-D-3-B MSD
 Client ID: MW-10D-20200629
 Sample Type: MSD
 Inject. Date: 09-Jul-2020 06:14:30 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 410-6533-D-3-B MSD
 Misc. Info.: 410-0005114-020
 Operator ID: sw30417 Instrument ID: HP19760
 Method: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\MSSemi_HP19760.m
 Limit Group: MSSV - 8270D_E LVI
 Last Update: 09-Jul-2020 12:54:42 Calib Date: 08-Jul-2020 11:48:30
 Integrator: Falcon ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5043.b\DG0358.D
 Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
 Process Host: CTX1045

First Level Reviewer: monbornee

Date: 09-Jul-2020 12:53:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 19 1,4-Dichlorobenzene-d4	152	7.059	7.059	0.000	97	199412	5.00	5.00	
\$ 33 Nitrobenzene-d5	82	7.881	7.886	-0.005	87	1523044	25.1	19.7	
* 44 Naphthalene-d8	136	8.988	8.994	-0.006	100	772688	5.00	5.00	
45 Naphthalene	128	9.023	9.023	0.000	98	1595904	12.6	9.07	
\$ 63 2-Fluorobiphenyl (Surr)	172	10.737	10.737	0.001	99	2253260	25.1	20.2	
75 Acenaphthylene	152	11.553	11.553	0.000	99	1458077	12.5	10.2	
* 77 Acenaphthene-d10	164	11.762	11.762	0.000	97	372751	5.00	5.00	
78 Acenaphthene	153	11.809	11.809	0.000	96	1071378	12.5	10.2	
89 Fluorene	166	12.479	12.479	0.000	94	1219308	12.5	11.1	
* 110 Phenanthrene-d10	188	13.645	13.651	-0.006	97	707242	5.00	5.00	
112 Phenanthrene	178	13.674	13.674	-0.006	98	1891590	12.5	11.3	
113 Anthracene	178	13.744	13.744	-0.006	99	1891236	12.5	11.3	
121 Fluoranthene	202	15.347	15.347	0.000	99	2248066	12.5	11.9	
* 123 Pyrene-d10 (IS)	212	15.662	15.662	0.000	99	768728	5.00	5.00	
124 Pyrene	202	15.691	15.685	-0.006	96	2334610	12.6	11.0	
\$ 125 p-Terphenyl-d14	244	15.977	15.982	-0.005	98	2955358	25.1	23.3	
132 Benzo[a]anthracene	228	17.719	17.713	0.000	100	2140961	12.5	12.4	
134 Chrysene	228	17.778	17.777	-0.005	97	2051620	12.5	11.2	
138 Benzo[b]fluoranthene	252	19.579	19.573	-0.005	98	2090259	12.5	11.9	
140 Benzo[k]fluoranthene	252	19.631	19.619	-0.006	99	2140124	12.5	12.2	
141 Benzo[a]pyrene	252	20.109	20.109	0.000	80	1921889	12.5	12.0	
* 142 Perylene-d12	264	20.196	20.202	-0.006	97	687913	5.00	5.00	
146 Indeno[1,2,3-cd]pyrene	276	21.817	21.816	-0.011	98	1363612	12.6	11.5	
147 Dibenzo(a,h)anthracene	278	21.858	21.857	-0.011	94	1566476	12.5	12.4	
148 Benzo[g,h,i]perylene	276	22.219	22.218	-0.012	95	1448857	12.5	11.3	

Reagents:

MSS_RV8270_IS_00011 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20200708-5114.b\DG0419.D

Injection Date: 09-Jul-2020 06:14:30

Instrument ID: HP19760

Operator ID: sw30417

Lims ID: 410-6533-D-3-B MSD

Worklist Smp#: 20

Client ID: MW-10D-20200629

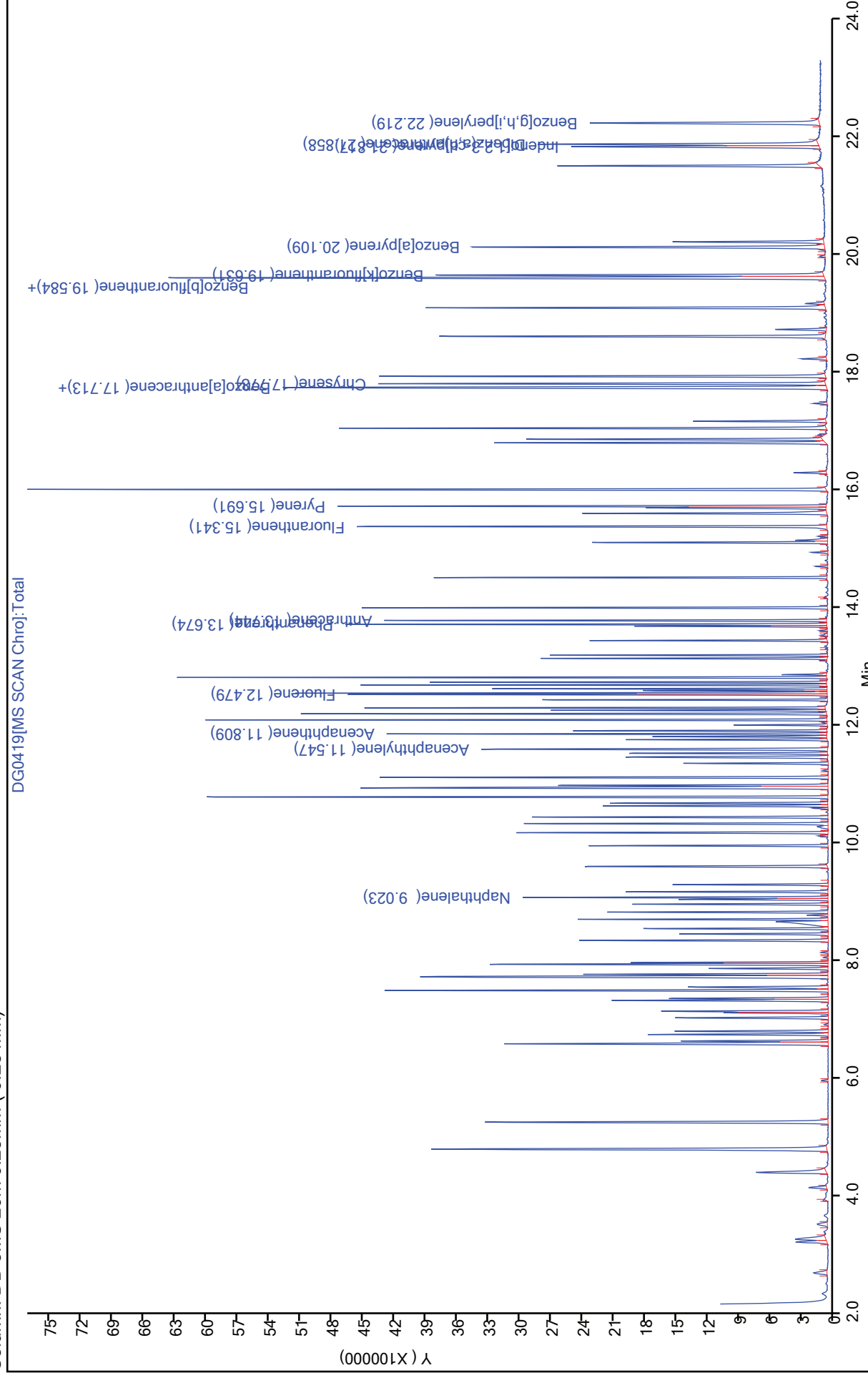
Injection Vol: 1.0 ul

ALS Bottle#: 20

Method: MSSemi_HP19760

Dil. Factor: 1.0000
Limit Group: MSSV - 8270D_E_LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760Start Date: 04/15/2020 15:22Analysis Batch Number: 10557End Date: 04/16/2020 00:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-10557/1		04/15/2020 15:22	1	DD0630.D	DB-5MS 30m 0.25 0.25 (mm)
ICIS 410-10557/2		04/15/2020 15:41	1	DD0631.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-10557/3		04/15/2020 19:18	1	DD0632.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-10557/4		04/15/2020 19:46	1	DD0633.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-10557/5		04/15/2020 20:14	1	DD0634.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-10557/6		04/15/2020 20:42	1	DD0635.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-10557/7		04/15/2020 21:11	1	DD0636.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-10557/8		04/15/2020 21:39	1	DD0637.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-10557/9		04/15/2020 22:07	1	DD0638.D	DB-5MS 30m 0.25 0.25 (mm)
ICVL 410-10557/10		04/15/2020 22:35	1		DB-5MS 30m 0.25 0.25 (mm)
ICVL 410-10557/11		04/15/2020 23:03	1		DB-5MS 30m 0.25 0.25 (mm)
ICV 410-10557/12		04/15/2020 23:31	1	DD0641.D	DB-5MS 30m 0.25 0.25 (mm)
ICV 410-10557/13		04/15/2020 23:59	1	DD0642.D	DB-5MS 30m 0.25 0.25 (mm)
ICV 410-10557/14		04/16/2020 00:28	1	DD0643.D	DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760Start Date: 06/11/2020 11:53Analysis Batch Number: 12193End Date: 06/11/2020 23:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-12193/1		06/11/2020 11:53	1	DF0750a.D	DB-5MS 30m 0.25 0.25 (mm)
CCVIS 410-12193/2		06/11/2020 12:26	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 13:23	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 13:52	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 14:20	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 14:48	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 15:17	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 15:45	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 16:14	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 16:42	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 17:10	50		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 17:39	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 18:07	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 18:35	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 19:03	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 19:32	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 20:00	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 20:28	10		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 20:56	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 21:24	10		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 21:53	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 22:21	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 22:49	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		06/11/2020 23:18	1		DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760Start Date: 07/06/2020 08:42Analysis Batch Number: 19473End Date: 07/06/2020 18:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-19473/1		07/06/2020 08:42	1	DG0150a.D	DB-5MS 30m 0.25 0.25 (mm)
CCVIS 410-19473/2		07/06/2020 09:05	1	DG0151.D	DB-5MS 30m 0.25 0.25 (mm)
ICVL 410-19473/3		07/06/2020 10:14	1		DB-5MS 30m 0.25 0.25 (mm)
MB 410-19320/1-A		07/06/2020 11:55	1	DG0153.D	DB-5MS 30m 0.25 0.25 (mm)
LCS 410-19320/2-A		07/06/2020 12:23	1	DG0154.D	DB-5MS 30m 0.25 0.25 (mm)
LCSD 410-19320/3-A		07/06/2020 12:52	1	DG0155.D	DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/06/2020 13:22	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/06/2020 13:51	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/06/2020 14:20	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/06/2020 14:50	5		DB-5MS 30m 0.25 0.25 (mm)
410-6533-13		07/06/2020 15:19	1	DG0159.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-14		07/06/2020 15:49	1	DG0160.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-15		07/06/2020 16:18	1	DG0161.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-16		07/06/2020 16:48	1	DG0162.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-17		07/06/2020 17:18	1	DG0163.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-18		07/06/2020 17:47	1	DG0164.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-19		07/06/2020 18:16	1	DG0165.D	DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760 Start Date: 07/06/2020 21:22Analysis Batch Number: 19744 End Date: 07/07/2020 01:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-19744/1		07/06/2020 21:22	1	DG0200.D	DB-5MS 30m 0.25 0.25 (mm)
CCVIS 410-19744/2		07/06/2020 22:40	1	DG0201.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-20		07/06/2020 23:48	1	DG0202.D	DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/07/2020 00:17	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/07/2020 00:45	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/07/2020 01:43	1		DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760Start Date: 07/08/2020 07:51Analysis Batch Number: 20279End Date: 07/08/2020 14:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-20279/1		07/08/2020 07:51	1	DG0350.D	DB-5MS 30m 0.25 0.25 (mm)
ICIS 410-20279/2		07/08/2020 08:17	1	DG0351.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-20279/3		07/08/2020 08:57	1	DG0352.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-20279/4		07/08/2020 09:25	1	DG0353.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-20279/5		07/08/2020 09:53	1	DG0354.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-20279/6		07/08/2020 10:22	1	DG0355.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-20279/7		07/08/2020 10:51	1	DG0356.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-20279/8		07/08/2020 11:19	1	DG0357.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-20279/9		07/08/2020 11:48	1	DG0358.D	DB-5MS 30m 0.25 0.25 (mm)
ICVL 410-20279/10		07/08/2020 12:17	1		DB-5MS 30m 0.25 0.25 (mm)
ICVL 410-20279/11		07/08/2020 12:45	1		DB-5MS 30m 0.25 0.25 (mm)
ICV 410-20279/12		07/08/2020 13:14	1	DG0361.D	DB-5MS 30m 0.25 0.25 (mm)
ICV 410-20279/13		07/08/2020 13:43	1	DG0362.D	DB-5MS 30m 0.25 0.25 (mm)
ICV 410-20279/14		07/08/2020 14:11	1	DG0363.D	DB-5MS 30m 0.25 0.25 (mm)
ICV 410-20279/15		07/08/2020 14:40	1	DG0364.D	DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760Start Date: 07/08/2020 19:43Analysis Batch Number: 20598End Date: 07/09/2020 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-20598/1		07/08/2020 19:43	1	DG0400.D	DB-5MS 30m 0.25 0.25 (mm)
CCVIS 410-20598/2		07/08/2020 20:01	1	DG0401.D	DB-5MS 30m 0.25 0.25 (mm)
MB 410-19318/1-A		07/08/2020 22:12	1	DG0402.D	DB-5MS 30m 0.25 0.25 (mm)
LCS 410-19318/2-A		07/08/2020 22:41	1	DG0403.D	DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/08/2020 23:38	1		DB-5MS 30m 0.25 0.25 (mm)
410-6533-16 DL		07/09/2020 00:34	5	DG0407.D	DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 01:03	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 01:31	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 01:59	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 02:27	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 02:56	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 03:24	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 03:53	1		DB-5MS 30m 0.25 0.25 (mm)
410-6533-1		07/09/2020 04:21	1	DG0415.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-2		07/09/2020 04:49	1	DG0416.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-3		07/09/2020 05:18	1	DG0417.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-3 MS		07/09/2020 05:46	1	DG0418.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-3 MSD		07/09/2020 06:14	1	DG0419.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-4		07/09/2020 06:43	1	DG0420.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-5		07/09/2020 07:11	1	DG0421.D	DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760Start Date: 07/09/2020 07:53Analysis Batch Number: 20766End Date: 07/09/2020 16:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-20766/1		07/09/2020 07:53	1	DG0450.D	DB-5MS 30m 0.25 0.25 (mm)
CCVIS 410-20766/2		07/09/2020 08:06	1	DG0451.D	DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 09:44	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 10:13	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 10:42	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 11:10	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 11:39	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 12:07	10		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 12:36	10		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 13:05	10		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 13:33	10		DB-5MS 30m 0.25 0.25 (mm)
410-6533-6		07/09/2020 14:02	1	DG0461.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-7		07/09/2020 14:31	1	DG0462.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-8		07/09/2020 15:00	1	DG0463.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-9		07/09/2020 15:28	1	DG0464.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-10		07/09/2020 15:57	1	DG0465.D	DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 16:26	1		DB-5MS 30m 0.25 0.25 (mm)
ZZZZZ		07/09/2020 16:54	1		DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-6533-1

SDG No.: _____

Instrument ID: HP19760Start Date: 07/10/2020 10:49Analysis Batch Number: 21270End Date: 07/10/2020 18:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-21270/1		07/10/2020 10:49	1	DG0520.D	DB-5MS 30m 0.25 0.25 (mm)
CCVIS 410-21270/2		07/10/2020 11:15	1	DG0521.D	DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/3		07/10/2020 11:44	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/4		07/10/2020 12:12	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/5		07/10/2020 12:41	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/6		07/10/2020 13:09	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/7		07/10/2020 13:38	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/8		07/10/2020 14:06	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/9		07/10/2020 14:34	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/10		07/10/2020 15:03	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/11		07/10/2020 15:31	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/12		07/10/2020 15:59	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/13		07/10/2020 16:28	1		DB-5MS 30m 0.25 0.25 (mm)
IC 410-21270/14		07/10/2020 16:56	1		DB-5MS 30m 0.25 0.25 (mm)
ICVL 410-21270/15		07/10/2020 17:24	1		DB-5MS 30m 0.25 0.25 (mm)
410-6533-11		07/10/2020 17:53	1	DG0535.D	DB-5MS 30m 0.25 0.25 (mm)
410-6533-12		07/10/2020 18:21	1	DG0536.D	DB-5MS 30m 0.25 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-6533-1

SDG No.: _____

Batch Number: 19318 Batch Start Date: 07/04/20 07:23 Batch Analyst: Okpo, Mathias O

Batch Method: 3510C Batch End Date: 07/04/20 10:46

Lab Sample ID	Client Sample ID	Method	Chain	Basis	InitialAmount	FinalAmount	FirstAdjstpH	SecondAdjstpH	OP_MINIBNA_SS 00016	OP_MINIICS1_MS 00028
MB 410-19318/1		3510C,	8270D		250 mL	1 mL	11 SU	2 SU	1 mL	
LCS 410-19318/2		3510C,	8270D		250 mL	1 mL	11 SU	2 SU	1 mL	1 mL
410-6533-D-3 MS	MW-10D-20200629	3510C,	8270D	T	240 mL	1 mL	11 SU	2 SU	1 mL	1 mL
410-6533-D-3 MSD	MW-10D-20200629	3510C,	8270D	T	238 mL	1 mL	11 SU	2 SU	1 mL	1 mL
410-6533-D-1	MW-1-20200629	3510C,	8270D	T	245 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-2	MW-10S-20200629	3510C,	8270D	T	243 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-3	MW-10D-20200629	3510C,	8270D	T	242 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-4	MW-8S-20200629	3510C,	8270D	T	242 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-5	MW-8D-20200630	3510C,	8270D	T	246 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-6	MW-11S-20200630	3510C,	8270D	T	247 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-7	MW-11D-20200630	3510C,	8270D	T	249 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-8	MW-7S-20200630	3510C,	8270D	T	248 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-9	MW-7D-20200630	3510C,	8270D	T	243 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-10	MW-14S-20200630	3510C,	8270D	T	247 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-11	FB-20200630	3510C,	8270D	T	247 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-12	MW-14D-20200630	3510C,	8270D	T	245 mL	1 mL	11 SU	2 SU	1 mL	

Lab Sample ID	Client Sample ID	Method	Chain	Basis	AnalysisComment		
MB 410-19318/1		3510C,	8270D		Tap H2O		
LCS 410-19318/2		3510C,	8270D		Tap H2O		
410-6533-D-3 MS	MW-10D-20200629	3510C,	8270D	T	clear		
410-6533-D-3 MSD	MW-10D-20200629	3510C,	8270D	T	clear		
410-6533-D-1	MW-1-20200629	3510C,	8270D	T	yellow		
410-6533-D-2	MW-10S-20200629	3510C,	8270D	T	yellow		
410-6533-D-3	MW-10D-20200629	3510C,	8270D	T	clear		
410-6533-D-4	MW-8S-20200629	3510C,	8270D	T	yellow		
410-6533-D-5	MW-8D-20200630	3510C,	8270D	T	clear		
410-6533-D-6	MW-11S-20200630	3510C,	8270D	T	yellow		
410-6533-D-7	MW-11D-20200630	3510C,	8270D	T	yellow		

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-6533-1

SDG No.: _____

Batch Number: 19318 Batch Start Date: 07/04/20 07:23 Batch Analyst: Okpo, Mathias O

Batch Method: 3510C Batch End Date: 07/04/20 10:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment			
410-6533-D-8	MW-7S-20200630	3510C, 8270D	T	yellow			
410-6533-D-9	MW-7D-20200630	3510C, 8270D	T	clear			
410-6533-D-10	MW-14S-20200630	3510C, 8270D	T	clear			
410-6533-D-11	FB-20200630	3510C, 8270D	T	clear			
410-6533-D-12	MW-14D-20200630	3510C, 8270D	T	yellow			

Batch Notes	
Acid Used for pH Adjustment ID	sulfuric acid - 194547
Balance ID	25996
Base Used to Adjust pH ID	NaOH - 4911F26
Analyst ID - Concentration	13836
Equipment ID - Concentration 1	1,2,3
Analyst ID - Extraction	13836
Na2SO4 ID	20182B
Pipette/Syringe/Dispenser ID	1
Prep Solvent ID	mecl2 - 201485
Prep Solvent Volume Used	90 mL
Analyst ID - Spike Analyst	13836
Concentration 1 Uncorrected Temperature	90 Degrees C

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-6533-1

SDG No.: _____

Batch Number: 19320 Batch Start Date: 07/04/20 07:28 Batch Analyst: Okpo, Mathias O

Batch Method: 3510C Batch End Date: 07/04/20 10:51

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	FirstAdjstpH	SecondAdjstpH	OP_MINIBNA_SS 00016	OP_MINIICS1_MS 00028
MB 410-19320/1		3510C, 8270D		250 mL	1 mL	11 SU	2 SU	1 mL	
LCS 410-19320/2		3510C, 8270D		250 mL	1 mL	11 SU	2 SU	1 mL	1 mL
LCS D 410-19320/3		3510C, 8270D		250 mL	1 mL	11 SU	2 SU	1 mL	1 mL
410-6533-D-13	MW-4S-20200701	3510C, 8270D	T	246 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-14	MW-4D-20200701	3510C, 8270D	T	244 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-15	MW-3-20200701	3510C, 8270D	T	246 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-16	MW-13S-20200701	3510C, 8270D	T	247 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-17	MW-13D-20200701	3510C, 8270D	T	248 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-18	MW-12S-20200701	3510C, 8270D	T	246 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-19	MW-12D-20200701	3510C, 8270D	T	247 mL	1 mL	11 SU	2 SU	1 mL	
410-6533-D-20	DUP-20200701	3510C, 8270D	T	245 mL	1 mL	11 SU	2 SU	1 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment		
MB 410-19320/1		3510C, 8270D		Tap H2O		
LCS 410-19320/2		3510C, 8270D		Tap H2O		
LCS D 410-19320/3		3510C, 8270D		Tap H2O		
410-6533-D-13	MW-4S-20200701	3510C, 8270D	T	yellow		
410-6533-D-14	MW-4D-20200701	3510C, 8270D	T	clear		
410-6533-D-15	MW-3-20200701	3510C, 8270D	T	brown		
410-6533-D-16	MW-13S-20200701	3510C, 8270D	T	brown		
410-6533-D-17	MW-13D-20200701	3510C, 8270D	T	yellow		
410-6533-D-18	MW-12S-20200701	3510C, 8270D	T	yellow		
410-6533-D-19	MW-12D-20200701	3510C, 8270D	T	clear		
410-6533-D-20	DUP-20200701	3510C, 8270D	T	brown		

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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-6533-1

SDG No.: _____

Batch Number: 19320 Batch Start Date: 07/04/20 07:28 Batch Analyst: Okpo, Mathias O

Batch Method: 3510C Batch End Date: 07/04/20 10:51

Batch Notes	
Acid Used for pH Adjustment ID	sulfuric acid - 194547
Balance ID	25996
Base Used to Adjust pH ID	NaOH - 4911F26
Analyst ID - Concentration	13836
Equipment ID - Concentration 1	4, 5
Analyst ID - Extraction	13836
Na2SO4 ID	20182
Pipette/Syringe/Dispenser ID	1
Prep Solvent ID	mecl2 - 201485
Prep Solvent Volume Used	90 mL
Analyst ID - Spike Analyst	13836
Concentration 1 Uncorrected Temperature	90 Degrees C

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.

Subcontract Data

Shipping and Receiving Documents



Client Information										Matrix		Analysis Requested		For Lab Use Only																																																							
Client:		Project Name/ID:		Project Manager:		Sampler:		State where samples were collected:		Sample Identification		Collected		Preservation and Filtration Codes		Preservation Codes		Remarks																																																			
Act. #:		PWSID #:		P.O. #:		Quota #:		For Compliance:		Sample ID		Date		Time		H=HCl N=HNO ₃ S=H ₂ SO ₄ F=Field Filtered		T=Thiosulfate B=NaOH P=H ₃ PO ₄ O=Other																																																			
Yes		No		Yes		No		Yes		No		Yes		No		Yes		No																																																			
Brown + Caldwell		Patchogue		Jim Morabida		R. Scandale/A. Velazquez		NY		MW-1-20200629		6/29/20		1202																																																							
										MW-105-20200629				1408																																																							
										MW-100-20200629				1446																																																							
										MW-85-20200629				1548																																																							
										MW-80-20200630		6/30/20		0756																																																							
										MW-115-20200630				0851																																																							
										MW-110-20200630				0928																																																							
										MW-75-20200630				1024																																																							
										MW-70-20200630				1103																																																							
										MW-145-20200630				1250																																																							
Turnaround Time (TAT) Requested (please circle)										Relinquished by										Received by										Date										Time																													
Standard										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Rush										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
(Rush TAT is subject to laboratory approval and surcharge.)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Requested TAT in business days:										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
E-mail address: smorabida@browncl.com										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Data Package Options (circle if required)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Type I (EPA Level 3 Equivalent/non-CLP)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Type III (Reduced non-CLP)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Type I (Reduced non-CLP)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
NYSDEC Category A or B										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
MA MCP										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
TX TRRP-13										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
CT RCP										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
NJ DKQP										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Type VI (Raw Data Only)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Type I (EPA Level 3 Equivalent/non-CLP)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Type III (Reduced non-CLP)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
Type I (Reduced non-CLP)										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
NYSDEC Category A or B										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
MA MCP										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
TX TRRP-13										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									
CT RCP										Patchogue										Patchogue										7/11/20										1630										7/11/20										0930									

Environmental Analysis Request/Chain of Custody



For Eurofins Lancaster Laboratories Environmental use only

Lancaster Laboratories
Environmental

Acct. #

Group #

Sample #

COC #608653

Client Information				Analysis Requested				For Lab Use Only	
Client				Preservation and Filtration Codes				FSC:	SCR#:
Project Name/ID:				Matrix				Preservation Codes	
Project Manager:				Water				H=HCl	
Sampler:				Soil				N=HNO ₃	
State where samples were collected:				Sediment				S=H ₂ SO ₄	
For Compliance:				Tissue				F=Field Filtered	
Yes ☐ No ☐				Composite				O=Other	
Sample Identification				Grab				Remarks	
Collected				Total # of Containers					
Date				Other: <i>02 water</i>					
Time									
FB-20200630	6/30/20	1305	X						
MW-14D-20200630	7/1/20	1354	X						
MW-4S-20200701	7/1/20	0759	X						
MW-4D-20200701	7/1/20	0836	X						
MW-3-20200701	7/1/20	0918	X						
MW-13S-20200701	7/1/20	1020	X						
MW-13D-20200701	7/1/20	1110	X						
MW-12S-20200701	7/1/20	1240	X						
MW-12D-20200701	7/1/20	1317	X						
DUP-20200701	7/1/20	1449	X						
Turnaround Time (TAT) Requested (please circle)				Relinquished by				Date	
Standard				Rachel Scardale				7/1/20 1630	
Rush				Relinquished by				Date	
(Rush TAT is subject to laboratory approval and surcharge.)				Relinquished by				Date	
Requested TAT in business days:				Relinquished by				Date	
E-mail address: <i>S.Morabla@browncl.com</i>				Relinquished by				Date	
Data Package Options (circle if required)				Relinquished by				Date	
Type I (EPA Level 3 Equivalent/non-CLP)				Relinquished by				Date	
Type III (Reduced non-CLP)				Relinquished by				Date	
NYSDEC Category A or B				Relinquished by				Date	
NJ DKQP				Relinquished by				Date	
MA MCP				Relinquished by				Date	
TX TRRP-13				Relinquished by				Date	
CT RCP				Relinquished by				Date	
EDD Required? Yes ☒ No ☐				Relinquished by				Date	
If yes, format: <i>BC-EDD's</i>				Relinquished by				Date	
Site-Specific QC (MS/MSD/Dup)? Yes ☐ No ☒				Relinquished by				Date	
(If yes, indicate QC sample and submit triplicate sample volume.)				Relinquished by				Date	
Temperature upon receipt				Relinquished by				Date	

**Lancaster Laboratories
Environmental**

For Eurofins Lancaster Laboratories Environmental use only

Acct. #

Group #

Sample #

COC # 608654

Client Information				Analysis Requested			
				Preservation and Filtration Codes			
Client:	Brown + Caldwell						
Project Name/ID:	Pitchoque						
Project Manager:	Sim Marolda						
Sampler:	R. Scandale / A. Velazquez						
State where samples were collected:							
NY							
For Compliance:							
Yes ☐ No ☐							
Sample Identification							
Date							
Time							
6/30/20							
Collected							
Date							
Time							
6/30/20							
Grab							
Composite							
Total # of Containers							
Other: D2 water							
Water							
Potable							
NPDES							
Surface							
Soil							
Sediment							
Tissue							
Remarks							
3 of 3							
Preservation Codes							
H=HCl							
N=HNO ₃							
S=H ₂ SO ₄							
F=Field Filtered							
O=Other							
T=Thiosulfate							
B=NaOH							
P=H ₃ PO ₄							
F=Field Filtered							
O=Other							
Remarks							
3 of 3							
Preservation Codes							
H=HCl							
N=HNO ₃							
S=H ₂ SO ₄							
F=Field Filtered							
O=Other							
T=Thiosulfate							
B=NaOH							
P=H ₃ PO ₄							
F=Field Filtered							
O=Other							
Remarks							
3 of 3							
Preservation Codes							
H=HCl							
N=HNO ₃							
S=H ₂ SO ₄							
F=Field Filtered							
O=Other							
T=Thiosulfate							
B=NaOH							
P=H ₃ PO ₄							
F=Field Filtered							
O=Other							
Remarks							
3 of 3							
Preservation Codes							
H=HCl							
N=HNO ₃							
S=H ₂ SO ₄							
F=Field Filtered							
O=Other							
T=Thiosulfate							
B=NaOH							
P=H ₃ PO ₄							
F=Field Filtered							
O=Other							
Remarks							
3 of 3							
Preservation Codes							
H=HCl							
N=HNO ₃							
S=H ₂ SO ₄							
F=Field Filtered							
O=Other							
T=Thiosulfate							
B=NaOH							
P=H ₃ PO ₄							
F=Field Filtered							
O=Other							
Remarks							
3 of 3							
Preservation Codes							
H=HCl							
N=HNO ₃							
S=H ₂ SO ₄							
F=Field Filtered							
O=Other							
T=Thiosulfate							
B=NaOH							
P=H ₃ PO ₄							
F=Field Filtered							
O=Other							
Remarks							
3 of 3							
Preservation Codes							
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N=HNO ₃							
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F=Field Filtered							
O=Other							
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O=Other							
Remarks							
3 of 3							
Preservation Codes							
H=HCl							
N=HNO ₃							
S=H ₂ SO ₄							
F=Field Filtered							
O=Other							
T=Thiosulfate							
B=NaOH							
P=H ₃ PO ₄							
F=Field Filtered							
O=Other							
Remarks							
3 of 3							
Preservation Codes							

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • FOR HELP COMPLETING FORM CHECK OUT <https://www.eurofinsus.com/coc>

WCM



Client Information (Sub Contract Lab)						Sampler	Lab PM:	Carrier Tracking No(s):	GOC No.					
Client Contact Shipping/Receiving							Weyandt, Barbara A		410-73354 2					
Company: TestAmerica Laboratories, Inc.						Phone:	E-Mail:	State of Origin:	Page					
Address 7777 New Durham Road,								New York	Page 2 of 3					
City									Job #					
Edison									410-6533-1					
State, Zip														
NJ, 08817														
Phone														
732-549-3900(Tel) 732-549-3679(Fax)														
Email:														
Project Name:														
Patchogue, NY														
Site														
Sample Identification - Client ID (Lab ID)						Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Seawater, Oil, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C BTEX, MTBE	Total Number of Containers	Special Instructions/Note:
MWW-7S-20200630 (410-6533-8)	6/30/20	10:24 Eastern		Water	X	X								
MWW-7D-20200630 (410-6533-9)	6/30/20	11:03 Eastern		Water	X	X								
MWW-14S-20200630 (410-6533-10)	6/30/20	12:50 Eastern		Water	X	X								
FB-20200630 (410-6533-11)	6/30/20	13:05 Eastern		Water	X	X								
MWW-14D-20200630 (410-6533-12)	6/30/20	13:54 Eastern		Water	X	X								
MWW-4S-20200701 (410-6533-13)	7/1/20	07:59 Eastern		Water	X	X								
MWW-4D-20200701 (410-6533-14)	7/1/20	08:36 Eastern		Water	X	X								
MWW-3-20200701 (410-6533-15)	7/1/20	09:18 Eastern		Water	X	X								
MWW-13S-20200701 (410-6533-16)	7/1/20	10:20 Eastern		Water	X	X								

Possible Hazard Identification

Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *[Signature]* Date/Time: 7/7/20 11:34 Company: ELEG

Relinquished by: *[Signature]* Date/Time: 7/7/20 18:05 Company: ELEG

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seal No.: _____ Custody Seal Intact: Yes ☒ No ☐

Chain of Custody Record

[illegible]

Chain of Custody Record

Client Information (Sub Contract Lab)			Lab PH:		Carrier Tracking Note(s)		COC No													
Client Contact			Weyandl, Barbara A				410-7354-1													
Shipping/Receiving			E-Mail		State of Origin:		Page													
Company			barbaraweyandl@eurofins.com		New York		Page 1 of 3													
Test/America Laboratories, Inc.			Accreditations Required (See note)		Job #		410-6533-1													
Address			NELAP - New York				Preservation Codes:													
City							A - HCL													
State, Zip							B - NaOH													
Phone							C - Zn Acetate													
Fax							D - Nitric Acid													
Email							E - NaHSO4													
Project Name							F - MeOH													
Patchogue, NY							G - H2SO4													
Site							H - Ascorbic Acid													
							I - Ice													
							J - DI Water													
							K - EDTA													
							L - EDA													
							Other:													
							M - Hexane													
							N - None													
							O - AsNaO2													
							P - Na2O4S													
							Q - Na2SO3													
							R - Na2SO3													
							S - H2SO4													
							T - TSP Dodecahydrate													
							U - Acetone													
							V - MCAA													
							W - pH 4.5													
							Z - other (specify)													
Sample Identification - Client ID (Lab ID)			Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, G=matrix)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260/6030C BTEX, MTBE		Total Number of Containers		Special Instructions/Note:	
MW-1-20200629 (410-6533-1)			6/29/20		12:02 Eastern				Water				X				2			
MW-10S-20200629 (410-6533-2)			6/29/20		14:08 Eastern				Water				X				2			
MW-10D-20200629 (410-6533-3)			6/29/20		14:46 Eastern				Water				X				2			
MW-10D-20200629 (410-6533-3MS)			6/29/20		14:46 Eastern		MS		Water				X				3			
MW-10D-20200629 (410-6533-3MSD)			6/29/20		14:46 Eastern		MSD		Water				X				3			
MW-8S-20200629 (410-6533-4)			6/29/20		15:48 Eastern				Water				X				2			
MW-8D-20200630 (410-6533-5)			6/30/20		07:56 Eastern				Water				X				2			
MW-11S-20200630 (410-6533-6)			6/30/20		08:51 Eastern				Water				X				2			
MW-11D-20200630 (410-6533-7)			6/30/20		09:28 Eastern				Water				X				2			

Note: Since laboratory accreditations are subject to change, Eurofins Lancaster Laboratories Env places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Lancaster Laboratories Env laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Lancaster Laboratories Env attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody to Eurofins Lancaster Laboratories Env.

Possible Hazard Identification
Unconfirmed

Deliverable Requested I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____ Time: _____

Relinquished by: *RP* Date/Time: 7/17/20 11:34 Company: *ELF*

Relinquished by: *RP* Date/Time: 7/20/20 18:05 Company: *ELF*

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: ☐ Yes ☐ No ☐ No

Custody Seal No.: _____

Cooler Temperature(s) °C and Other Remarks: _____

Received by: *RP* Date/Time: 7/20/20 12:05 Company: *ELF*

Received by: *RP* Date/Time: 7/20/20 18:10 Company: *ELF*

Received by: _____ Date/Time: _____ Company: _____

Special Instructions/QC Requirements: _____

Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Chain of Custody Record

Client Information (Sub Contract Lab)			Sampler:		Lab PM:		Carrier Tracking No(s)		COC No.												
Client Contact			Phone:		Weyandt, Barbara A				410-73354-2												
Shipping/Receiving					E-Mail		State of Origin		Page:												
Company					barbaraweyandt@eurofinsus.com		New York		Page 2 of 3												
Address					Accreditations Required (See note)				Job #												
777 New Durham Road,					NELAP - New York				410-6533-1												
City									Preservation Codes:												
Edison									A - HCL												
State, Zip									B - NaOH												
NJ, 08817									C - Zn Acetate												
Phone:									D - Nitric Acid												
732-549-3900(Tel) 732-549-3679(Fax)									E - NaHSO4												
Email:									F - MeOH												
									G - Ascorbic Acid												
Project Name									H - Ice												
Patchogue, NY									I - Di Water												
Site:									K - EDTA												
									L - EDA												
									Other:												
									M - Hexane												
									N - None												
									O - AsNaO2												
									P - Na2O4S												
									Q - Na2SO3												
									R - Na2SO3												
									S - H2SO4												
									T - TSP Dodecahydrate												
									U - Acetone												
									V - MCAA												
									W - pH 4.5												
									Z - other (specify)												
Sample Identification - Client ID (Lab ID)			Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=water, A=air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260C/6030C BTEX, MTBE		Total Number of containers		Special Instructions/Note:		
MW-7S-20200630 (410-6533-8)			6/30/20		10:24 Eastern		Water		Water		X		X		2						
MW-7D-20200630 (410-6533-9)			6/30/20		11:03 Eastern		Water		Water		X		X		2						
MW-14S-20200630 (410-6533-10)			6/30/20		12:50 Eastern		Water		Water		X		X		2						
FB-20200630 (410-6533-11)			6/30/20		13:05 Eastern		Water		Water		X		X		3						
MW-14D-20200630 (410-6533-12)			6/30/20		13:54 Eastern		Water		Water		X		X		2						
MW-4S-20200701 (410-6533-13)			7/1/20		07:59 Eastern		Water		Water		X		X		2						
MW-4D-20200701 (410-6533-14)			7/1/20		08:36 Eastern		Water		Water		X		X		2						
MW-3-20200701 (410-6533-15)			7/1/20		09:18 Eastern		Water		Water		X		X		2						
MW-13S-20200701 (410-6533-16)			7/1/20		10:20 Eastern		Water		Water		X		X		2						
Note: Since laboratory accreditation is subject to change, Eurofins Lancaster Laboratories Env places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain of custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Lancaster Laboratories Env laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Lancaster Laboratories Env attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Lancaster Laboratories Env																					
Possible Hazard Identification																					
Unconfirmed																					
Deliverable Requested: I, II, III, IV, Other (specify)																					
Primary Deliverable Rank: 2																					
Empty Kit Relinquished by:																					
Relinquished by: [Signature]																					
Relinquished by: [Signature]																					
Relinquished by: [Signature]																					
Custody Seals Intact: ☐ Yes ☐ No																					
Custody Seal No.:																					

[illegible]

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-6533-1

Login Number: 6533

List Number: 1

Creator: Colon Martinez, Jessenia C

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal is 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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-6533-1

Login Number: 6533

List Number: 2

Creator: Miller, Wesley R

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal is 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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-6533-1

Login Number: 6533

List Number: 3

Creator: Armbruster, Chris

List Source: Eurofins TestAmerica, Edison

List Creation: 07/08/20 01:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	2.1°C, IR #11
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix C: Data Validator Qualifications



Experience Summary

Kelly Donahue has more than 18 years of experience as a geologist and geochemist with specialization in environmental assessment, prediction of water quality chemistry and water contamination mitigation strategies. Her experience encompasses soil and water sampling, geotechnical testing, field investigations, drilling oversight, and monitoring well installation. She also is adept at analyzing and interpreting of geological, hydrologic and geochemical data for a variety of technical environmental and hydrogeological projects. Kelly is proficient in PHREEQC, AquaChem, Goldsim and Arc GIS applications for geochemical modeling and data analysis.

Assignment

Chemistry/Data Validation

Education

*M.S., Geochemistry, New Mexico
Institute of Mining and Technology*

*B.S., Geology University of
Wisconsin at Madison*

Registration

*Professional Geologist 59596,
Arizona*

*Professional Geologist 1510,
Idaho*

*Professional Geologist PG-3822,
Wyoming*

Training

*MSHA-certified Instructor, Surface
Part 46 and 48 Training, 2013*

OSHA 10-hour General Contractor

OSHA 40-hr HAZWOPER

First aid and CPR

Experience

18 years

Joined Firm

2014

Relevant Expertise

- *Surface and groundwater aqueous geochemistry*
- *Geochemical modeling*
- *Field investigations*
- *Advanced mineralogy and petrography*
- *Monitor well installation and instrumentation*
- *Data management and GIS applications*
- *Data validation*
- *Project management*

Data Validation and Verification, Nationwide

Data Validator, Multiple On-going Projects. Provides all Levels, Stages, and Tiers of data validation for Level I through III laboratory reports including air, surface water, groundwater, soil, and soil gas samples. [2015 to present]

National Mobile Communications Facility, Wayne, New Jersey

Project Chemist. Conducted data review and usability analysis for a multi-media site characterization and implementation of remedial action. Data review was performed in accordance with the general guidance provided by the National Functional Guidelines. During the validation process, laboratory-qualified and unqualified data are verified against the available supporting documentation. Quality of the data was evaluated for the suitability for the project objectives. [2017 to present]

MERECO Post-Remedial Monitoring, Colonie, New York

Project Chemist. Level 2 Data validation and Data Usability Review was performed on soil water and vapor analytical datasets to evaluate the data on a technical basis. Data review was performed in accordance with the general guidance provided by the National Functional Guidelines. Qualifier codes were added, deleted, or modified based on meeting project objectives. [2017 to present]

North Rasmussen, Rasmussen Valley and Lanes Creek Data Validation Nu-West Agrium, Soda Springs, Idaho

Project Chemist. Level 2 Data Validation was performed on surface and groundwater analytical data from three operating mine properties owned by Nu-West Agrium to evaluate the data for submission to the state regulatory agencies. Data validation was performed in accordance to the state approved, project-specific data validation procedures and included a review of all relative field information to evaluate if surface or groundwater samples exceed the project-specific water quality criteria. [2017 to present]

Confidential Client, East Berlin, Connecticut

Project Data Validator. Working under Connecticut Department of Energy and Environmental Protection: Responsibilities include laboratory data management. This includes Level 2 report validation, database management, and data usability. Also, assisted in full validation of PFAS chemicals. [2019 to present]

Environmental Investigation

Site-Wide Water Balance Modeling, Midas Gold–Stibnite Idaho

Modeler, Geochemist. Lead modeler in developing a site-wide water balance using Goldsim software to support for the environmental impact analysis.

Several simulations were analyzed to determine the water balance for varying precipitation scenarios, changes in mine operations, and for water use optimization. Results of the model simulations were used to develop a project water management plan and multiple permitting applications. [2017-current]

Water Quality Investigation, CEMEX, Lyons, Colorado

Geochemist. Lead an assessment of groundwater quality from a network of monitoring well surrounding the backfilled open pit. Materials used to backfill the pit included cement kiln dust resulting in pit water quality with elevated regulated constituents. The geochemical analysis of the historical water quality data on-site was used to identify trends in the groundwater chemistry and water flow in the upgradient canal network. Results of the analysis indicated water leaking from the canal is adding water to the backfilled pit. [2016 to present]

Tri-State New Horizon Mine Spoils Spring Investigation, Nucla, Colorado

Geochemist. Lead an investigation to determine the source of discharge from a spoils spring with elevated concentrations of regulated constituents. Evaluated the results of a backfill geochemical characterization study to identify chemical markers which could indicate the source of the chemical mass to the spoils spring. Results of the geochemical analysis were used to evaluate the potential source of chemical mass and the projected period of time the chemical loading from the backfill material. Assisted in developing the plan to install a monitoring well network to evaluate the presence and quality of water moving the backfill contributing to the spoils spring. [2017 to present]

Soquel Creek Pilot Well Geochemical Characterization

Geochemist. Lead the development of the geochemical characterization sampling and analysis plan to collect data during the installation of a pilot injection well. Provide on-site well oversight for the collection of geochemical characterization samples and data from the pilot test well. Responsibilities included development of planning documents, the collection and analysis of samples, laboratory analysis and testing, and data evaluation and reporting of results. [2018 to present]

Groundwater Contamination Investigation, Arco, Yerington, Nevada

Geochemist. Conducted groundwater geochemical data analysis at and EPA Superfund Site to determine the potential groundwater chemistry signatures associated with natural and mining related impacts. Investigation included evaluation of water quality data signatures, stable and radiogenic isotopes, soil chemical characteristics, and hydrologic data to develop a conceptualization of the geochemical system. Evaluated chemical speciation of regulated groundwater constituents using geochemical modeling to assess potential mobility of contaminants in the aquifer and potential responsible parties' impact to the groundwater. [2014-2017]

Waste Rock Geochemical Characterization, Freeport-McMoran–Bagdad, Arizona

Project Manager, Geochemist. Provided technical support for the project designed to determine the acid generation potential of waste rock materials at an open pit copper mine in Arizona. Data from analytical static tests was combined with mineralogy descriptions of the rock units to determine which units required additional kinetic testing to provide chemical release rates for geochemical modeling. [2014 - 2016]

Rasmussen Valley Mine Project Geochemical Testing Program Analysis, Nu-West Agrium, Soda Springs, Idaho

Geochemist. Provided the client with a comprehensive analysis of the geochemical characterization program conducted by a third-party contractor for an Environmental Impact Assessment to determine the potential effects of the testing design on the data to be used for the water quality impact assessment. Determined the sampling methods used by the third party contractor resulted in unrepresentative and overly conservative approximation of water quality predictions. Presented the finding to the client and regulatory agencies to initiate a conversation on the approach used for geochemical characterization methods and the implications on the subsequent water quality impact analysis. [2014 - 2015]

Rasmussen Valley Mine Project Batch Adsorption Program Analysis, Nu-West Agrium, Soda Springs, Idaho

Geochemist. Conducted an analytical review of the batch adsorption methods and data analysis conducted by a third party contractor for an Environmental Impact Assessment. Results of the batch adsorption analysis

identified potential flaws in the analytical methods and data analysis used by the third party contractor. Provided the client with information to discuss an alternative method for batch adsorption testing to overcome the analytical flaws with the regulatory agencies. Reanalysis of the batch adsorption data provided the client with proof of adsorption to allow for adsorption during groundwater modeling. [2014 - 2015]

Rasmussen Valley Mine Project Alternative Source Term Development Analysis, Nu-West Agrium, Soda Springs, Idaho

Geochemist. Provided the client with a scientifically defensible analysis for the development of an alternative source term using data previously collected as part of a baseline geochemical analysis for an Environmental Impact Assessment. Utilizing previously collected data allowed for the project to continue forward without delays that would have been the result of additional geochemical data collection. [2016]

Husky 1 North Dry Ridge Mine Project Geochemical Testing Plan Analysis, Nu-West Agrium, Soda Springs, Idaho

Geochemist. Provided the client with a comprehensive review of the geochemical characterization plan for an Environmental Impact Assessment to assess the potential effects of the testing plan design on the data to be used for the water quality impact assessment. Provided client with information on the sample compositing method to present to the regulatory agencies in order to obtain results representative of the future waste rock piles. [2014 - 2015]

Monitoring Well Investigation, North Rasmussen Ridge Mine, Caribou County, Idaho

Geochemist. Analysis of surface and groundwater data to identify potential mining related impacts to a groundwater monitoring well. Data assessment included evaluating the chemical signatures of potential source waters and evaluating the feasibility of several scenarios to identify the most likely source of contamination to the alluvial monitoring well. Presented the results of the analysis to the Idaho regulatory agencies during a discussion on methods to remediate the observed elevated regulated constituents. [2015 - 2018]

Publications

1. Donahue, Kelly M., 2002, "Geochemistry, geology and geochronology of the Victorio mining district, Luna County, New Mexico: Linking skarn and porphyry systems to carbonate-hosted lead-zinc replacement deposits", New Mexico Bureau of Mines and Mineral Resources Open File Report 471, 186 p.
2. Donahue, K.M., Dunbar, N.W., and McLemore, V.T., 2009, "Clay mineralogy of the Goathill North rock pile, Questa mine, Taos County, NM: Origins and indications of in-situ weathering", Society of Mining, Metallurgy and Exploration Annual Convention, Denver, Feb 2009, Preprint 09-98, 7 p.
3. Donahue, Kelly M., Dubar, N.W., and McLemore, V. T., 2007, "Origins of clay minerals in the MolyCorp Mine Goathill North Rock Pile, Questa, NM", Clay Mineral Society Annual meeting, June 2007, Preprint 07-100, 8 p.
4. McLemore, V.T., Dunbar, N., Tachie-Menson, S., and Donahue, K., 2010, The Effect of Weathering on the Acid-Producing Potential of the Goathill North Rock Pile, Questa mine, NM: CRC Press, Taylor and Francis Group, London, Tailings and Mine Waste '10, p. 213-227
5. McLemore, V.T., Sweeney, D., and Donahue, K., 2009, Lithologic atlas: New Mexico Bureau of Geology and Mineral Resources, Open-file Report 516, 73 p.,
6. McLemore, V.T., Dickens, A., Boakye, K., Campbell, A., Donahue, K., Dunbar, N., Gutierrez, L., Heizler, L., Lynn, R., Lueth, V., Osantowski, E., Phillips, E., Shannon, H., Smith, M., Tachie-Menson, S., van Dam, R., Viterbo, V.C., Walsh, P., and Wilson, G.W., 2008, Characterization of Goathill North Rock Pile: New Mexico Bureau of Geology and Mineral Resources, Open-file report 523,
7. McLemore, V. T., Donahue, K., Breese, M. R., Jackson, M. J., Arbuckle, J. & Jones, G., 2001, "Mineral-resource assessment of Luna County, New Mexico" New Mexico Bureau of Mines and Mineral Resources, Open File Report 459, 153 p.
8. McLemore, V. T., Dunbar, N., Heizler, M. T. and Donahue, K., 2000, "Geology and mineral deposits of the Victorio mining district, Luna County, New Mexico" in Lawton, T. F., McMillan, N. J., McLemore, V. T., Austin, G., and Barker, J. M. eds., *Southwest Passage, A Trip through the Phanerozoic: New Mexico Geological Society Guidebook 51*, pp. 267-278.
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Appendix D: Data Usability Summary Report



DATA USABILITY SUMMARY REPORT PATCHOGUE FORMER MGP SITE

Client: Brown and Caldwell, Albany, New York
SDGs: 41065331
Laboratory: Eurofins Lancaster Laboratories, Lancaster, Pennsylvania
Site: Patchogue, NY
Date: August 18, 2020

Client Sample ID	Laboratory Sample ID	Matrix
MW-1-20200629	410-6533-1	Groundwater
MW-10S-20200629	410-6533-2	Groundwater
MW-10D-20200629	410-6533-3	Groundwater
MW-8S-20200629	410-6533-4	Groundwater
MW-8D-20200630	410-6533-5	Groundwater
MW-11S-20200630	410-6533-6	Groundwater
MW-11D-20200630	410-6533-7	Groundwater
MW-7S-20200630	410-6533-8	Groundwater
MW-7D-20200630	410-6533-9	Groundwater
MW-14S-20200630	410-6533-10	Groundwater
FB-20200630	410-6533-11	Water
MW-14D-20200630	410-6533-12	Groundwater
MW-4S-20200701	410-6533-13	Groundwater
MW-4D-20200701	410-6533-14	Groundwater
MW-3-20200701	410-6533-15	Groundwater
MW-13S-20200701	410-6533-16	Groundwater
MW-13D-20200701	410-6533-17	Groundwater
MW-12S-20200701	410-6533-18	Groundwater
MW-12D-20200701	410-6533-19	Groundwater
DUP-20200701	410-6533-20	Groundwater
TB-20200630	410-6533-21	Water

Data validation was performed on the analytical data for nineteen samples collected on June 29 through July 1, 2020 by Brown and Caldwell Associates at the Patchogue Site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) “Volatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS), SW-846 Method 8020C”, August 2006, “Test Methods for Evaluating Solid Wastes, SW-846 Method 8270D (SIM), February 2007” and “Test Methods for Evaluating Solid Wastes, SW-846 Method 3510C, Rev 3”, December 1996. Specific method references are as follows:

Analysis

Volatile Organic Compounds (VOCs)

Semi Volatile Organic Compounds (SVOCs)

Method References

USEPA SW-846 SW8260

USEPA SW-846 SW8270

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-34a, Revision 0, July 2015, Trace Volatile Data Validation;
- SOP Number HW-35a, Revision 0, June 2015, Semivolatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

- Data Completeness
- Holding times and sample preservation
- Field Duplicate Accuracy
- Internal Standard Area and RT
- Surrogates
- Laboratory Control Sample (LCS) recoveries
- Matrix Spike and Matrix Spike Duplicate Samples
- Method and field blank contamination
- Initial and continuing calibration summaries
- Compound Quantitation
- Reporting Limits
- Sample comments and Quality Control Summaries

Overall Usability Issues:

Overall, the data is acceptable for the intended purposes. No analytical or quality issues were noted.

Holding Times

- Reanalysis of sample MW-1-20200629 (410-6533-1) was performed outside of the hold time. The initial analysis was performed within the hold time and both sets of data were reported. Samples were analyzed within 1.5X the method holding time; therefore, no additional data qualifiers were assigned.

Field Duplicate Accuracy

- One field duplicate was collected for the data set: DUP-20200701 is the duplicate for MW-3-20200701. Several RPDs were outside control limits of 30% for analytes measured at concentrations more than 5X the detection limit. Parent and duplicate concentrations are qualified as estimated, J, with reason code 8. See attached for calculated RPDs of detected constituents.

Internal Standard Areas

- All samples exhibited acceptable internal standard values.

Surrogates

- Surrogate recoveries for sample DUP-20200701 (410-6533-20) are outside of acceptance limits. There was insufficient sample to perform a re-extraction; therefore, the data have been reported. Associated sample detections are qualified as estimated, J, and non-detections are qualified as estimated with limited detection, UJ, reason code 3L.

Laboratory Control Samples

- The LCS samples exhibited acceptable %REC.

Matric Spike and Matrix Spike Duplicate (MS/MSD) Samples

- The MS/MSD were within acceptable limits.

Method and Field Blanks

- The method blank had a detection of Naphthalene. Associated sample analytes less than five times the method blank detection are qualified as estimated with limited detection, UJ, reason code 2. Non-detections are not qualified.

Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

Continuing Calibration

- All %Drift criteria were met with the exception of tert-butyl ethyl ether.

Compound Quantitation

- No issues to report.

Reporting Limits

- The laboratory reporting limits were met.

Please contact the undersigned if you have any questions or need further information.

Signed: 
Kelly Donahue
Principle Geochemist
Brown and Caldwell

Dated: August 19, 2020

Data Qualifiers

J	=	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	=	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
U	=	The analyte was analyzed for but was not detected above the sample reporting limit.
R	=	The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Reason Codes

1	Holding time violation
2	Method blank contamination
3	Surrogate recovery
4	MS/MSD recovery
5	MS/MSD precision outside limits
6	LCS recovery
7	Field blank contamination
8	Field duplicate precision outside limits
9	Other deficiencies (including cooler temperature)
A	Absence of supporting QC
S	ICV, CCV or column performance check problem
Y	Initial and continuing calibration blank problem
M	Interference check samples problem
O	Post digestion spike outside of 85-115%
F	MSA correlation coefficient <0.995, or MSA not done
G	Serial dilution problem
K	DFTPP or BFB tuning problem
Q	Initial calibration problem
X	Internal standard recovery problem
V	Second source standard calibration verification problem
L	Low bias
Z	Retention time problem
N	Counting time error (radionuclide chemistry)
W	Detector instability (radionuclide chemistry)
C	Co-elution of compounds
E	Value exceeds linear calibration range
I	Interferences present during analysis
T	Trace level compound, poor quantitation
P	1C/2C precision outside limits
B	LCS/LCSD precision outside limits
D	Lab Dup/Rep precision outside limits
H	High bias

Appendix E: Electronic Data Deliverable



Appendix F: Evaluation of Potential Impact to River from Site Constituents in Groundwater – March 2020 Data



Appendix F

Evaluation of Potential Impact to River from Site Constituents in Groundwater Patchogue Former MGP Site Patchogue, New York

As described in the First Quarter 2020 Groundwater Monitoring Report, some potentially MGP-related constituents were detected in the shallow groundwater (i.e., the upper ± 18 feet) in the vicinity of the ISS mass during the first groundwater monitoring event following implementation of the site remedy. It is expected these constituents are a result of the short-term disturbance of the subsurface that occurred during implementation of the ISS and, their presence is temporary. Shallow groundwater generally flows from northwest to the south and southeast across the Site toward the Patchogue River (see Figure F-1 for a depiction of shallow groundwater flow). The concentrations of most of the constituents that were detected and potentially mobile in the dissolved phase in groundwater (benzene, ethylbenzene, xylenes and naphthalene) were below surface water quality criteria listed in the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). Therefore, they do not have the potential to impact the river. However, the concentration in groundwater of three potentially mobile constituents (acenaphthene, fluorene and pyrene) were slightly above their respective applicable surface water quality criteria. Although it was not anticipated that these constituent concentrations would result in an impact to surface water quality if they discharged to the river, the following analysis was conducted to confirm this.

An analysis was conducted to assess the potential for discharge of site-related constituents in shallow groundwater to impact water quality in the Patchogue River. The evaluation was conducted by estimating the rate at which a mass of site-related constituents, dissolved in groundwater, may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). This approach is consistent with that described in the document entitled "Groundwater Remediation Strategies Tool" (American Petroleum Institute Publication 4730, December 2003). The equation for calculating the mass flux of a constituent is:

$$mf = \sum C_i q_i A_i$$

Where: mf = total mass flux of dissolved constituent from the source ($\mu\text{g}/\text{sec}$)

C_i = concentration of the constituent ($\mu\text{g}/\text{mL} = \mu\text{g}/\text{cm}^3$)

q_i = specific discharge through the flow area (cm/sec)

where: $q_i = K_i i$, with K = hydraulic conductivity (cm/sec) and i = hydraulic gradient (cm/cm)

A_i = flow area perpendicular to flow (cm^2)

where: $A_i = (L)(b)$, with L = width of constituent plume perpendicular to flow and b = plume thickness

In applying this evaluation to the Site, an estimate of mass flux of a constituent (in $\mu\text{g}/\text{sec}$) was calculated shallow groundwater. The mass flux for the shallow groundwater was calculated across a cross-sectional flow area positioned at the downgradient side of the former MGP site, aligned perpendicular to groundwater flow (which in this case is typically parallel or sub-parallel to the shore line). The vertical dimension of the flow area is equal to the plume thickness (b) within the shallow groundwater. The horizontal dimension of the flow area, L, is equal to the width of the constituent plume, which is based on the isoconcentration contours developed from the results of the March 2020 sampling event (see Figures F-2 through F-4). The concentration of site constituents in the Patchogue River resulting from groundwater discharge was estimated using the following equation:

$$C_R = mf_{sgw} / D_R$$

Where: C_R = Concentration of constituent in the river ($\mu\text{g}/\text{L}$)

mf_{sgw} = Mass flux to the river from shallow groundwater ($\mu\text{g}/\text{s}$)

D_R = Patchogue River volumetric flow (L/s)

To address some of the uncertainties in this evaluation, conservative assumptions were made in the above-described calculations which result in river water concentration estimates that are biased high. These assumptions are as follows:

- The hydraulic gradient (i) of groundwater is variable across the Site and thus, the highest hydraulic gradient value was used in the calculation. The larger the value of i, the greater the calculated value of mass flux.
- The plume thickness (b) was estimated conservatively by using the distance from the top of the water table to the top of the well screen of a deeper well at a well couplet, yet the actual plume thickness may be somewhat less, as site constituents were either not detected or detected at very low levels in the deeper wells positioned adjacent to the river. The larger the value of b, the greater the calculated value of mass flux.
- The river volumetric flow value used to calculate in river concentrations ($11.2 \text{ ft}^3/\text{s}$ or $317 \text{ L}/\text{s}$) was derived using a 7Q10 flow analysis (the lowest 7-day average flow that occurs, on average, once every 10 years) for the period April 1, 1958 through March 31, 1968 using data from a USGS river gauging station proximal the Site (USGS 01306000, Patchogue River at Patchogue New York). Thus, it was assumed for this estimate that the flow rate in the river is equal to that during periods of very low flow, and the lower the assumed river flow, the greater the estimated concentration in the river water. For comparison, the mean river flow rate at the same river gauging location using data from 1945 to 1976 is $20.4 \text{ ft}^3/\text{s}$ ($579 \text{ L}/\text{s}$). Table F-1 provides the data used to determine the 7Q10 flow in the Patchogue River. Attachment F-1 presents the data plotted on log probability paper and the resultant 7Q10 flow value.

To screen for potential impacts to the river, the estimated concentrations of acenaphthene, fluorene and pyrene were developed using the above-described method and compared to the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004). Listed in the table below are standards and guidance values for acenaphthene, fluorene and pyrene that are applicable to the various classes of fresh water.

Fresh Surface Water Standards and Guidance Values

Substance	Water Class (per 6NYCRR Part 701)	Standard (µg/l)	Guidance Value (µg/l)	Protection for:
Acenaphthene	A, A-S, AA, AA-S, B, C	--	5.3	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	48	Fish survival
	A, A-S, AA, AA-S	20	--	Aesthetics
Fluorene	A, A-S, AA, AA-S	--	50	Drinking water source
	A, A-S, AA, AA-S, B, C	--	0.54	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	4.8	Fish survival
Pyrene	A, A-S, AA, AA-S	--	50	Drinking water source
	A, A-S, AA, AA-S, B, C	--	4.6	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	42	Fish survival

Attachments F-2 through F-4 contain the calculations and results for each of these constituents. The estimated concentrations in the Patchogue River resulting from site groundwater impacts are as follows:

- Acenaphthene = 0.0033 µg/L
- Fluorene = 0.00050 µg/L
- Pyrene = 0.00127 µg/L

These conservatively-estimated (i.e., biased high) concentrations are three orders of magnitude below the surface water standards and guidance values listed above, including the lowest standard applicable to Class C surface waters. Also, the estimated concentration of fluorene is below the analytical laboratory detection limits for this constituent. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.

Tables



TABLE F-1
SUMMARY OF DATA USED TO CALCULATE 7Q10 FLOW IN PATCHOGUE RIVER
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Water Year ⁽¹⁾	Low Flow (ft ³ /s)	Rank	Probability
1961	20.1	1	0.091
1958	19.1	2	0.182
1960	16.9	3	0.273
1962	16.6	4	0.364
1959	16.0	5	0.455
1967	14.4	6	0.545
1964	13.6	7	0.636
1965	12.9	8	0.727
1963	12.4	9	0.818
1966	11.1	10	0.909

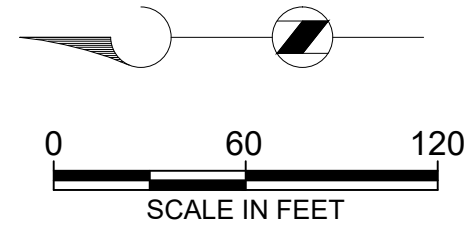
Notes:

(1) - 7Q10 flow (ft³/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through 3/31/1968.

ft³/s - cubic feet per second

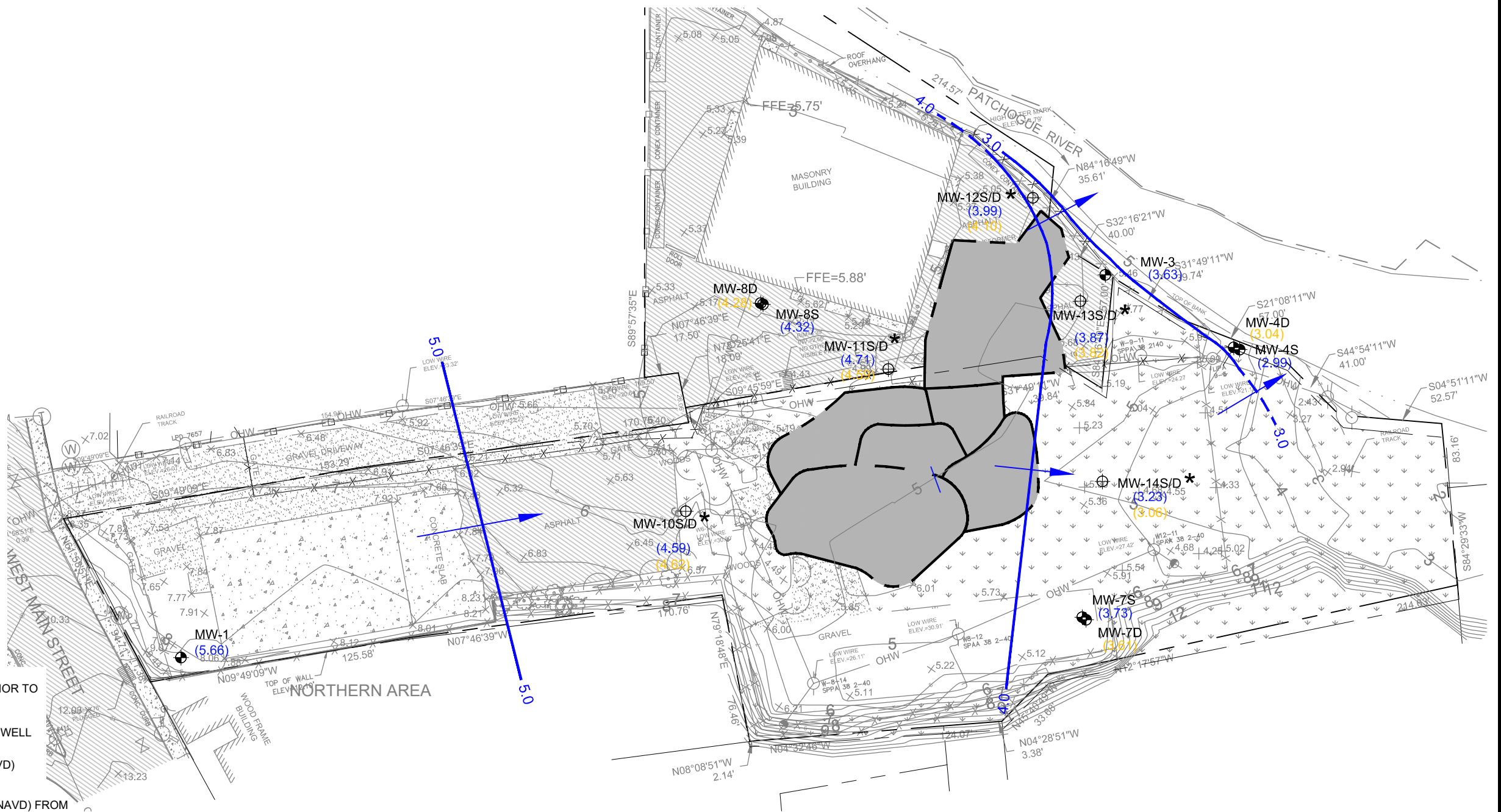
Figures





- LEGEND:
- PROPERTY LINE
 - x x FENCE
 - 10 TOPOGRAPHIC CONTOUR
 - ⊕ MONITORING WELL INSTALLED PRIOR TO REMEDIATION
 - ⊕ POST-REMEDIATION MONITORING WELL
 - 4 WATER TABLE CONTOUR (FT., NAVD)
DASHED WHERE INFERRED
 - (3.87) GROUNDWATER ELEVATION (FT., NAVD) FROM
SHALLOW MONITORING WELL (SCREENED ACROSS OR
CLOSE TO WATER TABLE)
 - (3.06) GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP
MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE
NOT USED FOR CONTOURING.
 - GENERALIZED DIRECTION OF GROUNDWATER FLOW
 - * HORIZONTAL LOCATION AND POSTED GROUNDWATER
ELEVATION DATA IS APPROXIMATE, AS SURVEYING OF WELLS
WILL BE PERFORMED FOLLOWING COMPLETION OF FINAL SITE
RESTORATION ACTIVITIES.

NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA
TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE
MODEL", DATED DECEMBER 17, 2008.

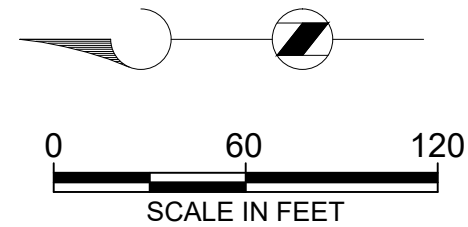


SCALE: 1" = 60'
153021
DATE: May 6, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

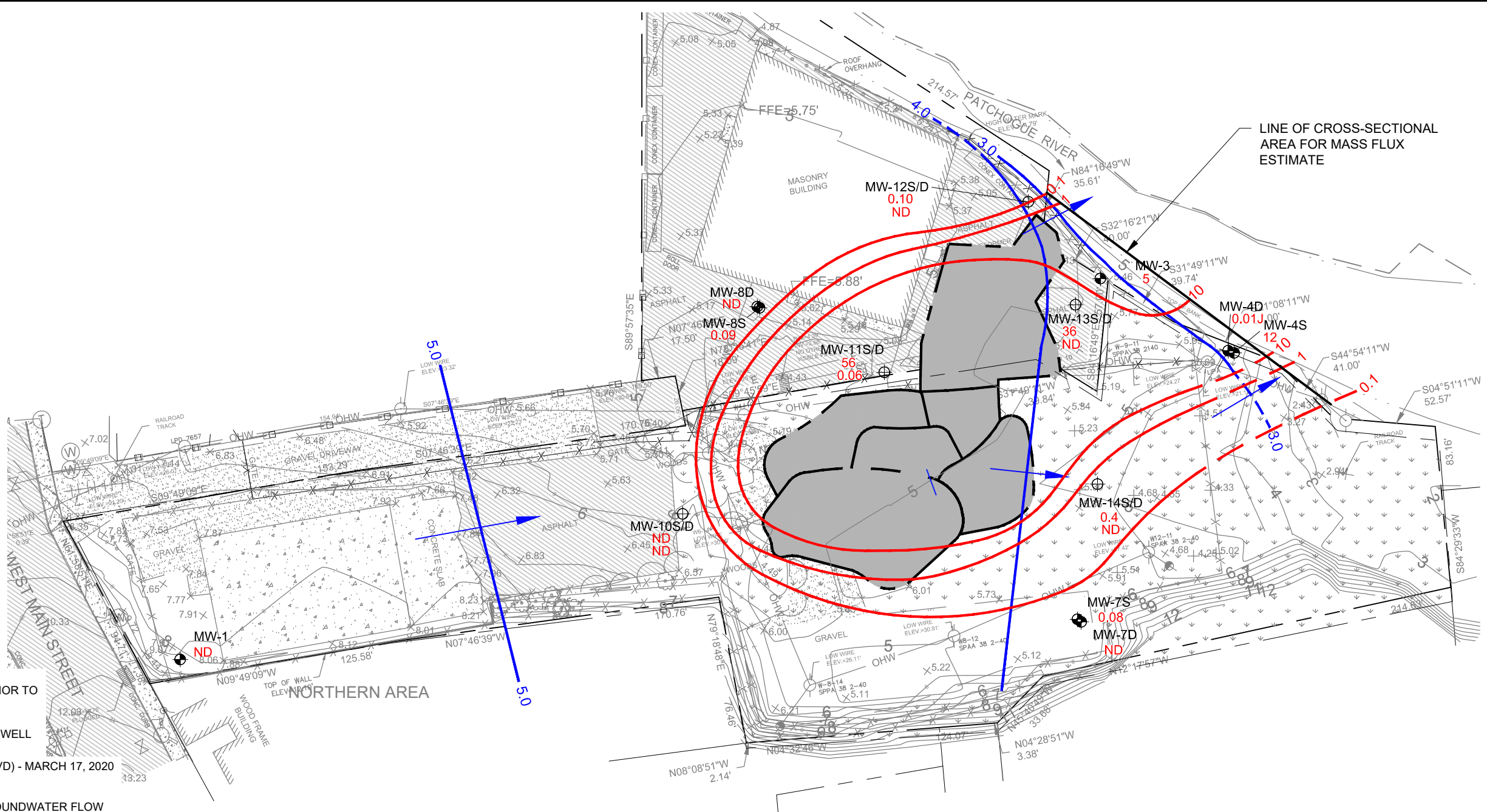
WATER TABLE ELEVATION CONTOUR MAP
MARCH 17, 2020

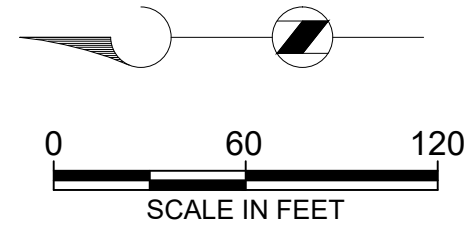
FIGURE
F-1



- LEGEND:
- PROPERTY LINE
 - x — FENCE
 - 10 — TOPOGRAPHIC CONTOUR
 - ⊙ MONITORING WELL INSTALLED PRIOR TO REMEDIATION
 - ⊕ POST-REMEDIATION MONITORING WELL
 - 4 — WATER TABLE CONTOUR (FT., NAVD) - MARCH 17, 2020
DASHED WHERE INFERRED
 - GENERALIZED DIRECTION OF GROUNDWATER FLOW
 - 1 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED).
LOGARITHMIC CONTOUR INTERVAL (µg/L)
 - 12 ACENAPHTHENE CONCENTRATION IN GROUNDWATER (µg/L) -
MARCH 2020
 - J ESTIMATED CONCENTRATION
 - ND NOT DETECTED

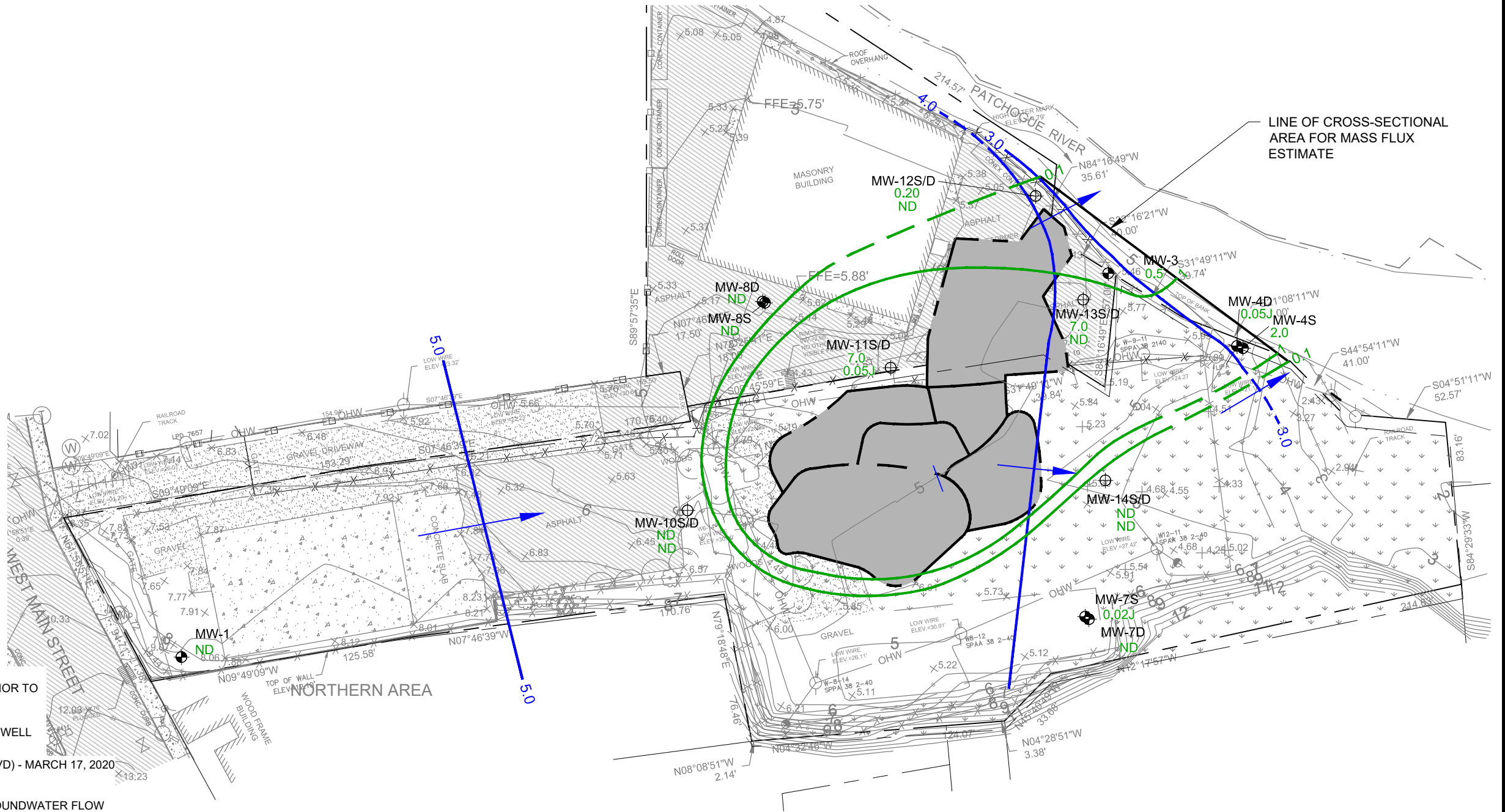
NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA
TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE
MODEL", DATED DECEMBER 17, 2008.





- LEGEND:
- PROPERTY LINE
 - x x FENCE
 - 10 TOPOGRAPHIC CONTOUR
 - MONITORING WELL INSTALLED PRIOR TO REMEDIATION
 - ⊕ POST-REMEDATION MONITORING WELL
 - 4 WATER TABLE CONTOUR (FT., NAVD) - MARCH 17, 2020
DASHED WHERE INFERRED
 - ➔ GENERALIZED DIRECTION OF GROUNDWATER FLOW
 - 1 ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED).
LOGARITHMIC CONTOUR INTERVAL (µg/L)
 - 0.5 FLUORENE CONCENTRATION IN GROUNDWATER (µg/L) -
MARCH 2020
 - J ESTIMATED CONCENTRATION
 - ND NOT DETECTED

NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA
TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE
MODEL", DATED DECEMBER 17, 2008.



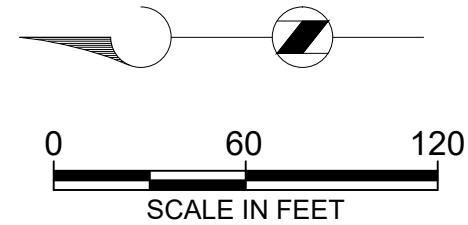
SCALE: 1" = 60'
153021
DATE: May 6, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

FLUORENE IN GROUNDWATER
MARCH 2020

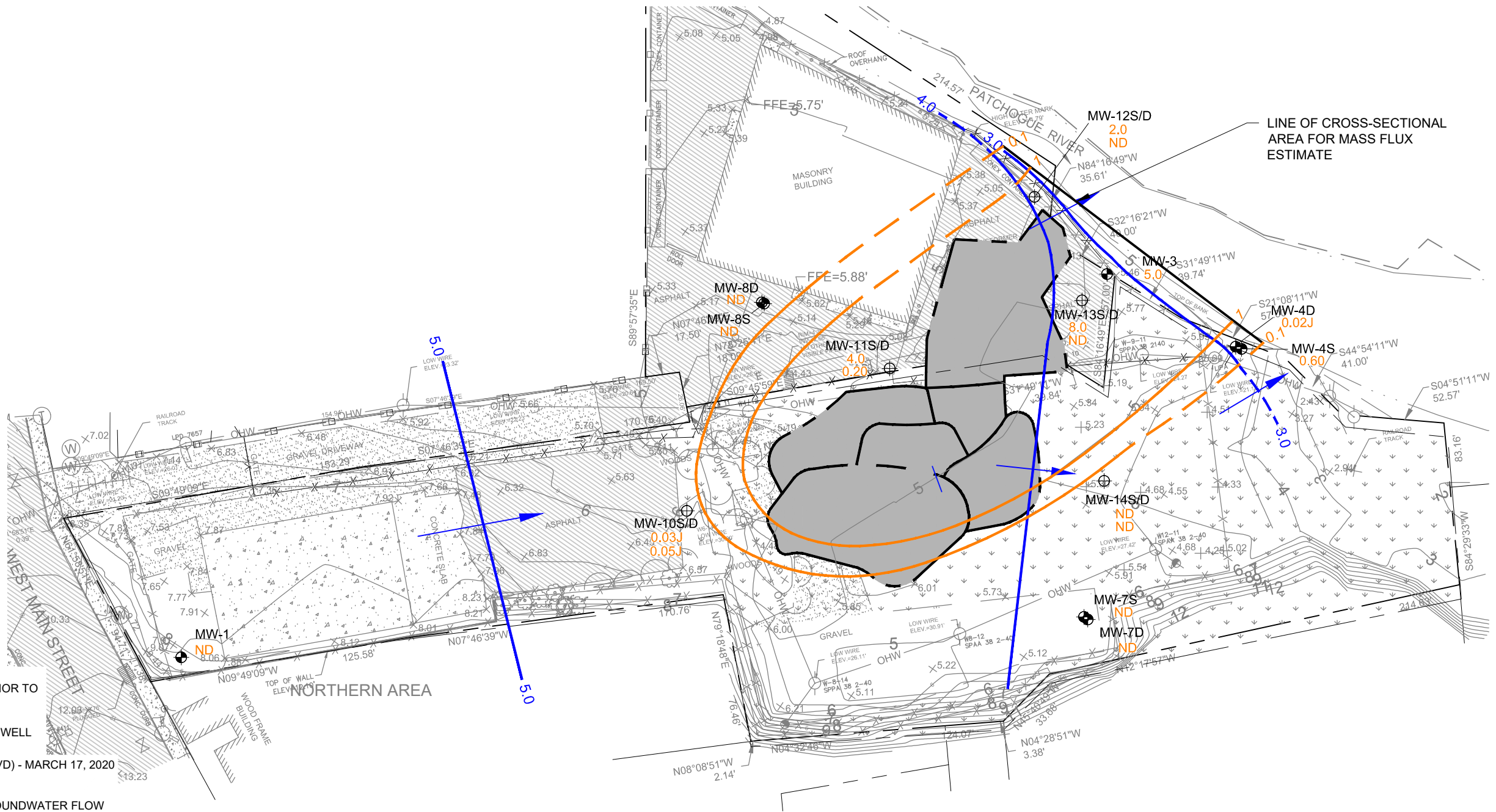
FIGURE

F-3



- LEGEND:
- PROPERTY LINE
 - x x FENCE
 - 10 — TOPOGRAPHIC CONTOUR
 - ⊕ MONITORING WELL INSTALLED PRIOR TO REMEDIATION
 - ⊕ POST-REMEDIATION MONITORING WELL
 - 4 — WATER TABLE CONTOUR (FT., NAVD) - MARCH 17, 2020
DASHED WHERE INFERRED
 - ➔ GENERALIZED DIRECTION OF GROUNDWATER FLOW
 - 1 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED).
LOGARITHMIC CONTOUR INTERVAL (µg/L)
 - 5.0 PYRENE CONCENTRATION IN GROUNDWATER (µg/L) - MARCH 2020
 - J ESTIMATED CONCENTRATION
 - ND NOT DETECTED

NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA
TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE
MODEL", DATED DECEMBER 17, 2008.



SCALE: 1" = 60'
153021
DATE: May 6, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

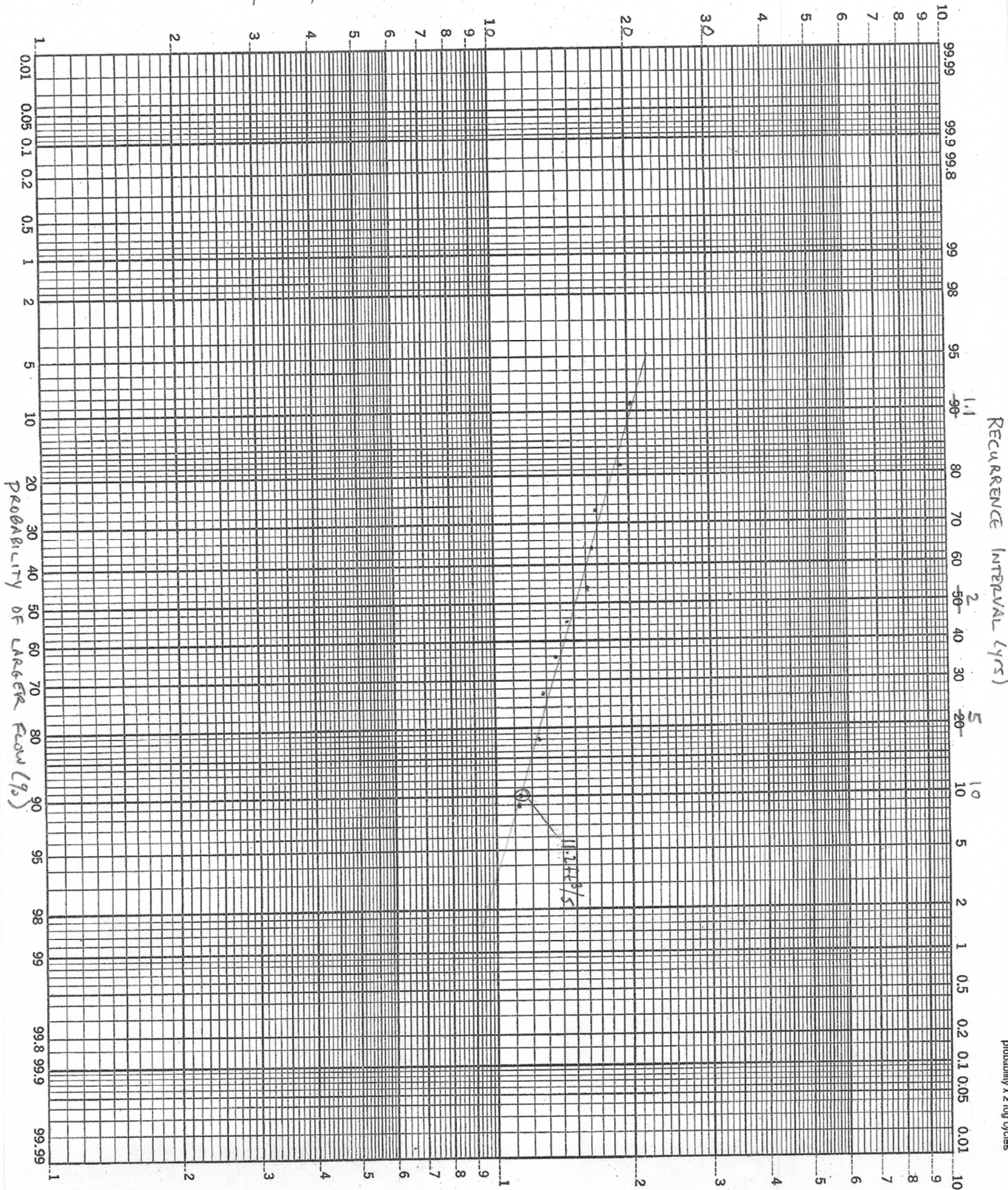
PYRENE IN GROUNDWATER
MARCH 2020

FIGURE
F-4

Attachments



YEARLY 7 CONSECUTIVE DAY FLOW (ft³/s)



**ATTACHMENT F-2
MASS FLUX CALCULATIONS - ACENAPHTHENE
PATCHOGUE RIVER**

Mass Flux Calculation

Enter site data in yellow highlighted cells

Acenaphthene (March 2020)

Figure No.

See Figure F-2

mf =	kiA	* C
Where:	mf = mass flux, µg/s	
	k = hydraulic conductivity, cm/s	
	i = hydraulic gradient, dimensionless	
	A = cross-sectional area, cm ² (l * b)	
	C = (µg/L)/1000=µg/cm ³	

Shallow Groundwater Flux

0.1-1 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells	Contour Interval	Geomean	Segment Length	Thickness
i =	0.013	hydraulic gradient, dimensionless	Measured in vicinity of selected contours	0.1			
C =	0.316227766	µg/L =	Geometric mean concentration between selected contours	1	0.32	36	18
L =	36	ft =	Length of segment between selected contours [C]	10	3.16	90	18
b =	18	ft =	Saturated thickness	12	10.95	45	18
mf =	1.5E-02	µg/s	4.8E-01 g/yr	0.00105	lbs/yr		

1-10 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless	Measured in vicinity of selected contours
C =	3.16	µg/L =	Geometric mean concentration between selected contours
L =	90	ft =	Length of segment between selected contours [C]
b =	18	ft =	Saturated thickness
mf =	3.8E-01	µg/s	1.2E+01 g/yr
			0.0262 lbs/yr

10-12 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless	Measured in vicinity of selected contours
C =	10.95	µg/L =	Geometric mean concentration between selected contours
L =	45	ft =	Length of segment between selected contours [C]
b =	18	ft =	Saturated thickness
mf =	6.5E-01	µg/s	2.1E+01 g/yr
			0.045 lbs/yr
mf _{sgw} =	1	µg/s	33 g/yr
			0.1 lbs/yr

River Concentration

C _R =	mf _{sgw}	
	D _R	
Where:	D _R =	Patchogue River flow, L/s
	mf _{sgw} =	Shallow groundwater flux
		See above
	D _R =	11.2 ft ³ /s =
		317 L/s
C _R =	0.0033	µg/L

**ATTACHMENT F-3
MASS FLUX CALCULATIONS - FLUORENE
PATCHOGUE RIVER**

Mass Flux Calculation

Enter site data in yellow highlighted cells

Fluorene (March 2020)

Figure No.

See Figure F-3

mf =	kiA	* C
Where:	mf = mass flux, µg/s k = hydraulic conductivity, cm/s i = hydraulic gradient, dimensionless A = cross-sectional area, cm ² (l * b) C = (µg/L)/1000=µg/cm ³	

Shallow Groundwater Flux

0.1-1 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells	Contour Interval	Geomean	Segment Length	Thickness
i =	0.013	hydraulic gradient, dimensionless	Measured in vicinity of selected contours	0.1			
C =	0.316227766	µg/L =	Geometric mean concentration between selected contours	1	0.32	90	18
L =	90	ft =	Length of segment between selected contours [C]	2	1.41	65	18
b =	18	ft =	Saturated thickness				
mf =	3.8E-02	µg/s	1.2E+00 g/yr				
			0.00262 lbs/yr				

1-2 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless	Measured in vicinity of selected contours
C =	1.41	µg/L =	Geometric mean concentration between selected contours
L =	65	ft =	Length of segment between selected contours [C]
b =	18	ft =	Saturated thickness
mf =	1.2E-01	µg/s	3.8E+00 g/yr
			0.0085 lbs/yr
mf _{sgw} =	0	µg/s	5 g/yr
			0.0 lbs/yr

River Concentration

C _R =	mf _{sgw}	
	D _R	
Where:	D _R =	Patchogue River flow, L/s
	mf _{sgw} =	Shallow groundwater flux
	D _R =	11.2 ft ³ /s = 317 L/s
C _R =	0.00050	µg/L

**ATTACHMENT F-4
MASS FLUX CALCULATIONS - PYRENE
PATCHOGUE RIVER**

Mass Flux Calculation

Enter site data in yellow highlighted cells

Pyrene (March 2020)

Figure No.

See Figure F-4

mf =	kiA	* C
Where:	mf = mass flux, µg/s k = hydraulic conductivity, cm/s i = hydraulic gradient, dimensionless A = cross-sectional area, cm ² (l * b) C = (µg/L)/1000=µg/cm ³	

Shallow Groundwater Flux

0.1-1 Contour

					Contour		Segment	
					Interval	Geomean	Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells					
i =	0.013	hydraulic gradient, dimensionless	Measured in vicinity of selected contours		0.1			
C =	0.316227766	µg/L =	Geometric mean concentration between selected contours		1	0.32	38	18
L =	38	ft =	Length of segment between selected contours [C]		5	2.24	130	18
b =	18	ft =	Saturated thickness					
mf =	1.6E-02	µg/s	5.0E-01 g/yr	0.00111 lbs/yr				

1-5 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless	Measured in vicinity of selected contours
C =	2.24	µg/L =	Geometric mean concentration between selected contours
L =	130	ft =	Length of segment between selected contours [C]
b =	18	ft =	Saturated thickness
mf =	3.9E-01	µg/s	1.2E+01 g/yr
mf _{sgw} =	0	µg/s	13 g/yr

River Concentration

C _R =	$\frac{mf_{sgw}}{D_R}$	
Where:	D _R =	Patchogue River flow, L/s
	mf _{sgw} =	Shallow groundwater flux
	D _R =	11.2 ft ³ /s = 317 L/s
C _R =	0.00127	µg/L

Appendix G: Evaluation of Potential Impact to River from Site Constituents in Groundwater – June 2020 Data



Appendix G

Evaluation of Potential Impact to River from Site Constituents in Groundwater Patchogue Former MGP Site Patchogue, New York

As described in the Second Quarter 2020 Groundwater Monitoring Report, some potentially MGP-related constituents were detected in the shallow groundwater (i.e., the upper ± 18 feet) in the vicinity of the ISS mass during the second groundwater monitoring event following implementation of the site remedy. It is expected these constituents are a result of the disturbance of the subsurface that occurred during implementation of the ISS and, their presence is temporary. Shallow groundwater generally flows from northwest to the south and southeast across the Site toward the Patchogue River (see Figure G-1 for a depiction of shallow groundwater flow). The concentrations of most of the constituents that were detected and potentially mobile in the dissolved phase in groundwater (benzene and ethylbenzene) were below surface water quality criteria listed in the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). Therefore, they do not have the potential to impact the water quality in the river. However, the concentration in groundwater of four potentially mobile constituents (acenaphthene, fluorene, naphthalene and pyrene) were above their respective applicable surface water quality criteria. Although it was not anticipated that these constituent concentrations would result in an impact to surface water quality if they discharged to the river, a mass flux analysis was conducted to confirm this. The concentrations of acenaphthene, fluorene and pyrene in the June 2020 samples were similar (within the same order of magnitude) to those in the March 2020 samples. Since the estimated surface water concentrations of these three constituents based on the mass flux analysis using the March 2020 data (see Appendix F) were three orders of magnitude below applicable surface water criteria, an additional estimation of concentrations of these constituents in the river is not necessary, and the analysis discussed herein was conducted for naphthalene only.

An analysis was conducted to assess the potential for discharge of naphthalene in shallow groundwater to impact water quality in the Patchogue River. The evaluation was conducted by estimating the rate at which a mass of naphthalene, dissolved in groundwater, may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). This approach is consistent with that described in the document entitled "Groundwater Remediation Strategies Tool" (American Petroleum Institute Publication 4730, December 2003). The equation for calculating the mass flux of a constituent is:

$$mf = \sum C_i q_i A_i$$

Where: mf = total mass flux of dissolved constituent from the source ($\mu\text{g}/\text{sec}$)

C_i = concentration of the constituent ($\mu\text{g}/\text{mL} = \mu\text{g}/\text{cm}^3$)

q_i = specific discharge through the flow area (cm/sec)

where: $q_i = K_i i$, with K = hydraulic conductivity (cm/sec) and i = hydraulic gradient (cm/cm)



A_i = flow area perpendicular to flow (figure cm²)

where: $A_i = (L)(b)$, with L=width of constituent plume perpendicular to flow and b=plume thickness

In applying this evaluation to the Site, an estimate of mass flux of a constituent (in µg/sec) was calculated for shallow groundwater. The mass flux for the shallow groundwater was calculated across a cross-sectional flow area positioned at the downgradient side of the former MGP site, aligned perpendicular to groundwater flow (which in this case is typically parallel or sub-parallel to the shore line). The vertical dimension of the flow area is equal to the plume thickness (b) within the shallow groundwater. The horizontal dimension of the flow area, L, is equal to the width of the constituent plume, which is based on the isoconcentration contours developed from the results of the June 2020 sampling event (see Figure G-2). The concentration of site constituents in the Patchogue River resulting from groundwater discharge was estimated using the following equation:

$$C_R = mf_{sgw} / D_R$$

Where: C_R = Concentration of constituent in the river (µg/L)

mf_{sgw} = Mass flux to the river from shallow groundwater (µg/s)

D_R = Patchogue River volumetric flow (L/s)

To address some of the uncertainties in this evaluation, conservative assumptions were made in the above-described calculations which result in river water concentration estimates that are biased high. These assumptions are as follows:

- The hydraulic gradient (i) of groundwater is variable across the Site and thus, the highest hydraulic gradient value was used in the calculation. The larger the value of i, the greater the calculated value of mass flux.
- The plume thickness (b) was estimated conservatively by using the distance from the top of the water table to the top of the well screen of a deeper well at a well couplet, yet the actual plume thickness may be somewhat less, as site constituents were either not detected or detected at very low levels in the deeper wells positioned adjacent to the river. The larger the value of b, the greater the calculated value of mass flux.
- The river volumetric flow value used to calculate in river concentrations (11.2 ft³/s or 317 L/s) was derived using a 7Q10 flow analysis (the lowest 7-day average flow that occurs, on average, once every 10 years) for the period April 1, 1958 through March 31, 1968 using data from a USGS river gauging station proximal the Site (USGS 01306000, Patchogue River at Patchogue New York). Thus, it was assumed for this estimate that the flow rate in the river is equal to that during periods of very low flow, and the lower the assumed river flow, the greater the estimated concentration in the river water. For comparison, the mean river flow rate at the same river gauging location using data from 1945 to 1976 is 20.4 ft³/s (579 L/s). Table G-1 provides the data used to determine the 7Q10 flow in the Patchogue River. Attachment G-1 presents the data plotted on log probability paper and the resultant 7Q10 flow value.

To screen for potential impacts to the river, the estimated concentration of naphthalene was calculated using the above-described method and compared to the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004). Listed in the table below are standards and guidance values for naphthalene that are applicable to the various classes of fresh water.

Fresh Surface Water Standards and Guidance Values

Substance	Water Class (per 6NYCRR Part 701)	Standard (µg/l)	Guidance Value (µg/l)	Protection for:
Naphthalene	A, A-S, AA, AA-S, B, C	--	13	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	110	Fish survival
	A, A-S, AA, AA-S	10	--	Aesthetics

Attachment G-2 contains the calculations and results for this constituent. The estimated concentration of naphthalene in the Patchogue River resulting from site groundwater impacts is 0.0197 µg/L. This conservatively-estimated (i.e., biased high) concentration is three orders of magnitude below the surface water standards and guidance values listed above, including the lowest standard applicable to Class C surface waters. Also, the estimated concentration is below the analytical laboratory detection limits for this constituent. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.



Tables



TABLE G-1
SUMMARY OF DATA USED TO CALCULATE 7Q10 FLOW IN PATCHOGUE RIVER
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Water Year ⁽¹⁾	Low Flow (ft ³ /s)	Rank	Probability
1961	20.1	1	0.091
1958	19.1	2	0.182
1960	16.9	3	0.273
1962	16.6	4	0.364
1959	16.0	5	0.455
1967	14.4	6	0.545
1964	13.6	7	0.636
1965	12.9	8	0.727
1963	12.4	9	0.818
1966	11.1	10	0.909

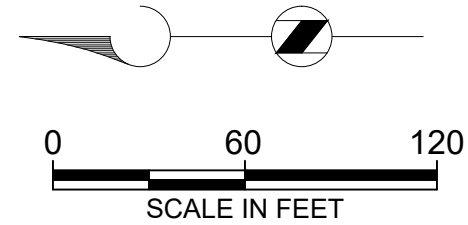
Notes:

(1) - 7Q10 flow (ft³/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through 3/31/1968.

ft³/s - cubic feet per second

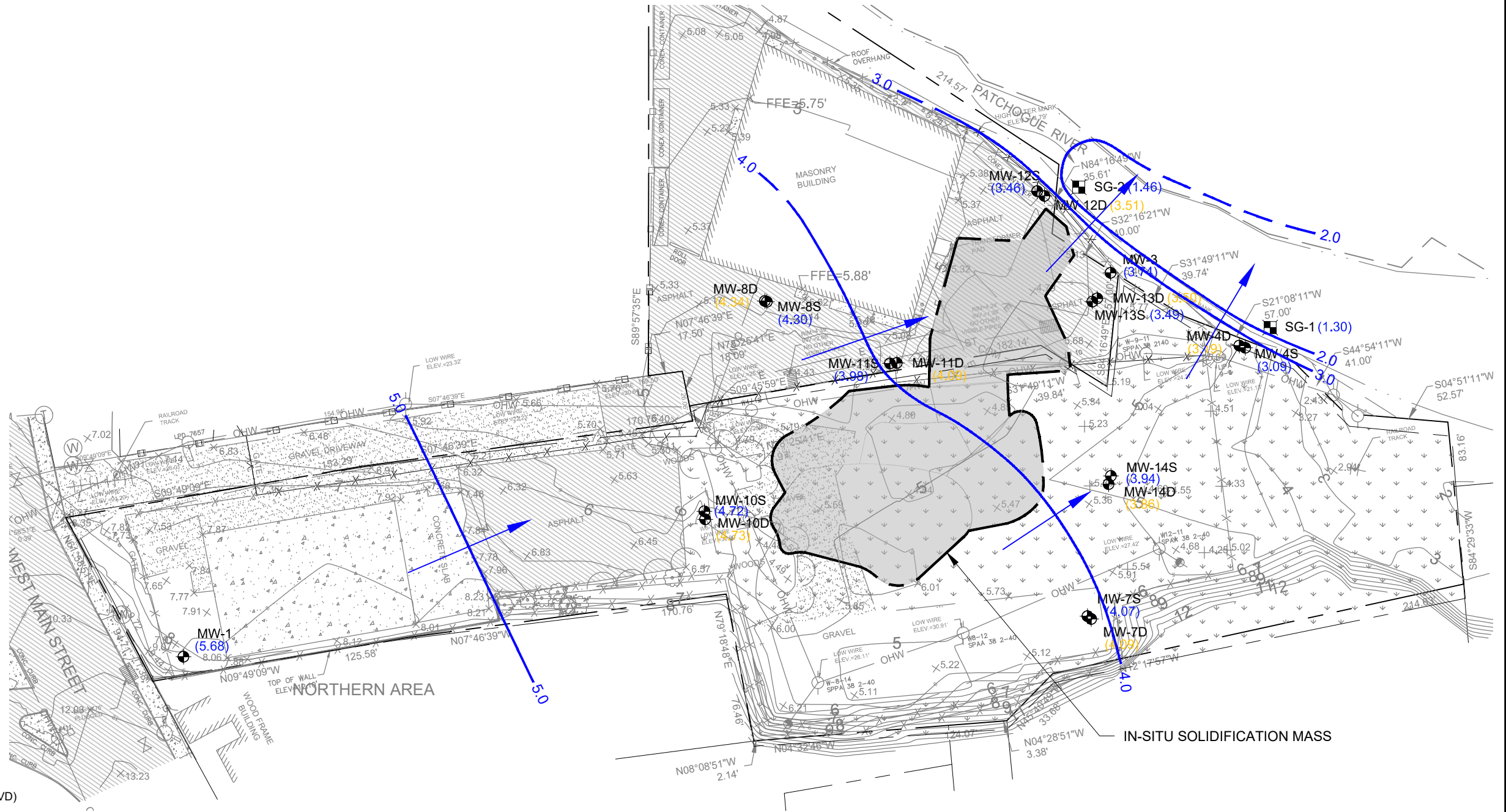
Figures





- LEGEND:
- PROPERTY LINE
 - x — FENCE
 - 10 — TOPOGRAPHIC CONTOUR
 - ⊕ — MONITORING WELL LOCATION
 - — STAFF GAGE LOCATION
 - 4.0 — WATER TABLE CONTOUR (FT., NAVD)
DASHED WHERE INFERRED
 - (4.30) — GROUNDWATER ELEVATION (FT., NAVD) FROM
SHALLOW MONITORING WELL (SCREENED ACROSS OR
CLOSE TO WATER TABLE) OR RIVER LEVEL FROM
STAFF GAUGE (FT., NAVD).
 - (4.34) — GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP
MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE
NOT USED FOR CONTOURING.
 - ➡ — GENERALIZED DIRECTION OF GROUNDWATER FLOW

NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA
TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE
MODEL", DATED DECEMBER 17, 2008.



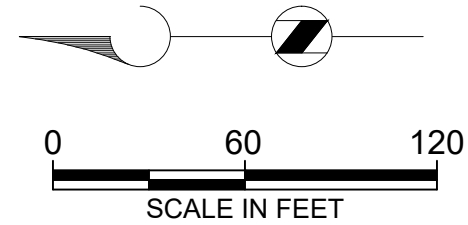
SCALE: 1" = 60'
153021
DATE: July 29, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP
JUNE 29, 2020

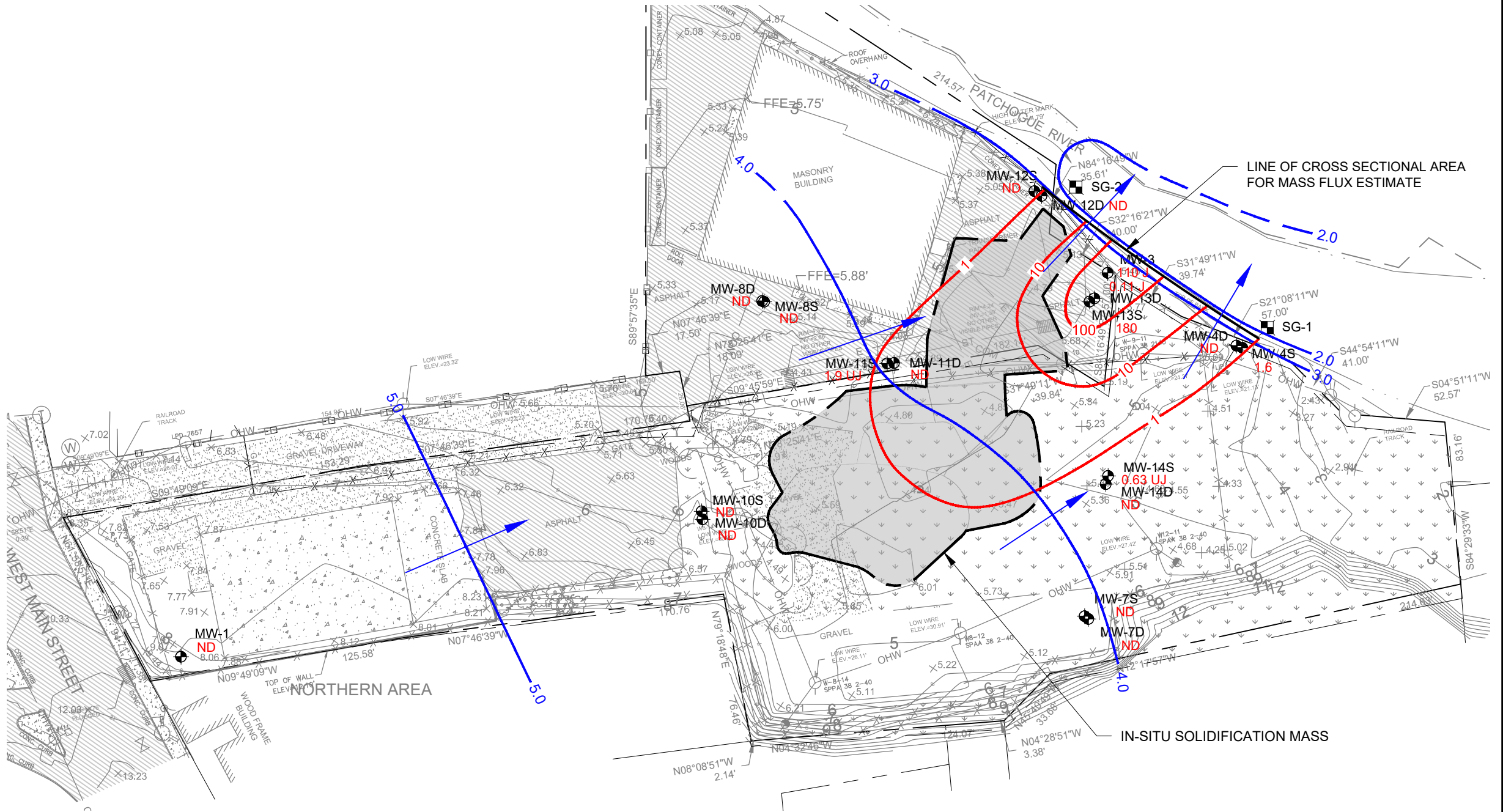
FIGURE

G-1



- LEGEND:
- PROPERTY LINE
 - FENCE
 - TOPOGRAPHIC CONTOUR
 - MONITORING WELL LOCATION
 - STAFF GAGE LOCATION
 - 4.0 WATER TABLE CONTOUR (FT., NAVD)
DASHED WHERE INFERRED
 - GENERALIZED DIRECTION OF GROUNDWATER FLOW
 - 10 ISOCONCENTRATION CONTOUR.
LOGARITHMIC CONTOUR INTERVAL ($\mu\text{g/L}$)
 - 1.6 NAPHTHALENE CONCENTRATION IN GROUNDWATER ($\mu\text{g/L}$) -
JUNE 2020
 - J ESTIMATED CONCENTRATION
 - ND NOT DETECTED

NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING
ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.



SCALE: 1" = 60'

153021

DATE: Septem 11, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

NAPHTHALENE IN GROUNDWATER
JUNE 2020

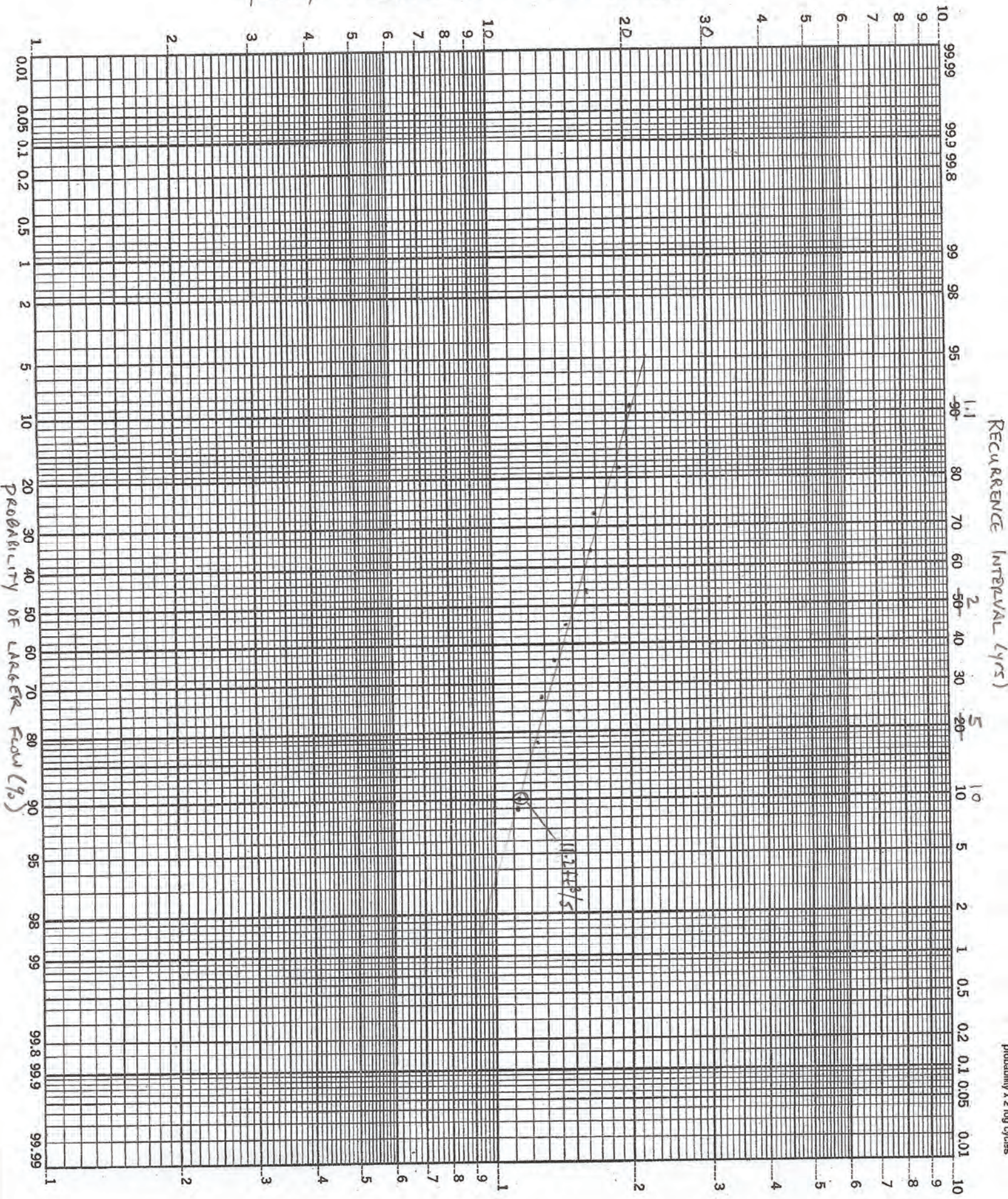
FIGURE

G-2

Attachments



YEARLY 7 CONSECUTIVE DAY FLOW (ft³/s)



**ATTACHMENT G-2
MASS FLUX CALCULATIONS - NAPHTHALENE
PATCHOGUE RIVER**

Mass Flux Calculation

Enter site data in yellow highlighted cells

Naphthalene (June 2020)

Figure No.

See Figure G-2

mf =	kiA	* C
Where:	mf = mass flux, µg/s k = hydraulic conductivity, cm/s i = hydraulic gradient, dimensionless A = cross-sectional area, cm ² (l * b) C = (µg/L)/1000=µg/cm ³	

Shallow Groundwater Flux

1-10 Contour

					Contour		Segment	
					Interval	Geomean	Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells		1			
i =	0.014	hydraulic gradient, dimensionless	Measured in vicinity of selected contours					
C =	3.16 µg/L =	0.00316 µg/cm ³	Geometric mean concentration between selected contours		10	3.16	66	18
L =	66 ft =	2011.68 cm	Length of segment between selected contours [C]		100	31.62	32	18
b =	18 ft =	548.64 cm	Saturated thickness		110	104.88	30	18
mf =	3.0E-01 µg/s	9.4E+00 g/yr	0.02070 lbs/yr					

10-100 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells
i =	0.014	hydraulic gradient, dimensionless	Measured in vicinity of selected contours
C =	31.62 µg/L =	0.0316 µg/cm ³	Geometric mean concentration between selected contours
L =	32 ft =	975.36 cm	Length of segment between selected contours [C]
b =	18 ft =	548.64 cm	Saturated thickness
mf =	1.4E+00 µg/s	4.6E+01 g/yr	0.1003 lbs/yr

100-110 Contour

k =	6.1E-03	hydraulic conductivity, cm/s	Geometric mean of PDI slug tests for shallow water table wells
i =	0.014	hydraulic gradient, dimensionless	Measured in vicinity of selected contours
C =	104.88 µg/L =	0.105 µg/cm ³	Geometric mean concentration between selected contours
L =	30 ft =	914.4 cm	Length of segment between selected contours [C]
b =	18 ft =	548.64 cm	Saturated thickness
mf =	4.5E+00 µg/s	1.4E+02 g/yr	0.312 lbs/yr
mf _{sgw} =	6 µg/s	197 g/yr	0.4 lbs/yr

River Concentration

C _R =	$\frac{mf_{sgw}}{D_R}$	
Where:	D _R =	Patchogue River flow, L/s
	mf _{sgw} =	Shallow groundwater flux
	D _R =	11.2 ft ³ /s = 317 L/s
C _R =	0.0197 µg/L	