HYDROGEOLOGIC ASSESSMENT REPORT

TAX PARCEL 113-6.00-123.00
GEORGETOWN, DELAWARE

February 2020

Prepared for:

CleanBay Renewables
525 S. Washington Street
Easton, Maryland 21601

Prepared by:

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*****DRAFT*****

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Project No. 14320.EA

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I. INTRODUCTION

Duffield Associates, Inc. (Duffield) has prepared this Hydrogeologic Assessment Report to characterize "baseline" subsurface conditions prior to potential redevelopment of tax parcel 133-6.00-123.00 in Georgetown, Delaware (the Property). The Property location is presented on Figure 1. The site boundaries are shown on an aerial image derived from the Sussex County website (Appendix 1).

The Delaware Department of Natural Resources and Environmental Control, Solid and Hazardous Waste Management Section (DNREC-SHWMS) required a hydrogeologic assessment as part of the permit application process for the planned Resource Recovery Facility. The DNREC-SHWMS issued a written outline of Hydrogeological Assessment Requirements to CleanBay Renewables. A copy of the Hydrogeological Assessment Requirements is included as Appendix 2. Duffield used the referenced outline as a guide to complete the assessment.

The Hydrogeologic Assessment included the following tasks:

1. Characterization of the Property in terms of location, topography, and surface water drainage.
2. Description of the geology and groundwater characteristics of the Property, and surrounding area based on published and publicly available documents.
3. Evaluation of soil borings and monitor well data to characterize site-specific subsurface soil and groundwater characteristics.
4. Groundwater quality sampling to provide background groundwater quality conditions at the Property.
5. Determination of groundwater elevation and flow direction at the Property.
6. A limited review of the Property for Recognized Environmental Conditions (RECs).
7. Assessment of planned groundwater use, handling of storm water, and wastewater facilities proposed for the Property.

II. PROJECT SITE AND ADJACENT LANDS

The Property is located on the southbound side of DuPont Highway approximately 2.5 miles southeast of Georgetown, Delaware. Mapping on the Sussex County, Delaware website, shows the Property occupying approximately 25± acres, and zoned for agricultural-residential use. The Property is currently owned by Wayne and Lenorra Howard, and contains one abandoned two-story single-family house. Based on Duffield's site reconnaissance, it appears that the single-family home on the Property was served by an on-site water supply well and septic system.

The Property is bordered by the following developed properties:

- Breasure Road to the north, beyond which are single family homes;
- Horse Pound Swamp Ditch to the south, beyond which is a single-family home and farm;
- A private airstrip to the west, beyond which is an extractive-use operation (borrow pit);
- DuPont Boulevard to the east, beyond which is a Pep-Up Inc. office and bulk petroleum plant, a granite store, and antique shop.

III. TOPOGRAPHY AND SURFACE WATER DRAINAGE

Topographic mapping by the Delaware Geological Survey (DGS), Department of Transportation, and DNREC shows the Property as gently sloping from an elevation of approximately 43 feet above mean sea level (MSL) at the north end of the Property to approximately 35 feet above MSL just south of the Property along a tax ditch named Horse Pound Swamp Ditch. Accordingly, surface water is expected to drain from north to south across the Property. Topography of the Property is presented on Figure 2.

IV. GEOLOGY AND GROUNDWATER CHARACTERISTICS

The Property is located within the Coastal Plain Physiographic Province, which is characterized by flat to gently sloping land surfaces underlain by sedimentary deposits. Mapping by the Delaware Geological Survey (2010) indicates that the project site is just south of the Georgetown Quadrangle Geologic Map which indicates that the area south of Georgetown is underlain in succession by sediments of the Beaverdam and Cat Hill Formations.

The Beaverdam Formation is described by the DGS as a heterogeneous unit ranging from very coarse sand with pebbles to silty clay. The predominant lithology encountered near surface is white and gray reddish-brown silty to clayey, fine to coarse sand. The sands of the Beaverdam commonly have white silt matrix that creates a milky appearance in drill cuttings. Rare beds of red silty sand are sometimes encountered at the contact of the Beaverdam and Cat Hill Formations

The Cat Hill Formation is described by the DGS as yellowish-brown to light gray medium to fine sand with thin beds of laminae of medium to coarse sand and with some pebbles. The Cat Hill Formation ranges from 100 to 120 feet in the vicinity of Georgetown.

Duffield reviewed a soil-boring log for an observation well on the Delaware Geological Information Resource (DGIR) website. The referenced observation well (DGS designation Pf24-01) was installed in a right-of-way at the north corner of the Property. A gamma log recorded during installation of the well was obtained from the DGIR website and is included Appendix 3. The gamma readings on the log are shown to increase over the depth interval of approximately 80 to 100 feet below ground surface,

indicating a silt or clay layer marking the base of the unconfined aquifer. The gamma values decrease from about 120 feet to 200 feet, and may indicate sands of the Manokin Aquifer.

Water levels were measured in the referenced DGS observation well from the early 1980s to sometime after 2001. The water levels measured in the well during that time ranged from approximately 5.4 to 10.4 feet. Water level measurements are typically taken from the top of the well casing, and the well casing for Pf24-01 is approximately two feet above ground surface.

The United States Geological Survey, Hydrologic Investigations Atlas (1968) maps a groundwater elevation contour of 40 feet above MSL west of the Property and a groundwater elevation contour of 30 feet above MSL east to southeast of the Property, suggesting a groundwater flow direction of east to southeast across the Property. While groundwater elevations vary seasonably, the groundwater elevation contours suggest a depth to groundwater of six feet below ground surface on the north end of the Property to approximately two feet below ground surface on the south end of the Property near Horse Pound Swamp Ditch. Site specific depth to water measurements are discussed in later sections of this report.

V. ENVIRONMENTAL ISSUES

Duffield reviewed the DNREC Environmental Navigator (DEN) website in order to determine if the Property of nearby properties are listed on DNREC's database because of environmental issues. The review was completed on November 20, 2019 and the Property was not included in the DEN database system. The following properties were located on the DEN mapping system within 1,000 feet of the Property.

1. Registered Underground Storage Tank (UST)

   One 500-gallon heating oil was removed from 24602 DuPont Boulevard, approximately 1,000 feet north of the Property. The UST was removed under the DNREC Heating Fuel UST Closure Assistance Program. Soil samples were collected from the tank location following removal, and total petroleum hydrocarbons-diesel range organics (DRO) were reported at 260 parts per million (ppm) in the soil excavated to remove the tank, and reported at 266 ppm in a sample collected two feet beneath the tank.

   The DNREC Tank Management Section (DNREC-TMS) issued a letter dated November 26, 2018 indicating that any residual contamination at the site should not pose a threat to human health and safety, or the environment. No further action (NFA) was required by the DNREC, Tank Management Section. A copy of the NFA is included as Appendix 4.

2. Leaking Underground Storage Tank Site (LUST)

   The DEN maps a LUST site marked approximately 200 feet northwest of the Property. The facility detail information indicates that the location is RD 1 Box 181 in

Georgetown, Delaware and the owner is Perry Belote. The coordinates provided by the DEN website suggest that the LUST site is located at 32762 Ashwood Drive and is currently owned by William Givens. According to a letter issued by the DNREC-TMS (Appendix 4), the Belotes noted a "diesel odor" in their well water. The DNREC-TMS collected a water sample from the well for analysis at the DNREC laboratory. The sample was analyzed for total petroleum hydrocarbons (TPH) and the volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX). Neither TPH nor BTEX compounds were detected above the laboratory reporting limits in the water sample, and no further action was taken. Documents were not available for the site on the DEN website.

VI. TEST BORINGS

Four soil borings and groundwater monitoring wells were installed at the Property in November 2019 using a hollow-stem rotary drill rig equipped with a split spoon sampler. Soil samples were collected on a continuous basis to depths of 30 feet below ground surface to characterize soil textures and groundwater conditions. The boring locations are presented on Figure 3. Copies of the soil boring logs are included in Appendix 5.

The soils encountered in the boreholes consisted of tan to light gray fine to medium sands with trace to some silt. A silty clay layer was encountered from 12 to 14 feet below grade in test boring TB-3/MW-3. Groundwater was encountered approximately 6 feet to 9.5 feet below ground surface in the boreholes.

A diesel fuel odor was detected in soils collected at, and below the water table interface in soil boring TB/MW-1 (nearest to the dwelling on the Property). No petroleum or staining was observed in the soils or groundwater.

Soils from the test borings were screened in the field for volatile organic compounds (VOCs) using a photoionization detector (PID). The soils collected from TB-1/MW-1 generated PID readings above background levels, with the highest reading recorded at 18.4 deflection units in soils collected at the water table interface.

The augers and split spoon samplers were decontaminated between boring locations using a pressure washer, non-phosphate solution, and distilled water.

VII. MONITORING WELLS

Four groundwater monitoring wells (MW-1 through MW-4) were installed between November 19 and November 25, 2019 at the Property by CGC Geoservices, LLC. The wells were constructed with two-inch diameter PVC casing and 20-slot well screen. The well permits and well completion reports are included in Appendix 6.

Monitoring wells MW-1 and MW-2 were screened from 5 feet to 25 feet below ground surface. Monitoring wells MW-3 and MW-4 were screened from 5 feet to 20 feet below ground surface. The borehole space around each well screen was backfilled using No. 2 filter sand to a level approximately 2 feet above the top of the screen. The borehole space above the filter sand was sealed using granular bentonite. The monitoring wells were finished approximately 3 feet above ground surface within protective steel casings.

The monitoring wells were developed by CGC Geoservices between November 21 and November 25, 2019 using dedicated tubing and surge cones. The tubing was attached to a gas-powered surface pump, and the purge water was discharged at least 30 feet from the well locations. The purge water from monitoring well MW-1 was contained in two 55-gallon metal drums because of the apparent diesel odor noted during drilling.

VIII. GROUNDWATER FLOW DIRECTION

The well casing and ground surface elevations were surveyed at each location by Transition Engineering Surveying, LLC. Duffield utilized depth to water measurements and the well casing elevations to determine groundwater elevation data and groundwater flow direction at the Property. The well information and water table elevation data for water levels measured on December 16, 2019 are presented in feet above mean sea level (MSL) as follows.

Local Well ID	Well Permit Number	Top of Casing Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)
MW-1	267968	45.07	13.41	31.66
MW-2	267969	44.12	13.68	30.44
MW-3	267970	42.05	11.73	30.77
MW-4	267971	42.45	11.60	30.85

The survey plan prepared by Transition Engineering Surveying, LLC is included as Appendix 7. Figure 4 shows the groundwater elevations, contours of equal groundwater elevation, and direction of groundwater flow at the Property as measured on December 16, 2019. As indicated by the water table elevation contours, a radial pattern of groundwater flow is indicated, with a south-southwesterly trend on the west side of the Property and an easterly flow on the east side of the Property. The groundwater flow pattern appears to be influenced by the surface water drainage of Horse Pound Swamp Ditch as it passes along the west and south boundaries of the Property and then flows east.

IX. GROUNDWATER QUALITY MONITORING

Baseline groundwater quality monitoring was completed on December 16, 2019 and December 23, 2019 using the four installed monitoring wells at the Property. The monitoring and sampling procedures were completed as follows.

- The depth to groundwater was measured in each well using an electronic water interface probe.
- The wells were purged of a minimum of three volumes of water prior to sampling using a variable flow submersible pump.
- Field measurements of pH, temperature, dissolved oxygen, conductivity, turbidity, and oxidation-reduction potential were measured using an electronic water quality meter. Copies of the field monitoring sheets are included as Appendix 7.
- Once the field parameters stabilized, groundwater samples were collected from each well and placed in laboratory-prepared bottle ware.

The final field measurements recorded prior to collecting groundwater samples from the four monitoring wells are summarized in the following table.

Field Testing Parameter	MW-1	MW-2	MW-3	MW-4
pH	5.73	4.96	5.34	4.65
Conductivity (mS/cm)	299	159	143	191
Temperature C	15.7	15.4	13.0	15.7
Dissolved Oxygen (mg/L)	2.54	8.18	8.92	9.53
Redox Potential (mv)	112	291	232	255

The pH levels in groundwater at all four well locations were below the EPA's Secondary Drinking Water Standard range of 6.5 to 8.5, but the pH of water in the unconfined aquifers of the Delaware Coastal Plain are typically acidic. National Secondary Drinking Water Regulations (NSDWRs or secondary standards) are non-enforceable guidelines for constituents in water that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color).

The higher conductivity, and lower dissolved oxygen and redox potential in the groundwater at the location of MW-1 may indicate some effects from human activity near the location where the house and other outbuildings were located. Conductivity reflects the amount of dissolved ions in a liquid. Examples of sources that might produce higher conductivity levels in groundwater include road salt application, wastewater systems, nutrients from fertilizers, and directly from native soils and rock.

The groundwater samples collected for laboratory analysis were placed on ice in a transport cooler and submitted to Envirocorp Laboratories, Inc., Test America, Inc., and ESML Analytical, Inc. for analysis of the following:

- Total Dissolved Solids (TDS)
- Total Suspended Solids (TSS)
- Chemical Oxygen Demand
- Biological Oxygen Demand
- Total Nitrogen
- Ammonia Nitrogen
- Kjeldahl Nitrogen

- Nitrates
- Nitrites
- Cyanide
- Chlorides
- Sodium
- Sulfide
- Total Phosphorus
- Total Phosphorus, Soluble
- Ortho Phosphorus as P, Soluble
- Salmonella
- Fecal Coliform
- Campylobacter
- EPA Target Compound List (TCL) Volatile Organic Compounds
- EPA TCL Semi-Volatile Organic Compounds
- EPA TCL Pesticides and Herbicides
- EPA Target Analyte List Metals (arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, selenium, sodium, zinc)

Copies of the laboratory reports are included in Appendix 8, and the laboratory analyses are summarized on the tables in Appendix 9. The data included in the summary tables is limited to those testing parameters that were detected above the laboratory reporting limits. "Non-detect" results are included in the full laboratory reports.

The results are compared to the DNREC, Remediation Section (DNREC-RS) Screening Level Table, the DNREC-RS Reporting Levels, and the EPA Drinking Water Standards.

The Hazardous Substance Cleanup Act (HSCA) Screening Level Table (updated November 2019), is used as a screening tool and the screening levels are not considered site-specific cleanup levels. However, exceedances of the DNREC Reporting Levels are subject to the notification requirement included in the DNREC "Guidance for Notification Requirements" (updated November 2019). If DNREC Reporting Levels are exceeded, and the owner or operator of a property is planning to undertake land disturbing activities, then DNREC must be notified. Notification does not mean that remediation will be necessarily be required, but the DNREC-RS will review the available information and decide if further action is warranted. No DNREC Reporting Levels were exceeded for the samples collected at the Property.

TCL and TAL Analytes

None of the TCL VOCs, TCL semi-volatile organic compounds, or TCL Pesticides and Herbicides were detected above the laboratory reporting limits in the groundwater samples, with the following exceptions:

- Toluene was reported at 5.3 micrograms per liter (ug/L) in the sample collected from monitor well MW-3, but was well below the DNREC-RS Screening Level of 110 ug/L.

- Chloroform was reported at 0.82 ug/L in the sample collected from well MW-1. This concentration exceeds DNREC Screening Level of 0.22 mg/L, but is well below the DNREC-RS Reporting Level of 80 ug/L.

The inorganics aluminum, barium, calcium, cobalt, iron, lead, manganese, magnesium, nickel, potassium, sodium, and zinc were detected in one or more of the groundwater samples. The following metals exceeded HSCA Screening Levels or EPA Drinking Water Standards:

- The concentrations of cobalt in all four groundwater samples exceeded the DNREC-RS Screening Level. The DNREC-RS Guidance for Notification Requirements does not include a reporting level for cobalt in groundwater for which a property owner is required to notify DNREC prior to earth disturbing activities.
- The concentration of manganese in the groundwater samples collected from monitor wells MW-1, MW-3 and MW-4 exceeded the DNREC-RS Screening Level and the EPA Secondary MCL. The DNREC-RS Guidance for Notification Requirements does not include a reporting level for manganese in groundwater for which a property owner is required to notify DNREC prior to earth disturbing activities.
- The concentration of iron reported in the groundwater sample collected from MW-1 exceeded the DNREC-RS Screening Level. The DNREC-RS Guidance for Notification Requirements does not include a reporting level for iron in groundwater for which a property owner is required to notify DNREC prior to earth disturbing activities.
- The concentration of barium reported in the groundwater sample collected from MW-3 exceeded the DNREC-RS Screening Level, but was well below the DNREC-RS Reporting Level. The highest concentration of barium was reported at 404 ug/L in well MW-2. The DNREC Reporting Level is 2,000 ug/L.

These metals are naturally occurring and it is not uncommon for the concentrations to exceed the DNREC-SR Screening Levels or EPA Secondary MCLs in groundwater of unconfined aquifers in the Coastal Plain.

<u>Nitrogen Compounds</u>

The concentration of nitrates ranged from 7.78 mg/L in monitoring well MW-2 to 15.3 mg/L in monitor well MW-4.

Nitrites were only detected in MW-1 at a concentration of 0.76 mg/l, which is less than the EPA MCL of 1.0 mg/L.

Ammonia nitrogen was not detected above the laboratory reporting limits in the four groundwater samples.

Total Kjeldahl nitrogen was reported at concentrations ranging from 0.177 mg//L in the sample collected from MW-2 to 2.20 mg/L in the sample collected from MW-1.

Total nitrogen concentrations ranged from 7.96 mg/Lin the sample collected from MW-2 to 15.6 mg/L in the sample collected from MW-4. The concentrations of nitrates and total nitrogen reported in the samples collected from wells MW-1, MW-3, and MW-4 exceed the EPA Primary Drinking Water Standard MCL of 10 mg/L.

Biological Analysis

Salmonella, fecal coliform bacteria, and camplylobacter bacteria were not detected in the four groundwater samples.

Phosphorus

Ortho phosphorus was reported at 0.05 mg/L in the groundwater sample collected from monitor well MW-3, but was not detected at the other three well locations. Total phosphorus and soluble total phosphorus concentrations were not detected above the reporting limits of 0.05 mg/L.

Chlorides, Sulfides, and Cyanide

Chlorides were reported in the four groundwater samples, ranging in concentration from 8.12 mg/L in MW-2 to 21.1 mg/L in well MW-1. Chlorides include salts that may be derived from agricultural run-off, winter road treatment, or wastewater. The EPA maintains a secondary drinking water standard of 250 mg/L for Chlorides.

Sulfides and cyanide were not detected above the laboratory reporting limits in the four groundwater samples.

Quality Control

A trip blank and equipment blank were submitted to Test America with the groundwater samples collected on December 16, 2019, and analyzed for the full TCL and TAL analyses. None of the referenced analytes was reported above the laboratory detection limits with the exception of toluene reported at 0.38 ug/L in the equipment blank.

Equipment blanks were submitted to Envirocorp for samples collected on December 16, 2019 and December 23, 2019. Sulfides and TDS were detected in the equipment blank collected on December 16, 2019, and TDS were detected in the equipment blank collected on December 23, 2019.

A blind duplicate samples was collected from monitor well MW-2. A comparison of analytes detected for the referenced well location are presented below in micrograms per liter.

Analyte	Monitor Well MW-2	Duplicate Sample	% Replicable
Aluminum	56.0	54.0	96
Barium	194	185	95
Calcium	10,400	10,100	97
Cobalt	1.6	1.6	100
Magnesium	3,750	3,590	96
Manganese	22.5	21.9	97
Potassium	6,300	6,080	96.5
Sodium	4,700	4,510	96
Nitrates	7.78	7.80	99.7
Kjeldahl N	0.177	0.162	91.5
Total N	7.96	7.96	100
COD	<10	18.0	<55
Chloride	8.12	8.23	99
TDS	106	110	96

Matrix spike and matrix spike duplicate samples were prepared and analyzed for monitor well MW-4. A discussion of the results is included under the case narrative of the laboratory report.

X. PLANNED WATER USE, STORMWATER HANDLING, AND WASTEWATER

Clean Bay Renewables plans to apply for an allocation permit to obtain the estimated 50-million gallons of process start-up water from the extractive use ponds on the adjacent property owned by the Melvin Joseph Company. The largest of the borrow pits is located approximately 350 feet west of the Property. Once the system is operational, the water will be recycled in the closed-loop digester system. Accordingly, CleanBay Renewables anticipates obtaining a temporary allocation permit to provide start-up water for the digester process from the neighboring borrow pit operation.

CleanBay Renewables also anticipates utilizing between 100,000 and 200,000 gallons of water per day for operations using an on-site supply well. Accordingly, a separate allocation permit will be obtained to install a supply well or wells for daily operations at the Property. Based on preliminary research, we anticipate that the well(s) will be screened in the Manokin Aquifer. The DGS installed a monitoring well at the north corner of the Property. Geophysical logs for the referenced well indicate the water-bearing Manokin Aquifer to be present from approximately 120 feet to 200 feet beneath ground surface beneath the Property.

An on-site wastewater treatment and disposal system (WTDS) will be sited and installed to accommodate waste facilities for the site workers. CleanBay Renewables anticipates that approximately 15 full-time workers will operate the process facilities. At this time, the planned facilities include bathrooms and a break room.

A Stormwater Management Report for the Property was prepared by Rauch, Inc. and is included as Appendix 10. Preliminary Sediment and Stormwater Management Plans by Rauch are included as Appendix 11. As indicated in the report and on the plans, four infiltration basins are proposed to handle stormwater on the Property. The report also indicates the following.

- Stormwater management measures will be implemented with respect to the inland bays pollution control strategy.
- Outfall for the Property will be diverted to an existing tax ditch (Horse Pound Swamp Tax Ditch).
- Facilities will be sized so that peak flows into the tax ditch will not be increased post-development.

XI. CONCLUSIONS

Based on a review of published literature, site-specific assessments, and information provided by CleanBay Renewables, Duffield offers the following comments.

1. The Property has a history of agricultural use, and the groundwater has been impacted with nitrogen compounds. Nitrates and total nitrogen concentrations exceeded the EPA MCL of 10 mg/L at three of the four monitoring well locations. It is common for nitrogen levels in groundwater to exceed the EPA MCL within the unconfined aquifers beneath agricultural areas in Delaware.

2. The concentration of chloroform in the sample collected from MW-1 exceeded the DNREC-RS Screening Level, but was well below the DNREC-RS Reporting Level. Chloroform is an organic compound that was historically used as an anesthetic and sedative, but also used in the production of pesticides and refrigerants. The chloroform detected in MW-1 may be residual remnants of pesticide use on the Property.

3. The concentrations of cobalt and manganese reported in the groundwater samples collected from MW-1, MW-3 and MW-4 exceed the applicable DNREC-RS Screening Levels. These metals are naturally occurring and there are no DNREC-RS Reporting Levels for these metals in groundwater. There are no Primary Drinking Water Standards for cobalt or manganese, but there is a Secondary Drinking Water Standard of 50 ug/L for manganese, which was exceeded in wells MW-1, MW-3 and MW-4.

4. If used as a potable water supply, groundwater from the unconfined aquifer would likely require treatment for nitrates and other constituents. Groundwater from deeper, confined aquifers may require treatment for naturally occurring conditions such as high iron or sulfides, but would be less susceptible to impacts from human activities.

5. Best available technology is planned to manage stormwater discharges in accordance with Requirements of 7 DEL C. Chapter 60. Regulations Governing the Control of Water Pollution, Section 9.1.02: Special Conditions for Stormwater Discharges Associated with Construction Activities, and Department Policies, Procedures, and Guidance.

6. A temporary allocation to withdrawal surface water form a neighboring extractive use facility is planned to supply start-up water for the proposed digester system.

7. One or more supply wells will be installed on-site to serve the Property. CleanBay Renewables anticipates using between 100,000 and 200,000 gallons per day. An allocation permit will be required, and the Manokin Aquifer will likely be the source of water supply for the Property.

8. Site development planning includes the installation of a WTDS to serve the property. The WTDS will be sited and installed in accordance with the "Delaware Department of Natural Resources and Environmental Control, Division of Water, Groundwater Discharges Section, Regulations Governing the Design, Installation, and Operation of On-Site Wastewater Treatment and Disposal Systems".

This report is based on our professional judgement of site conditions represented by soil borings, well gauging data, available maps, plans and well search data. While this evaluation was performed to generally characterize the hydrogeology of the project site, subsurface conditions between test boring and well locations are in fact unknown. In addition, this evaluation was based on conditions present during the field reconnaissance. It is important to note that latent conditions and other contingencies bearing upon the results of this study may become evident in the future.

XII. REFERENCES

1. http://www.arcgis.com/home/webmap/viewer (Topography)

2. Ramsey, Kelvin, Delaware Geological Survey, Geologic Map of the Georgetown Quadrangle, Delaware, 2010.

3. Delaware Geologic Information Resource website http://maps.dgs.udel.edu/dgir/draft/

4. Adams and Boggess, U.S. Geological Survey, "Water-Table, Surface Drainage, and Engineering Soils Map of the Harbeson Quadrangle, Delaware", Hydrologic Investigations Atlas HA-121, 1964.

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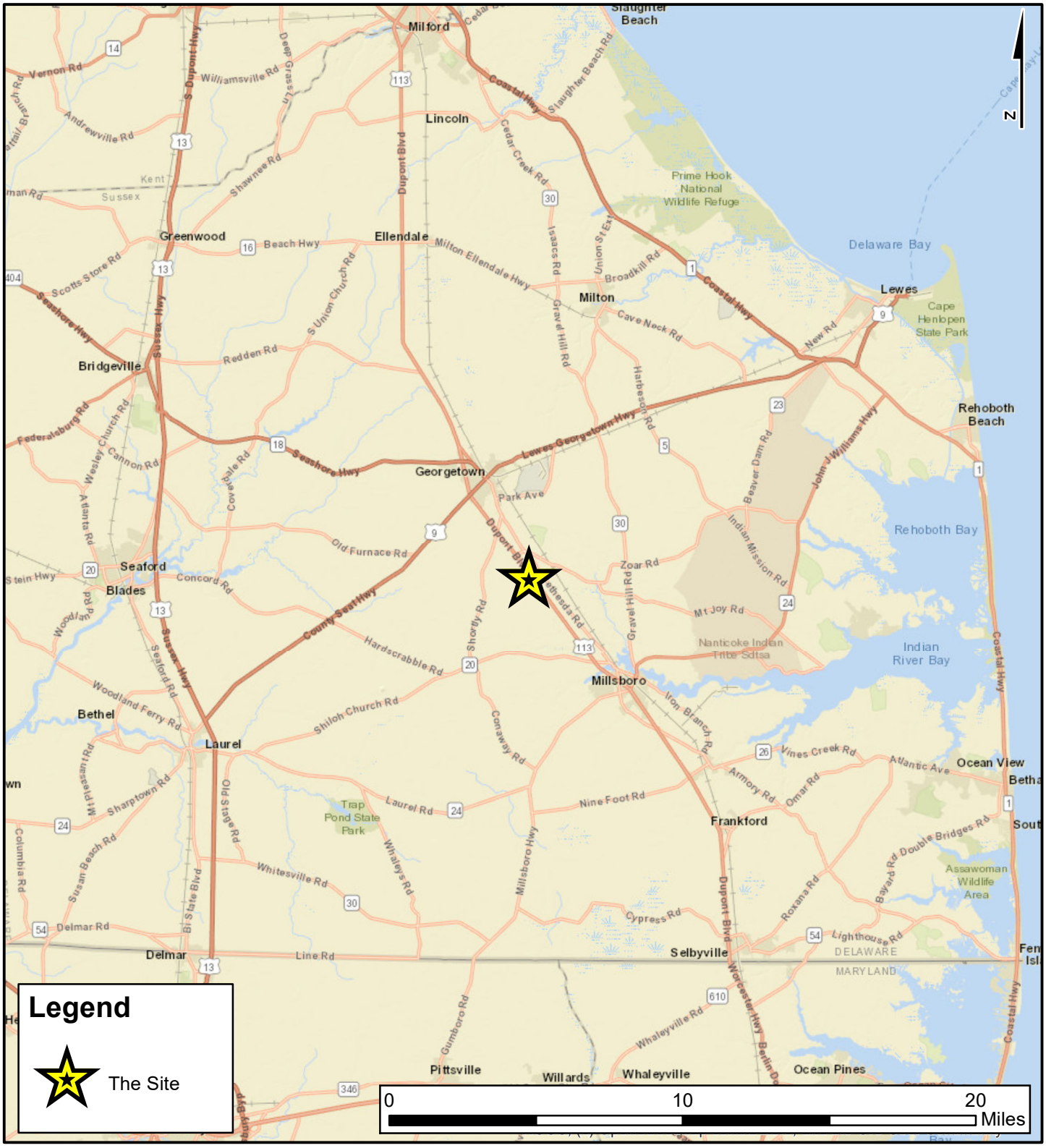
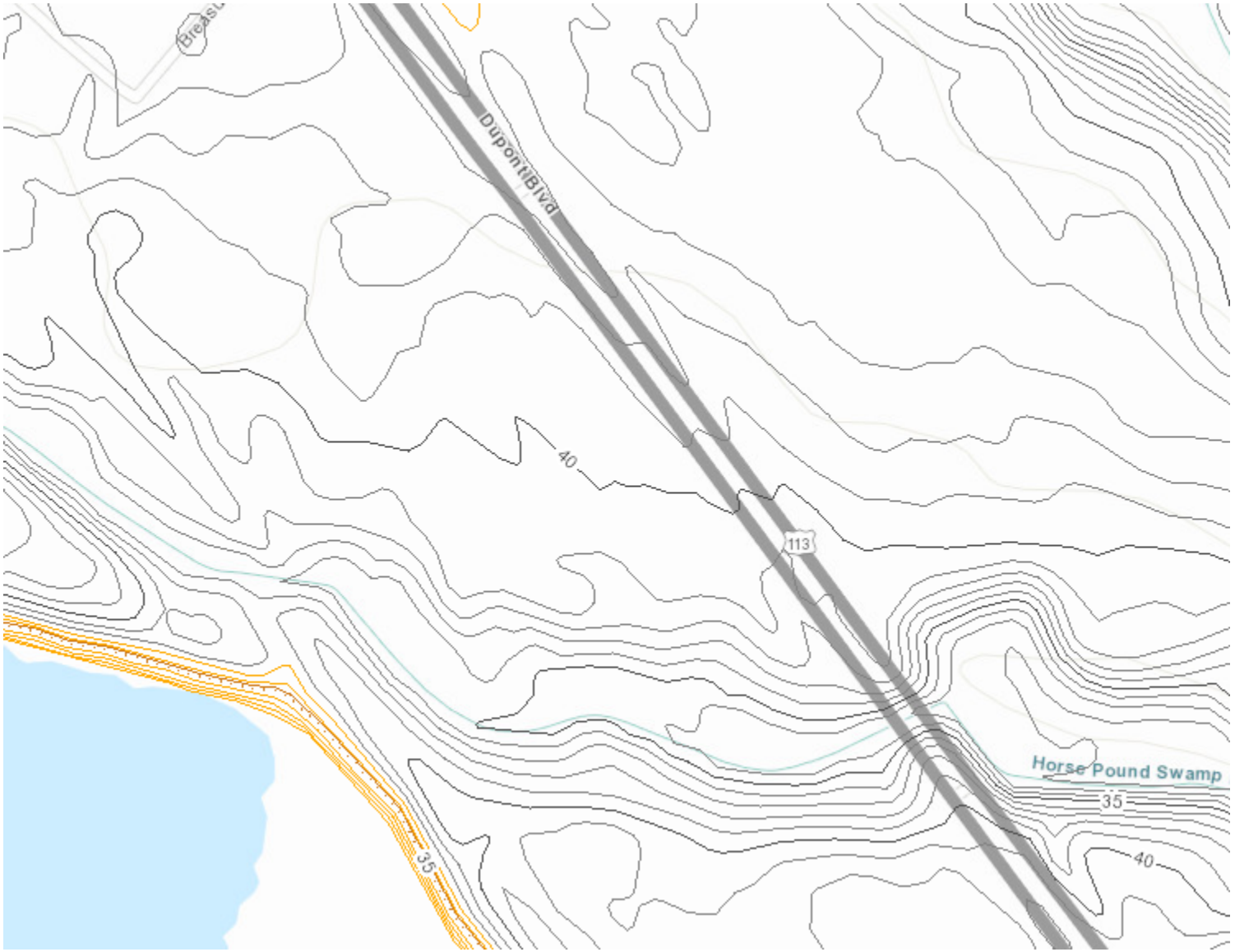
FIGURES



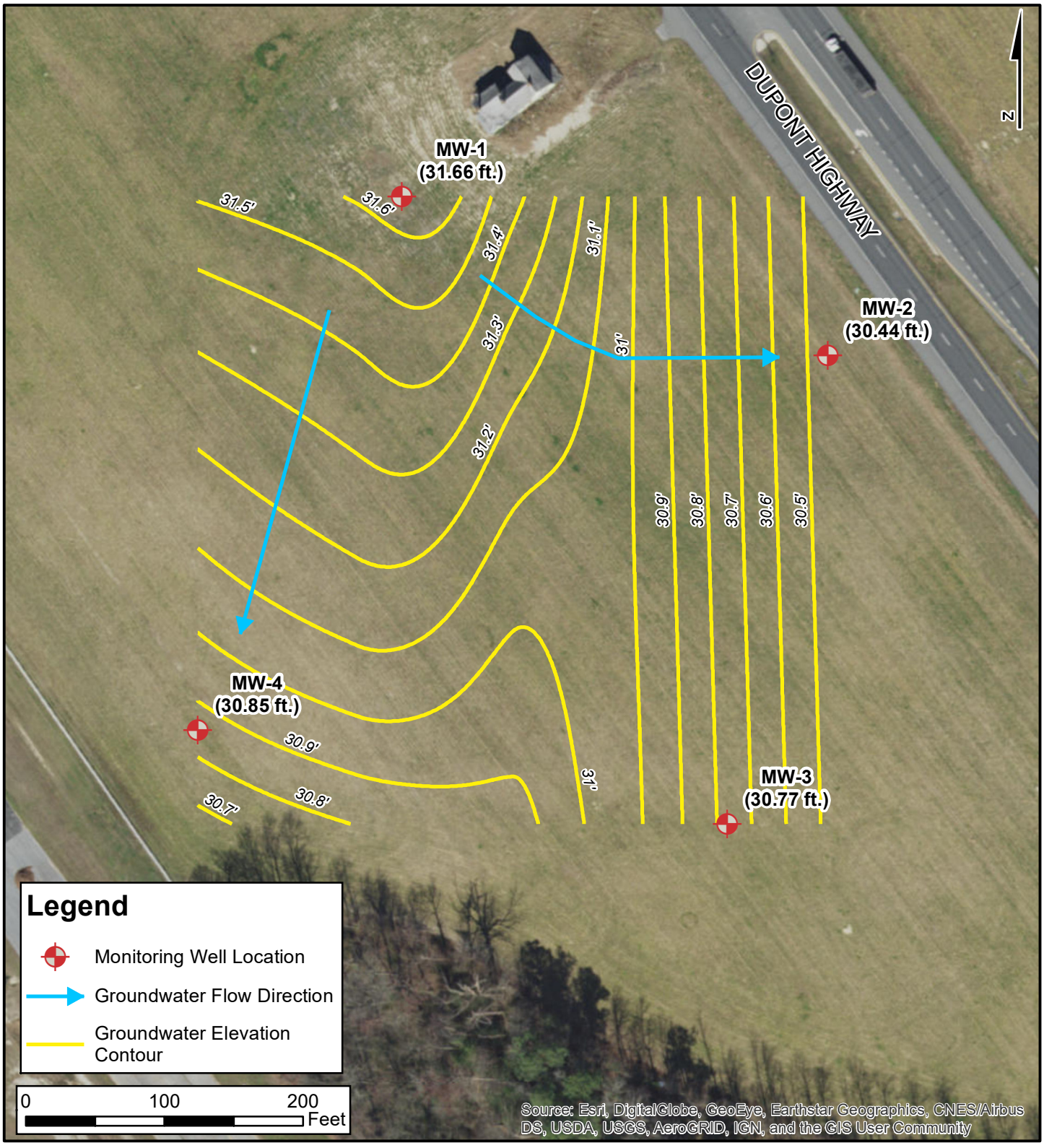
DATE: 12/2019	**FIGURE 1** **SITE LOCATION MAP**		DUFFIELD ASSOCIATES Soil, Water & the Environment 5400 LIMESTONE ROAD WILMINGTON, DE 19808-1232 TEL. (302)239-6634 FAX (302)239-8485 OFFICES IN PENNSYLVANIA, SOUTHERN DELAWARE, MARYLAND AND NEW JERSEY EMAIL: DUFFIELD@DUFFNET.COM
SCALE: AS SHOWN	CLEANBAY RENEWABLES 24778 DUPONT BOULEVARD	DRAWN BY: MAN	
PROJECT NO. 12430.EA		CHECKED BY: SFC	
	GEORGETOWN~SUSSEX COUNTY~DELAWARE	FILE: 12430EA.SiteLocationMap	

Figure 2: Property Topography

Source: (Delaware Geological Survey ArcGIS)



DATE: 12/2019	**FIGURE 3** **SOIL BORING AND MONITORING WELL LOCATION MAP**		DUFFIELD ASSOCIATES Soil, Water & the Environment
SCALE: AS SHOWN		DRAWN BY: MAN	5400 LIMESTONE ROAD WILMINGTON, DE 19808-1232 TEL. (302)239-6634 FAX (302)239-8485
PROJECT NO. 12430.EA	CLEANBAY RENEWABLES 24778 DUPONT BOULEVARD	CHECKED BY: SFC	OFFICES IN PENNSYLVANIA, SOUTHERN DELAWARE, MARYLAND AND NEW JERSEY
	GEORGETOWN~SUSSEX COUNTY~DELAWARE	FILE: 12430EA.Figure3.Boring LocationMap	EMAIL: DUFFIELD@DUFFNET.COM

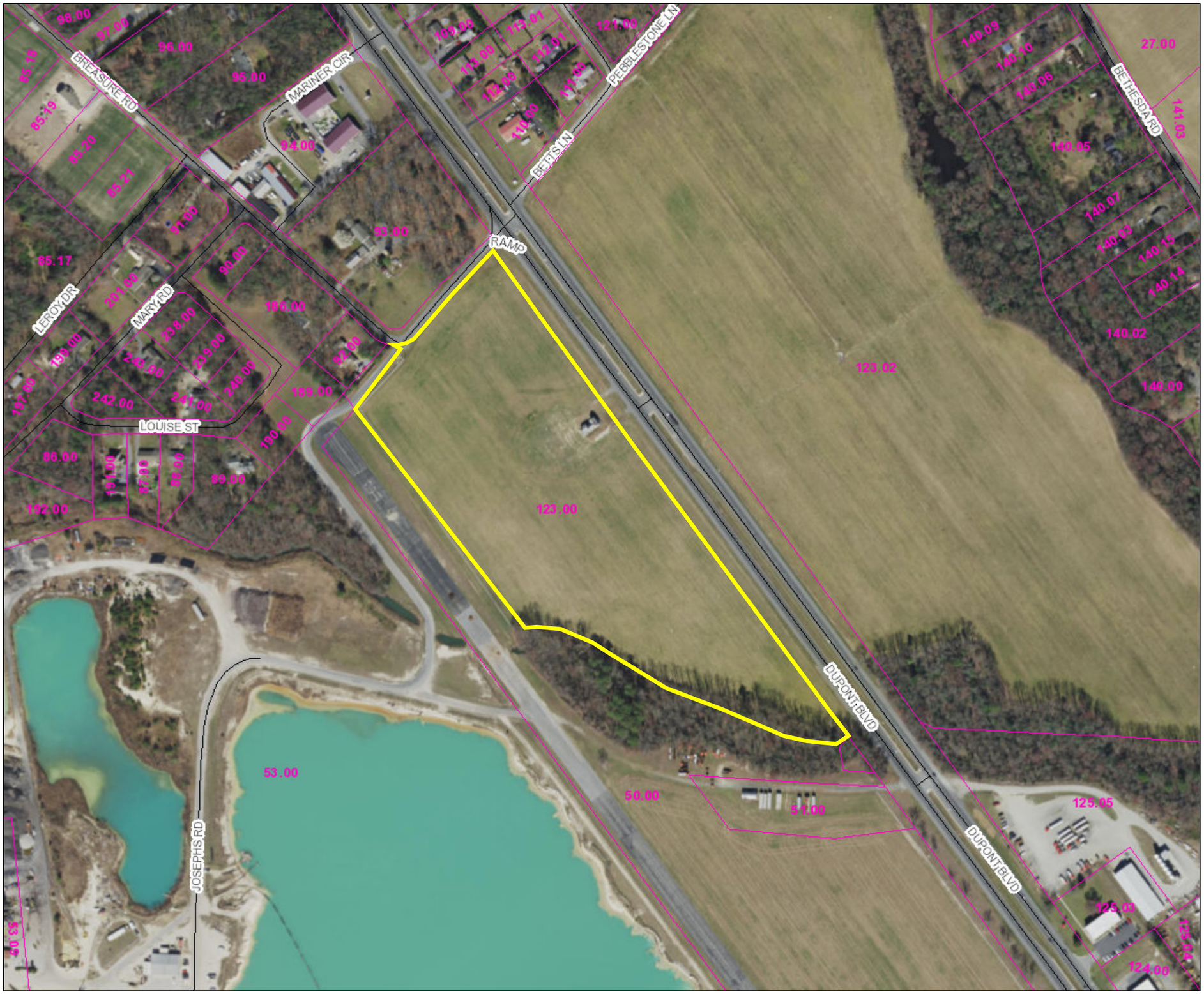


DATE: 01/2020	**FIGURE 4** **GROUNDWATER FLOW SKETCH**	DESIGNED BY: SFC	DUFFIELD ASSOCIATES Soil, Water & the Environment
SCALE: AS SHOWN	CLEANBAY RENEWABLES	DRAWN BY: KLS	5400 LIMESTONE ROAD WILMINGTON, DE 19808-1232 TEL. (302)239-6634 FAX (302)239-8485
PROJECT NO. 12430.EA	GEORGETOWN~SUSSEX COUNTY~DELAWARE	CHECKED BY: SFC	OFFICES IN PENNSYLVANIA, SOUTHERN DELAWARE, MARYLAND AND NEW JERSEY
		FILE: 12430.EA.Proposed_Borings_Wells.mxd	EMAIL: DUFFIELD@DUFFNET.COM

APPENDIX 1

COUNTY TAX MAP SHOWING PROPERTY BOUNDARIES

Sussex County



PIN:	133-6.00-123.00
Owner Name	HOWARD J WAYNE
Book	7542
Mailing Address	7830 SHORE DRIVE
City	PRESTON
State	MD
Description	NE/DUPONT BLVD
Description 2	
Description 3	
Land Code	

polygonLayer

Override 1

polygonLayer

Override 1

Tax Parcels

Streets

County Boundaries

1:4,514

0 0.05 0.1 0.2 mi

0 0.075 0.15 0.3 km

October 1, 2019

APPENDIX 2

DNREC HYDROGEOLOGIC ASSESSMENT REQUIREMENTS

Hydrogeological Assessment Requirements

CleanBay Renewables

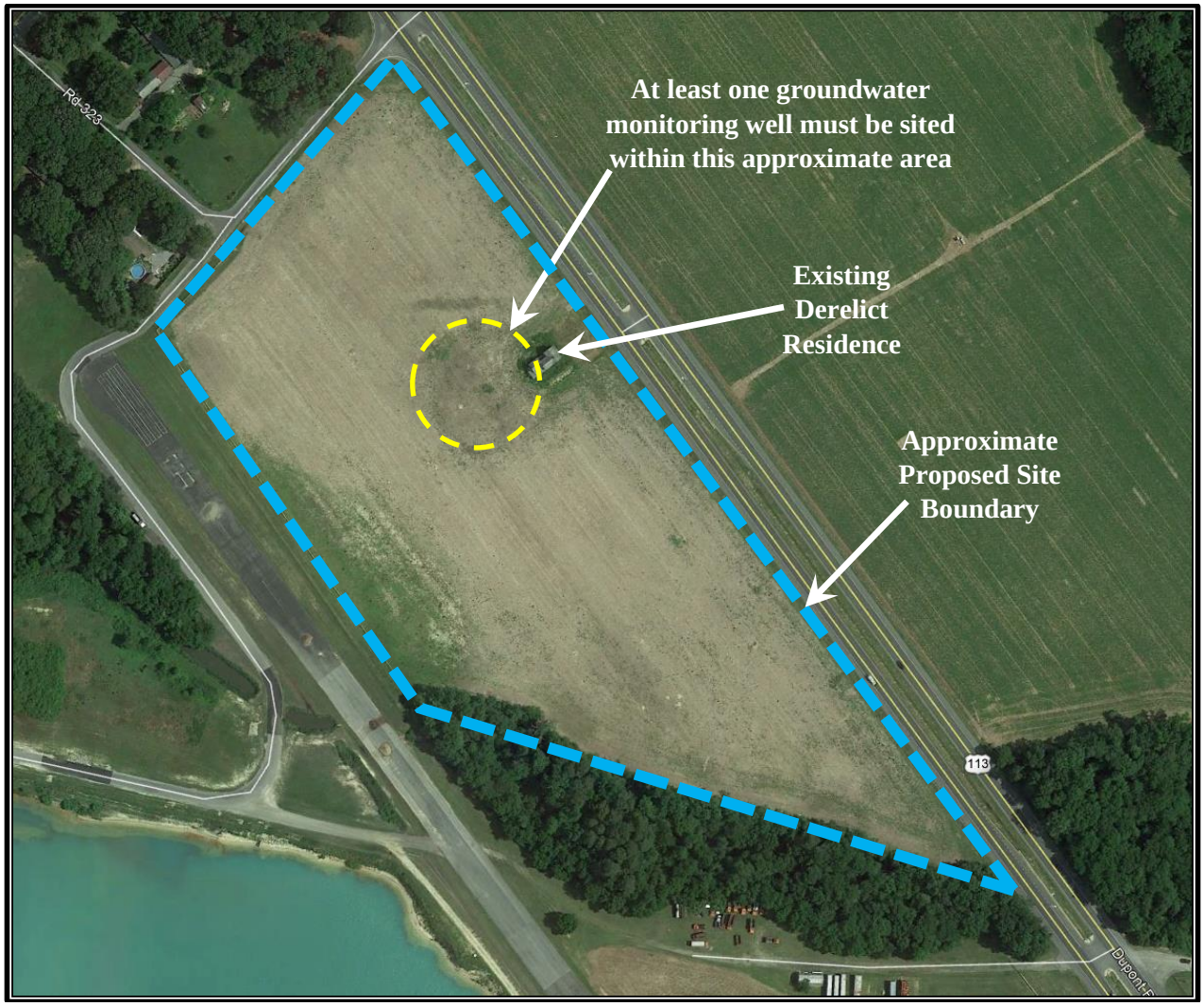
Proposed Anaerobic Digestion Facility
24778 DuPont Boulevard, Georgetown, Delaware 19947

A hydrogeological assessment of the CleanBay Renewables' (CleanBay) proposed anaerobic digestion facility site will be required as a portion of the Resource Recovery permitting process in accordance with Section 4.4.1.7 of Delaware's *Regulations Governing Solid Waste* (DRGSW). The assessment must be completed by CleanBay and approved by the Department before a permit will be issued. The following outlines the requirements of the hydrogeological assessment.

CleanBay may proceed in one of two ways. CleanBay may proceed in conducting a hydrogeological assessment based upon the following guidance, or CleanBay may elect to utilize the following guidance to prepare and submit for Department approval a hydrogeological assessment workplan prior to performing the assessment.

1. This investigation and report shall be prepared and signed by a Professional Geologist licensed in Delaware.
2. This investigation shall include a series of appropriately permitted, and properly constructed and geologically logged test borings and wells of sufficient depth and number to identify:
    a. The occurrence and characteristics of the unconfined aquifer;
    b. Groundwater flow directions;
    c. Current groundwater quality, using a minimum of a single sample from each well and accompanying Quality Assurance/Quality Control (QA/QC) samples (see attached list);
    d. Potential pathways of contaminants to points of groundwater discharge;
    e. Approximate groundwater flow rates and travel times from the facility to points of discharge (including wells and/or surface water); and
    f. A delineation of the anticipated maximum elevation of the seasonal high water table.
3. Additional Requirements
    a. Investigate the historical use of the site and the historical storage and use of substances with a potential to degrade the environmental quality of the site.
    b. A minimum of one groundwater monitoring well must be sited within the approximate area delineated in yellow in the attached figure
    c. All wells shall be maintained in a viable condition until the results of the hydrogeological assessment have been approved by the Department.
    d. Water quality data shall be presented in direct comparison to the most recent Site Investigation and Remediation Section (SIRS) Screening Levels (SL) and Reporting Levels (RL).
    e. Please answer the following two (2) questions:
        i. What will be the source(s) of all water(s) that will be utilized on-site?
        ii. The provided initial plan drawings indicate a number of stormwater management areas are planned to be constructed. Will these stormwater management areas be unlined infiltration ponds or lined retention ponds?
    f. Inferred / modeled changes to the existing hydrogeologic regime due to either withdrawal from (e.g., production well or reduction in stormwater infiltration due to retention) or additional input into (e.g., stormwater infiltration or wastewater injection) the aquifer(s) underlying the proposed CleanBay facility must be addressed.
        i. The facility's operations' impact to the existing hydrogeologic regime shall be addressed in either of the following:
            1. The report of the Hydrogeologic Assessment; or,
            2. The Engineering Report.
4. The Department reserves its right to require additional hydrogeological assessment based upon the findings of the hydrogeological assessment outlined above.

Google Earth Image of Proposed CleanBay Anaerobic Digester Facility Site



Hydrogeological Assessment
CleanBay Renewables

Required Water Quality Parameters

Low-Flow Sampling Stabilization Parameters

- Temperature (T)
- pH
- Dissolved Oxygen (D.O.)
- Electrical Conductivity
- Turbidity
- Oxidation-Reduction Potential (ORP)

Analytical Parameters

- Total Dissolved Solids (TDS)
- Total Suspended Solids (TSS)
- Chemical Oxygen Demand (C.O.D.)
- Biological Oxygen Demand (B.O.D.)
- Total Kjeldahl Nitrogen (TKN)
- Total Organic Nitrogen (TON)
- Ammonia (NH_3)
- Nitrate (NO_3^-)
- Nitrite (NO_2^-)
- Cyanide
- Total Organic Phosphorus (T.O.P.)
- Polyhydrolyzable Phosphorus
- Orthophosphate
- Soluble Phosphorus
- Total Phosphorus
- Pesticides
- Herbicides
- Salmonella
- Fecal Coliform
- Campylobacter
- Major / minor cations / anions to include Cl^-, Na^+, and S^{2-}
- Target Compound List (TCL) Volatile Organic Compounds (VOC, see attached list)
- TCL Semivolatile Organic Compounds (SVOC, see attached list)
- Target Analyte List (TAL) Metals (see attached list)

Required QA/QC Samples

- Trip Blank
- Equipment Blank
- Blind Duplicate
- Matrix Spike
- Matrix Spike Duplicate

Target Compound List (TCL)

Volatiles

Dichlorodifluoromethane	1,1-Dichloroethane	4-Methyl-2-pentanone
Chloromethane	cis-1,2-Dichloroethene	Toluene
Vinyl Chloride	2-Butanone	trans-1,3-Dichloropropene
Bromomethane	Chloroform	1,1,2-Trichloroethane
Chloroethane	1,1,1-Trichloroethane	Tetrachloroethene
Trichlorofluoromethane	Cyclohexane	2-Hexanone
1,1-Dichloroethene	Carbon Tetrachloride	Dibromochloromethane
1,1,2-Trichloro-1,2,2-trifluoroethane	Benzene	1,2-Dibromoethane
Acetone	1,2-Dichloroethane	Chlorobenzene
Carbon Disulfide	Trichloroethene	Ethylbenzene
Methyl Acetate	Methylcyclohexane	Xylenes (total)
Methylene Chloride	1,2-Dichloropropane	Styrene
trans-1,2-Dichloroethene	Bromodichloromethane	Bromoform
Methyl tert-Butyl Ether	cis-1,3-Dichloropropene	Isopropylbenzene
1,1,2,2-Tetrachloroethane	1,3-Dichlorobenzene	1,4-Dichlorobenzene
1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene

Target Compound List (TCL)

Semivolatiles

Benzaldehyde	Hexachlorocyclopentadiene	Hexachlorobenzene
Phenol	2,4,6-Trichlorophenol	Atrazine
bis-(2-Chloroethyl) ether	2,4,5-Trichlorophenol	Pentachlorophenol
2-Chlorophenol	1,1'-Biphenyl	Phenanthrene
2-Methylphenol	2-Chloronaphthalene	Anthracene
2,2'-oxybis (1-Chloropropane)	2-Nitroaniline	Carbazole
Acetophenone	Dimethylphthalate	Di-n-butylphthalate
4-Methylphenol	2,6-Dinitrotoluene	Fluoranthene
N-Nitroso-di-n-propylamine	Acenaphthylene	Pyrene
Hexachloroethane	3-Nitroaniline	Butylbenzylphthalate
Nitrobenzene	Acenaphthene	3,3'-Dichlorobenzidine
Isophorone	2,4-Dinitrophenol	Benzo(a)anthracene
2-Nitrophenol	4-Nitrophenol	Chrysene
2,4-Dimethylphenol	Dibenzofuran	bis(2-Ethylhexyl) phthalate
bis (2-Chloroethoxy) methane	2,4-Dinitrotoluene	Di-n-octylphthalate
2,4-Dichlorophenol	Diethylphthalate	Benzo(b)fluoranthene
Naphthalene	Fluorene	Benzo(k)fluoranthene
4-Chloroaniline	4-Chlorophenyl-phenylether	Benzo(a)pyrene
Hexachlorobutadiene	4-Nitroaniline	Indeno(1,2,3-cd)pyrene
Caprolactam	4,6-Dinitro-2-methylphenol	Dibenzo(a,h)anthracene
4-Chloro-3-methylphenol	N-Nitrosodiphenylamine	Benzo(g,h,i)perylene
2-Methylnaphthalene	4-Bromophenyl-phenylether	

Target Compound List (TCL) *Semivolatiles*	
alpha-BTC	4,4'DDT
beta-BHC	Methoxychlor
delta-BHC	Endrin ketone
gamma-C (Lindane)	Endrin aldehyde
Heptachlor	alpha-Chlordane
Aldrin	gamma-Chlordane
Heptachlor epoxide	Toxaphene
Endosulfan I	Aroclor- 1016
Dieldrin	Aroclor- 1221
4,4'-DDE	Aroclor- 1232
Endrin	Aroclor- 1242
Endosulfan II	Aroclor- 1248
4,4'DDD	Aroclor- 1254
Endosulfan sulfate	Aroclor- 1260

Target Analyte List (TAL) *Metals and Cyanide*	
Aluminum	Magnesium
Antimony	Manganese
Arsenic	Mercury
Barium	Nickel
Beryllium	Potassium
Cadmium	Selenium
Calcium	Silver
Chromium	Sodium
Cobalt	Thallium
Copper	Vanadium
Iron	Zinc
Lead	Cyanide

APPENDIX 3

GAMMA LOG FOR DGS OBSERVATION WELL

DGIR
Delaware Geologic Information Resource

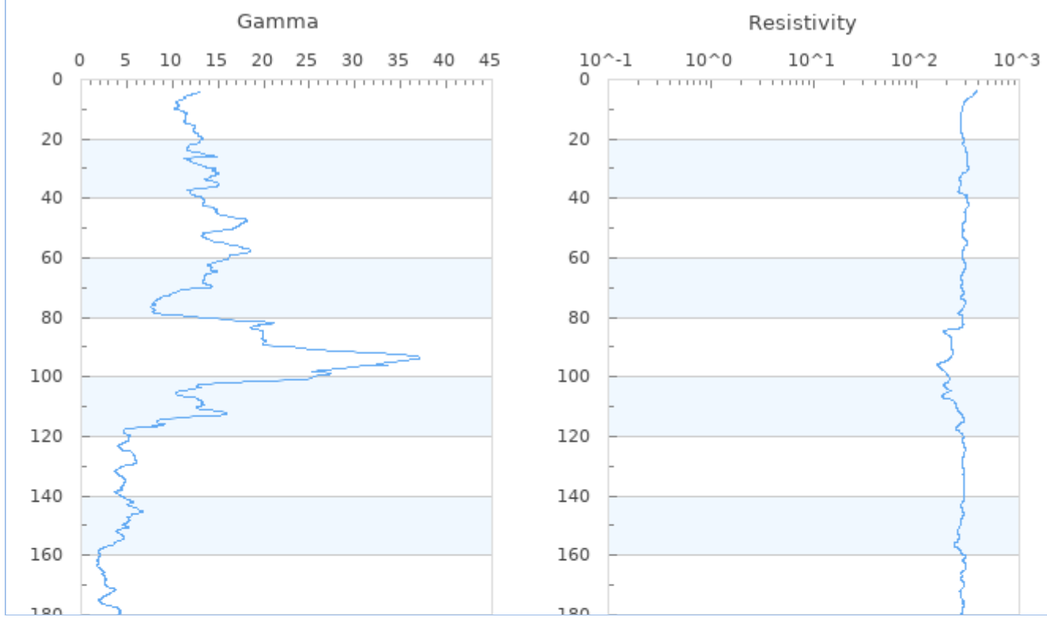
BETA

Zoom to a scale | Identify All | Well Query | Surface Query | Subsurface Query | Help

Well/Borehole Summary Information for Pf24-03

Well Details | Water levels | Lithology Log | **Geophysical Log** | Digital photos

Plotting geophysical log data for Pf24-03... (Download LAS data file)



Measure 0 m

Permalink | Scale settings | Map units | Basemaps

Available data layers

Find data layers

- 10-digit HUC Watersheds
- 12-digit HUC Watersheds
- Delaware NHD Streams
- Delaware NHD Waterbodies
- Delaware Wetlands Type
- Delaware Wetlands Tidal
- Elevation 2m DEM
- Subsurface Geology – Point Data
- Groundwater – Point Observations
  - Groundwater Obs with Hydrographs
  - Groundwater Observations
- Groundwater - Area and Gridded Data
- Surficial Geologic Maps

Active data layers

Check all Uncheck all Remove all

Active data legends

Groundwater Obs with Hydrographs
Groundwater Hydrograph Sites

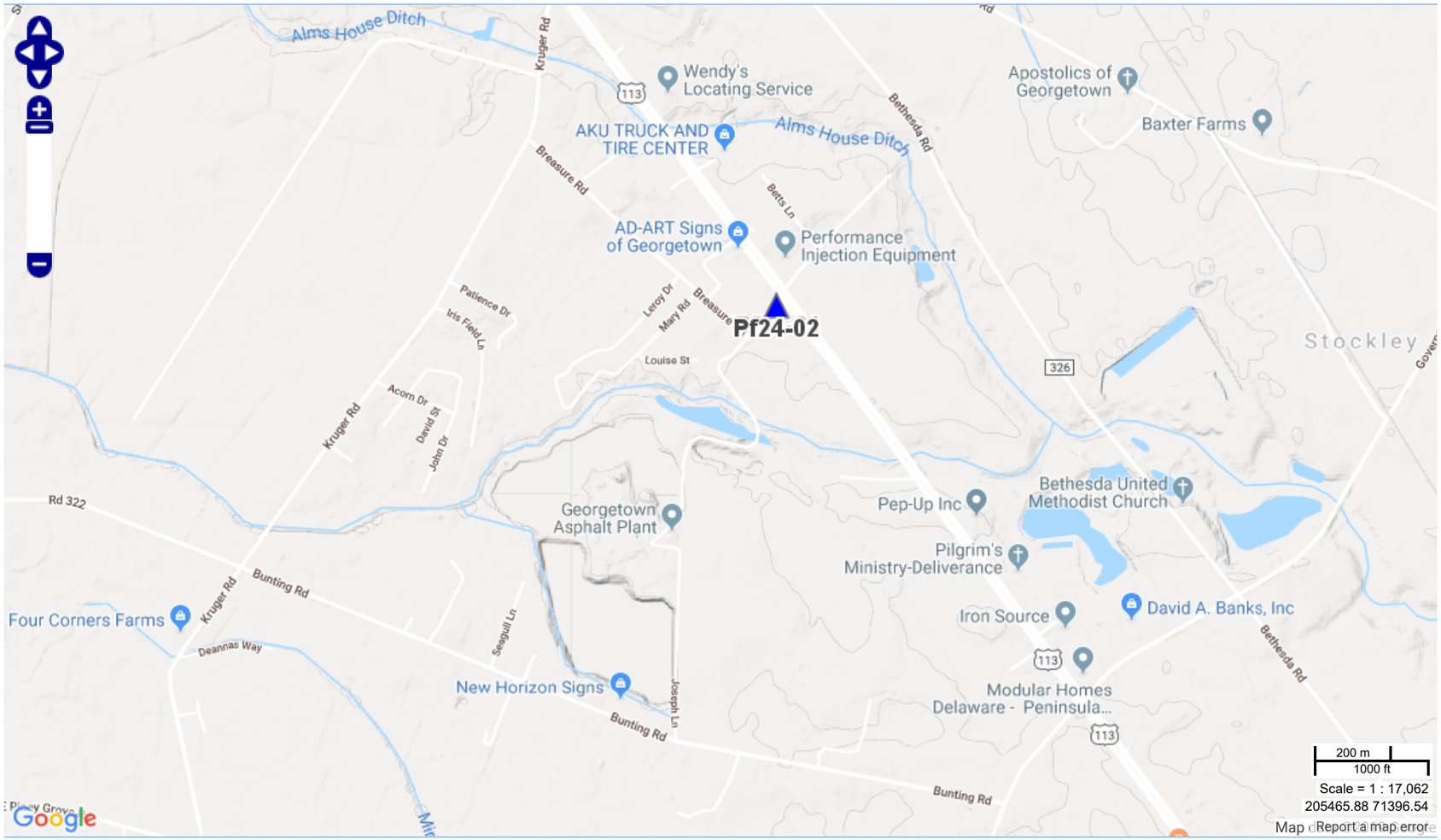
Groundwater Observations
Groundwater Observation Sites

Municipal Boundaries
Municipal Boundaries

Delaware Boundary
State Boundary Lines

DGIR
DELAWARE GEOLOGIC INFORMATION RESOURCE
BETA

Zoom to a scale | Identify All | Well Query | Surface Query | Subsurface Query | Help



Measure 0 m

Permalink | Scale settings | Map units | Basemaps

Available data layers

Find data layers

- 10-digit HUC Watersheds
- 12-digit HUC Watersheds
- Delaware NHD Streams
- Delaware NHD Waterbodies
- Delaware Wetlands Type
- Delaware Wetlands Tidal
- Elevation 2m DEM
- Subsurface Geology – Point Data
- Groundwater – Point Observations
  - Groundwater Obs with Hydrographs
  - Groundwater Observations
- Groundwater - Area and Gridded Data
- Surficial Geologic Maps

Active data layers

Check all Uncheck all Remove all

Active data legends

Groundwater Obs with Hydrographs

Groundwater Hydrograph Sites

Groundwater Observations

Groundwater Observation Sites

Municipal Boundaries

Municipal Boundaries

Delaware Boundary

State Boundary Lines

APPENDIX 4

NO FURTHER ACTION LETTERS
FOR NEARBY LUST SITES

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL
DIVISION OF AIR AND WASTE MANAGEMENT
715 GRANTHAM LANE
NEW CASTLE, DE 19720 - 4801

WASTE MANAGEMENT SECTION
UNDERGROUND STORAGE TANK BRANCH
TEL: (302) 323-4588
FAX: (302) 323 - 4561

October 5, 1995

FILE COPY

Mr. & Mrs. Perry Belote
RD 1, Box 181-A
Georgetown, DE 19947

RE: Analysis of drinking water at your home

Belote Residence
RD 1, Box 181-A
Georgetown, DE 19947

Facility #9-000056
Project #S9510239
File Code 07

Dear Mr. & Mrs. Belote:

On September 14, 1995, you telephoned the Department of Natural Resources and Environmental Control, Underground Storage Tank Branch (Department) and reported a "diesel odor" in your drinking water. The Underground Storage Tank Branch responded, based on the possibility of petroleum product leaking from an underground storage tank.

Water samples were collected on September 15 and analyzed for petroleum products by the Department's Laboratory. Results of the analyses are enclosed.

Benzene, toluene, ethylbenzene and xylene (BTEX) comprise the most volatile constituents of petroleum products such as gasoline. None of these compounds were detected. The laboratory reports "2.0 U," which means that the compound was not detected and that the analytical procedure used is capable of detecting concentrations as low as 2.0 micrograms per liter (µg/L), or 2.0 parts per billion (ppb).

"Total Petroleum Hydrocarbons" (TPH) is the group of slightly less volatile constituents of petroleum products such as heating fuel. Similarly, none were detected. The laboratory reports "0.4 U," which means that these compounds were not detected and that the analytical procedure used is capable of detecting concentrations as low as 0.4 milligrams per liter (mg/L), or 0.4 parts per million (ppm).

The "Trip Blank" referred to in the laboratory report is a sample of pure water, which was prepared by the laboratory and carried along while your samples were collected and then subjected to the same analyses. The fact that no contamination was found in the Trip Blank confirms that no "outside contamination" affected any of the samples.

Based on these analyses, the Underground Storage Tank Branch has no basis for any further action. If new information comes to light, please feel free to call back: 302-323-4588. For questions regarding general groundwater quality, or to arrange for further analyses, call:

Mr. Edward G. Hallock
Division of Public Health
Jesse Cooper Building
PO Box 637
Dover, DE 19903

Telephone: 302-739-5410

The Department seeks feedback from the public it serves to help us continually improve our services. In this regard, please complete the enclosed form and drop in any mailbox. Thank you very much for your assistance.

Sincerely,

Emil Onuschak, Jr.
Hydrologist
Underground Storage Tank Branch

Enclosures

EDM:EOJ\jnh
EOJ95111.WP

cc: Edward G. Hallock - Division of Public Health

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL
DIVISION OF WASTE AND
HAZARDOUS SUBSTANCES

TANK MANAGEMENT SECTION
391 LUKENS DRIVE
NEW CASTLE, DE 19720
TELEPHONE: (302) 395-2500
FAX: (302) 395-2555
WWW.DNREC.DELAWARE.GOV/TANKS

November 26, 2018

Leah Hearn
24602 DuPont Blvd.
Georgetown, DE 19947

FACILITY:	Leah Hearn Residence 24602 DuPont Blvd. Georgetown, DE 19947	Facility ID: Project #: File Code:	5-001276 S1811097 30

SUBJECT: No Further Action Required "with conditions"
Residential Heating Fuel Underground Storage Tank Removal

Dear Ms. Hearn:

Background

On September 21, 2018, one (1) 500-gallon heating fuel underground storage tank (UST) was removed from the above-referenced facility. The work was performed as part of the Heating Fuel UST Closure Assistance Program (the Heating Fuel Program). Soil samples were collected and analyzed for petroleum contamination. The Department of Natural Resources and Environmental Control, Tank Management Section (DNREC-TMS) has reviewed all documentation submitted to date concerning the UST removal and soil sampling at the above referenced facility.

The analytical results are as follows:

Analyte (action level, mg/kg)	**SB-1 Overburden Composite (mg/kg)**	**SB-2 2' Below UST**
DERBCAP* Tier 0	Tank 1: 500-gallon Heating Fuel UST	
TPH–DRO (1000)	260	266

*Delaware Risk-Based Corrective Action Program

All reported soil sample analytical results are below the DNREC-TMS Tier 0 Action Level of 1,000 mg/kg of total petroleum hydrocarbons-diesel range organics (TPH-DRO).

Outcome

Based on the documentation submitted to date regarding this release, it appears that the contamination remaining in the subsurface is limited in extent. Therefore, any residual contamination at this site should not pose a threat to human health and safety, or the environment. Consequently, no further action (NFA) is required at the above-referenced location at this time, *as long as the residual contamination onsite remains undisturbed or the use of the site does not change*. Essentially, the site may be used "as is," *subject to the following conditions:*

- If the petroleum compounds remaining in the soil or ground water on-site are disturbed in the future by digging, boring, dewatering or other means, a contaminated materials management plan must be approved in advance by DNREC-TMS prior to engaging in such activities. Pursuant to the terms of 7

DE Admin. Code 1351, State of Delaware's *Regulations Governing Underground Storage Tank Systems* (the UST Regulations) 6.2.4, any person disturbing any residual contamination shall be financially responsible for implementing the contaminated material management plan.

- Any petroleum impacted excavated soils may not be re-used as "clean fill." Any on-site re-use of excavated soils must be approved in advance by DNREC-TMS.
- If petroleum impacted excavated soils are transported off-site, they must be hauled by a State-licensed solid waste hauler and disposed or remediated in an approved manner.

This NFA letter pertains only to the 500-gallon heating fuel underground storage tank removed from the above-referenced location. Also, the NFA letter is only applicable under 7 Del. C. Chapter 60, 7 Del. C. Chapter 74, and 7 DE Admin. Code 1351, State of Delaware's *Regulations Governing Underground Storage Tank Systems* (the UST Regulations), and does not represent a determination under any other Federal, State or local law.

This NFA letter pertains to an underground storage tank containing heating fuel used to heat a building on a residential property. Therefore, pursuant to the UST Regulations, the Department shall not require responsible parties associated with this property to perform additional corrective actions pertaining to the release associated with this tank. If any new releases from this tank are identified, the DNREC-TMS must be notified.

Next Steps

In all cases, DNREC-TMS reserves the right to re-assess the site in the future if new information comes to light regarding possible petroleum contamination.

Please note that upon issuance of this NFA letter by DNREC-TMS the Facility will no longer be eligible for participation in the Heating Fuel Program. Thus, any costs associated with managing residual contamination after site closure will not be covered by the Heating Fuel Program.

If you have any further questions or concerns, please feel free to call me at (302) 395-2500 or visit us on the web at http://www.dnrec.delaware.gov/tanks.

Sincerely,

Amy E. Bryson
Hydrologist
Tank Management Section

LLS:AEB/mcl
AEB2018-528

pc: Mr. Stacy Gallo, 1st State Petroleum Services, 714 Gallo Road, Harrington, DE 19952

APPENDIX 5

SOIL BORING LOGS

DUFFIELD ASSOCIATES
Soil, Water & the Environment

TB/MW-1

CleanBay Renewables
Georgetown, Delaware
12430.EA

Date Started : November 19, 2019
Date Completed : November 19, 2019
Logged by : M. Natrin
Weather : Cloudy, 40's
Driller/Agency : M. Lyons/CGC Geoservices

Drilling Equipment : ATV Rig
Drilling Methods : Hollow Stem Auger

Sample Condition: ⊠ Remolded

Water Levels

Depth in feet	Layer Depth feet	GRAPHIC	USCS	DESCRIPTION	SAMPLES	Sample Number	Rec'y (ft)	PID (Deflection Units)	Remarks / Well Construction Details	WATER LEVEL
0										
	0.5		SM	Black sandy SILT (organic), vegetation, moist.			1.5	0.0		
			SP-SM	Grayish tan silty SAND, trace fine rounded gravel, moist.				0.0	2 inch PVC casing with bentonite seal.	
	2.0		SP-SM	Tan silty SAND, moist.			1.8	0.0		
	3.3		SP	Tan fine to medium SAND, little fine rounded gravel.				0.0	2 inch PVC casing with #2 sandpack.	
	4.0		SP	Tan fine to medium SAND, trace coarse sand.			1.8	0.0		
5	6.0		SP	Lt. gray and tan (bedded) fine to medium SAND, moist.			2.0	0.0		
	8.0		SP	Lt. tan fine to medium SAND, wet at 9.5 ft bgs, diesel odor at water table interface, no staining.			2.0	18.4		
10	10.0		SW-SM	Lt. gray fine to coarse SAND, little silt, wet, strong diesel odor, no staining.			2.0	8.2		
	12.0		SP-SM	Lt. gray medium to coarse sand, trace fn sand, trace silt, wet, diesel odor, no staining.			2.0	6.2		
	14.0			No recovery.					2 inch, 20 slot screen with #2 well sandpack.	
15	16.0		SW-SM	Lt. tan and lt. brown (bedded) fine to coarse SAND, trace silt, trace fine rounded gravel, wet, slight diesel odor, no staining.			2.0	2.6		
	18.0		SP	Gray fine to medium SAND, trace coarse sand, wet, slight diesel odor, no staining.			2.0	2.0		
20	20.0		SW	Lt. gray fine to coarse SAND, little fine sub-rounded gravel, wet, slight diesel odor, no staining.			2.0	1.8		
	22.0		SP	Gray fine to medium SAND, trace coarse sand, wet, slight diesel odor, no staining.			2.0	1.0		
	24.0		SP	Lt. gray fine to medium SAND, little coarse sand, trace fine sub-angular gravel, trace shell fragments, wet, slight diesel odor, no staining.			2.0	0.5		
25	26.0		SP	Lt. gray fine to medium SAND, trace coarse sand, trace fine sub-rounded to sub-angular gravel, wet.			2.0	0.1	Slough	
	28.0		SP	Lt. gray fine to medium SAND, trace coarse sand, trace fine sub-rounded gravel, wet.			2.0	0.1		
30										

Well Depth (ft): 3.0, 5.0, 25.0

NOTES:
1. Saturated soils were encountered at 8.0 feet below ground surface (ft bgs).
2. Groundwater not measured during drilling due to heaving of the borehole.
3. Borehole offset approx. 10 ft north after observing layer of coal approx 1.0 ft below ground surface on first attempt.
4. Wet spoons observed at 12.5 ft bgs.
5. Borehole terminated at 30.0 ft bgs
6. Well casing screened between 5.0 ft and 25.0 ft bgs using 2 inch, 20 slot PVC.
7. Well casing extends approx. 3 ft above ground surface, protected by steel standpipe.
8. Soil descriptions performed in general accordance with ASTM D 2488, the Practice for Description and Identification of Soils (Visual-Manual Procedure).

DUFFIELD ASSOCIATES
Soil, Water & the Environment

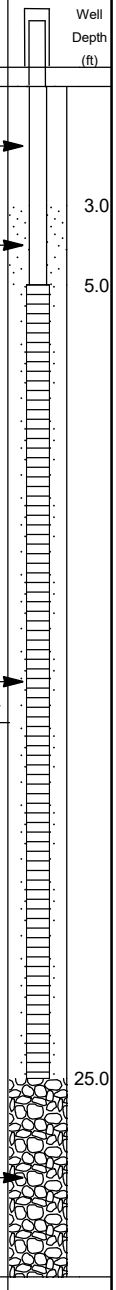
TB/MW-2

CleanBay Renewables
Georgetown, Delaware
12430.EA

Date Started	: November 20, 2019	Drilling Equipment	: ATV Rig
Date Completed	: November 20, 2019	Drilling Methods	: Hollow Stem Auger
Logged by	: M. Natrin		
Weather	: Cloudy, 40's		
Driller/Agency	: M. Lyons/CGC Geoservices		

Sample Condition: ⊠ Remolded
Water Levels: ▽ At completion

Depth in feet	Layer Depth feet	USCS	DESCRIPTION	Rec'y (ft)	PID (Deflection Units)	Remarks / Well Construction Details
0		SP-SM	Black silty SAND (organic), vegetation, moist.	1.5	0.0	
	1.3	SP	Brown fine SAND, moist.		0.0	2 inch PVC casing with bentonite seal.
	2.0	SP	Lt. brown fine SAND, moist.	1.0	0.0	
	4.0					2 inch PVC casing with #2 sandpack.
5		SP	Lt. brown fine SAND, moist.	1.8	0.0	
	6.0	SP	Lt. brown fine SAND, moist.	2.0	0.1	
	7.8	SP	Tan fine to medium SAND, some coarse sand, trace silt, wet.		0.0	
	8.0	SP	Tan and gray (bedded) fine to medium SAND, trace coarse sand, wet.	1.5	0.0	
10	10.0	SW-SM	White fine SAND, trace silt, trace coarse sand, wet.	2.0	0.0	
	12.0	SP	White fine to medium SAND, trace coarse sand, wet.	2.0	0.0	
	12.8	SP-SM	White fine SAND, some silt, wet.		0.1	
	14.0	SP-SM	White and brown fine SAND, some silt, trace fine sub-rounded to sub-angular gravel, wet.	2.0	0.0	2 inch, 20 slot screen with #2 well sandpack.
15	16.0	SP-SM	White fine SAND, some silt, wet.	2.0	0.0	
	18.0	SP-SM	White fine SAND, little silt, trace coarse sand, wet.	2.0	0.0	
20	20.0	SP-SM	White fine SAND, trace silt, trace coarse sand, wet.	2.0	0.0	
	22.0	SP-SM	White fine to medium SAND, trace silt, trace fine rounded gravel, wet.	2.0	0.0	
	24.0	SP-SM	White and gray fine SAND, some silt, trace fine rounded gravel, wet.	2.0	0.0	
25	26.0	SP-SM	White fine SAND, trace silt, trace fine sub-angular gravel, wet.	2.0	0.0	Slough
	28.0	SP-SM	White fine SAND, little silt, trace fine rounded gravel, wet.	2.0	0.0	
30						



NOTES:
1. Saturated soils were encountered at 7.75 feet below ground surface (ft bgs).
2. Groundwater measured at 16.03 ft bgs during drilling.
3. Wet spoons observed at 10.5 ft bgs.
4. Borehole terminated at 30.0 ft bgs.
5. Well casing screened between 5.0 ft and 25.0 ft bgs using 2 inch, 20 slot PVC.
6. Well casing extends approx. 3 ft above ground surface, protected by steel standpipe.
7. Soil descriptions performed in general accordance with ASTM D 2488, the Practice for Description and Identification of Soils (Visual-Manual Procedure).

DUFFIELD ASSOCIATES
Soil, Water & the Environment

TB/MW-3

(Page 1 of 1)

CleanBay Renewables
Georgetown, Delaware
12430.EA

Date Started : November 20, 2019
Date Completed : November 20, 2019
Logged by : M. Natrin
Weather : Sunny, 40's
Driller/Agency : M. Lyons/CGC Geoservices

Drilling Equipment : ATV Rig
Drilling Methods : Hollow Stem Auger

Sample Condition: Remolded
Water Levels: At completion

Depth in feet	Layer Depth feet	GRAPHIC	USCS	DESCRIPTION	SAMPLES	Sample Number	Rec'y (ft)	PID (Deflection Units)	Remarks / Well Construction Details	WATER LEVEL	Well Depth (ft)
0			SC-SM	Brown clayey SAND (fine to medium), trace coarse sand, moist.		S-1	1.8	0.0	2 inch PVC casing with bentonite seal.		
	2.0		SP	Brown fine SAND, little fine sub-angular gravel, moist.		S-2	1.5	0.0			3.0
	4.0								2 inch PVC casing with #2 sandpack.		
5			SP	Tan fine SAND, trace coarse sand, moist.		S-3	1.5	0.0			5.0
	6.0		SP	Lt. tan and gray fine SAND, trace medium sand, wet.		S-4	2.0	0.0			
	8.0		SP	Brown and gray fine SAND, little coarse sand, trace fine sub-rounded gravel, wet.		S-5	2.0	0.0			
10	10.0		SP-SM	Lt. tan fine to medium SAND, trace silt, wet.		S-6	2.0	0.0			
	12.0		CL-ML	Brown and gray silty CLAY, trace fine sand, wet.		S-7	2.0	0.0	2 inch, 20 slot screen with #2 well sandpack.	▽	
	14.0		SP-SM	Brown and gray fine to medium SAND, little silt, trace coarse sand, trace fine sub-rounded gravel, wet.		S-8	2.0	0.0			
15	16.0		SP-SM	Brown and gray fine SAND, some silt, little medium sand, trace fine sub-rounded gravel, wet.		S-9	2.0	0.0			
	18.0		SP-SM	Tanish gray fine SAND, little silt, trace fine sub-angular gravel, wet.		S-10	2.0	0.0			
20	20.0		SP-SM	Gray fine to medium SAND, trace silt, trace fine sub-rounded gravel, wet.		S-11	2.0	0.0			20.0
	22.0		SP-SM	Gray fine to medium SAND, trace coarse sand, trace silt, wet.		S-12	2.0	0.0			
	24.0		SP	Brown and gray fine to medium SAND, trace coarse sand, wet.		S-13	2.0	0.0	Slough		
25	26.0		SP	Gray fine to medium SAND, wet.			2.0	0.0			
	27.3		ML	Dk. brown SILT, little clay, little fine sand.		S-14		0.0			
	28.0		SP	Tan and gray fine SAND, trace coarse sand, trace fine rounded gravel, wet.		S-15	2.0	0.0			
30											

NOTES:
1. Saturated soils were encountered 6..0 feet below ground surface (ft bgs).
2. Groundwater measured at 12.81 ft bgs during drilling.
3. Wet spoons observed at 10.5 ft bgs.
4. Borehole terminated at 30.0 ft bgs.
5. Well casing screened between 5.0 ft and 20.0 ft bgs using 2 inch, 20 slot PVC.
6. Well casing extends approx. 3 ft above ground surface, protected by steel standpipe.
7. Soil descriptions performed in general accordance with ASTM D 2488, the Practice for Description and Identification of Soils (Visual-Manual Procedure).

DUFFIELD ASSOCIATES
Soil, Water & the Environment

TB/MW-4

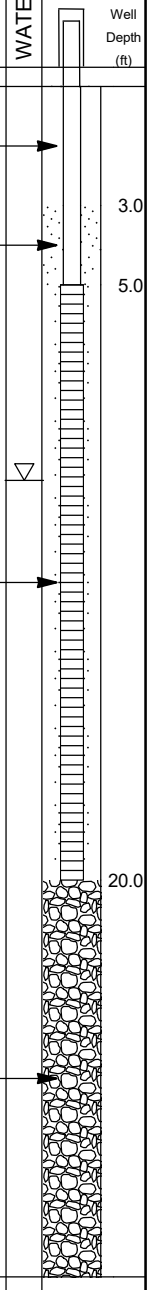
CleanBay Renewables
Georgetown, Delaware
12430.EA

Date Started : November 21, 2019
Date Completed : November 21, 2019
Logged by : M. Natrin
Weather : Sunny, 40's
Driller/Agency : M. Lyons/CGC Geoservices

Drilling Equipment : D50 Truck Mount
Drilling Methods : Hollow Stem Auger

Sample Condition: ⊠ Remolded
Water Levels: ▽ At completion

Depth in feet	Layer Depth feet	USCS	DESCRIPTION	Rec'y (ft)	PID (Deflection Units)	Remarks / Well Construction Details
0	0.4	SP-SM	Dk. brown silty SAND (organic), moist.	1.8	0.0	
	2.0	SP	Tan fine to medium SAND, moist.		0.0	2 inch PVC casing with bentonite seal.
	4.0	SP-SM	Brown fine to medium SAND, trace silt, moist.	1.5	0.0	2 inch PVC casing with #2 sandpack.
5	6.0	SP	Tan and gray fine SAND, some medium sand, moist.	1.8	0.0	
	7.3	SP	Tan fine to medium SAND, moist.	2.0	0.0	
	8.0	SP-SM	Grayish white fine SAND, some silt, wet.		0.0	
	10.0	SP-SM	Grayish white fine SAND, some silt, trace coarse sand, wet.	2.0	0.0	
10	12.0	SP-SM	Gray and brown (bedded) fine to medium SAND, little coarse SAND, little silt, trace fine rounded gravel, wet.	2.0	0.0	
	14.0	SP-SM	Tan fine to medium SAND, little coarse sand, little silt, trace fine rounded gravel, wet.	2.0	0.0	2 inch, 20 slot screen with #2 well sandpack.
15	16.0	SW-SM	Tan and gray fine to coarse SAND, some silt, trace fine sub-rounded to sub-angular gravel, wet.	2.0	0.0	
	18.0	SP-SM	Gray fine SAND, some silt, little medium sand, trace fine sub-angular gravel, wet.	2.0	0.0	
	20.0	SP-SM	Gray medium SAND, some fine sand, little silt, trace coarse sand, trace fine sub-angular gravel, wet.	2.0	0.0	
20	22.0	SP-SM	Gray and brown (bedded) fine SAND, some silt, little medium to coarse sand, trace fine sub-angular gravel, wet.	2.0	0.0	
	22.8	SP-SM	Grayish brown fine SAND, some silt, little medium to coarse sand, wet.	2.0	0.0	
	24.0	SW-SM	Gray and brown (bedded) silty SAND (fine), coarse counded gravel beds, trace coarse sand, wet.		0.0	
25	26.0	SP-SM	Grayish brown fine to coarse SAND, some silt, little coarse rounded to sub-angular gravel, wet.	2.0	0.0	Slough
	27.3	SP-SM	Brown fine to medium SAND, trace silt, wet.	2.0	0.0	
	28.0	ML	Dk. brown SILT, little fine sand, moist.		0.0	
30		SP-SM	Brown and tan (bedded) fine to medium SAND, some coarse sand, little silt, little fine sub-angular gravel, wet.	2.0	0.0	



NOTES:
1. Saturated soils were encountered at 7.25 feet below ground surface (ft bgs).
2. Groundwater measured at 9.93 ft bgs during drilling.
3. Wet spoons observed at 8.25 ft bgs.
4. Borehole terminated at 30.0 ft bgs.
5. Well casing screened between 5.0 ft and 20.0 ft bgs using 2 inch, 20 slot PVC.
6. Well casing extends approx. 3 ft above ground surface, protected by steel standpipe.
7. Soil descriptions performed in general accordance with ASTM D 2488, the Practice for Description and Identification of Soils (Visual-Manual Procedure).

APPENDIX 6

PERMITS AND WELL COMPLETION REPORTS
FOR MONITOR WELLS

DELAWARE
DIVISION OF WATER RESOURCES
Working for YOU to Provide "Clean Water for Today and Tomorrow"

PERMIT
267968 through 267971

DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

Tax Map Number: 1-33-06.00-0123.00

DRILLER COPY

Pursuant to provisions of Title 7, Delaware Code, Chapter 60, permission is hereby granted to:

Wayne, Howard
7830 Shore Drive, Preston, MD 21655 US

to construct, operate and maintain 4 Standard Monitor Well(s) in a total of 4 boring(s)

This permit is only valid for construction upon obtaining an Authorization Number from Delaware DNREC.

Construction must be completed on or before 11/8/2020, one year from permit issuance date.

A permit extension can be obtained on or before the date above by contacting Delaware DNREC.

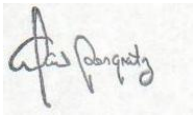
Construction must be done by a person duly licensed by the Delaware DNREC for such activity.

All current regulations governing well construction shall be followed.

All attached permit conditions shall be complied with.

The applicant is responsible for obtaining all additionally required permits and approvals.

Should the well identifcation tag become detached and irrecoverable from the well(s), the property owner is responsible to contact the Water Supply section of DNREC at 302-739-9944 for a replacement.



11/8/2019

AUTHORIZED SIGNATURE DATE

Authorization Number:

To obtain authorization please call toll free: 1-866-276-2353

DELAWARE
DIVISION OF WATER RESOURCES
Working for YOU to Provide "Clean Water for Today and Tomorrow"

PERMIT
267968 through 267971

DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

Well Driller Responsible Conditions

§16 The well(s) shall be adequately developed.

§18 The driller is responsible for decontaminating drilling equipment to prevent cross-contamination.

§50 At such time when this well must be abandoned , an abandonment report, signed by the well driller in responsible charge of the work, must be submitted to the Water Supply Section within 30 days of abandonment of the well(s).

§63 A well completion report shall be submitted to the Water Supply Section within 30 days of completion of well construction.

§69 At least 1 foot of dry bentonite pellets shall be placed above the gravel pack.

§79 The well pit cover shall be made of a material approved by the Department. The identification tag, supplied by the Department, shall be permanently attached to the well pit cover. The well pit cover shall be maintained at or slightly above the natural ground surface.

§80 The well pit shall be constructed in accordance with the approved plans and specifications.

§84 The area surrounding the monitor well shall be restored to its original condition immediately upon completion and/or abandonment of the well.

§87 The well driller or well driver is required to have at the drilling site an approved authorization number that must accompany the approved well permit.

§90 Well(s) shall be flush mounted with natural ground surface and shall be constructed with a 6 inch radius cement apron around the top of each well. The well cap(s) shall be secured with a lock, and shall carry an identifying marker.

§104 The well driller or well driver is required to have at the drilling site a copy of the signed well permit or, in the case of verbal permits, the permit number.

§105 The top of the gravel pack shall extend at least 1 foot above the top of the well screen. If the well is influenced by the water table, a minimum of 2 feet of a dry, granular or pelleted bentonite plug placed above the gravel pack is recommended. An approved cement and bentonite mix shall be used to grout either the top of the gravel pack or from the top of the bentonite plug to the ground surface.

DELAWARE
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PERMIT
267968 through 267971

DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

Owner/Well Driller Combined Responsibility Conditions

§1 The approval of this permit does not relieve the responsible party from the requirement for obtaining all permits that are required by federal, state, county, and local governments. The responsible party shall comply with any and all federal, state, county, and local statutes, ordinances, zoning procedures, orders, regulations, rules, as a condition of the issuance of this permit.

§2 The issuance of this permit does not guarantee the performance of the permitted well to the standards required by the project. The Department has no knowledge of subsurface conditions or of the constructability of the proposed well.

§3 This permit is valid only for the specific operations and processes applied for and indicated on the application form and attached drawings. Any unauthorized deviations from the approved project or violations of permit conditions may constitute grounds for revocation. Upon revocation, the well will be ordered abandoned.

§11 The well shall be equipped with a locking well cap.

§52 If identifiable contamination is detected during construction, and the contamination was not anticipated or evaluated during the permit application and approval process, the well driller shall cease work and notify the Emergency Response Hotline immediately by calling 1-800-662-8802, followed by the Water Supply Section 302-739-9944.

§54 Representatives of DNREC, the Delaware Geological Survey or the U.S. Geological Survey may inspect the well and/or conduct tests such as but not limited to geophysical logging and sampling, at any reasonable time after serving advance notice.

§72 The well(s) shall not be chlorinated.

§81 Only a licensed Well Driller may install the well pit and/or modify the upper terminus of the well.

DELAWARE
DIVISION OF WATER RESOURCES
Working for YOU to Provide "Clean Water for Today and Tomorrow"

PERMIT
267968 through 267971

DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

Tax Map Number: 1-33-06.00-0123.00

OWNER COPY

Pursuant to provisions of Title 7, Delaware Code, Chapter 60, permission is hereby granted to:

Wayne, Howard
7830 Shore Drive, Preston, MD 21655 US

to construct, operate and maintain 4 Standard Monitor Well(s) in a total of 4 boring(s)

This permit is only valid for construction upon obtaining an Authorization Number from Delaware DNREC.

Construction must be completed on or before 11/8/2020, one year from permit issuance date.

A permit extension can be obtained on or before the date above by contacting Delaware DNREC.

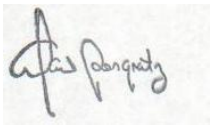
Construction must be done by a person duly licensed by the Delaware DNREC for such activity.

All current regulations governing well construction shall be followed.

All attached permit conditions shall be complied with.

The applicant is responsible for obtaining all additionally required permits and approvals.

Should the well identifcation tag become detached and irrecoverable from the well(s), the property owner is responsible to contact the Water Supply section of DNREC at 302-739-9944 for a replacement.



11/8/2019

AUTHORIZED SIGNATURE DATE

DELAWARE
DIVISION OF WATER RESOURCES
Working for YOU to Provide "Clean Water for Today and Tomorrow"

PERMIT
267968 through 267971

DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

Owner/Well Driller Combined Responsibility Conditions

§1 The approval of this permit does not relieve the responsible party from the requirement for obtaining all permits that are required by federal, state, county, and local governments. The responsible party shall comply with any and all federal, state, county, and local statutes, ordinances, zoning procedures, orders, regulations, rules, as a condition of the issuance of this permit.

§2 The issuance of this permit does not guarantee the performance of the permitted well to the standards required by the project. The Department has no knowledge of subsurface conditions or of the constructability of the proposed well.

§3 This permit is valid only for the specific operations and processes applied for and indicated on the application form and attached drawings. Any unauthorized deviations from the approved project or violations of permit conditions may constitute grounds for revocation. Upon revocation, the well will be ordered abandoned.

§11 The well shall be equipped with a locking well cap.

§52 If identifiable contamination is detected during construction, and the contamination was not anticipated or evaluated during the permit application and approval process, the well driller shall cease work and notify the Emergency Response Hotline immediately by calling 1-800-662-8802, followed by the Water Supply Section 302-739-9944.

§54 Representatives of DNREC, the Delaware Geological Survey or the U.S. Geological Survey may inspect the well and/or conduct tests such as but not limited to geophysical logging and sampling, at any reasonable time after serving advance notice.

§72 The well(s) shall not be chlorinated.

§81 Only a licensed Well Driller may install the well pit and/or modify the upper terminus of the well.

Owner Responsible Conditions

§25 The well(s) shall be capped securely at all times.

§57 Water taken from this well is not to be used for human consumption.

§58 The well shall not be used for the processing or preparation of food for sale.

§64 This permit and all conditions shall transfer to future owners of this property, identified by Tax ID# 1-33-06.00-0123.00.

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

WELL COMPLETION REPORT

http://www.dnrec.state.de.us/

APPLICATION MUST BE SUBMITTED AND PERMIT RECEIVED BEFORE DRILLING IS STARTED.

- OFFICIAL USE ONLY -

PAGE # _____ OF _____ PAGES

PERMIT #: _____

Owner:	Howard, Wayne
Address:	7830 Shore Drive
	Preston MD US 21655
Telephone:	
Email:	
Permit #:	267969
Local ID:	MW-1
Licensed Preparer / WC:	CGC Geoservices
License #:	5522
Well Driller in Charge:	
License #:	5689
Construction Method:	Augered
Total Depth of Excavation:	25.00 feet
Construction Date:	11/19/2019

Casing	Top	Bottom	Diameter	Material
Inner Casing	0.00	5.00	2.00	PVC

Screen Material:	PVC	**Diameter:**	2.00
Top:	5.00	**Bottom:**	25.00
Type of Grout:	Bentonite		
Top:	0.00	**Bottom:**	3.00
Gravel Pack Interval:			
Top:	3.00	**Bottom:**	25.00
Type of Non-Grout Backfill of Well Annulus:			None
Top:	0.00	**Bottom:**	0.00
Screen Slot Size:	20		
Gravel Pack Size:	#2		
Static Water Level:	12.00 ft.		Below Ground Surface
Date:	11/19/2019		
Pumping Water Level:	12.0000 ft.		
Date:	11/20/2019		
After:	2.00 hrs.		
Pumping at:	1.00 GPM		
Was a Geophysical Log Taken?	No		
Parcel Size:	Greater than 0.5 Acre		

Proposed Well will be:

130.00	**Feet of the FRONT property line**
450.00	**Feet of the BACK property line**
475.00	**Feet of the LEFT property line**
1050.00	**Feet of the RIGHT property line**
150.00	**Feet from the NEAREST road**
1000.00	**Feet from the SEPTIC TANK and all components**
1000.00	**Feet from the SEPTIC DRAINFIELD/CESSPOOL**
1000.00	**Feet from the CENTRAL SEWER LINE**

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Licensed Preparer/Well Contractor **Date**

Signature - Property Owner **Date**

LOCATION MAP - ROAD MAP

County:	Sussex
Tax Parcel:	1-33-06.00-0123.00
Lot #:	

WELL HEAD COMPLETION

Type:	Pad Mount
Other:	
Well Head Completed:	24.00 in.

Above Ground Surface

Was the Well Tag attached in accordance with current regulations?
Yes

Comments:

X:	205027.84
Y:	71290.94

Ref#: 41913

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER
RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

WELL COMPLETION REPORT

http://www.dnrec.state.de.us/

APPLICATION MUST BE SUBMITTED AND PERMIT RECEIVED BEFORE DRILLING IS STARTED.

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PAGE # _____ OF _____ PAGES

PERMIT #: _____

FORMATION LOG

Formation Type:	Coarse Sand	**Other:**	
Formation Type With:	Silt	**Other:**	
From:	0.00	**To:**	25.00
Color:	Gray, tan		
Texture	Coarse	**Other:**	
To:	Coarse	**Other:**	
Cement:		**Other**	
Sorting:		**Other:**	
Hardness:		**Other:**	
Comment:			

Ref#: 41913

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

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PAGE # _____ OF _____ PAGES

PERMIT #: _____

Owner:	Wayne, Howard
Address:	7830 Shore Drive
	Preston MD US 21655
Telephone:	
Email:	
Permit #:	267970
Local ID:	MW-2
Licensed Preparer / WC:	CGC Geoservices
License #:	5522
Well Driller in Charge:	
License #:	5689
Construction Method:	Augered
Total Depth of Excavation:	25.00 feet
Construction Date:	11/20/2019

Casing	Top	Bottom	Diameter	Material
Inner Casing	0.00	5.00	2.00	PVC

Screen Material:	PVC	**Diameter:**	2.00
Top:	5.00	**Bottom:**	25.00
Type of Grout:	Bentonite		
Top:	0.00	**Bottom:**	3.00
Gravel Pack Interval:			
Top:	3.00	**Bottom:**	25.00
Type of Non-Grout Backfill of Well Annulus:			None
Top:	0.00	**Bottom:**	0.00

Screen Slot Size:	20	
Gravel Pack Size:	#2	
Static Water Level:	16.00 ft.	Below Ground Surface
Date:	11/20/2019	
Pumping Water Level:	16.0000 ft.	
Date:	1/2/2020	
After:	2.00 hrs.	
Pumping at:	1.00 GPM	
Was a Geophysical Log Taken?	No	
Parcel Size:	Greater than 0.5 Acre	

Proposed Well will be:

30.00	**Feet of the FRONT property line**
550.00	**Feet of the BACK property line**
1000.00	**Feet of the LEFT property line**
600.00	**Feet of the RIGHT property line**
50.00	**Feet from the NEAREST road**
1000.00	**Feet from the SEPTIC TANK and all components**
1000.00	**Feet from the SEPTIC DRAINFIELD/CESSPOOL**
1000.00	**Feet from the CENTRAL SEWER LINE**

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Licensed Preparer/Well Contractor **Date**

Signature - Property Owner **Date**

LOCATION MAP - ROAD MAP

County:	Sussex
Tax Parcel:	1-33-06.00-0123.00
Lot #:	

WELL HEAD COMPLETION

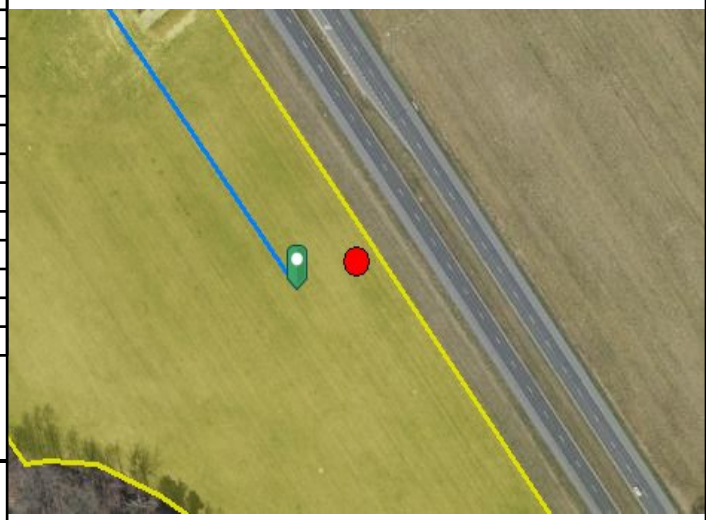
Type:	Pad Mount
Other:	
Well Head Completed:	24.00 in.

Above Ground Surface

Was the Well Tag attached in accordance with current regulations?
Yes

Comments:

X:	205142.60
Y:	71188.89



Ref#: 41914

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER
RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

WELL COMPLETION REPORT

http://www.dnrec.state.de.us/

APPLICATION MUST BE SUBMITTED AND PERMIT RECEIVED BEFORE DRILLING IS STARTED.

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PAGE # _____ OF _____ PAGES

PERMIT #: _____

FORMATION LOG

Formation Type:	Coarse Sand	**Other:**	
Formation Type With:	Silt	**Other:**	
From:	0.00	**To:**	25.00
Color:	Brown, tan, white		
Texture	Coarse	**Other:**	
To:	Coarse	**Other:**	
Cement:		**Other**	
Sorting:		**Other:**	
Hardness:		**Other:**	
Comment:			

Ref#: 41914

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
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- OFFICIAL USE ONLY -

PAGE # _____ OF _____ PAGES

PERMIT #: _____

Owner:	Wayne, Howard
Address:	7830 Shore Drive
	Preston MD US 21655
Telephone:	
Email:	
Permit #:	267971
Local ID:	MW-3
Licensed Preparer / WC:	CGC Geoservices
License #:	5522
Well Driller in Charge:	
License #:	5689
Construction Method:	Augered
Total Depth of Excavation:	20.00 feet
Construction Date:	11/20/2019

Casing	Top	Bottom	Diameter	Material
Inner Casing	0.00	5.00	2.00	PVC

Screen Material:	PVC	**Diameter:**	2.00
Top:	5.00	**Bottom:**	20.00
Type of Grout:	Bentonite		
Top:	0.00	**Bottom:**	3.00
Gravel Pack Interval:			
Top:	3.00	**Bottom:**	20.00
Type of Non-Grout Backfill of Well Annulus:			None
Top:	0.00	**Bottom:**	0.00
Screen Slot Size:	20		
Gravel Pack Size:	#2		
Static Water Level:	12.00 ft.		Below Ground Surface
Date:	11/20/2019		
Pumping Water Level:	12.0000 ft.		
Date:	11/21/2019		
After:	2.00 hrs.		
Pumping at:	1.00 GPM		
Was a Geophysical Log Taken?	No		
Parcel Size:	Greater than 0.5 Acre		

Proposed Well will be:

450.00	**Feet of the FRONT property line**
120.00	**Feet of the BACK property line**
300.00	**Feet of the LEFT property line**
560.00	**Feet of the RIGHT property line**
480.00	**Feet from the NEAREST road**
1000.00	**Feet from the SEPTIC TANK and all components**
1000.00	**Feet from the SEPTIC DRAINFIELD/CESSPOOL**
1000.00	**Feet from the CENTRAL SEWER LINE**

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Licensed Preparer/Well Contractor **Date**

Signature - Property Owner **Date**

LOCATION MAP - ROAD MAP

County:	Sussex
Tax Parcel:	1-33-06.00-0123.00
Lot #:	

WELL HEAD COMPLETION

Type:	Pad Mount
Other:	
Well Head Completed:	24.00 in.

Above Ground Surface

Was the Well Tag attached in accordance with current regulations?
Yes

Comments:

X:	204922.58
Y:	71258.08

Ref#: 41915

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER
RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

WELL COMPLETION REPORT

http://www.dnrec.state.de.us/

APPLICATION MUST BE SUBMITTED AND PERMIT RECEIVED BEFORE DRILLING IS STARTED.

- OFFICIAL USE ONLY -

PAGE # _____ OF _____ PAGES

PERMIT #: _____

FORMATION LOG

Formation Type:	Coarse Sand	**Other:**	
Formation Type With:	Silt	**Other:**	
From:	0.00	**To:**	12.00
Color:	Brown, tan		
Texture	Coarse	**Other:**	
To:	Coarse	**Other:**	
Cement:		**Other**	
Sorting:		**Other:**	
Hardness:		**Other:**	
Comment:			

Formation Type:	Clay	**Other:**	
Formation Type With:	Sand	**Other:**	
From:	12.00	**To:**	14.00
Color:	Brown, gray		
Texture		**Other:**	
To:		**Other:**	
Cement:		**Other**	
Sorting:		**Other:**	
Hardness:		**Other:**	
Comment:			

Formation Type:	Coarse Sand	**Other:**	
Formation Type With:	Silt	**Other:**	
From:	14.00	**To:**	20.00
Color:	Brown, gray		
Texture	Coarse	**Other:**	
To:	Coarse	**Other:**	
Cement:		**Other**	
Sorting:		**Other:**	
Hardness:		**Other:**	
Comment:			

Ref#: 41915

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

WELL COMPLETION REPORT

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APPLICATION MUST BE SUBMITTED AND PERMIT RECEIVED BEFORE DRILLING IS STARTED.

- OFFICIAL USE ONLY -

PAGE # _____ OF _____ PAGES

PERMIT #: _____

Owner:	Wayne, Howard
Address:	7830 Shore Drive
	Preston MD US 21655
Telephone:	
Email:	
Permit #:	267968
Local ID:	MW-4
Licensed Preparer / WC:	CGC Geoservices
License #:	5522
Well Driller in Charge:	
License #:	5689
Construction Method:	Augered
Total Depth of Excavation:	20.00 feet
Construction Date:	11/21/2019

Casing	Top	Bottom	Diameter	Material
Inner Casing	0.00	5.00	2.00	PVC

Screen Material:	PVC	**Diameter:**	2.00
Top:	5.00	**Bottom:**	20.00
Type of Grout:	Bentonite		
Top:	0.00	**Bottom:**	3.00
Gravel Pack Interval:			
Top:	3.00	**Bottom:**	20.00
Type of Non-Grout Backfill of Well Annulus:			None
Top:	0.00	**Bottom:**	0.00
Screen Slot Size:	20		
Gravel Pack Size:	#2		
Static Water Level:	10.00 ft.		Below Ground Surface
Date:	11/21/2019		
Pumping Water Level:	10.0000 ft.		
Date:	11/22/2019		
After:	2.00 hrs.		
Pumping at:	1.00 GPM		
Was a Geophysical Log Taken?	No		
Parcel Size:	Greater than 0.5 Acre		

Proposed Well will be:

400.00	**Feet of the FRONT property line**
160.00	**Feet of the BACK property line**
740.00	**Feet of the LEFT property line**
250.00	**Feet of the RIGHT property line**
425.00	**Feet from the NEAREST road**
1000.00	**Feet from the SEPTIC TANK and all components**
1000.00	**Feet from the SEPTIC DRAINFIELD/CESSPOOL**
1000.00	**Feet from the CENTRAL SEWER LINE**

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Licensed Preparer/Well Contractor **Date**

Signature - Property Owner **Date**

LOCATION MAP - ROAD MAP

County:	Sussex
Tax Parcel:	1-33-06.00-0123.00
Lot #:	

WELL HEAD COMPLETION

Type:	Pad Mount
Other:	
Well Head Completed:	24.00 in.

Above Ground Surface

Was the Well Tag attached in accordance with current regulations?
Yes

Comments:

X:	205021.53
Y:	71160.71

Ref#: 41916

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER
RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

WELL COMPLETION REPORT

http://www.dnrec.state.de.us/

APPLICATION MUST BE SUBMITTED AND PERMIT RECEIVED BEFORE DRILLING IS STARTED.

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PAGE # _____ OF _____ PAGES

PERMIT #: _____

FORMATION LOG

Formation Type:	Coarse Sand	**Other:**	
Formation Type With:	Silt	**Other:**	
From:	0.00	**To:**	20.00
Color:	Tan, gray		
Texture	Coarse	**Other:**	
To:	Coarse	**Other:**	
Cement:		**Other**	
Sorting:		**Other:**	
Hardness:		**Other:**	
Comment:			

Ref#: 41916

APPENDIX 7

WELL SURVEY FIGURE AND DATA

THIS PLAN IS INTENDED TO SHOW FIELD DATA SURVEYED ON DECEMBER 18, 2019. DATUM IS DELAWARE STATE PLANE NAD 83, NAVD 88.

Point Table				
Point #	Elevation	Northing	Easting	Description
1	45.25	233819.08	672667.37	MW1 PVC El. 45.07' – Ground El. 41.7' Stick up
2	44.28	233702.57	672971.56	MW2 PVC El. 44.12' – Ground El. 41.0' Stick up
3	42.21	233368.20	672901.07	MW3 PVC El. 42.05' – Ground El. 38.9' Stick up
4	42.59	233437.78	672520.71	MW4 PVC El. 42.45' – Ground El. 39.4' Stick up

SCALE 1"=100' JANUARY 6, 2020

MONITORING WELLS EXHIBIT PLAN

PREPARED FOR

DUFFIELD ASSOCIATES, INC.

KNOWN AS

#24778 DUPONT BOULEVARD

PARCEL ID NO. 133-6.00-123.00

DAGSBORO HUNDRED - SUSSEX COUNTY - DELAWARE

GRAPHIC SCALE (FEET)

0 100 200 300

TRANSITION
ENGINEERING
SURVEYING
(302) 983-7008
MIDDLETOWN
DELAWARE

JOHN J. TRAYNOR III REGISTERED NO. 507 PROFESSIONAL LAND SURVEYOR DELAWARE

APPROVED

PROJECT NO.: DAI: 033.291.01

CAD FILE: 24778Dupont_MWs.dwg

DRAWN BY: LAS

CHECKED BY: JJT

DWG. NO.: V.01

SHEET. NO.: 1 OF 1

APPENDIX 8

GROUNDWATER MONITORING FIELD SHEETS

DUFFIELD ASSOCIATES, INC.
LOW FLOW SAMPLING
DATA SHEET

Site: CleanBay Renewables | Project No.: 12430.EA | Personnel: MAN / MEF
Date: 12/23/2019 | Weather: Sunny, 30's | Last Sampled: Baseline Sampling

Monitoring Well #: MW-2 | Well Depth: 25 feet | Screened Interval: 5-25 feet below top of casing
Well Permit #: | Well Diameter: 2 inches | PID Readings: parts per million

Free Product Present: Yes/No
Depth to Free Product: feet below top of casing
Thickness of Free Product: inches

Time:	Purging	Sampling	+/-3% Temperature (C°) Reading	Temperature (C°) Change*	+/-0.1 pH Reading	pH Change*	+/-10 Redox Potential (mv) Reading	Redox Potential (mv) Change*	+/-3% Specific Conductivity (mS/cm) Reading	Specific Conductivity (mS/cm) Change*	+/-10% Turbidity (NTU) Reading	Turbidity (NTU) Change*	+/-10% Dissolved Oxygen (mg/l) Reading	Dissolved Oxygen (mg/l) Change*	Pumping Rate (ml/min)	Depth to Water (ft below TOC)
0900	X		15.2		5.02		225		160		102		8.60		~240	
0905	X		15.3		4.95		254		159		34.8		8.56			
0910	X		15.3		4.95		267		159		13.6		8.51			
0915	X		15.3		4.96		279		160		5.41		8.34			
0920	X		15.4		4.96		286		160		3.61		8.23			
0925	X		15.4		4.96		291		160		3.04		8.19			
0930	X		15.4		4.95		290		160		2.41		8.18			
0935	X		15.4		4.96		290		159		2.40		8.18			
0940	X		15.4		4.96		290		159		2.41		8.18			
0945		X	15.4		4.96		291		159		2.41		8.18			

Comments:
Sample collected at: 0945. Duplicate sample also collected from MW-3

Depth to water: 13.68 ft below TOC (high side)

*INDICATOR PARAMETERS HAVE STABILIZED WHEN THREE (3) CONSECUTIVE READINGS (5 -6 MINUTES APART) ARE WITHIN: +/- 0.1 FOR Ph; +/- 3% FOR SPECIFIC CONDUCTIVITY AND TEMPERATURE; +/- 10 MV FOR REDOX POTENTIAL; AND +/- 10% FOR DISSOLVED OXYGEN AND TURBIDITY.

WATER DRAWDOWN <0.3 FEET DURING PURGING, FLOW RATE ~250 ML/MIN

DUFFIELD ASSOCIATES, INC.
LOW FLOW SAMPLING
DATA SHEET

Site: CleanBay Renewables | Project No.: 12430.EA | Personnel: MAN / MEF
Date: 12/16/2019 | Weather: Rain, Snow, 30's | Last Sampled: Baseline Sampling

Monitoring Well #: MW-4 | Well Depth: 20 feet | Screened Interval: 5-20 feet below top of casing
Well Permit #: | Well Diameter: 2 inches | PID Readings: parts per million

Free Product Present: Yes/(No)
Depth to Free Product: feet below top of casing
Thickness of Free Product: inches

Time:	Purging	Sampling	+/-3% Temperature (C°) Reading	Temperature (C°) Change*	+/-0.1 pH Reading	pH Change*	+/-10 Redox Potential (mv) Reading	Redox Potential (mv) Change*	+/-3% Specific Conductivity (mS/cm) Reading	Specific Conductivity (mS/cm) Change*	+/-10% Turbidity (NTU) Reading	Turbidity (NTU) Change*	+/-10% Dissolved Oxygen (mg/l) Reading	Dissolved Oxygen (mg/l) Change*	Pumping Rate (ml/min)	Depth to Water (ft below TOC)
1100	X		15.5		4.70		237		188		263		9.14			
1105	X		15.6		4.64		241		190		196		9.32			
1110	X		15.6		4.63		243		191		135		9.41			
1115	X		15.7		4.60		244		191		103		9.47			
1120	X		15.7		4.63		248		191		58		9.51			
1125	X		15.7		4.64		252		191		29		9.51			
1130	X		15.7		4.65		254		191		25		9.53			
1135	X		15.7		4.65		255		191		25		9.53			
1140		X	15.7		4.65		255		191		25		9.53			

Comments:
Sample collected at: 1145. MS/MSD collected with MW-4

Depth to water: 11.60 ft below TOC

*INDICATOR PARAMETERS HAVE STABILIZED WHEN THREE (3) CONSECUTIVE READINGS (5 -6 MINUTES APART) ARE WITHIN: +/- 0.1 FOR Ph; +/- 3% FOR SPECIFIC CONDUCTIVITY AND TEMPERATURE; +/- 10 MV FOR REDOX POTENTIAL; AND +/- 10% FOR DISSOLVED OXYGEN AND TURBIDITY.

WATER DRAWDOWN <0.3 FEET DURING PURGING, FLOW RATE ~250 ML/MIN

DUFFIELD ASSOCIATES, INC.
LOW FLOW SAMPLING
DATA SHEET

Site: CleanBay Renewables Project No.: 12430.EA Personnel: MAN / MEF
Date: 12/16/2019 Weather: Rain, 30's Last Sampled: Baseline Sampling

Monitoring Well #: MW-3 Well Depth: 20 feet Screened Interval: 5-20 feet below top of casing
Well Permit #: Well Diameter: 2 inches PID Readings: _____ parts per million

Free Product Present: Yes/(No)
Depth to Free Product: _____ feet below top of casing
Thickness of Free Product: _____ inches

Time:	Purging	Sampling	+/-3% Temperature (C°) Reading	Temperature (C°) Change*	+/-0.1 pH Reading	pH Change*	+/-10 Redox Potential (mv) Reading	Redox Potential (mv) Change*	+/-3% Specific Conductivity (mS/cm) Reading	Specific Conductivity (mS/cm) Change*	+/-10% Turbidity (NTU) Reading	Turbidity (NTU) Change*	+/-10% Dissolved Oxygen (mg/l) Reading	Dissolved Oxygen (mg/l) Change*	Pumping Rate (ml/min)	Depth to Water (ft below TOC)
1240	X		13.3		5.30		235		143		112		8.95			
1245	X		13.0		5.31		232		142		101		8.94			
1250	X		13.1		5.31		231		143		101		8.88			
1255	X		13.0		5.34		232		142		116		8.93			
1300	X		13.0		5.34		232		142		117		8.92			
1305	X		13.0		5.34		232		142		116		8.92			
1310	X	X	13.0		5.34		232		143		116		8.92			
1315	X	X	13.0		5.34		232		143		116		8.92			

Comments:
Sample collected at: 1315
Depth to water: 11.73 ft below TOC

*INDICATOR PARAMETERS HAVE STABILIZED WHEN THREE (3) CONSECUTIVE READINGS (5 -6 MINUTES APART) ARE WITHIN: +/- 0.1 FOR Ph; +/- 3% FOR SPECIFIC CONDUCTIVITY AND TEMPERATURE; +/- 10 MV FOR REDOX POTENTIAL; AND +/- 10% FOR DISSOLVED OXYGEN AND TURBIDITY.

WATER DRAWDOWN <0.3 FEET DURING PURGING, FLOW RATE ~250 ML/MIN

DUFFIELD ASSOCIATES, INC.
LOW FLOW SAMPLING
DATA SHEET

Site: CleanBay Renewables Project No.: 12430.EA Personnel: MAN / MEF
Date: 12/23/2019 Weather: Sunny, 40's Last Sampled: Baseline Sampling

Monitoring Well #: MW-1 Well Depth: 25 feet Screened Interval: 5-25 feet below top of casing
Well Permit #: Well Diameter: 2 inches PID Readings: 0.8 parts per million

Free Product Present: Yes/No
Depth to Free Product: _____ feet below top of casing
Thickness of Free Product: _____ inches

Time:	Purging	Sampling	+/-3% Temperature (C°) Reading	Change*	+/-0.1 pH Reading	Change*	+/-10 Redox Potential (mv) Reading	Change*	+/-3% Specific Conductivity (mS/cm) Reading	Change*	+/-10% Turbidity (NTU) Reading	Change*	+/-10% Dissolved Oxygen (mg/l) Reading	Change*	Pumping Rate (ml/min)	Depth to Water (ft below TOC)
1050	X		15.6		5.75		136		297		15.8		2.86		~245	
1055	X		15.5		5.76		129		299		14.7		2.61			
1100	X		15.6		5.81		110		300		22.8		3.52			
1105	X		15.8		5.77		109		297		24.9		2.64			
1110	X		15.8		5.75		110		295		35.8		2.52			
1115	X		15.7		5.74		111		295		43.1		2.30			
1120	X		15.7		5.73		112		295		41.1		2.55			
1125	X		15.7		5.74		112		299		41.2		2.55			
1130	X		15.7		5.73		112		299		41.2		2.55			
1135	X	~~X~~	15.7		5.73		112		299		41.1		2.55			
		X	15.7		5.73		112		299		4.11		2.54			

Comments:
Sample collected at: 1135
Slight diesel odor in well casing.
Depth to water: 13.41 ft below TOC (high side)

*INDICATOR PARAMETERS HAVE STABILIZED WHEN THREE (3) CONSECUTIVE READINGS (5 -6 MINUTES APART) ARE WITHIN: +/- 0.1 FOR Ph; +/- 3% FOR SPECIFIC CONDUCTIVITY AND TEMPERATURE; +/- 10 MV FOR REDOX POTENTIAL; AND +/- 10% FOR DISSOLVED OXYGEN AND TURBIDITY.

WATER DRAWDOWN <0.3 FEET DURING PURGING, FLOW RATE ~250 ML/MIN

APPENDIX 9

LABORATORY ANALYSIS REPORTS FOR GROUNDWATER SAMPLES

eurofins | Environment Testing TestAmerica

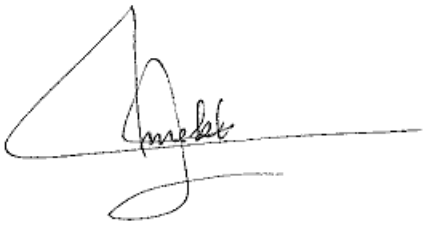
ANALYTICAL REPORT

Job Number: 460-199723-1

Job Description: Clean Bay Renewables

For:
Duffield Associates
5400 Limestone Road
Wilmington, DE 19808

Attention: Mr. Steven Cahill



Approved for release.
Karima M Hamzi
Project Management Assistant I
1/7/2020 11:08 AM

Designee for
Omayra Penas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)593-2538
omayra.penas@testamericainc.com
01/07/2020

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

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.

Eurofins TestAmerica, Edison
777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

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CASE NARRATIVE

Client: Duffield Associates

Project: Clean Bay Renewables

Report Number: 460-199723-1

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

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

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

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

RECEIPT

The samples were received on 12/24/2019 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 4.5º C, 4.8º C and 5.0º C.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-2 (460-199723-1), MW-1 (460-199723-2) and Duplicate (460-199723-3) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 12/30/2019.

The continuing calibration verification (CCV) analyzed in batch 460-665782 was outside the method criteria for the following analyte(s): 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high) and 1,2,3-Trichlorobenzene (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several analytes failed the recovery criteria high for the MS of sample 460-199722-1 in batch 460-665782.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates (Toluene-d8) to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits (biased high): (460-199722-A-1 MS). These results have been reported and qualified.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-2 (460-199723-1), MW-1 (460-199723-2) and Duplicate (460-199723-3) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 12/27/2019 and analyzed on 12/28/2019.

Several analytes failed the recovery criteria high for the MSD of sample 460-199751-5 in batch 460-665495. Several analytes exceeded the RPD limit.

3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample 460-199751-5 in batch 460-665495.

Surrogate recovery for the following method blank (MB), laboratory control sample (LCS), laboratory control sample duplicate (LCSD), and matrix spike duplicate (MSD) associated with batch 460-665354 were outside the control limits. Sample has been qualified and reported.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside

acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (460-199751-F-5-B). These results have been reported and qualified.

Surrogate (2-Fluorophenol, Nitrobenzene-d5 and Phenol-d5) recovery for the following sample was outside the upper control limit (biased high) : MW-1 (460-199723-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples MW-2 (460-199723-1), MW-1 (460-199723-2) and Duplicate (460-199723-3) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 12/26/2019 and analyzed on 12/27/2019.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-665106 and analytical batch 460-665293 recovered outside control limits for all analytes:(LCSD 460-665106/3-A).

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples MW-2 (460-199723-1), MW-1 (460-199723-2) and Duplicate (460-199723-3) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 12/26/2019 and analyzed on 12/28/2019.

The continuing calibration verification (CCV) associated with batch 460-665567 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-665567 recovered above the upper control limit for many analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-665272 and analytical batch 460-665567 recovered outside control limits for the following analytes: 2,4,5-T. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The 2,4-Dichlorophenylacetic acid surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: MW-2 (460-199723-1), MW-1 (460-199723-2) and Duplicate (460-199723-3). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

The surrogate 2,4-Dichlorophenylacetic acid recovery for the blank associated with preparation batch 460-665272 and analytical batch 460-665567 was outside the upper control limits on the primary column.

Refer to the QC report for details

No other difficulties were encountered during the herbicides analysis.

All other quality control parameters were within the acceptance limits.

METALS (ICP)

Samples MW-2 (460-199723-1), MW-1 (460-199723-2) and Duplicate (460-199723-3) were analyzed for Metals (ICP) in accordance with 6020B. The samples were prepared and analyzed on 12/31/2019.

Several analytes failed the recovery criteria high for the MS of sample 460-199766-2 in batch 460-666196.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the Metals (ICP) analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Samples MW-2 (460-199723-1), MW-1 (460-199723-2) and Duplicate (460-199723-3) were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 12/30/2019.

No difficulties were encountered during the dissolved Hg analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Duffield Associates
Job ID: 460-199723-1
Project/Site: Clean Bay Renewables

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-199723-1	MW-2	Water	12/23/19 09:45	12/24/19 16:00	
460-199723-2	MW-1	Water	12/23/19 11:35	12/24/19 16:00	
460-199723-3	Duplicate	Water	12/23/19 12:00	12/24/19 16:00	

Detection Summary

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199723-1

Client Sample ID: MW-2 — Lab Sample ID: 460-199723-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	194		4.0	1.2	ug/L	2		6020B	Dissolved
Cobalt, Dissolved	1.6	J	4.0	1.6	ug/L	2		6020B	Dissolved
Manganese, Dissolved	22.5		8.0	2.9	ug/L	2		6020B	Dissolved
Aluminum, Dissolved	56.0		40.0	18.8	ug/L	2		6020B	Dissolved
Sodium, Dissolved	4700		200	128	ug/L	2		6020B	Dissolved
Magnesium, Dissolved	3750		200	73.7	ug/L	2		6020B	Dissolved
Potassium, Dissolved	6300		200	86.7	ug/L	2		6020B	Dissolved
Calcium, Dissolved	10400		200	98.8	ug/L	2		6020B	Dissolved

Client Sample ID: MW-1 — Lab Sample ID: 460-199723-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.82	J	1.0	0.33	ug/L	1		8260C	Total/NA
Barium, Dissolved	100		4.0	1.2	ug/L	2		6020B	Dissolved
Cobalt, Dissolved	6.9		4.0	1.6	ug/L	2		6020B	Dissolved
Copper, Dissolved	2.2	J	4.0	2.0	ug/L	2		6020B	Dissolved
Manganese, Dissolved	120		8.0	2.9	ug/L	2		6020B	Dissolved
Nickel, Dissolved	5.1		4.0	2.4	ug/L	2		6020B	Dissolved
Zinc, Dissolved	89.6		16.0	11.1	ug/L	2		6020B	Dissolved
Aluminum, Dissolved	101		40.0	18.8	ug/L	2		6020B	Dissolved
Sodium, Dissolved	12200		200	128	ug/L	2		6020B	Dissolved
Magnesium, Dissolved	4590		200	73.7	ug/L	2		6020B	Dissolved
Potassium, Dissolved	19100		200	86.7	ug/L	2		6020B	Dissolved
Calcium, Dissolved	15400		200	98.8	ug/L	2		6020B	Dissolved
Iron, Dissolved	847		120	51.1	ug/L	2		6020B	Dissolved

Client Sample ID: Duplicate — Lab Sample ID: 460-199723-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	185		4.0	1.2	ug/L	2		6020B	Dissolved
Cobalt, Dissolved	1.6	J	4.0	1.6	ug/L	2		6020B	Dissolved
Manganese, Dissolved	21.9		8.0	2.9	ug/L	2		6020B	Dissolved
Aluminum, Dissolved	54.0		40.0	18.8	ug/L	2		6020B	Dissolved
Sodium, Dissolved	4510		200	128	ug/L	2		6020B	Dissolved
Magnesium, Dissolved	3590		200	73.7	ug/L	2		6020B	Dissolved
Potassium, Dissolved	6080		200	86.7	ug/L	2		6020B	Dissolved
Calcium, Dissolved	10100		200	98.8	ug/L	2		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Duffield Associates
Job ID: 460-199723-1
Project/Site: Clean Bay Renewables

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-2
Lab Sample ID: 460-199723-1

Date Collected: 12/23/19 09:45
Matrix: Water
Date Received: 12/24/19 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/30/19 13:59	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/30/19 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/30/19 13:59	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 13:59	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/30/19 13:59	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/30/19 13:59	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/30/19 13:59	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/30/19 13:59	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/30/19 13:59	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/30/19 13:59	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/30/19 13:59	1
1,4-Dioxane	28	U	50	28	ug/L			12/30/19 13:59	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/30/19 13:59	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/30/19 13:59	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/30/19 13:59	1
Acetone	4.4	U	5.0	4.4	ug/L			12/30/19 13:59	1
Benzene	0.20	U	1.0	0.20	ug/L			12/30/19 13:59	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/30/19 13:59	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/30/19 13:59	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/30/19 13:59	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/30/19 13:59	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/30/19 13:59	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/30/19 13:59	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/30/19 13:59	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/30/19 13:59	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/30/19 13:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/30/19 13:59	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/30/19 13:59	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/30/19 13:59	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/30/19 13:59	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/30/19 13:59	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/30/19 13:59	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/30/19 13:59	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/30/19 13:59	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/30/19 13:59	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/30/19 13:59	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/30/19 13:59	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/30/19 13:59	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/30/19 13:59	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/30/19 13:59	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/30/19 13:59	1
Styrene	0.42	U	1.0	0.42	ug/L			12/30/19 13:59	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/30/19 13:59	1
Toluene	0.38	U	1.0	0.38	ug/L			12/30/19 13:59	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/30/19 13:59	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/30/19 13:59	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/30/19 13:59	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/30/19 13:59	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/30/19 13:59	1

Client Sample ID: MW-2
Date Collected: 12/23/19 09:45
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 13:59	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/30/19 13:59	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/30/19 13:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/30/19 13:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*12/30/19 13:59*	*1*
4-Bromofluorobenzene	*95*		*77 - 124*		*12/30/19 13:59*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*12/30/19 13:59*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/30/19 13:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:23	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,4-Dinitrophenol	14	U	20	14	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/27/19 08:34	12/28/19 06:23	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/27/19 08:34	12/28/19 06:23	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:23	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/27/19 08:34	12/28/19 06:23	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:23	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/27/19 08:34	12/28/19 06:23	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/27/19 08:34	12/28/19 06:23	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 06:23	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/28/19 06:23	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/28/19 06:23	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/27/19 08:34	12/28/19 06:23	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 06:23	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/28/19 06:23	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/28/19 06:23	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/27/19 08:34	12/28/19 06:23	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/27/19 08:34	12/28/19 06:23	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:23	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/27/19 08:34	12/28/19 06:23	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:23	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/27/19 08:34	12/28/19 06:23	1
Acetophenone	2.3	U	10	2.3	ug/L		12/27/19 08:34	12/28/19 06:23	1
Anthracene	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/28/19 06:23	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/27/19 08:34	12/28/19 06:23	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/27/19 08:34	12/28/19 06:23	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/27/19 08:34	12/28/19 06:23	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/27/19 08:34	12/28/19 06:23	1

Client Sample ID: MW-2
Date Collected: 12/23/19 09:45
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/27/19 08:34	12/28/19 06:23	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/28/19 06:23	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/27/19 08:34	12/28/19 06:23	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/27/19 08:34	12/28/19 06:23	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/27/19 08:34	12/28/19 06:23	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/27/19 08:34	12/28/19 06:23	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/27/19 08:34	12/28/19 06:23	1
Caprolactam	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/28/19 06:23	1
Carbazole	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/28/19 06:23	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/27/19 08:34	12/28/19 06:23	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/27/19 08:34	12/28/19 06:23	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:23	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/27/19 08:34	12/28/19 06:23	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/27/19 08:34	12/28/19 06:23	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/28/19 06:23	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/27/19 08:34	12/28/19 06:23	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/28/19 06:23	1
Fluorene	0.91	U	10	0.91	ug/L		12/27/19 08:34	12/28/19 06:23	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/27/19 08:34	12/28/19 06:23	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/27/19 08:34	12/28/19 06:23	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/27/19 08:34	12/28/19 06:23	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/27/19 08:34	12/28/19 06:23	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/27/19 08:34	12/28/19 06:23	1
Isophorone	0.80	U	10	0.80	ug/L		12/27/19 08:34	12/28/19 06:23	1
Naphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:23	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/27/19 08:34	12/28/19 06:23	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/27/19 08:34	12/28/19 06:23	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/27/19 08:34	12/28/19 06:23	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/27/19 08:34	12/28/19 06:23	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/28/19 06:23	1
Phenol	0.29	U	10	0.29	ug/L		12/27/19 08:34	12/28/19 06:23	1
Pyrene	1.6	U	10	1.6	ug/L		12/27/19 08:34	12/28/19 06:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.5*	*J*	*ug/L*		*10.08*		*12/27/19 08:34*	*12/28/19 06:23*	*1*
Unknown	*12*	*J*	*ug/L*		*10.41*		*12/27/19 08:34*	*12/28/19 06:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*26 - 139*	*12/27/19 08:34*	*12/28/19 06:23*	*1*
2-Fluorobiphenyl	*85*		*45 - 107*	*12/27/19 08:34*	*12/28/19 06:23*	*1*
2-Fluorophenol (Surr)	*52*		*25 - 58*	*12/27/19 08:34*	*12/28/19 06:23*	*1*
Nitrobenzene-d5 (Surr)	*102*		*51 - 108*	*12/27/19 08:34*	*12/28/19 06:23*	*1*
Phenol-d5 (Surr)	*37*		*14 - 39*	*12/27/19 08:34*	*12/28/19 06:23*	*1*
Terphenyl-d14 (Surr)	*104*		*40 - 148*	*12/27/19 08:34*	*12/28/19 06:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U *	0.020	0.0060	ug/L		12/26/19 15:34	12/27/19 10:00	1
4,4'-DDE	0.0020	U *	0.020	0.0020	ug/L		12/26/19 15:34	12/27/19 10:00	1
4,4'-DDT	0.0040	U *	0.020	0.0040	ug/L		12/26/19 15:34	12/27/19 10:00	1

Client Sample ID: MW-2
Lab Sample ID: 460-199723-1

Date Collected: 12/23/19 09:45
Matrix: Water

Date Received: 12/24/19 16:00

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 15:34	12/27/19 10:00	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/26/19 15:34	12/27/19 10:00	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/26/19 15:34	12/27/19 10:00	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/26/19 15:34	12/27/19 10:00	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/26/19 15:34	12/27/19 10:00	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 15:34	12/27/19 10:00	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/26/19 15:34	12/27/19 10:00	1
Endosulfan II	0.0040	U *	0.020	0.0040	ug/L		12/26/19 15:34	12/27/19 10:00	1
Endosulfan sulfate	0.0060	U *	0.020	0.0060	ug/L		12/26/19 15:34	12/27/19 10:00	1
Endrin	0.0040	U *	0.020	0.0040	ug/L		12/26/19 15:34	12/27/19 10:00	1
Endrin aldehyde	0.0080	U *	0.020	0.0080	ug/L		12/26/19 15:34	12/27/19 10:00	1
Endrin ketone	0.0080	U *	0.020	0.0080	ug/L		12/26/19 15:34	12/27/19 10:00	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/26/19 15:34	12/27/19 10:00	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/26/19 15:34	12/27/19 10:00	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/26/19 15:34	12/27/19 10:00	1
Methoxychlor	0.0040	U *	0.020	0.0040	ug/L		12/26/19 15:34	12/27/19 10:00	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/26/19 15:34	12/27/19 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*10 - 150*	*12/26/19 15:34*	*12/27/19 10:00*	*1*
DCB Decachlorobiphenyl	*51*		*10 - 150*	*12/26/19 15:34*	*12/27/19 10:00*	*1*
Tetrachloro-m-xylene	*70*		*12 - 136*	*12/26/19 15:34*	*12/27/19 10:00*	*1*
Tetrachloro-m-xylene	*69*		*12 - 136*	*12/26/19 15:34*	*12/27/19 10:00*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/26/19 23:47	12/28/19 14:03	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/26/19 23:47	12/28/19 14:03	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/26/19 23:47	12/28/19 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*159*	*X*	*54 - 150*	*12/26/19 23:47*	*12/28/19 14:03*	*1*
2,4-Dichlorophenylacetic acid	*103*		*54 - 150*	*12/26/19 23:47*	*12/28/19 14:03*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.59	U	2.0	0.59	ug/L		12/31/19 16:11	12/31/19 17:33	2
Arsenic, Dissolved	0.73	U	2.0	0.73	ug/L		12/31/19 16:11	12/31/19 17:33	2
Barium, Dissolved	**194**		4.0	1.2	ug/L		12/31/19 16:11	12/31/19 17:33	2
Beryllium, Dissolved	0.25	U	0.80	0.25	ug/L		12/31/19 16:11	12/31/19 17:33	2
Cadmium, Dissolved	0.81	U	2.0	0.81	ug/L		12/31/19 16:11	12/31/19 17:33	2
Cobalt, Dissolved	**1.6**	**J**	4.0	1.6	ug/L		12/31/19 16:11	12/31/19 17:33	2
Chromium, Dissolved	2.3	U	4.0	2.3	ug/L		12/31/19 16:11	12/31/19 17:33	2
Copper, Dissolved	2.0	U	4.0	2.0	ug/L		12/31/19 16:11	12/31/19 17:33	2
Manganese, Dissolved	**22.5**		8.0	2.9	ug/L		12/31/19 16:11	12/31/19 17:33	2
Nickel, Dissolved	2.4	U	4.0	2.4	ug/L		12/31/19 16:11	12/31/19 17:33	2
Lead, Dissolved	0.55	U	1.2	0.55	ug/L		12/31/19 16:11	12/31/19 17:33	2
Antimony, Dissolved	0.40	U	2.0	0.40	ug/L		12/31/19 16:11	12/31/19 17:33	2
Selenium, Dissolved	5.4	U	10.0	5.4	ug/L		12/31/19 16:11	12/31/19 17:33	2
Vanadium, Dissolved	1.1	U	4.0	1.1	ug/L		12/31/19 16:11	12/31/19 17:33	2

Client Sample ID: MW-2
Lab Sample ID: 460-199723-1
Date Collected: 12/23/19 09:45
Matrix: Water
Date Received: 12/24/19 16:00

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc, Dissolved	11.1	U	16.0	11.1	ug/L		12/31/19 16:11	12/31/19 17:33	2
Aluminum, Dissolved	**56.0**		40.0	18.8	ug/L		12/31/19 16:11	12/31/19 17:33	2
Sodium, Dissolved	**4700**		200	128	ug/L		12/31/19 16:11	12/31/19 17:33	2
Magnesium, Dissolved	**3750**		200	73.7	ug/L		12/31/19 16:11	12/31/19 17:33	2
Potassium, Dissolved	**6300**		200	86.7	ug/L		12/31/19 16:11	12/31/19 17:33	2
Calcium, Dissolved	**10400**		200	98.8	ug/L		12/31/19 16:11	12/31/19 17:33	2
Iron, Dissolved	51.1	U	120	51.1	ug/L		12/31/19 16:11	12/31/19 17:33	2
Thallium, Dissolved	0.16	U	0.80	0.16	ug/L		12/31/19 16:11	12/31/19 17:33	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 09:04	1

Client Sample ID: MW-1
Lab Sample ID: 460-199723-2
Date Collected: 12/23/19 11:35
Matrix: Water
Date Received: 12/24/19 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/30/19 14:23	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/30/19 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/30/19 14:23	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 14:23	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/30/19 14:23	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/30/19 14:23	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/30/19 14:23	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/30/19 14:23	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/30/19 14:23	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/30/19 14:23	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/30/19 14:23	1
1,4-Dioxane	28	U	50	28	ug/L			12/30/19 14:23	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/30/19 14:23	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/30/19 14:23	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/30/19 14:23	1
Acetone	4.4	U	5.0	4.4	ug/L			12/30/19 14:23	1
Benzene	0.20	U	1.0	0.20	ug/L			12/30/19 14:23	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/30/19 14:23	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/30/19 14:23	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/30/19 14:23	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/30/19 14:23	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/30/19 14:23	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/30/19 14:23	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/30/19 14:23	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/30/19 14:23	1
Chloroform	**0.82**	**J**	1.0	0.33	ug/L			12/30/19 14:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/30/19 14:23	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/30/19 14:23	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/30/19 14:23	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/30/19 14:23	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/30/19 14:23	1

Client Sample ID: MW-1
Date Collected: 12/23/19 11:35
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/30/19 14:23	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/30/19 14:23	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/30/19 14:23	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/30/19 14:23	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/30/19 14:23	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/30/19 14:23	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/30/19 14:23	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/30/19 14:23	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/30/19 14:23	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/30/19 14:23	1
Styrene	0.42	U	1.0	0.42	ug/L			12/30/19 14:23	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/30/19 14:23	1
Toluene	0.38	U	1.0	0.38	ug/L			12/30/19 14:23	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/30/19 14:23	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/30/19 14:23	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/30/19 14:23	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/30/19 14:23	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/30/19 14:23	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 14:23	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/30/19 14:23	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/30/19 14:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*J*	*ug/L*		*14.96*			*12/30/19 14:23*	*1*
1,1'-Bicyclohexyl	*9.8*	*J N*	*ug/L*		*15.24*	*92-51-3*		*12/30/19 14:23*	*1*
Tridecane, 2-methyl-	*19*	*J N*	*ug/L*		*15.34*	*1560-96-9*		*12/30/19 14:23*	*1*
Eicosane, 10-methyl-	*9.7*	*J N*	*ug/L*		*15.40*	*54833-23-7*		*12/30/19 14:23*	*1*
Dodecane, 2,6,10-trimethyl-	*33*	*J N*	*ug/L*		*15.44*	*3891-98-3*		*12/30/19 14:23*	*1*
Tetradecane	*30*	*J N*	*ug/L*		*15.57*	*629-59-4*		*12/30/19 14:23*	*1*
Unknown	*11*	*J*	*ug/L*		*15.72*			*12/30/19 14:23*	*1*
Hexadecane	*24*	*J N*	*ug/L*		*16.00*	*544-76-3*		*12/30/19 14:23*	*1*
Unknown	*11*	*J*	*ug/L*		*16.05*			*12/30/19 14:23*	*1*
Unknown	*9.6*	*J*	*ug/L*		*16.17*			*12/30/19 14:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*74 - 132*		*12/30/19 14:23*	*1*
4-Bromofluorobenzene	*103*		*77 - 124*		*12/30/19 14:23*	*1*
Dibromofluoromethane (Surr)	*111*		*72 - 131*		*12/30/19 14:23*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*12/30/19 14:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:44	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/27/19 08:34	12/28/19 06:44	1

Client Sample ID: MW-1
Date Collected: 12/23/19 11:35
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	14	U	20	14	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/27/19 08:34	12/28/19 06:44	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/27/19 08:34	12/28/19 06:44	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:44	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/27/19 08:34	12/28/19 06:44	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:44	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/27/19 08:34	12/28/19 06:44	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/27/19 08:34	12/28/19 06:44	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 06:44	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/28/19 06:44	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/28/19 06:44	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/27/19 08:34	12/28/19 06:44	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 06:44	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/28/19 06:44	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/28/19 06:44	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/27/19 08:34	12/28/19 06:44	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/27/19 08:34	12/28/19 06:44	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 06:44	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/27/19 08:34	12/28/19 06:44	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:44	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/27/19 08:34	12/28/19 06:44	1
Acetophenone	2.3	U	10	2.3	ug/L		12/27/19 08:34	12/28/19 06:44	1
Anthracene	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/28/19 06:44	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/27/19 08:34	12/28/19 06:44	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/27/19 08:34	12/28/19 06:44	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/27/19 08:34	12/28/19 06:44	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/27/19 08:34	12/28/19 06:44	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/27/19 08:34	12/28/19 06:44	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/28/19 06:44	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/27/19 08:34	12/28/19 06:44	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/27/19 08:34	12/28/19 06:44	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/27/19 08:34	12/28/19 06:44	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/27/19 08:34	12/28/19 06:44	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/27/19 08:34	12/28/19 06:44	1
Caprolactam	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/28/19 06:44	1
Carbazole	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/28/19 06:44	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/27/19 08:34	12/28/19 06:44	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/27/19 08:34	12/28/19 06:44	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:44	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/27/19 08:34	12/28/19 06:44	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/27/19 08:34	12/28/19 06:44	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/28/19 06:44	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/27/19 08:34	12/28/19 06:44	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/28/19 06:44	1
Fluorene	0.91	U	10	0.91	ug/L		12/27/19 08:34	12/28/19 06:44	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/27/19 08:34	12/28/19 06:44	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/27/19 08:34	12/28/19 06:44	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/27/19 08:34	12/28/19 06:44	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/27/19 08:34	12/28/19 06:44	1

Client Sample ID: MW-1
Date Collected: 12/23/19 11:35
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-2
Matrix: 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	0.94	U	2.0	0.94	ug/L		12/27/19 08:34	12/28/19 06:44	1
Isophorone	0.80	U	10	0.80	ug/L		12/27/19 08:34	12/28/19 06:44	1
Naphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 06:44	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/27/19 08:34	12/28/19 06:44	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/27/19 08:34	12/28/19 06:44	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/27/19 08:34	12/28/19 06:44	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/27/19 08:34	12/28/19 06:44	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/28/19 06:44	1
Phenol	0.29	U	10	0.29	ug/L		12/27/19 08:34	12/28/19 06:44	1
Pyrene	1.6	U	10	1.6	ug/L		12/27/19 08:34	12/28/19 06:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*16*	*J*	*ug/L*		*5.52*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*12*	*J*	*ug/L*		*5.61*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*36*	*J*	*ug/L*		*5.69*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*29*	*J*	*ug/L*		*5.75*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*22*	*J*	*ug/L*		*5.78*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*19*	*J*	*ug/L*		*5.81*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*17*	*J*	*ug/L*		*5.84*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*25*	*J*	*ug/L*		*5.88*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*13*	*J*	*ug/L*		*5.92*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*31*	*J*	*ug/L*		*5.97*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*14*	*J*	*ug/L*		*6.00*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*25*	*J*	*ug/L*		*6.03*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*23*	*J*	*ug/L*		*6.18*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Tetradecane	*45*	*J N*	*ug/L*		*6.23*	*629-59-4*	*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*44*	*J*	*ug/L*		*6.28*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*23*	*J*	*ug/L*		*6.40*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*34*	*J*	*ug/L*		*6.46*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Heptadecane, 2,6,10,15-tetramethyl-	*44*	*J N*	*ug/L*		*6.53*	*54833-48-6*	*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*12*	*J*	*ug/L*		*6.59*		*12/27/19 08:34*	*12/28/19 06:44*	*1*
Unknown	*11*	*J*	*ug/L*		*6.63*		*12/27/19 08:34*	*12/28/19 06:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*26 - 139*	*12/27/19 08:34*	*12/28/19 06:44*	*1*
2-Fluorobiphenyl	*97*		*45 - 107*	*12/27/19 08:34*	*12/28/19 06:44*	*1*
2-Fluorophenol (Surr)	*59*	*X*	*25 - 58*	*12/27/19 08:34*	*12/28/19 06:44*	*1*
Nitrobenzene-d5 (Surr)	*113*	*X*	*51 - 108*	*12/27/19 08:34*	*12/28/19 06:44*	*1*
Phenol-d5 (Surr)	*43*	*X*	*14 - 39*	*12/27/19 08:34*	*12/28/19 06:44*	*1*
Terphenyl-d14 (Surr)	*116*		*40 - 148*	*12/27/19 08:34*	*12/28/19 06:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U *	0.020	0.0060	ug/L		12/26/19 21:29	12/27/19 10:16	1
4,4'-DDE	0.0020	U *	0.020	0.0020	ug/L		12/26/19 21:29	12/27/19 10:16	1
4,4'-DDT	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:16	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 21:29	12/27/19 10:16	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/26/19 21:29	12/27/19 10:16	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:16	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/26/19 21:29	12/27/19 10:16	1

Client Sample ID: MW-1
Date Collected: 12/23/19 11:35
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-2
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/26/19 21:29	12/27/19 10:16	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 21:29	12/27/19 10:16	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/26/19 21:29	12/27/19 10:16	1
Endosulfan II	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:16	1
Endosulfan sulfate	0.0060	U *	0.020	0.0060	ug/L		12/26/19 21:29	12/27/19 10:16	1
Endrin	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:16	1
Endrin aldehyde	0.0080	U *	0.020	0.0080	ug/L		12/26/19 21:29	12/27/19 10:16	1
Endrin ketone	0.0080	U *	0.020	0.0080	ug/L		12/26/19 21:29	12/27/19 10:16	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/26/19 21:29	12/27/19 10:16	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/26/19 21:29	12/27/19 10:16	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/26/19 21:29	12/27/19 10:16	1
Methoxychlor	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:16	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/26/19 21:29	12/27/19 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*25*		*10 - 150*	*12/26/19 21:29*	*12/27/19 10:16*	*1*
DCB Decachlorobiphenyl	*25*		*10 - 150*	*12/26/19 21:29*	*12/27/19 10:16*	*1*
Tetrachloro-m-xylene	*38*		*12 - 136*	*12/26/19 21:29*	*12/27/19 10:16*	*1*
Tetrachloro-m-xylene	*33*		*12 - 136*	*12/26/19 21:29*	*12/27/19 10:16*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/26/19 23:47	12/28/19 14:16	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/26/19 23:47	12/28/19 14:16	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/26/19 23:47	12/28/19 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*156*	*X*	*54 - 150*	*12/26/19 23:47*	*12/28/19 14:16*	*1*
2,4-Dichlorophenylacetic acid	*98*		*54 - 150*	*12/26/19 23:47*	*12/28/19 14:16*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.59	U	2.0	0.59	ug/L		12/31/19 16:11	12/31/19 17:36	2
Arsenic, Dissolved	0.73	U	2.0	0.73	ug/L		12/31/19 16:11	12/31/19 17:36	2
Barium, Dissolved	**100**		4.0	1.2	ug/L		12/31/19 16:11	12/31/19 17:36	2
Beryllium, Dissolved	0.25	U	0.80	0.25	ug/L		12/31/19 16:11	12/31/19 17:36	2
Cadmium, Dissolved	0.81	U	2.0	0.81	ug/L		12/31/19 16:11	12/31/19 17:36	2
Cobalt, Dissolved	**6.9**		4.0	1.6	ug/L		12/31/19 16:11	12/31/19 17:36	2
Chromium, Dissolved	2.3	U	4.0	2.3	ug/L		12/31/19 16:11	12/31/19 17:36	2
Copper, Dissolved	**2.2**	**J**	4.0	2.0	ug/L		12/31/19 16:11	12/31/19 17:36	2
Manganese, Dissolved	**120**		8.0	2.9	ug/L		12/31/19 16:11	12/31/19 17:36	2
Nickel, Dissolved	**5.1**		4.0	2.4	ug/L		12/31/19 16:11	12/31/19 17:36	2
Lead, Dissolved	0.55	U	1.2	0.55	ug/L		12/31/19 16:11	12/31/19 17:36	2
Antimony, Dissolved	0.40	U	2.0	0.40	ug/L		12/31/19 16:11	12/31/19 17:36	2
Selenium, Dissolved	5.4	U	10.0	5.4	ug/L		12/31/19 16:11	12/31/19 17:36	2
Vanadium, Dissolved	1.1	U	4.0	1.1	ug/L		12/31/19 16:11	12/31/19 17:36	2
Zinc, Dissolved	**89.6**		16.0	11.1	ug/L		12/31/19 16:11	12/31/19 17:36	2
Aluminum, Dissolved	**101**		40.0	18.8	ug/L		12/31/19 16:11	12/31/19 17:36	2
Sodium, Dissolved	**12200**		200	128	ug/L		12/31/19 16:11	12/31/19 17:36	2
Magnesium, Dissolved	**4590**		200	73.7	ug/L		12/31/19 16:11	12/31/19 17:36	2

Client Sample ID: MW-1
Lab Sample ID: 460-199723-2

Date Collected: 12/23/19 11:35
Matrix: Water
Date Received: 12/24/19 16:00

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium, Dissolved	**19100**		200	86.7	ug/L		12/31/19 16:11	12/31/19 17:36	2
Calcium, Dissolved	**15400**		200	98.8	ug/L		12/31/19 16:11	12/31/19 17:36	2
Iron, Dissolved	**847**		120	51.1	ug/L		12/31/19 16:11	12/31/19 17:36	2
Thallium, Dissolved	0.16	U	0.80	0.16	ug/L		12/31/19 16:11	12/31/19 17:36	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 09:06	1

Client Sample ID: Duplicate
Lab Sample ID: 460-199723-3

Date Collected: 12/23/19 12:00
Matrix: Water
Date Received: 12/24/19 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/30/19 14:47	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/30/19 14:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/30/19 14:47	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 14:47	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/30/19 14:47	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/30/19 14:47	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/30/19 14:47	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/30/19 14:47	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/30/19 14:47	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/30/19 14:47	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/30/19 14:47	1
1,4-Dioxane	28	U	50	28	ug/L			12/30/19 14:47	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/30/19 14:47	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/30/19 14:47	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/30/19 14:47	1
Acetone	4.4	U	5.0	4.4	ug/L			12/30/19 14:47	1
Benzene	0.20	U	1.0	0.20	ug/L			12/30/19 14:47	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/30/19 14:47	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/30/19 14:47	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/30/19 14:47	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/30/19 14:47	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/30/19 14:47	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/30/19 14:47	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/30/19 14:47	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/30/19 14:47	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/30/19 14:47	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/30/19 14:47	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/30/19 14:47	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/30/19 14:47	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/30/19 14:47	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/30/19 14:47	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/30/19 14:47	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/30/19 14:47	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/30/19 14:47	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/30/19 14:47	1

Client Sample ID: Duplicate
Date Collected: 12/23/19 12:00
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/30/19 14:47	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/30/19 14:47	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/30/19 14:47	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/30/19 14:47	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/30/19 14:47	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/30/19 14:47	1
Styrene	0.42	U	1.0	0.42	ug/L			12/30/19 14:47	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/30/19 14:47	1
Toluene	0.38	U	1.0	0.38	ug/L			12/30/19 14:47	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/30/19 14:47	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/30/19 14:47	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/30/19 14:47	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/30/19 14:47	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/30/19 14:47	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 14:47	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/30/19 14:47	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/30/19 14:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/30/19 14:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*74 - 132*		*12/30/19 14:47*	*1*
4-Bromofluorobenzene	*103*		*77 - 124*		*12/30/19 14:47*	*1*
Dibromofluoromethane (Surr)	*105*		*72 - 131*		*12/30/19 14:47*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*12/30/19 14:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 07:05	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,4-Dinitrophenol	14	U	20	14	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/27/19 08:34	12/28/19 07:05	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/27/19 08:34	12/28/19 07:05	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 07:05	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/27/19 08:34	12/28/19 07:05	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 07:05	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/27/19 08:34	12/28/19 07:05	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/27/19 08:34	12/28/19 07:05	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 07:05	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/28/19 07:05	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/28/19 07:05	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/27/19 08:34	12/28/19 07:05	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/28/19 07:05	1

Client Sample ID: Duplicate
Lab Sample ID: 460-199723-3

Date Collected: 12/23/19 12:00
Matrix: Water
Date Received: 12/24/19 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/28/19 07:05	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/28/19 07:05	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/27/19 08:34	12/28/19 07:05	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/27/19 08:34	12/28/19 07:05	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/28/19 07:05	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/27/19 08:34	12/28/19 07:05	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 07:05	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/27/19 08:34	12/28/19 07:05	1
Acetophenone	2.3	U	10	2.3	ug/L		12/27/19 08:34	12/28/19 07:05	1
Anthracene	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/28/19 07:05	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/27/19 08:34	12/28/19 07:05	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/27/19 08:34	12/28/19 07:05	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/27/19 08:34	12/28/19 07:05	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/27/19 08:34	12/28/19 07:05	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/27/19 08:34	12/28/19 07:05	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/28/19 07:05	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/27/19 08:34	12/28/19 07:05	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/27/19 08:34	12/28/19 07:05	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/27/19 08:34	12/28/19 07:05	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/27/19 08:34	12/28/19 07:05	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/27/19 08:34	12/28/19 07:05	1
Caprolactam	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/28/19 07:05	1
Carbazole	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/28/19 07:05	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/27/19 08:34	12/28/19 07:05	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/27/19 08:34	12/28/19 07:05	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 07:05	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/27/19 08:34	12/28/19 07:05	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/27/19 08:34	12/28/19 07:05	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/28/19 07:05	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/27/19 08:34	12/28/19 07:05	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/28/19 07:05	1
Fluorene	0.91	U	10	0.91	ug/L		12/27/19 08:34	12/28/19 07:05	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/27/19 08:34	12/28/19 07:05	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/27/19 08:34	12/28/19 07:05	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/27/19 08:34	12/28/19 07:05	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/27/19 08:34	12/28/19 07:05	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/27/19 08:34	12/28/19 07:05	1
Isophorone	0.80	U	10	0.80	ug/L		12/27/19 08:34	12/28/19 07:05	1
Naphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/28/19 07:05	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/27/19 08:34	12/28/19 07:05	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/27/19 08:34	12/28/19 07:05	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/27/19 08:34	12/28/19 07:05	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/27/19 08:34	12/28/19 07:05	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/28/19 07:05	1
Phenol	0.29	U	10	0.29	ug/L		12/27/19 08:34	12/28/19 07:05	1
Pyrene	1.6	U	10	1.6	ug/L		12/27/19 08:34	12/28/19 07:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*12/27/19 08:34*	*12/28/19 07:05*	*1*

Client Sample ID: Duplicate
Lab Sample ID: 460-199723-3

Date Collected: 12/23/19 12:00
Matrix: Water

Date Received: 12/24/19 16:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*65*		*26 - 139*	*12/27/19 08:34*	*12/28/19 07:05*	*1*
2-Fluorobiphenyl	*65*		*45 - 107*	*12/27/19 08:34*	*12/28/19 07:05*	*1*
2-Fluorophenol (Surr)	*39*		*25 - 58*	*12/27/19 08:34*	*12/28/19 07:05*	*1*
Nitrobenzene-d5 (Surr)	*75*		*51 - 108*	*12/27/19 08:34*	*12/28/19 07:05*	*1*
Phenol-d5 (Surr)	*28*		*14 - 39*	*12/27/19 08:34*	*12/28/19 07:05*	*1*
Terphenyl-d14 (Surr)	*80*		*40 - 148*	*12/27/19 08:34*	*12/28/19 07:05*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U *	0.020	0.0060	ug/L		12/26/19 21:29	12/27/19 10:31	1
4,4'-DDE	0.0020	U *	0.020	0.0020	ug/L		12/26/19 21:29	12/27/19 10:31	1
4,4'-DDT	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:31	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 21:29	12/27/19 10:31	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/26/19 21:29	12/27/19 10:31	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:31	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/26/19 21:29	12/27/19 10:31	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/26/19 21:29	12/27/19 10:31	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 21:29	12/27/19 10:31	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/26/19 21:29	12/27/19 10:31	1
Endosulfan II	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:31	1
Endosulfan sulfate	0.0060	U *	0.020	0.0060	ug/L		12/26/19 21:29	12/27/19 10:31	1
Endrin	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:31	1
Endrin aldehyde	0.0080	U *	0.020	0.0080	ug/L		12/26/19 21:29	12/27/19 10:31	1
Endrin ketone	0.0080	U *	0.020	0.0080	ug/L		12/26/19 21:29	12/27/19 10:31	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/26/19 21:29	12/27/19 10:31	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/26/19 21:29	12/27/19 10:31	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/26/19 21:29	12/27/19 10:31	1
Methoxychlor	0.0040	U *	0.020	0.0040	ug/L		12/26/19 21:29	12/27/19 10:31	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/26/19 21:29	12/27/19 10:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*52*		*10 - 150*	*12/26/19 21:29*	*12/27/19 10:31*	*1*
DCB Decachlorobiphenyl	*52*		*10 - 150*	*12/26/19 21:29*	*12/27/19 10:31*	*1*
Tetrachloro-m-xylene	*67*		*12 - 136*	*12/26/19 21:29*	*12/27/19 10:31*	*1*
Tetrachloro-m-xylene	*67*		*12 - 136*	*12/26/19 21:29*	*12/27/19 10:31*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/26/19 23:47	12/28/19 14:30	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/26/19 23:47	12/28/19 14:30	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/26/19 23:47	12/28/19 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*155*	*X*	*54 - 150*	*12/26/19 23:47*	*12/28/19 14:30*	*1*
2,4-Dichlorophenylacetic acid	*99*		*54 - 150*	*12/26/19 23:47*	*12/28/19 14:30*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.59	U	2.0	0.59	ug/L		12/31/19 16:11	12/31/19 17:38	2
Arsenic, Dissolved	0.73	U	2.0	0.73	ug/L		12/31/19 16:11	12/31/19 17:38	2
Barium, Dissolved	**185**		4.0	1.2	ug/L		12/31/19 16:11	12/31/19 17:38	2

Client Sample ID: Duplicate
Lab Sample ID: 460-199723-3

Date Collected: 12/23/19 12:00
Matrix: Water

Date Received: 12/24/19 16:00

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium, Dissolved	0.25	U	0.80	0.25	ug/L		12/31/19 16:11	12/31/19 17:38	2
Cadmium, Dissolved	0.81	U	2.0	0.81	ug/L		12/31/19 16:11	12/31/19 17:38	2
Cobalt, Dissolved	**1.6**	**J**	4.0	1.6	ug/L		12/31/19 16:11	12/31/19 17:38	2
Chromium, Dissolved	2.3	U	4.0	2.3	ug/L		12/31/19 16:11	12/31/19 17:38	2
Copper, Dissolved	2.0	U	4.0	2.0	ug/L		12/31/19 16:11	12/31/19 17:38	2
Manganese, Dissolved	**21.9**		8.0	2.9	ug/L		12/31/19 16:11	12/31/19 17:38	2
Nickel, Dissolved	2.4	U	4.0	2.4	ug/L		12/31/19 16:11	12/31/19 17:38	2
Lead, Dissolved	0.55	U	1.2	0.55	ug/L		12/31/19 16:11	12/31/19 17:38	2
Antimony, Dissolved	0.40	U	2.0	0.40	ug/L		12/31/19 16:11	12/31/19 17:38	2
Selenium, Dissolved	5.4	U	10.0	5.4	ug/L		12/31/19 16:11	12/31/19 17:38	2
Vanadium, Dissolved	1.1	U	4.0	1.1	ug/L		12/31/19 16:11	12/31/19 17:38	2
Zinc, Dissolved	11.1	U	16.0	11.1	ug/L		12/31/19 16:11	12/31/19 17:38	2
Aluminum, Dissolved	**54.0**		40.0	18.8	ug/L		12/31/19 16:11	12/31/19 17:38	2
Sodium, Dissolved	**4510**		200	128	ug/L		12/31/19 16:11	12/31/19 17:38	2
Magnesium, Dissolved	**3590**		200	73.7	ug/L		12/31/19 16:11	12/31/19 17:38	2
Potassium, Dissolved	**6080**		200	86.7	ug/L		12/31/19 16:11	12/31/19 17:38	2
Calcium, Dissolved	**10100**		200	98.8	ug/L		12/31/19 16:11	12/31/19 17:38	2
Iron, Dissolved	51.1	U	120	51.1	ug/L		12/31/19 16:11	12/31/19 17:38	2
Thallium, Dissolved	0.16	U	0.80	0.16	ug/L		12/31/19 16:11	12/31/19 17:38	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 09:08	1

Surrogate Summary

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199723-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-199722-A-1 MS	Matrix Spike	116	121	120	121 X
460-199722-A-1 MSD	Matrix Spike Duplicate	102	103	106	106
460-199723-1	MW-2	95	95	98	103
460-199723-2	MW-1	108	103	111	109
460-199723-3	Duplicate	100	103	105	109
LCS 460-665782/3	Lab Control Sample	105	101	107	108
MB 460-665782/8	Method Blank	99	98	103	107

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
460-199723-1	MW-2	92	85	52	102	37	104
460-199723-2	MW-1	106	97	59 X	113 X	43 X	116
460-199723-3	Duplicate	65	65	39	75	28	80
460-199751-C-5-A MSD	Matrix Spike Duplicate	109	106	60 X	119 X	41 X	126
460-199751-F-5-A MS	Matrix Spike	93	84	46	91	32	108
LB 460-665213/1-B	Method Blank	101	93	52	105	36	110
LB 460-665221/1-B	Method Blank	79	87	41	102	37	112
LCS 460-665354/2-A	Lab Control Sample	98	96	58	103	41 X	117
LCS 460-665354/4-A	Lab Control Sample	121	110 X	74 X	129 X	54 X	138
LCSD 460-665354/3-A	Lab Control Sample Dup	104	100	60 X	111 X	42 X	117
LCSD 460-665354/5-A	Lab Control Sample Dup	111	101	65 X	116 X	47 X	127
MB 460-665354/1-A	Method Blank	92	84	58	97	43 X	105

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(12-136)	(12-136)
460-199723-1	MW-2	54	51	70	69
460-199723-2	MW-1	25	25	38	33
460-199723-3	Duplicate	52	52	67	67
LCS 460-665106/2-A	Lab Control Sample	71	85	70	72

Surrogate Summary

Client: Duffield Associates
Job ID: 460-199723-1
Project/Site: Clean Bay Renewables

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(12-136)	(12-136)
LCSD 460-665106/3-A	Lab Control Sample Dup	62	66	60	62
MB 460-665106/1-A	Method Blank	85	93	79	82

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(54-150)	(54-150)
460-199723-1	MW-2	159 X	103
460-199723-2	MW-1	156 X	98
460-199723-3	Duplicate	155 X	99
LCS 460-665272/2-A	Lab Control Sample	172 X	111
LCSD 460-665272/3-A	Lab Control Sample Dup	166 X	107
MB 460-665272/1-A	Method Blank	186 X	120

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 460-665782/8
Matrix: Water
Analysis Batch: 665782

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/30/19 08:24	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/30/19 08:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/30/19 08:24	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 08:24	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/30/19 08:24	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/30/19 08:24	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/30/19 08:24	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/30/19 08:24	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/30/19 08:24	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/30/19 08:24	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/30/19 08:24	1
1,4-Dioxane	28	U	50	28	ug/L			12/30/19 08:24	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/30/19 08:24	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/30/19 08:24	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/30/19 08:24	1
Acetone	4.4	U	5.0	4.4	ug/L			12/30/19 08:24	1
Benzene	0.20	U	1.0	0.20	ug/L			12/30/19 08:24	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/30/19 08:24	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/30/19 08:24	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/30/19 08:24	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/30/19 08:24	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/30/19 08:24	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/30/19 08:24	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/30/19 08:24	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/30/19 08:24	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/30/19 08:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/30/19 08:24	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/30/19 08:24	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/30/19 08:24	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/30/19 08:24	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/30/19 08:24	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/30/19 08:24	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/30/19 08:24	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/30/19 08:24	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/30/19 08:24	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/30/19 08:24	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/30/19 08:24	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/30/19 08:24	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/30/19 08:24	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/30/19 08:24	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/30/19 08:24	1
Styrene	0.42	U	1.0	0.42	ug/L			12/30/19 08:24	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/30/19 08:24	1
Toluene	0.38	U	1.0	0.38	ug/L			12/30/19 08:24	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/30/19 08:24	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/30/19 08:24	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/30/19 08:24	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/30/19 08:24	1

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

Lab Sample ID: MB 460-665782/8
Matrix: Water
Analysis Batch: 665782

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/30/19 08:24	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/30/19 08:24	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/30/19 08:24	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/30/19 08:24	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/30/19 08:24*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*12/30/19 08:24*	*1*
4-Bromofluorobenzene	*98*		*77 - 124*		*12/30/19 08:24*	*1*
Dibromofluoromethane (Surr)	*103*		*72 - 131*		*12/30/19 08:24*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/30/19 08:24*	*1*

Lab Sample ID: LCS 460-665782/3
Matrix: Water
Analysis Batch: 665782

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	75 - 125
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/L		103	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.3		ug/L		117	59 - 150
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	78 - 120
1,1-Dichloroethane	20.0	21.7		ug/L		109	77 - 123
1,1-Dichloroethene	20.0	21.5		ug/L		107	74 - 123
1,2,3-Trichlorobenzene	20.0	15.6		ug/L		78	78 - 131
1,2,4-Trichlorobenzene	20.0	17.6		ug/L		88	80 - 124
1,2-Dichloropropane	20.0	22.2		ug/L		111	77 - 123
1,3-Dichlorobenzene	20.0	18.7		ug/L		93	80 - 120
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
1,4-Dioxane	400	472		ug/L		118	10 - 150
2-Butanone (MEK)	100	110		ug/L		110	64 - 120
2-Hexanone	100	99.8		ug/L		100	71 - 125
4-Methyl-2-pentanone (MIBK)	100	98.3		ug/L		98	78 - 124
Acetone	100	98.6		ug/L		99	39 - 150
Benzene	20.0	20.5		ug/L		102	77 - 121
Bromoform	20.0	18.2		ug/L		91	53 - 120
Bromomethane	20.0	20.6		ug/L		103	10 - 150
Carbon disulfide	20.0	20.9		ug/L		105	69 - 133
Carbon tetrachloride	20.0	20.3		ug/L		101	70 - 132
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120
Chlorobromomethane	20.0	19.3		ug/L		97	77 - 127
Chlorodibromomethane	20.0	19.1		ug/L		95	73 - 120
Chloroethane	20.0	21.1		ug/L		105	52 - 150
Chloroform	20.0	21.0		ug/L		105	80 - 120
Chloromethane	20.0	20.2		ug/L		101	56 - 131
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 120

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

Lab Sample ID: LCS 460-665782/3
Matrix: Water
Analysis Batch: 665782

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	20.0	21.3		ug/L		106	77 - 120
Cyclohexane	20.0	22.4		ug/L		112	56 - 150
Dichlorobromomethane	20.0	19.8		ug/L		99	76 - 120
Dichlorodifluoromethane	20.0	17.3		ug/L		87	50 - 131
Ethylbenzene	20.0	20.1		ug/L		100	80 - 120
Ethylene Dibromide	20.0	20.8		ug/L		104	80 - 120
Isopropylbenzene	20.0	20.6		ug/L		103	80 - 123
Methyl acetate	40.0	46.3		ug/L		116	66 - 144
Methyl tert-butyl ether	20.0	21.2		ug/L		106	79 - 122
Methylcyclohexane	20.0	22.1		ug/L		111	61 - 145
Methylene Chloride	20.0	21.2		ug/L		106	77 - 123
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	80 - 120
o-Xylene	20.0	20.5		ug/L		103	80 - 120
Styrene	20.0	21.1		ug/L		105	80 - 120
Tetrachloroethene	20.0	19.1		ug/L		96	78 - 122
Toluene	20.0	20.7		ug/L		103	80 - 120
trans-1,2-Dichloroethene	20.0	21.5		ug/L		107	79 - 120
trans-1,3-Dichloropropene	20.0	21.5		ug/L		107	76 - 120
Trichloroethene	20.0	19.9		ug/L		100	77 - 120
Trichlorofluoromethane	20.0	20.7		ug/L		103	71 - 143
Vinyl chloride	20.0	20.8		ug/L		104	62 - 138
1,2-Dichloroethane	20.0	19.8		ug/L		99	76 - 121
1,2-Dichlorobenzene	20.0	18.7		ug/L		93	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.1		ug/L		85	55 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 132*
4-Bromofluorobenzene	*101*		*77 - 124*
Dibromofluoromethane (Surr)	*107*		*72 - 131*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 460-199722-A-1 MS
Matrix: Water
Analysis Batch: 665782

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.24	U	200	233		ug/L		116	75 - 125
1,1,2,2-Tetrachloroethane	0.37	U F1	200	242	F1	ug/L		121	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	200	243		ug/L		121	59 - 150
1,1,2-Trichloroethane	0.43	U F1	200	243	F1	ug/L		122	78 - 120
1,1-Dichloroethane	0.26	U F1	200	250	F1	ug/L		125	77 - 123
1,1-Dichloroethene	0.26	U	200	230		ug/L		115	74 - 123
1,2,3-Trichlorobenzene	0.36	U	200	193		ug/L		96	78 - 131
1,2,4-Trichlorobenzene	0.37	U	200	218		ug/L		109	80 - 124
1,2-Dichloropropane	0.35	U	200	244		ug/L		122	77 - 123
1,3-Dichlorobenzene	0.34	U	200	230		ug/L		115	80 - 120
1,4-Dichlorobenzene	0.33	U	200	224		ug/L		112	80 - 120
1,4-Dioxane	28	U	4000	5510		ug/L		138	10 - 150

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

Lab Sample ID: 460-199722-A-1 MS
Matrix: Water
Analysis Batch: 665782

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	1.9	U F1	1000	1240	F1	ug/L		124	64 - 120
2-Hexanone	1.1	U	1000	1220		ug/L		122	71 - 125
4-Methyl-2-pentanone (MIBK)	1.3	U	1000	1190		ug/L		119	78 - 124
Acetone	4.4	U	1000	1090		ug/L		109	39 - 150
Benzene	0.20	U	200	236		ug/L		118	77 - 121
Bromoform	0.54	U	200	217		ug/L		108	53 - 120
Bromomethane	0.55	U	200	227		ug/L		113	10 - 150
Carbon disulfide	0.82	U	200	264		ug/L		132	69 - 133
Carbon tetrachloride	0.21	U	200	230		ug/L		115	70 - 132
Chlorobenzene	0.38	U	200	231		ug/L		115	80 - 120
Chlorobromomethane	0.41	U	200	226		ug/L		113	77 - 127
Chlorodibromomethane	0.28	U	200	220		ug/L		110	73 - 120
Chloroethane	0.32	U	200	222		ug/L		111	52 - 150
Chloroform	0.33	U	200	235		ug/L		117	80 - 120
Chloromethane	0.40	U	200	220		ug/L		110	56 - 131
cis-1,2-Dichloroethene	0.22	U	200	240		ug/L		120	80 - 120
cis-1,3-Dichloropropene	0.22	U	200	222		ug/L		111	77 - 120
Cyclohexane	0.32	U	200	266		ug/L		133	56 - 150
Dichlorobromomethane	0.34	U	200	223		ug/L		111	76 - 120
Dichlorodifluoromethane	0.31	U	200	187		ug/L		94	50 - 131
Ethylbenzene	1.6	F1	200	257	F1	ug/L		128	80 - 120
Ethylene Dibromide	0.50	U	200	238		ug/L		119	80 - 120
Isopropylbenzene	0.38	J	200	245		ug/L		122	80 - 123
Methyl acetate	0.79	U	400	495		ug/L		124	66 - 144
Methyl tert-butyl ether	0.47	U F1	200	259	F1	ug/L		129	79 - 122
Methylcyclohexane	0.26	U	200	263		ug/L		132	61 - 145
Methylene Chloride	0.32	U	200	240		ug/L		120	77 - 123
m-Xylene & p-Xylene	7.6	F1	200	263	F1	ug/L		128	80 - 120
o-Xylene	3.7	F1	200	249	F1	ug/L		123	80 - 120
Styrene	0.42	U F1	200	241	F1	ug/L		121	80 - 120
Tetrachloroethene	0.25	U	200	224		ug/L		112	78 - 122
Toluene	0.38	U	200	236		ug/L		118	80 - 120
trans-1,2-Dichloroethene	0.24	U	200	240		ug/L		120	79 - 120
trans-1,3-Dichloropropene	0.49	U	200	222		ug/L		111	76 - 120
Trichloroethene	0.31	U	200	223		ug/L		112	77 - 120
Trichlorofluoromethane	0.32	U	200	228		ug/L		114	71 - 143
Vinyl chloride	0.17	U	200	232		ug/L		116	62 - 138
1,2-Dichloroethane	0.43	U	200	227		ug/L		114	76 - 121
1,2-Dichlorobenzene	0.43	U	200	230		ug/L		115	80 - 120
1,2-Dibromo-3-Chloropropane	0.38	U	200	213		ug/L		107	55 - 134

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*74 - 132*
4-Bromofluorobenzene	*121*		*77 - 124*
Dibromofluoromethane (Surr)	*120*		*72 - 131*
Toluene-d8 (Surr)	*121*	*X*	*80 - 120*

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

Lab Sample ID: 460-199722-A-1 MSD
Matrix: Water
Analysis Batch: 665782

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.24	U	200	208		ug/L		104	75 - 125	11	30
1,1,2,2-Tetrachloroethane	0.37	U F1	200	205		ug/L		102	74 - 120	16	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	200	215		ug/L		107	59 - 150	12	30
1,1,2-Trichloroethane	0.43	U F1	200	210		ug/L		105	78 - 120	15	30
1,1-Dichloroethane	0.26	U F1	200	218		ug/L		109	77 - 123	14	30
1,1-Dichloroethene	0.26	U	200	200		ug/L		100	74 - 123	14	30
1,2,3-Trichlorobenzene	0.36	U	200	169		ug/L		85	78 - 131	13	30
1,2,4-Trichlorobenzene	0.37	U	200	188		ug/L		94	80 - 124	15	30
1,2-Dichloropropane	0.35	U	200	216		ug/L		108	77 - 123	12	30
1,3-Dichlorobenzene	0.34	U	200	191		ug/L		95	80 - 120	18	30
1,4-Dichlorobenzene	0.33	U	200	192		ug/L		96	80 - 120	15	30
1,4-Dioxane	28	U	4000	4570		ug/L		114	10 - 150	19	30
2-Butanone (MEK)	1.9	U F1	1000	1090		ug/L		109	64 - 120	13	30
2-Hexanone	1.1	U	1000	1040		ug/L		104	71 - 125	16	30
4-Methyl-2-pentanone (MIBK)	1.3	U	1000	1010		ug/L		101	78 - 124	17	30
Acetone	4.4	U	1000	921		ug/L		92	39 - 150	17	30
Benzene	0.20	U	200	206		ug/L		103	77 - 121	14	30
Bromoform	0.54	U	200	185		ug/L		93	53 - 120	16	30
Bromomethane	0.55	U	200	206		ug/L		103	10 - 150	10	30
Carbon disulfide	0.82	U	200	226		ug/L		113	69 - 133	16	30
Carbon tetrachloride	0.21	U	200	198		ug/L		99	70 - 132	15	30
Chlorobenzene	0.38	U	200	203		ug/L		102	80 - 120	13	30
Chlorobromomethane	0.41	U	200	186		ug/L		93	77 - 127	19	30
Chlorodibromomethane	0.28	U	200	196		ug/L		98	73 - 120	11	30
Chloroethane	0.32	U	200	209		ug/L		104	52 - 150	6	30
Chloroform	0.33	U	200	200		ug/L		100	80 - 120	16	30
Chloromethane	0.40	U	200	202		ug/L		101	56 - 131	9	30
cis-1,2-Dichloroethene	0.22	U	200	206		ug/L		103	80 - 120	16	30
cis-1,3-Dichloropropene	0.22	U	200	201		ug/L		100	77 - 120	10	30
Cyclohexane	0.32	U	200	221		ug/L		111	56 - 150	18	30
Dichlorobromomethane	0.34	U	200	198		ug/L		99	76 - 120	12	30
Dichlorodifluoromethane	0.31	U	200	147		ug/L		73	50 - 131	24	30
Ethylbenzene	1.6	F1	200	216		ug/L		107	80 - 120	18	30
Ethylene Dibromide	0.50	U	200	203		ug/L		102	80 - 120	16	30
Isopropylbenzene	0.38	J	200	211		ug/L		105	80 - 123	15	30
Methyl acetate	0.79	U	400	466		ug/L		117	66 - 144	6	30
Methyl tert-butyl ether	0.47	U F1	200	219		ug/L		109	79 - 122	17	30
Methylcyclohexane	0.26	U	200	223		ug/L		111	61 - 145	17	30
Methylene Chloride	0.32	U	200	215		ug/L		107	77 - 123	11	30
m-Xylene & p-Xylene	7.6	F1	200	218		ug/L		105	80 - 120	19	30
o-Xylene	3.7	F1	200	217		ug/L		107	80 - 120	14	30
Styrene	0.42	U F1	200	212		ug/L		106	80 - 120	13	30
Tetrachloroethene	0.25	U	200	195		ug/L		97	78 - 122	14	30
Toluene	0.38	U	200	201		ug/L		100	80 - 120	16	30
trans-1,2-Dichloroethene	0.24	U	200	211		ug/L		106	79 - 120	13	30
trans-1,3-Dichloropropene	0.49	U	200	196		ug/L		98	76 - 120	12	30
Trichloroethene	0.31	U	200	201		ug/L		101	77 - 120	10	30
Trichlorofluoromethane	0.32	U	200	208		ug/L		104	71 - 143	9	30

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

Lab Sample ID: 460-199722-A-1 MSD
Matrix: Water
Analysis Batch: 665782

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	0.17	U	200	209		ug/L		105	62 - 138	10	30
1,2-Dichloroethane	0.43	U	200	204		ug/L		102	76 - 121	11	30
1,2-Dichlorobenzene	0.43	U	200	194		ug/L		97	80 - 120	17	30
1,2-Dibromo-3-Chloropropane	0.38	U	200	186		ug/L		93	55 - 134	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*
4-Bromofluorobenzene	*103*		*77 - 124*
Dibromofluoromethane (Surr)	*106*		*72 - 131*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Lab Sample ID: LB 460-665213/1-B
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665354

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:45	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,4-Dinitrophenol	14	U	20	14	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/27/19 08:34	12/27/19 23:45	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/27/19 08:34	12/27/19 23:45	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:45	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/27/19 08:34	12/27/19 23:45	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:45	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/27/19 08:34	12/27/19 23:45	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/27/19 08:34	12/27/19 23:45	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 23:45	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/27/19 23:45	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/27/19 23:45	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/27/19 08:34	12/27/19 23:45	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 23:45	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/27/19 23:45	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/27/19 23:45	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/27/19 08:34	12/27/19 23:45	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/27/19 08:34	12/27/19 23:45	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:45	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/27/19 08:34	12/27/19 23:45	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:45	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/27/19 08:34	12/27/19 23:45	1
Acetophenone	2.3	U	10	2.3	ug/L		12/27/19 08:34	12/27/19 23:45	1
Anthracene	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/27/19 23:45	1

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

Lab Sample ID: LB 460-665213/1-B
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665354

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	1.3	U	2.0	1.3	ug/L		12/27/19 08:34	12/27/19 23:45	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/27/19 08:34	12/27/19 23:45	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/27/19 08:34	12/27/19 23:45	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/27/19 08:34	12/27/19 23:45	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/27/19 08:34	12/27/19 23:45	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/27/19 23:45	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/27/19 08:34	12/27/19 23:45	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/27/19 08:34	12/27/19 23:45	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/27/19 08:34	12/27/19 23:45	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/27/19 08:34	12/27/19 23:45	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/27/19 08:34	12/27/19 23:45	1
Caprolactam	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/27/19 23:45	1
Carbazole	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/27/19 23:45	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/27/19 08:34	12/27/19 23:45	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/27/19 08:34	12/27/19 23:45	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:45	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/27/19 08:34	12/27/19 23:45	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/27/19 08:34	12/27/19 23:45	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/27/19 23:45	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/27/19 08:34	12/27/19 23:45	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/27/19 23:45	1
Fluorene	0.91	U	10	0.91	ug/L		12/27/19 08:34	12/27/19 23:45	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/27/19 08:34	12/27/19 23:45	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/27/19 08:34	12/27/19 23:45	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/27/19 08:34	12/27/19 23:45	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/27/19 08:34	12/27/19 23:45	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/27/19 08:34	12/27/19 23:45	1
Isophorone	0.80	U	10	0.80	ug/L		12/27/19 08:34	12/27/19 23:45	1
Naphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:45	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/27/19 08:34	12/27/19 23:45	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/27/19 08:34	12/27/19 23:45	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/27/19 08:34	12/27/19 23:45	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/27/19 08:34	12/27/19 23:45	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/27/19 23:45	1
Phenol	0.29	U	10	0.29	ug/L		12/27/19 08:34	12/27/19 23:45	1
Pyrene	1.6	U	10	1.6	ug/L		12/27/19 08:34	12/27/19 23:45	1

Tentatively Identified Compound	*Est. Result*	*LB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*12/27/19 08:34*	*12/27/19 23:45*	*1*

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*101*		*26 - 139*	*12/27/19 08:34*	*12/27/19 23:45*	*1*
2-Fluorobiphenyl	*93*		*45 - 107*	*12/27/19 08:34*	*12/27/19 23:45*	*1*
2-Fluorophenol (Surr)	*52*		*25 - 58*	*12/27/19 08:34*	*12/27/19 23:45*	*1*
Nitrobenzene-d5 (Surr)	*105*		*51 - 108*	*12/27/19 08:34*	*12/27/19 23:45*	*1*
Phenol-d5 (Surr)	*36*		*14 - 39*	*12/27/19 08:34*	*12/27/19 23:45*	*1*
Terphenyl-d14 (Surr)	*110*		*40 - 148*	*12/27/19 08:34*	*12/27/19 23:45*	*1*

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

Lab Sample ID: LB 460-665221/1-B
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665354

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:03	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,4-Dinitrophenol	14	U	20	14	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/27/19 08:34	12/27/19 23:03	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/27/19 08:34	12/27/19 23:03	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:03	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/27/19 08:34	12/27/19 23:03	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:03	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/27/19 08:34	12/27/19 23:03	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/27/19 08:34	12/27/19 23:03	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 23:03	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/27/19 23:03	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/27/19 23:03	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/27/19 08:34	12/27/19 23:03	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 23:03	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/27/19 23:03	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/27/19 23:03	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/27/19 08:34	12/27/19 23:03	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/27/19 08:34	12/27/19 23:03	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 23:03	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/27/19 08:34	12/27/19 23:03	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:03	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/27/19 08:34	12/27/19 23:03	1
Acetophenone	2.3	U	10	2.3	ug/L		12/27/19 08:34	12/27/19 23:03	1
Anthracene	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/27/19 23:03	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/27/19 08:34	12/27/19 23:03	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/27/19 08:34	12/27/19 23:03	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/27/19 08:34	12/27/19 23:03	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/27/19 08:34	12/27/19 23:03	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/27/19 08:34	12/27/19 23:03	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/27/19 23:03	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/27/19 08:34	12/27/19 23:03	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/27/19 08:34	12/27/19 23:03	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/27/19 08:34	12/27/19 23:03	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/27/19 08:34	12/27/19 23:03	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/27/19 08:34	12/27/19 23:03	1
Caprolactam	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/27/19 23:03	1
Carbazole	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/27/19 23:03	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/27/19 08:34	12/27/19 23:03	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/27/19 08:34	12/27/19 23:03	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:03	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/27/19 08:34	12/27/19 23:03	1

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

Lab Sample ID: LB 460-665221/1-B
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665354

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/27/19 08:34	12/27/19 23:03	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/27/19 23:03	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/27/19 08:34	12/27/19 23:03	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/27/19 23:03	1
Fluorene	0.91	U	10	0.91	ug/L		12/27/19 08:34	12/27/19 23:03	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/27/19 08:34	12/27/19 23:03	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/27/19 08:34	12/27/19 23:03	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/27/19 08:34	12/27/19 23:03	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/27/19 08:34	12/27/19 23:03	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/27/19 08:34	12/27/19 23:03	1
Isophorone	0.80	U	10	0.80	ug/L		12/27/19 08:34	12/27/19 23:03	1
Naphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 23:03	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/27/19 08:34	12/27/19 23:03	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/27/19 08:34	12/27/19 23:03	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/27/19 08:34	12/27/19 23:03	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/27/19 08:34	12/27/19 23:03	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/27/19 23:03	1
Phenol	0.29	U	10	0.29	ug/L		12/27/19 08:34	12/27/19 23:03	1
Pyrene	1.6	U	10	1.6	ug/L		12/27/19 08:34	12/27/19 23:03	1

Tentatively Identified Compound	*Est. Result*	*LB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*12/27/19 08:34*	*12/27/19 23:03*	*1*

Surrogate	*%Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*26 - 139*	*12/27/19 08:34*	*12/27/19 23:03*	*1*
2-Fluorobiphenyl	*87*		*45 - 107*	*12/27/19 08:34*	*12/27/19 23:03*	*1*
2-Fluorophenol (Surr)	*41*		*25 - 58*	*12/27/19 08:34*	*12/27/19 23:03*	*1*
Nitrobenzene-d5 (Surr)	*102*		*51 - 108*	*12/27/19 08:34*	*12/27/19 23:03*	*1*
Phenol-d5 (Surr)	*37*		*14 - 39*	*12/27/19 08:34*	*12/27/19 23:03*	*1*
Terphenyl-d14 (Surr)	*112*		*40 - 148*	*12/27/19 08:34*	*12/27/19 23:03*	*1*

Lab Sample ID: MB 460-665354/1-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 22:42	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,4-Dinitrophenol	14	U	20	14	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/27/19 08:34	12/27/19 22:42	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/27/19 08:34	12/27/19 22:42	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 22:42	1

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

Lab Sample ID: MB 460-665354/1-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/27/19 08:34	12/27/19 22:42	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 22:42	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/27/19 08:34	12/27/19 22:42	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/27/19 08:34	12/27/19 22:42	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 22:42	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/27/19 22:42	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/27/19 22:42	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/27/19 08:34	12/27/19 22:42	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/27/19 08:34	12/27/19 22:42	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/27/19 22:42	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/27/19 08:34	12/27/19 22:42	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/27/19 08:34	12/27/19 22:42	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/27/19 08:34	12/27/19 22:42	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/27/19 08:34	12/27/19 22:42	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/27/19 08:34	12/27/19 22:42	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 22:42	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/27/19 08:34	12/27/19 22:42	1
Acetophenone	2.3	U	10	2.3	ug/L		12/27/19 08:34	12/27/19 22:42	1
Anthracene	0.63	U	10	0.63	ug/L		12/27/19 08:34	12/27/19 22:42	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/27/19 08:34	12/27/19 22:42	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/27/19 08:34	12/27/19 22:42	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/27/19 08:34	12/27/19 22:42	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/27/19 08:34	12/27/19 22:42	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/27/19 08:34	12/27/19 22:42	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/27/19 08:34	12/27/19 22:42	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/27/19 08:34	12/27/19 22:42	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/27/19 08:34	12/27/19 22:42	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/27/19 08:34	12/27/19 22:42	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/27/19 08:34	12/27/19 22:42	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/27/19 08:34	12/27/19 22:42	1
Caprolactam	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/27/19 22:42	1
Carbazole	0.68	U	10	0.68	ug/L		12/27/19 08:34	12/27/19 22:42	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/27/19 08:34	12/27/19 22:42	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/27/19 08:34	12/27/19 22:42	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 22:42	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/27/19 08:34	12/27/19 22:42	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/27/19 08:34	12/27/19 22:42	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/27/19 22:42	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/27/19 08:34	12/27/19 22:42	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/27/19 08:34	12/27/19 22:42	1
Fluorene	0.91	U	10	0.91	ug/L		12/27/19 08:34	12/27/19 22:42	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/27/19 08:34	12/27/19 22:42	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/27/19 08:34	12/27/19 22:42	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/27/19 08:34	12/27/19 22:42	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/27/19 08:34	12/27/19 22:42	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/27/19 08:34	12/27/19 22:42	1
Isophorone	0.80	U	10	0.80	ug/L		12/27/19 08:34	12/27/19 22:42	1
Naphthalene	1.1	U	10	1.1	ug/L		12/27/19 08:34	12/27/19 22:42	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/27/19 08:34	12/27/19 22:42	1

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

Lab Sample ID: MB 460-665354/1-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/27/19 08:34	12/27/19 22:42	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/27/19 08:34	12/27/19 22:42	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/27/19 08:34	12/27/19 22:42	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/27/19 08:34	12/27/19 22:42	1
Phenol	0.29	U	10	0.29	ug/L		12/27/19 08:34	12/27/19 22:42	1
Pyrene	1.6	U	10	1.6	ug/L		12/27/19 08:34	12/27/19 22:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*12/27/19 08:34*	*12/27/19 22:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*26 - 139*	*12/27/19 08:34*	*12/27/19 22:42*	*1*
2-Fluorobiphenyl	*84*		*45 - 107*	*12/27/19 08:34*	*12/27/19 22:42*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 58*	*12/27/19 08:34*	*12/27/19 22:42*	*1*
Nitrobenzene-d5 (Surr)	*97*		*51 - 108*	*12/27/19 08:34*	*12/27/19 22:42*	*1*
Phenol-d5 (Surr)	*43*	*X*	*14 - 39*	*12/27/19 08:34*	*12/27/19 22:42*	*1*
Terphenyl-d14 (Surr)	*105*		*40 - 148*	*12/27/19 08:34*	*12/27/19 22:42*	*1*

Lab Sample ID: LCS 460-665354/2-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	70.2		ug/L		88	54 - 108
1,2,4,5-Tetrachlorobenzene	80.0	67.0		ug/L		84	46 - 105
2,2'-oxybis[1-chloropropane]	80.0	76.5		ug/L		96	50 - 108
2,3,4,6-Tetrachlorophenol	80.0	70.5		ug/L		88	57 - 122
2,4,5-Trichlorophenol	80.0	71.0		ug/L		89	59 - 117
2,4,6-Trichlorophenol	80.0	74.1		ug/L		93	62 - 120
2,4-Dichlorophenol	80.0	71.4		ug/L		89	62 - 102
2,4-Dimethylphenol	80.0	68.5		ug/L		86	61 - 95
2,4-Dinitrophenol	160	132		ug/L		83	45 - 125
2,4-Dinitrotoluene	80.0	77.7		ug/L		97	70 - 123
2,6-Dinitrotoluene	80.0	75.8		ug/L		95	68 - 121
2-Chloronaphthalene	80.0	67.7		ug/L		85	54 - 105
2-Chlorophenol	80.0	65.5		ug/L		82	54 - 92
2-Methylnaphthalene	80.0	66.4		ug/L		83	47 - 104
2-Methylphenol	80.0	56.6		ug/L		71	43 - 80
2-Nitroaniline	80.0	73.8		ug/L		92	46 - 124
2-Nitrophenol	80.0	73.6		ug/L		92	58 - 109
3,3'-Dichlorobenzidine	80.0	71.5		ug/L		89	68 - 123
3-Nitroaniline	80.0	62.1		ug/L		78	60 - 117
4,6-Dinitro-2-methylphenol	160	154		ug/L		96	59 - 132
4-Bromophenyl phenyl ether	80.0	76.8		ug/L		96	57 - 126
4-Chloro-3-methylphenol	80.0	69.5		ug/L		87	58 - 98
4-Chloroaniline	80.0	54.0		ug/L		67	51 - 108
4-Chlorophenyl phenyl ether	80.0	74.2		ug/L		93	60 - 114
4-Methylphenol	80.0	57.5		ug/L		72	34 - 78

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

Lab Sample ID: LCS 460-665354/2-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	80.0	64.1		ug/L		80	48 - 135
4-Nitrophenol	160	60.9		ug/L		38	11 - 47
Acenaphthene	80.0	75.1		ug/L		94	58 - 107
Acenaphthylene	80.0	71.5		ug/L		89	61 - 106
Acetophenone	80.0	76.8		ug/L		96	54 - 115
Anthracene	80.0	75.6		ug/L		95	70 - 118
Benzo[a]anthracene	80.0	78.0		ug/L		98	73 - 119
Benzo[a]pyrene	80.0	67.7		ug/L		85	76 - 125
Benzo[b]fluoranthene	80.0	74.0		ug/L		92	78 - 123
Benzo[g,h,i]perylene	80.0	76.7		ug/L		96	63 - 133
Benzo[k]fluoranthene	80.0	73.2		ug/L		92	71 - 126
Bis(2-chloroethoxy)methane	80.0	77.7		ug/L		97	67 - 104
Bis(2-chloroethyl)ether	80.0	74.5		ug/L		93	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	86.4		ug/L		108	63 - 135
Butyl benzyl phthalate	80.0	80.4		ug/L		100	66 - 129
Carbazole	80.0	73.7		ug/L		92	68 - 121
Chrysene	80.0	82.5		ug/L		103	73 - 121
Dibenz(a,h)anthracene	80.0	79.6		ug/L		100	59 - 136
Dibenzofuran	80.0	75.6		ug/L		95	67 - 108
Diethyl phthalate	80.0	70.9		ug/L		89	61 - 129
Dimethyl phthalate	80.0	72.1		ug/L		90	65 - 121
Di-n-butyl phthalate	80.0	76.3		ug/L		95	64 - 130
Di-n-octyl phthalate	80.0	74.9		ug/L		94	64 - 131
Fluoranthene	80.0	71.7		ug/L		90	66 - 123
Fluorene	80.0	74.7		ug/L		93	67 - 112
Hexachlorobenzene	80.0	76.8		ug/L		96	63 - 125
Hexachlorobutadiene	80.0	40.3		ug/L		50	34 - 99
Hexachlorocyclopentadiene	80.0	55.4		ug/L		69	18 - 99
Hexachloroethane	80.0	34.7		ug/L		43	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	78.4		ug/L		98	57 - 142
Isophorone	80.0	75.0		ug/L		94	55 - 105
Naphthalene	80.0	62.5		ug/L		78	51 - 98
Nitrobenzene	80.0	75.6		ug/L		95	56 - 106
N-Nitrosodi-n-propylamine	80.0	78.3		ug/L		98	48 - 118
N-Nitrosodiphenylamine	80.0	75.8		ug/L		95	69 - 118
Pentachlorophenol	160	150		ug/L		94	54 - 120
Phenanthrene	80.0	75.5		ug/L		94	70 - 117
Phenol	80.0	30.5		ug/L		38	16 - 43
Pyrene	80.0	80.6		ug/L		101	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*26 - 139*
2-Fluorobiphenyl	*96*		*45 - 107*
2-Fluorophenol (Surr)	*58*		*25 - 58*
Nitrobenzene-d5 (Surr)	*103*		*51 - 108*
Phenol-d5 (Surr)	*41*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*117*		*40 - 148*

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

Lab Sample ID: LCS 460-665354/4-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665354

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Atrazine			160	150		ug/L		94	38 - 146		
Benzaldehyde			160	176		ug/L		110	46 - 111		
Caprolactam			160	53.4		ug/L		33	10 - 43		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*121*		*26 - 139*
2-Fluorobiphenyl	*110*	*X*	*45 - 107*
2-Fluorophenol (Surr)	*74*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*129*	*X*	*51 - 108*
Phenol-d5 (Surr)	*54*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*138*		*40 - 148*

Lab Sample ID: LCSD 460-665354/3-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 665354

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			80.0	70.7		ug/L		88	54 - 108	1	30
1,2,4,5-Tetrachlorobenzene			80.0	67.6		ug/L		84	46 - 105	1	30
2,2'-oxybis[1-chloropropane]			80.0	77.5		ug/L		97	50 - 108	1	30
2,3,4,6-Tetrachlorophenol			80.0	71.9		ug/L		90	57 - 122	2	30
2,4,5-Trichlorophenol			80.0	73.7		ug/L		92	59 - 117	4	30
2,4,6-Trichlorophenol			80.0	74.9		ug/L		94	62 - 120	1	30
2,4-Dichlorophenol			80.0	74.1		ug/L		93	62 - 102	4	30
2,4-Dimethylphenol			80.0	70.0		ug/L		87	61 - 95	2	30
2,4-Dinitrophenol			160	137		ug/L		86	45 - 125	4	30
2,4-Dinitrotoluene			80.0	76.0		ug/L		95	70 - 123	2	30
2,6-Dinitrotoluene			80.0	76.0		ug/L		95	68 - 121	0	30
2-Chloronaphthalene			80.0	68.5		ug/L		86	54 - 105	1	30
2-Chlorophenol			80.0	66.5		ug/L		83	54 - 92	1	30
2-Methylnaphthalene			80.0	67.5		ug/L		84	47 - 104	2	30
2-Methylphenol			80.0	56.7		ug/L		71	43 - 80	0	30
2-Nitroaniline			80.0	76.6		ug/L		96	46 - 124	4	30
2-Nitrophenol			80.0	75.1		ug/L		94	58 - 109	2	30
3,3'-Dichlorobenzidine			80.0	72.8		ug/L		91	68 - 123	2	30
3-Nitroaniline			80.0	64.8		ug/L		81	60 - 117	4	30
4,6-Dinitro-2-methylphenol			160	155		ug/L		97	59 - 132	1	30
4-Bromophenyl phenyl ether			80.0	78.1		ug/L		98	57 - 126	2	30
4-Chloro-3-methylphenol			80.0	71.9		ug/L		90	58 - 98	3	30
4-Chloroaniline			80.0	59.6		ug/L		75	51 - 108	10	30
4-Chlorophenyl phenyl ether			80.0	75.5		ug/L		94	60 - 114	2	30
4-Methylphenol			80.0	58.4		ug/L		73	34 - 78	2	30
4-Nitroaniline			80.0	65.6		ug/L		82	48 - 135	2	30
4-Nitrophenol			160	60.5		ug/L		38	11 - 47	1	30
Acenaphthene			80.0	75.5		ug/L		94	58 - 107	1	30
Acenaphthylene			80.0	73.7		ug/L		92	61 - 106	3	30
Acetophenone			80.0	78.0		ug/L		98	54 - 115	2	30
Anthracene			80.0	76.0		ug/L		95	70 - 118	1	30

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

Lab Sample ID: LCSD 460-665354/3-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 665354

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene			80.0	77.5		ug/L		97	73 - 119	1	30
Benzo[a]pyrene			80.0	66.9		ug/L		84	76 - 125	1	30
Benzo[b]fluoranthene			80.0	74.6		ug/L		93	78 - 123	1	30
Benzo[g,h,i]perylene			80.0	77.3		ug/L		97	63 - 133	1	30
Benzo[k]fluoranthene			80.0	71.4		ug/L		89	71 - 126	2	30
Bis(2-chloroethoxy)methane			80.0	80.6		ug/L		101	67 - 104	4	30
Bis(2-chloroethyl)ether			80.0	73.8		ug/L		92	63 - 106	1	30
Bis(2-ethylhexyl) phthalate			80.0	85.2		ug/L		107	63 - 135	1	30
Butyl benzyl phthalate			80.0	78.6		ug/L		98	66 - 129	2	30
Carbazole			80.0	74.0		ug/L		92	68 - 121	0	30
Chrysene			80.0	80.7		ug/L		101	73 - 121	2	30
Dibenz(a,h)anthracene			80.0	79.3		ug/L		99	59 - 136	0	30
Dibenzofuran			80.0	75.1		ug/L		94	67 - 108	1	30
Diethyl phthalate			80.0	71.7		ug/L		90	61 - 129	1	30
Dimethyl phthalate			80.0	70.6		ug/L		88	65 - 121	2	30
Di-n-butyl phthalate			80.0	76.0		ug/L		95	64 - 130	0	30
Di-n-octyl phthalate			80.0	73.7		ug/L		92	64 - 131	2	30
Fluoranthene			80.0	71.7		ug/L		90	66 - 123	0	30
Fluorene			80.0	75.2		ug/L		94	67 - 112	1	30
Hexachlorobenzene			80.0	76.3		ug/L		95	63 - 125	1	30
Hexachlorobutadiene			80.0	41.2		ug/L		52	34 - 99	2	30
Hexachlorocyclopentadiene			80.0	58.4		ug/L		73	18 - 99	5	30
Hexachloroethane			80.0	35.8		ug/L		45	39 - 92	3	30
Indeno[1,2,3-cd]pyrene			80.0	80.0		ug/L		100	57 - 142	2	30
Isophorone			80.0	77.1		ug/L		96	55 - 105	3	30
Naphthalene			80.0	64.0		ug/L		80	51 - 98	2	30
Nitrobenzene			80.0	76.8		ug/L		96	56 - 106	2	30
N-Nitrosodi-n-propylamine			80.0	79.3		ug/L		99	48 - 118	1	30
N-Nitrosodiphenylamine			80.0	76.4		ug/L		95	69 - 118	1	30
Pentachlorophenol			160	151		ug/L		94	54 - 120	0	30
Phenanthrene			80.0	75.9		ug/L		95	70 - 117	1	30
Phenol			80.0	30.4		ug/L		38	16 - 43	0	30
Pyrene			80.0	79.5		ug/L		99	63 - 129	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*26 - 139*
2-Fluorobiphenyl	*100*		*45 - 107*
2-Fluorophenol (Surr)	*60*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*111*	*X*	*51 - 108*
Phenol-d5 (Surr)	*42*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*117*		*40 - 148*

Lab Sample ID: LCSD 460-665354/5-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 665354

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			160	179		ug/L		112	38 - 146	18	30

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

Lab Sample ID: LCSD 460-665354/5-A
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 665354

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzaldehyde			160	154		ug/L		96	46 - 111	13	30
Caprolactam			160	49.8		ug/L		31	10 - 43	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*111*		*26 - 139*
2-Fluorobiphenyl	*101*		*45 - 107*
2-Fluorophenol (Surr)	*65*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*116*	*X*	*51 - 108*
Phenol-d5 (Surr)	*47*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*127*		*40 - 148*

Lab Sample ID: 460-199751-C-5-A MSD
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 665354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1.2	U F1 F2	80.0	88.4	F1 F2	ug/L		111	54 - 108	31	30
1,2,4,5-Tetrachlorobenzene	1.2	U F1 F2	80.0	84.7	F1 F2	ug/L		106	46 - 105	32	30
2,2'-oxybis[1-chloropropane]	0.63	U F1 F2	80.0	96.5	F1 F2	ug/L		121	50 - 108	31	30
2,3,4,6-Tetrachlorophenol	0.75	U	80.0	87.9		ug/L		110	57 - 122	27	30
2,4,5-Trichlorophenol	0.88	U F2	80.0	90.8	F2	ug/L		113	59 - 117	31	30
2,4,6-Trichlorophenol	0.86	U	80.0	89.5		ug/L		112	62 - 120	30	30
2,4-Dichlorophenol	1.1	U F1 F2	80.0	89.7	F1 F2	ug/L		112	62 - 102	33	30
2,4-Dimethylphenol	0.62	U F1 F2	80.0	85.2	F1 F2	ug/L		107	61 - 95	32	30
2,4-Dinitrophenol	14	U	160	177		ug/L		110	45 - 125	30	30
2,4-Dinitrotoluene	1.0	U	80.0	95.5		ug/L		119	70 - 123	24	30
2,6-Dinitrotoluene	0.83	U	80.0	96.2		ug/L		120	68 - 121	29	30
2-Chloronaphthalene	1.2	U F1	80.0	86.0	F1	ug/L		108	54 - 105	30	30
2-Chlorophenol	0.38	U F1 F2	80.0	79.5	F1 F2	ug/L		99	54 - 92	33	30
2-Methylnaphthalene	1.1	U F1 F2	80.0	87.2	F1 F2	ug/L		109	47 - 104	33	30
2-Methylphenol	0.67	U F1 F2	80.0	70.2	F1 F2	ug/L		88	43 - 80	35	30
2-Nitroaniline	0.47	U F2	80.0	93.8	F2	ug/L		117	46 - 124	33	30
2-Nitrophenol	0.75	U F1 F2	80.0	93.2	F1 F2	ug/L		117	58 - 109	35	30
3,3'-Dichlorobenzidine	1.4	U F1 F2	80.0	78.6	F2	ug/L		98	68 - 123	42	30
3-Nitroaniline	1.9	U	80.0	78.1		ug/L		98	60 - 117	30	30
4,6-Dinitro-2-methylphenol	13	U	160	199		ug/L		124	59 - 132	26	30
4-Bromophenyl phenyl ether	0.75	U	80.0	96.3		ug/L		120	57 - 126	28	30
4-Chloro-3-methylphenol	0.58	U F1	80.0	86.6	F1	ug/L		108	58 - 98	30	30
4-Chloroaniline	1.9	U F1 F2	80.0	61.8	F2	ug/L		77	51 - 108	51	30
4-Chlorophenyl phenyl ether	1.3	U	80.0	90.9		ug/L		114	60 - 114	29	30
4-Methylphenol	0.65	U F1 F2	80.0	68.4	F1 F2	ug/L		85	34 - 78	36	30
4-Nitroaniline	1.2	U	80.0	79.1		ug/L		99	48 - 135	29	30
4-Nitrophenol	4.0	U	160	71.8		ug/L		45	11 - 47	30	30
Acenaphthene	1.1	U F1	80.0	92.8	F1	ug/L		116	58 - 107	30	30
Acenaphthylene	0.82	U F1	80.0	90.3	F1	ug/L		113	61 - 106	29	30
Acetophenone	2.3	U	80.0	90.2		ug/L		113	54 - 115	30	30
Anthracene	0.63	U	80.0	93.4		ug/L		117	70 - 118	25	30
Atrazine	1.3	U	160	169		ug/L		106	38 - 146	13	30

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

Lab Sample ID: 460-199751-C-5-A MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 665495
Prep Batch: 665354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzaldehyde	2.1	U	160	155		ug/L		97	46 - 111	13	30
Benzo[a]anthracene	0.59	U F1	80.0	98.0	F1	ug/L		122	73 - 119	25	30
Benzo[a]pyrene	0.41	U	80.0	85.4		ug/L		107	76 - 125	27	30
Benzo[b]fluoranthene	0.68	U	80.0	89.8		ug/L		112	78 - 123	24	30
Benzo[g,h,i]perylene	1.4	U	80.0	100		ug/L		125	63 - 133	29	30
Benzo[k]fluoranthene	0.67	U	80.0	91.1		ug/L		114	71 - 126	26	30
Bis(2-chloroethoxy)methane	0.59	U F1	80.0	97.8	F1	ug/L		122	67 - 104	30	30
Bis(2-chloroethyl)ether	0.63	U F1	80.0	89.6	F1	ug/L		112	63 - 106	29	30
Bis(2-ethylhexyl) phthalate	1.7	U F1	80.0	108	F1	ug/L		136	63 - 135	28	30
Butyl benzyl phthalate	0.85	U	80.0	100		ug/L		125	66 - 129	27	30
Caprolactam	0.68	U	160	43.8		ug/L		27	10 - 43	8	30
Carbazole	0.68	U	80.0	90.2		ug/L		113	68 - 121	25	30
Chrysene	0.91	U F1	80.0	102	F1	ug/L		128	73 - 121	27	30
Dibenz(a,h)anthracene	0.72	U	80.0	102		ug/L		128	59 - 136	28	30
Dibenzofuran	1.1	U F1	80.0	93.2	F1	ug/L		116	67 - 108	28	30
Diethyl phthalate	0.98	U	80.0	87.4		ug/L		109	61 - 129	25	30
Dimethyl phthalate	0.77	U	80.0	87.3		ug/L		109	65 - 121	25	30
Di-n-butyl phthalate	0.84	U	80.0	94.6		ug/L		118	64 - 130	25	30
Di-n-octyl phthalate	4.8	U	80.0	90.8		ug/L		113	64 - 131	25	30
Fluoranthene	0.84	U	80.0	87.6		ug/L		109	66 - 123	23	30
Fluorene	0.91	U	80.0	90.0		ug/L		112	67 - 112	26	30
Hexachlorobenzene	0.40	U	80.0	95.2		ug/L		119	63 - 125	25	30
Hexachlorobutadiene	0.78	U F2	80.0	65.7	F2	ug/L		82	34 - 99	38	30
Hexachlorocyclopentadiene	3.6	U F1 F2	80.0	84.8	F1 F2	ug/L		106	18 - 99	42	30
Hexachloroethane	0.80	U F2	80.0	56.0	F2	ug/L		70	39 - 92	41	30
Indeno[1,2,3-cd]pyrene	0.94	U F2	80.0	100	F2	ug/L		125	57 - 142	31	30
Isophorone	0.80	U F1 F2	80.0	96.3	F1 F2	ug/L		120	55 - 105	33	30
Naphthalene	1.1	U F1 F2	80.0	82.8	F1 F2	ug/L		103	51 - 98	32	30
Nitrobenzene	0.57	U F1	80.0	91.2	F1	ug/L		114	56 - 106	28	30
N-Nitrosodi-n-propylamine	0.43	U F2	80.0	93.9	F2	ug/L		117	48 - 118	31	30
N-Nitrosodiphenylamine	0.89	U F1	80.0	95.2	F1	ug/L		119	69 - 118	28	30
Pentachlorophenol	1.4	U	160	187		ug/L		117	54 - 120	24	30
Phenanthrene	0.58	U	80.0	93.7		ug/L		117	70 - 117	24	30
Phenol	0.29	U F1 F2	80.0	35.2	F1 F2	ug/L		44	16 - 43	34	30
Pyrene	1.6	U	80.0	99.6		ug/L		125	63 - 129	25	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*109*		*26 - 139*
2-Fluorobiphenyl	*106*		*45 - 107*
2-Fluorophenol (Surr)	*60*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*119*	*X*	*51 - 108*
Phenol-d5 (Surr)	*41*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*126*		*40 - 148*

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

Lab Sample ID: 460-199751-F-5-A MS
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 665354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1.2	U F1 F2	80.0	64.8		ug/L		81	54 - 108
1,2,4,5-Tetrachlorobenzene	1.2	U F1 F2	80.0	61.6		ug/L		77	46 - 105
2,2'-oxybis[1-chloropropane]	0.63	U F1 F2	80.0	70.9		ug/L		89	50 - 108
2,3,4,6-Tetrachlorophenol	0.75	U	80.0	67.1		ug/L		84	57 - 122
2,4,5-Trichlorophenol	0.88	U F2	80.0	66.6		ug/L		83	59 - 117
2,4,6-Trichlorophenol	0.86	U	80.0	66.2		ug/L		83	62 - 120
2,4-Dichlorophenol	1.1	U F1 F2	80.0	64.2		ug/L		80	62 - 102
2,4-Dimethylphenol	0.62	U F1 F2	80.0	61.5		ug/L		77	61 - 95
2,4-Dinitrophenol	14	U	160	131		ug/L		82	45 - 125
2,4-Dinitrotoluene	1.0	U	80.0	74.7		ug/L		93	70 - 123
2,6-Dinitrotoluene	0.83	U	80.0	71.8		ug/L		90	68 - 121
2-Chloronaphthalene	1.2	U F1	80.0	63.3		ug/L		79	54 - 105
2-Chlorophenol	0.38	U F1 F2	80.0	57.0		ug/L		71	54 - 92
2-Methylnaphthalene	1.1	U F1 F2	80.0	62.7		ug/L		78	47 - 104
2-Methylphenol	0.67	U F1 F2	80.0	49.3		ug/L		62	43 - 80
2-Nitroaniline	0.47	U F2	80.0	67.2		ug/L		84	46 - 124
2-Nitrophenol	0.75	U F1 F2	80.0	65.2		ug/L		82	58 - 109
3,3'-Dichlorobenzidine	1.4	U F1 F2	80.0	51.1	F1	ug/L		64	68 - 123
3-Nitroaniline	1.9	U	80.0	57.9		ug/L		72	60 - 117
4,6-Dinitro-2-methylphenol	13	U	160	153		ug/L		95	59 - 132
4-Bromophenyl phenyl ether	0.75	U	80.0	72.7		ug/L		91	57 - 126
4-Chloro-3-methylphenol	0.58	U F1	80.0	63.8		ug/L		80	58 - 98
4-Chloroaniline	1.9	U F1 F2	80.0	36.5	F1	ug/L		46	51 - 108
4-Chlorophenyl phenyl ether	1.3	U	80.0	67.6		ug/L		85	60 - 114
4-Methylphenol	0.65	U F1 F2	80.0	47.3		ug/L		59	34 - 78
4-Nitroaniline	1.2	U	80.0	58.9		ug/L		74	48 - 135
4-Nitrophenol	4.0	U	160	53.1		ug/L		33	11 - 47
Acenaphthene	1.1	U F1	80.0	68.9		ug/L		86	58 - 107
Acenaphthylene	0.82	U F1	80.0	67.3		ug/L		84	61 - 106
Acetophenone	2.3	U	80.0	67.0		ug/L		84	54 - 115
Anthracene	0.63	U	80.0	72.7		ug/L		91	70 - 118
Atrazine	1.3	U	160	149		ug/L		93	38 - 146
Benzaldehyde	2.1	U	160	136		ug/L		85	46 - 111
Benzo[a]anthracene	0.59	U F1	80.0	76.4		ug/L		95	73 - 119
Benzo[a]pyrene	0.41	U	80.0	65.0		ug/L		81	76 - 125
Benzo[b]fluoranthene	0.68	U	80.0	70.7		ug/L		88	78 - 123
Benzo[g,h,i]perylene	1.4	U	80.0	74.5		ug/L		93	63 - 133
Benzo[k]fluoranthene	0.67	U	80.0	69.9		ug/L		87	71 - 126
Bis(2-chloroethoxy)methane	0.59	U F1	80.0	72.3		ug/L		90	67 - 104
Bis(2-chloroethyl)ether	0.63	U F1	80.0	66.7		ug/L		83	63 - 106
Bis(2-ethylhexyl) phthalate	1.7	U F1	80.0	81.8		ug/L		102	63 - 135
Butyl benzyl phthalate	0.85	U	80.0	76.2		ug/L		95	66 - 129
Caprolactam	0.68	U	160	40.3		ug/L		25	10 - 43
Carbazole	0.68	U	80.0	70.5		ug/L		88	68 - 121
Chrysene	0.91	U F1	80.0	77.9		ug/L		97	73 - 121
Dibenz(a,h)anthracene	0.72	U	80.0	77.0		ug/L		96	59 - 136
Dibenzofuran	1.1	U F1	80.0	69.9		ug/L		87	67 - 108
Diethyl phthalate	0.98	U	80.0	68.0		ug/L		85	61 - 129

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

Lab Sample ID: 460-199751-F-5-A MS
Matrix: Water
Analysis Batch: 665495

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 665354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	0.77	U	80.0	67.6		ug/L		85	65 - 121
Di-n-butyl phthalate	0.84	U	80.0	73.4		ug/L		92	64 - 130
Di-n-octyl phthalate	4.8	U	80.0	70.9		ug/L		89	64 - 131
Fluoranthene	0.84	U	80.0	69.6		ug/L		87	66 - 123
Fluorene	0.91	U	80.0	69.6		ug/L		87	67 - 112
Hexachlorobenzene	0.40	U	80.0	73.7		ug/L		92	63 - 125
Hexachlorobutadiene	0.78	U F2	80.0	44.6		ug/L		56	34 - 99
Hexachlorocyclopentadiene	3.6	U F1 F2	80.0	55.1		ug/L		69	18 - 99
Hexachloroethane	0.80	U F2	80.0	36.9		ug/L		46	39 - 92
Indeno[1,2,3-cd]pyrene	0.94	U F2	80.0	73.2		ug/L		92	57 - 142
Isophorone	0.80	U F1 F2	80.0	69.3		ug/L		87	55 - 105
Naphthalene	1.1	U F1 F2	80.0	59.9		ug/L		75	51 - 98
Nitrobenzene	0.57	U F1	80.0	68.9		ug/L		86	56 - 106
N-Nitrosodi-n-propylamine	0.43	U F2	80.0	68.6		ug/L		86	48 - 118
N-Nitrosodiphenylamine	0.89	U F1	80.0	71.9		ug/L		90	69 - 118
Pentachlorophenol	1.4	U	160	146		ug/L		91	54 - 120
Phenanthrene	0.58	U	80.0	73.4		ug/L		92	70 - 117
Phenol	0.29	U F1 F2	80.0	24.9		ug/L		31	16 - 43
Pyrene	1.6	U	80.0	77.5		ug/L		97	63 - 129

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*26 - 139*
2-Fluorobiphenyl	*84*		*45 - 107*
2-Fluorophenol (Surr)	*46*		*25 - 58*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*
Phenol-d5 (Surr)	*32*		*14 - 39*
Terphenyl-d14 (Surr)	*108*		*40 - 148*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-665106/1-A
Matrix: Water
Analysis Batch: 665293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		12/26/19 09:10	12/27/19 05:39	1
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		12/26/19 09:10	12/27/19 05:39	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		12/26/19 09:10	12/27/19 05:39	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		12/26/19 09:10	12/27/19 05:39	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 09:10	12/27/19 05:39	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 09:10	12/27/19 05:39	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/26/19 09:10	12/27/19 05:39	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/26/19 09:10	12/27/19 05:39	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/26/19 09:10	12/27/19 05:39	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/26/19 09:10	12/27/19 05:39	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-665106/1-A
Matrix: Water
Analysis Batch: 665293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/26/19 09:10	12/27/19 05:39	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/26/19 09:10	12/27/19 05:39	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 09:10	12/27/19 05:39	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endrin	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endrin	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		12/26/19 09:10	12/27/19 05:39	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		12/26/19 09:10	12/27/19 05:39	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/26/19 09:10	12/27/19 05:39	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/26/19 09:10	12/27/19 05:39	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/26/19 09:10	12/27/19 05:39	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/26/19 09:10	12/27/19 05:39	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/26/19 09:10	12/27/19 05:39	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/26/19 09:10	12/27/19 05:39	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		12/26/19 09:10	12/27/19 05:39	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/26/19 09:10	12/27/19 05:39	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/26/19 09:10	12/27/19 05:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*12/26/19 09:10*	*12/27/19 05:39*	*1*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*12/26/19 09:10*	*12/27/19 05:39*	*1*
Tetrachloro-m-xylene	*79*		*12 - 136*	*12/26/19 09:10*	*12/27/19 05:39*	*1*
Tetrachloro-m-xylene	*82*		*12 - 136*	*12/26/19 09:10*	*12/27/19 05:39*	*1*

Lab Sample ID: LCS 460-665106/2-A
Matrix: Water
Analysis Batch: 665293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.800	0.702		ug/L		88	58 - 136
4,4'-DDD	0.800	0.826		ug/L		103	58 - 136
4,4'-DDE	0.800	0.703		ug/L		88	56 - 132
4,4'-DDE	0.800	0.860		ug/L		108	56 - 132
4,4'-DDT	0.800	0.694		ug/L		87	56 - 134
4,4'-DDT	0.800	0.831		ug/L		104	56 - 134
Aldrin	0.800	0.736		ug/L		92	52 - 125
Aldrin	0.800	0.859		ug/L		107	52 - 125
alpha-BHC	0.800	0.729		ug/L		91	57 - 133
alpha-BHC	0.800	0.775		ug/L		97	57 - 133

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-665106/2-A
Matrix: Water
Analysis Batch: 665293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	0.800	0.728		ug/L		91	61 - 134
beta-BHC	0.800	0.786		ug/L		98	61 - 134
delta-BHC	0.800	0.704		ug/L		88	56 - 130
delta-BHC	0.800	0.783		ug/L		98	56 - 130
Dieldrin	0.800	0.697		ug/L		87	61 - 135
Dieldrin	0.800	0.885		ug/L		111	61 - 135
Endosulfan I	0.800	0.720		ug/L		90	61 - 134
Endosulfan I	0.800	0.901		ug/L		113	61 - 134
Endosulfan II	0.800	0.711		ug/L		89	61 - 133
Endosulfan II	0.800	0.794		ug/L		99	61 - 133
Endosulfan sulfate	0.800	0.764		ug/L		95	59 - 133
Endosulfan sulfate	0.800	0.899		ug/L		112	59 - 133
Endrin	0.800	0.741		ug/L		93	60 - 135
Endrin	0.800	0.896		ug/L		112	60 - 135
Endrin aldehyde	0.800	0.724		ug/L		91	59 - 130
Endrin aldehyde	0.800	0.807		ug/L		101	59 - 130
Endrin ketone	0.800	0.748		ug/L		94	60 - 137
Endrin ketone	0.800	0.850		ug/L		106	60 - 137
gamma-BHC (Lindane)	0.800	0.699		ug/L		87	59 - 131
gamma-BHC (Lindane)	0.800	0.786		ug/L		98	59 - 131
Heptachlor	0.800	0.750		ug/L		94	54 - 126
Heptachlor	0.800	0.814		ug/L		102	54 - 126
Heptachlor epoxide	0.800	0.725		ug/L		91	60 - 130
Heptachlor epoxide	0.800	0.870		ug/L		109	60 - 130
Methoxychlor	0.800	0.776		ug/L		97	57 - 133
Methoxychlor	0.800	0.755		ug/L		94	57 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*71*		*10 - 150*
DCB Decachlorobiphenyl	*85*		*10 - 150*
Tetrachloro-m-xylene	*70*		*12 - 136*
Tetrachloro-m-xylene	*72*		*12 - 136*

Lab Sample ID: LCSD 460-665106/3-A
Matrix: Water
Analysis Batch: 665293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 665106

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.800	0.561		ug/L		70	58 - 136	22	30
4,4'-DDD	0.800	0.592	*	ug/L		74	58 - 136	33	30
4,4'-DDE	0.800	0.559		ug/L		70	56 - 132	23	30
4,4'-DDE	0.800	0.629	*	ug/L		79	56 - 132	31	30
4,4'-DDT	0.800	0.553		ug/L		69	56 - 134	23	30
4,4'-DDT	0.800	0.597	*	ug/L		75	56 - 134	33	30
Aldrin	0.800	0.586		ug/L		73	52 - 125	23	30
Aldrin	0.800	0.642		ug/L		80	52 - 125	29	30
alpha-BHC	0.800	0.573		ug/L		72	57 - 133	24	30
alpha-BHC	0.800	0.618		ug/L		77	57 - 133	23	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-665106/3-A
Matrix: Water
Analysis Batch: 665293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 665106

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
beta-BHC			0.800	0.594		ug/L		74	61 - 134	20	30
beta-BHC			0.800	0.610		ug/L		76	61 - 134	25	30
delta-BHC			0.800	0.570		ug/L		71	56 - 130	21	30
delta-BHC			0.800	0.603		ug/L		75	56 - 130	26	30
Dieldrin			0.800	0.559		ug/L		70	61 - 135	22	30
Dieldrin			0.800	0.651		ug/L		81	61 - 135	30	30
Endosulfan I			0.800	0.578		ug/L		72	61 - 134	22	30
Endosulfan I			0.800	0.669		ug/L		84	61 - 134	30	30
Endosulfan II			0.800	0.568		ug/L		71	61 - 133	22	30
Endosulfan II			0.800	0.575	*	ug/L		72	61 - 133	32	30
Endosulfan sulfate			0.800	0.607		ug/L		76	59 - 133	23	30
Endosulfan sulfate			0.800	0.636	*	ug/L		79	59 - 133	34	30
Endrin			0.800	0.594		ug/L		74	60 - 135	22	30
Endrin			0.800	0.654	*	ug/L		82	60 - 135	31	30
Endrin aldehyde			0.800	0.582		ug/L		73	59 - 130	22	30
Endrin aldehyde			0.800	0.582	*	ug/L		73	59 - 130	32	30
Endrin ketone			0.800	0.594		ug/L		74	60 - 137	23	30
Endrin ketone			0.800	0.599	*	ug/L		75	60 - 137	35	30
gamma-BHC (Lindane)			0.800	0.556		ug/L		70	59 - 131	23	30
gamma-BHC (Lindane)			0.800	0.616		ug/L		77	59 - 131	24	30
Heptachlor			0.800	0.601		ug/L		75	54 - 126	22	30
Heptachlor			0.800	0.616		ug/L		77	54 - 126	28	30
Heptachlor epoxide			0.800	0.581		ug/L		73	60 - 130	22	30
Heptachlor epoxide			0.800	0.654		ug/L		82	60 - 130	28	30
Methoxychlor			0.800	0.614		ug/L		77	57 - 133	23	30
Methoxychlor			0.800	0.537	*	ug/L		67	57 - 133	34	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*62*		*10 - 150*
DCB Decachlorobiphenyl	*66*		*10 - 150*
Tetrachloro-m-xylene	*60*		*12 - 136*
Tetrachloro-m-xylene	*62*		*12 - 136*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-665272/1-A
Matrix: Water
Analysis Batch: 665567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/26/19 23:47	12/28/19 13:08	1
2,4-D	0.13	U	1.2	0.13	ug/L		12/26/19 23:47	12/28/19 13:08	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/26/19 23:47	12/28/19 13:08	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/26/19 23:47	12/28/19 13:08	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/26/19 23:47	12/28/19 13:08	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/26/19 23:47	12/28/19 13:08	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-665272/1-A
Matrix: Water
Analysis Batch: 665567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665272

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	186	X	54 - 150	12/26/19 23:47	12/28/19 13:08	1
2,4-Dichlorophenylacetic acid	120		54 - 150	12/26/19 23:47	12/28/19 13:08	1

Lab Sample ID: LCS 460-665272/2-A
Matrix: Water
Analysis Batch: 665567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	16.0	24.8		ug/L		155	48 - 119
2,4-D	16.0	11.5		ug/L		72	48 - 119
Silvex (2,4,5-TP)	4.00	5.11		ug/L		128	76 - 150
Silvex (2,4,5-TP)	4.00	3.98		ug/L		99	76 - 150
2,4,5-T	4.00	6.04	*	ug/L		151	68 - 139
2,4,5-T	4.00	4.25		ug/L		106	68 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	172	X	54 - 150
2,4-Dichlorophenylacetic acid	111		54 - 150

Lab Sample ID: LCSD 460-665272/3-A
Matrix: Water
Analysis Batch: 665567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 665272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	16.0	24.0		ug/L		150	48 - 119	3	30
2,4-D	16.0	11.0		ug/L		69	48 - 119	4	30
Silvex (2,4,5-TP)	4.00	4.94		ug/L		124	76 - 150	3	30
Silvex (2,4,5-TP)	4.00	3.91		ug/L		98	76 - 150	2	30
2,4,5-T	4.00	5.87	*	ug/L		147	68 - 139	3	30
2,4,5-T	4.00	4.07		ug/L		102	68 - 139	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	166	X	54 - 150
2,4-Dichlorophenylacetic acid	107		54 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-666141/1-A
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.30	U	1.0	0.30	ug/L		12/31/19 16:11	12/31/19 17:16	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		12/31/19 16:11	12/31/19 17:16	1
Barium, Dissolved	0.58	U	2.0	0.58	ug/L		12/31/19 16:11	12/31/19 17:16	1
Beryllium, Dissolved	0.12	U	0.40	0.12	ug/L		12/31/19 16:11	12/31/19 17:16	1
Cadmium, Dissolved	0.40	U	1.0	0.40	ug/L		12/31/19 16:11	12/31/19 17:16	1
Cobalt, Dissolved	0.80	U	2.0	0.80	ug/L		12/31/19 16:11	12/31/19 17:16	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-666141/1-A
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	1.2	U	2.0	1.2	ug/L		12/31/19 16:11	12/31/19 17:16	1
Copper, Dissolved	1.0	U	2.0	1.0	ug/L		12/31/19 16:11	12/31/19 17:16	1
Manganese, Dissolved	1.4	U	4.0	1.4	ug/L		12/31/19 16:11	12/31/19 17:16	1
Nickel, Dissolved	1.2	U	2.0	1.2	ug/L		12/31/19 16:11	12/31/19 17:16	1
Lead, Dissolved	0.28	U	0.60	0.28	ug/L		12/31/19 16:11	12/31/19 17:16	1
Antimony, Dissolved	0.20	U	1.0	0.20	ug/L		12/31/19 16:11	12/31/19 17:16	1
Selenium, Dissolved	2.7	U	5.0	2.7	ug/L		12/31/19 16:11	12/31/19 17:16	1
Vanadium, Dissolved	0.56	U	2.0	0.56	ug/L		12/31/19 16:11	12/31/19 17:16	1
Zinc, Dissolved	5.6	U	8.0	5.6	ug/L		12/31/19 16:11	12/31/19 17:16	1
Aluminum, Dissolved	9.4	U	20.0	9.4	ug/L		12/31/19 16:11	12/31/19 17:16	1
Sodium, Dissolved	64.0	U	100	64.0	ug/L		12/31/19 16:11	12/31/19 17:16	1
Magnesium, Dissolved	36.9	U	100	36.9	ug/L		12/31/19 16:11	12/31/19 17:16	1
Potassium, Dissolved	43.4	U	100	43.4	ug/L		12/31/19 16:11	12/31/19 17:16	1
Calcium, Dissolved	49.4	U	100	49.4	ug/L		12/31/19 16:11	12/31/19 17:16	1
Iron, Dissolved	25.6	U	60.0	25.6	ug/L		12/31/19 16:11	12/31/19 17:16	1
Thallium, Dissolved	0.079	U	0.40	0.079	ug/L		12/31/19 16:11	12/31/19 17:16	1

Lab Sample ID: LCS 460-666141/2-A
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver, Dissolved	5.00	4.90		ug/L		98	80 - 120
Arsenic, Dissolved	10.0	10.29		ug/L		103	80 - 120
Barium, Dissolved	10.0	10.43		ug/L		104	80 - 120
Beryllium, Dissolved	5.00	5.03		ug/L		101	80 - 120
Cadmium, Dissolved	5.00	5.07		ug/L		101	80 - 120
Cobalt, Dissolved	5.00	5.17		ug/L		103	80 - 120
Chromium, Dissolved	10.0	10.15		ug/L		102	80 - 120
Copper, Dissolved	10.0	10.36		ug/L		104	80 - 120
Manganese, Dissolved	50.0	50.59		ug/L		101	80 - 120
Nickel, Dissolved	10.0	10.37		ug/L		104	80 - 120
Lead, Dissolved	5.00	5.25		ug/L		105	80 - 120
Antimony, Dissolved	5.00	5.19		ug/L		104	80 - 120
Selenium, Dissolved	10.0	10.16		ug/L		102	80 - 120
Vanadium, Dissolved	10.0	10.09		ug/L		101	80 - 120
Zinc, Dissolved	50.0	51.34		ug/L		103	80 - 120
Aluminum, Dissolved	500	515.4		ug/L		103	80 - 120
Sodium, Dissolved	500	506.3		ug/L		101	80 - 120
Magnesium, Dissolved	500	499.2		ug/L		100	80 - 120
Potassium, Dissolved	500	513.9		ug/L		103	80 - 120
Calcium, Dissolved	500	569.8		ug/L		114	80 - 120
Iron, Dissolved	500	528.6		ug/L		106	80 - 120
Thallium, Dissolved	4.00	4.23		ug/L		106	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-199766-D-2-C MS ^2
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 666141

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver, Dissolved	0.59	U	10.0	9.36		ug/L		94	75 - 125
Arsenic, Dissolved	1.2	J	20.0	22.70		ug/L		107	75 - 125
Barium, Dissolved	220		20.0	260.6	4	ug/L		205	75 - 125
Beryllium, Dissolved	1.5		10.0	12.01		ug/L		105	75 - 125
Cadmium, Dissolved	0.81	U	10.0	11.05		ug/L		110	75 - 125
Cobalt, Dissolved	36.6	F1	10.0	50.10	F1	ug/L		135	75 - 125
Chromium, Dissolved	2.3	U	20.0	20.57		ug/L		103	75 - 125
Copper, Dissolved	2.0	U	20.0	20.62		ug/L		103	75 - 125
Manganese, Dissolved	1650		100	1889	4	ug/L		236	75 - 125
Nickel, Dissolved	9.8		20.0	30.35		ug/L		103	75 - 125
Lead, Dissolved	0.61	J	10.0	11.65		ug/L		110	75 - 125
Antimony, Dissolved	0.40	U	10.0	10.04		ug/L		100	75 - 125
Selenium, Dissolved	5.4	U	20.0	22.67		ug/L		113	75 - 125
Vanadium, Dissolved	1.1	U	20.0	20.05		ug/L		100	75 - 125
Zinc, Dissolved	51.8		100	156.5		ug/L		105	75 - 125
Aluminum, Dissolved	554		1000	1639		ug/L		108	75 - 125
Sodium, Dissolved	156000		1000	170600	4	ug/L		1433	75 - 125
Magnesium, Dissolved	14700		1000	16990	4	ug/L		226	75 - 125
Potassium, Dissolved	4790		1000	6216	4	ug/L		143	75 - 125
Calcium, Dissolved	15100		1000	17470	4	ug/L		239	75 - 125
Iron, Dissolved	67.4	J	1000	1107		ug/L		104	75 - 125
Thallium, Dissolved	0.16	U	8.00	8.76		ug/L		110	75 - 125

Lab Sample ID: 460-199766-D-2-B DU ^2
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 666141

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver, Dissolved	0.59	U	0.59	U	ug/L		NC	20
Arsenic, Dissolved	1.2	J	1.31	J	ug/L		5	20
Barium, Dissolved	220		224.3		ug/L		2	20
Beryllium, Dissolved	1.5		1.57		ug/L		2	20
Cadmium, Dissolved	0.81	U	0.81	U	ug/L		NC	20
Cobalt, Dissolved	36.6	F1	38.09		ug/L		4	20
Chromium, Dissolved	2.3	U	2.3	U	ug/L		NC	20
Copper, Dissolved	2.0	U	2.0	U	ug/L		NC	20
Manganese, Dissolved	1650		1708		ug/L		3	20
Nickel, Dissolved	9.8		10.06		ug/L		2	20
Lead, Dissolved	0.61	J	0.640	J	ug/L		5	20
Antimony, Dissolved	0.40	U	0.40	U	ug/L		NC	20
Selenium, Dissolved	5.4	U	5.4	U	ug/L		NC	20
Vanadium, Dissolved	1.1	U	1.1	U	ug/L		NC	20
Zinc, Dissolved	51.8		52.70		ug/L		2	20
Aluminum, Dissolved	554		571.1		ug/L		3	20
Sodium, Dissolved	156000		163000		ug/L		4	20
Magnesium, Dissolved	14700		15260		ug/L		4	20
Potassium, Dissolved	4790		4957		ug/L		3	20
Calcium, Dissolved	15100		15210		ug/L		0.9	20
Iron, Dissolved	67.4	J	73.30	J	ug/L		8	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-199766-D-2-B DU ^2
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 666141

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Thallium, Dissolved	0.16	U	0.16	U	ug/L		NC	20

Lab Sample ID: LRC 460-666196/12
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	2000	1945		ug/L		97	90 - 110
Barium, Dissolved	5000	4985		ug/L		100	90 - 110
Beryllium, Dissolved	1000	989.5		ug/L		99	90 - 110
Cadmium, Dissolved	2000	1995		ug/L		100	90 - 110
Cobalt, Dissolved	1000	1013		ug/L		101	90 - 110
Chromium, Dissolved	4000	4024		ug/L		101	90 - 110
Copper, Dissolved	1000	1020		ug/L		102	90 - 110
Manganese, Dissolved	5000	5046		ug/L		101	90 - 110
Nickel, Dissolved	1000	1008		ug/L		101	90 - 110
Lead, Dissolved	5000	4877		ug/L		98	90 - 110
Selenium, Dissolved	1000	962.1		ug/L		96	90 - 110
Vanadium, Dissolved	2000	1969		ug/L		98	90 - 110
Zinc, Dissolved	1000	1031		ug/L		103	90 - 110
Thallium, Dissolved	1000	1003		ug/L		100	90 - 110

Lab Sample ID: LRC 460-666196/13
Matrix: Water
Analysis Batch: 666196

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum, Dissolved	50000	49640		ug/L		99	90 - 110
Sodium, Dissolved	200000	194000		ug/L		97	90 - 110
Magnesium, Dissolved	150000	143500		ug/L		96	90 - 110
Potassium, Dissolved	200000	201000		ug/L		100	90 - 110
Calcium, Dissolved	150000	147600		ug/L		98	90 - 110
Iron, Dissolved	100000	95010		ug/L		95	90 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-665773/1-A
Matrix: Water
Analysis Batch: 665856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 08:26	1

Lab Sample ID: LCS 460-665773/2-A
Matrix: Water
Analysis Batch: 665856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	1.00	1.03		ug/L		103	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 460-199160-D-1-D MS
Matrix: Water
Analysis Batch: 665856

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 665773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury, Dissolved	0.12	U	1.00	1.05		ug/L		105	75 - 125		

Lab Sample ID: 460-199160-A-1-B DU
Matrix: Water
Analysis Batch: 665856

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 665773

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury, Dissolved	0.12	U		0.12	U	ug/L				NC	20

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199723-1

GC/MS VOA

Analysis Batch: 665782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Total/NA	Water	8260C	
460-199723-2	MW-1	Total/NA	Water	8260C	
460-199723-3	Duplicate	Total/NA	Water	8260C	
MB 460-665782/8	Method Blank	Total/NA	Water	8260C	
LCS 460-665782/3	Lab Control Sample	Total/NA	Water	8260C	
460-199722-A-1 MS	Matrix Spike	Total/NA	Water	8260C	
460-199722-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

GC/MS Semi VOA

Leach Batch: 665213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-665213/1-B	Method Blank	Total/NA	Water	1311	

Leach Batch: 665221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-665221/1-B	Method Blank	Total/NA	Water	1312	

Prep Batch: 665354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Total/NA	Water	3510C	
460-199723-2	MW-1	Total/NA	Water	3510C	
460-199723-3	Duplicate	Total/NA	Water	3510C	
LB 460-665213/1-B	Method Blank	Total/NA	Water	3510C	665213
LB 460-665221/1-B	Method Blank	Total/NA	Water	3510C	665221
MB 460-665354/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-665354/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-665354/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-665354/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 460-665354/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-199751-C-5-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
460-199751-F-5-A MS	Matrix Spike	Total/NA	Water	3510C	

Analysis Batch: 665495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Total/NA	Water	8270D	665354
460-199723-2	MW-1	Total/NA	Water	8270D	665354
460-199723-3	Duplicate	Total/NA	Water	8270D	665354
LB 460-665213/1-B	Method Blank	Total/NA	Water	8270D	665354
LB 460-665221/1-B	Method Blank	Total/NA	Water	8270D	665354
MB 460-665354/1-A	Method Blank	Total/NA	Water	8270D	665354
LCS 460-665354/2-A	Lab Control Sample	Total/NA	Water	8270D	665354
LCS 460-665354/4-A	Lab Control Sample	Total/NA	Water	8270D	665354
LCSD 460-665354/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	665354
LCSD 460-665354/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	665354
460-199751-C-5-A MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	665354
460-199751-F-5-A MS	Matrix Spike	Total/NA	Water	8270D	665354

GC Semi VOA

Prep Batch: 665106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Total/NA	Water	3510C	
460-199723-2	MW-1	Total/NA	Water	3510C	
460-199723-3	Duplicate	Total/NA	Water	3510C	
MB 460-665106/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-665106/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-665106/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 665272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Total/NA	Water	8151A	
460-199723-2	MW-1	Total/NA	Water	8151A	
460-199723-3	Duplicate	Total/NA	Water	8151A	
MB 460-665272/1-A	Method Blank	Total/NA	Water	8151A	
LCS 460-665272/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 460-665272/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 665293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Total/NA	Water	8081B	665106
460-199723-2	MW-1	Total/NA	Water	8081B	665106
460-199723-3	Duplicate	Total/NA	Water	8081B	665106
MB 460-665106/1-A	Method Blank	Total/NA	Water	8081B	665106
LCS 460-665106/2-A	Lab Control Sample	Total/NA	Water	8081B	665106
LCSD 460-665106/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	665106

Analysis Batch: 665567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Total/NA	Water	8151A	665272
460-199723-2	MW-1	Total/NA	Water	8151A	665272
460-199723-3	Duplicate	Total/NA	Water	8151A	665272
MB 460-665272/1-A	Method Blank	Total/NA	Water	8151A	665272
LCS 460-665272/2-A	Lab Control Sample	Total/NA	Water	8151A	665272
LCSD 460-665272/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	665272

Metals

Prep Batch: 665773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Dissolved	Water	7470A	
460-199723-2	MW-1	Dissolved	Water	7470A	
460-199723-3	Duplicate	Dissolved	Water	7470A	
MB 460-665773/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-665773/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-199160-D-1-D MS	Matrix Spike	Dissolved	Water	7470A	
460-199160-A-1-B DU	Duplicate	Dissolved	Water	7470A	

Analysis Batch: 665856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Dissolved	Water	7470A	665773
460-199723-2	MW-1	Dissolved	Water	7470A	665773
460-199723-3	Duplicate	Dissolved	Water	7470A	665773

Metals (Continued)

Analysis Batch: 665856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-665773/1-A	Method Blank	Total/NA	Water	7470A	665773
LCS 460-665773/2-A	Lab Control Sample	Total/NA	Water	7470A	665773
460-199160-D-1-D MS	Matrix Spike	Dissolved	Water	7470A	665773
460-199160-A-1-B DU	Duplicate	Dissolved	Water	7470A	665773

Prep Batch: 666141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Dissolved	Water	3010A	
460-199723-2	MW-1	Dissolved	Water	3010A	
460-199723-3	Duplicate	Dissolved	Water	3010A	
MB 460-666141/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-666141/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-199766-D-2-C MS ^2	Matrix Spike	Dissolved	Water	3010A	
460-199766-D-2-B DU ^2	Duplicate	Dissolved	Water	3010A	

Analysis Batch: 666196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199723-1	MW-2	Dissolved	Water	6020B	666141
460-199723-2	MW-1	Dissolved	Water	6020B	666141
460-199723-3	Duplicate	Dissolved	Water	6020B	666141
MB 460-666141/1-A	Method Blank	Total/NA	Water	6020B	666141
LCS 460-666141/2-A	Lab Control Sample	Total/NA	Water	6020B	666141
LRC 460-666196/12	Lab Control Sample		Water	6020B	
LRC 460-666196/13	Lab Control Sample		Water	6020B	
LRC 460-666196/14	Lab Control Sample		Water	6020B	
460-199766-D-2-C MS ^2	Matrix Spike	Dissolved	Water	6020B	666141
460-199766-D-2-B DU ^2	Duplicate	Dissolved	Water	6020B	666141

Lab Chronicle

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199723-1

Client Sample ID: MW-2

Date Collected: 12/23/19 09:45
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	665782	12/30/19 13:59	CJM	TAL EDI
Total/NA	Prep	3510C			665354	12/27/19 08:34	DXD	TAL EDI
Total/NA	Analysis	8270D		1	665495	12/28/19 06:23	YAH	TAL EDI
Total/NA	Prep	3510C			665106	12/26/19 15:34	DXB	TAL EDI
Total/NA	Analysis	8081B		1	665293	12/27/19 10:00	FAM	TAL EDI
Total/NA	Prep	8151A			665272	12/26/19 23:47	AFR	TAL EDI
Total/NA	Analysis	8151A		1	665567	12/28/19 14:03	SAK	TAL EDI
Dissolved	Prep	3010A			666141	12/31/19 16:11	VAD	TAL EDI
Dissolved	Analysis	6020B		2	666196	12/31/19 17:33	VAD	TAL EDI
Dissolved	Prep	7470A			665773	12/30/19 04:09	TJS	TAL EDI
Dissolved	Analysis	7470A		1	665856	12/30/19 09:04	TJS	TAL EDI

Client Sample ID: MW-1

Date Collected: 12/23/19 11:35
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	665782	12/30/19 14:23	CJM	TAL EDI
Total/NA	Prep	3510C			665354	12/27/19 08:34	DXD	TAL EDI
Total/NA	Analysis	8270D		1	665495	12/28/19 06:44	YAH	TAL EDI
Total/NA	Prep	3510C			665106	12/26/19 21:29	DXB	TAL EDI
Total/NA	Analysis	8081B		1	665293	12/27/19 10:16	FAM	TAL EDI
Total/NA	Prep	8151A			665272	12/26/19 23:47	AFR	TAL EDI
Total/NA	Analysis	8151A		1	665567	12/28/19 14:16	SAK	TAL EDI
Dissolved	Prep	3010A			666141	12/31/19 16:11	VAD	TAL EDI
Dissolved	Analysis	6020B		2	666196	12/31/19 17:36	VAD	TAL EDI
Dissolved	Prep	7470A			665773	12/30/19 04:09	TJS	TAL EDI
Dissolved	Analysis	7470A		1	665856	12/30/19 09:06	TJS	TAL EDI

Client Sample ID: Duplicate

Date Collected: 12/23/19 12:00
Date Received: 12/24/19 16:00

Lab Sample ID: 460-199723-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	665782	12/30/19 14:47	CJM	TAL EDI
Total/NA	Prep	3510C			665354	12/27/19 08:34	DXD	TAL EDI
Total/NA	Analysis	8270D		1	665495	12/28/19 07:05	YAH	TAL EDI
Total/NA	Prep	3510C			665106	12/26/19 21:29	DXB	TAL EDI
Total/NA	Analysis	8081B		1	665293	12/27/19 10:31	FAM	TAL EDI
Total/NA	Prep	8151A			665272	12/26/19 23:47	AFR	TAL EDI
Total/NA	Analysis	8151A		1	665567	12/28/19 14:30	SAK	TAL EDI
Dissolved	Prep	3010A			666141	12/31/19 16:11	VAD	TAL EDI
Dissolved	Analysis	6020B		2	666196	12/31/19 17:38	VAD	TAL EDI
Dissolved	Prep	7470A			665773	12/30/19 04:09	TJS	TAL EDI
Dissolved	Analysis	7470A		1	665856	12/30/19 09:08	TJS	TAL EDI

Laboratory References:

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

Accreditation/Certification Summary

Client: Duffield Associates
Job ID: 460-199723-1
Project/Site: Clean Bay Renewables

Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	01-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020B	3010A	Water	Aluminum, Dissolved
6020B	3010A	Water	Antimony, Dissolved
6020B	3010A	Water	Arsenic, Dissolved
6020B	3010A	Water	Barium, Dissolved
6020B	3010A	Water	Beryllium, Dissolved
6020B	3010A	Water	Cadmium, Dissolved
6020B	3010A	Water	Calcium, Dissolved
6020B	3010A	Water	Chromium, Dissolved
6020B	3010A	Water	Cobalt, Dissolved
6020B	3010A	Water	Copper, Dissolved
6020B	3010A	Water	Iron, Dissolved
6020B	3010A	Water	Lead, Dissolved
6020B	3010A	Water	Magnesium, Dissolved
6020B	3010A	Water	Manganese, Dissolved
6020B	3010A	Water	Nickel, Dissolved
6020B	3010A	Water	Potassium, Dissolved
6020B	3010A	Water	Selenium, Dissolved
6020B	3010A	Water	Silver, Dissolved
6020B	3010A	Water	Sodium, Dissolved
6020B	3010A	Water	Thallium, Dissolved
6020B	3010A	Water	Vanadium, Dissolved
6020B	3010A	Water	Zinc, Dissolved
7470A	7470A	Water	Mercury, Dissolved
8081B	3510C	Water	4,4'-DDD
8081B	3510C	Water	4,4'-DDE
8081B	3510C	Water	4,4'-DDT
8081B	3510C	Water	Aldrin
8081B	3510C	Water	alpha-BHC
8081B	3510C	Water	beta-BHC
8081B	3510C	Water	Chlordane (technical)
8081B	3510C	Water	delta-BHC
8081B	3510C	Water	Dieldrin
8081B	3510C	Water	Endosulfan I
8081B	3510C	Water	Endosulfan II
8081B	3510C	Water	Endosulfan sulfate
8081B	3510C	Water	Endrin
8081B	3510C	Water	Endrin aldehyde
8081B	3510C	Water	Endrin ketone
8081B	3510C	Water	gamma-BHC (Lindane)
8081B	3510C	Water	Heptachlor
8081B	3510C	Water	Heptachlor epoxide
8081B	3510C	Water	Methoxychlor
8081B	3510C	Water	Toxaphene
8151A	8151A	Water	2,4,5-T
8151A	8151A	Water	2,4-D

Laboratory: Eurofins TestAmerica, Edison (Continued)

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

Authority		Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)		State Program	N/A	01-01-21
8151A	8151A	Water	Silvex (2,4,5-TP)	
8260C		Water	1,1,1-Trichloroethane	
8260C		Water	1,1,2,2-Tetrachloroethane	
8260C		Water	1,1,2-Trichloro-1,2,2-trifluoroethane	
8260C		Water	1,1,2-Trichloroethane	
8260C		Water	1,1-Dichloroethane	
8260C		Water	1,1-Dichloroethene	
8260C		Water	1,2,3-Trichlorobenzene	
8260C		Water	1,2,4-Trichlorobenzene	
8260C		Water	1,2-Dibromo-3-Chloropropane	
8260C		Water	1,2-Dichlorobenzene	
8260C		Water	1,2-Dichloroethane	
8260C		Water	1,2-Dichloropropane	
8260C		Water	1,3-Dichlorobenzene	
8260C		Water	1,4-Dichlorobenzene	
8260C		Water	1,4-Dioxane	
8260C		Water	2-Butanone (MEK)	
8260C		Water	2-Hexanone	
8260C		Water	4-Methyl-2-pentanone (MIBK)	
8260C		Water	Acetone	
8260C		Water	Benzene	
8260C		Water	Bromoform	
8260C		Water	Bromomethane	
8260C		Water	Carbon disulfide	
8260C		Water	Carbon tetrachloride	
8260C		Water	Chlorobenzene	
8260C		Water	Chlorobromomethane	
8260C		Water	Chlorodibromomethane	
8260C		Water	Chloroethane	
8260C		Water	Chloroform	
8260C		Water	Chloromethane	
8260C		Water	cis-1,2-Dichloroethene	
8260C		Water	cis-1,3-Dichloropropene	
8260C		Water	Cyclohexane	
8260C		Water	Dichlorobromomethane	
8260C		Water	Dichlorodifluoromethane	
8260C		Water	Ethylbenzene	
8260C		Water	Ethylene Dibromide	
8260C		Water	Isopropylbenzene	
8260C		Water	Methyl acetate	
8260C		Water	Methyl tert-butyl ether	
8260C		Water	Methylcyclohexane	
8260C		Water	Methylene Chloride	
8260C		Water	m-Xylene & p-Xylene	
8260C		Water	o-Xylene	
8260C		Water	Styrene	
8260C		Water	Tetrachloroethene	
8260C		Water	Toluene	
8260C		Water	trans-1,2-Dichloroethene	

Laboratory: Eurofins TestAmerica, Edison (Continued)

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

Authority	Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	01-01-21

8260C		Water	trans-1,3-Dichloropropene
8260C		Water	Trichloroethene
8260C		Water	Trichlorofluoromethane
8260C		Water	Vinyl chloride
8270D	3510C	Water	1,1'-Biphenyl
8270D	3510C	Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Water	2,2'-oxybis[1-chloropropane]
8270D	3510C	Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Water	2,4,5-Trichlorophenol
8270D	3510C	Water	2,4,6-Trichlorophenol
8270D	3510C	Water	2,4-Dichlorophenol
8270D	3510C	Water	2,4-Dimethylphenol
8270D	3510C	Water	2,4-Dinitrophenol
8270D	3510C	Water	2,4-Dinitrotoluene
8270D	3510C	Water	2,6-Dinitrotoluene
8270D	3510C	Water	2-Chloronaphthalene
8270D	3510C	Water	2-Chlorophenol
8270D	3510C	Water	2-Methylnaphthalene
8270D	3510C	Water	2-Methylphenol
8270D	3510C	Water	2-Nitroaniline
8270D	3510C	Water	2-Nitrophenol
8270D	3510C	Water	3,3'-Dichlorobenzidine
8270D	3510C	Water	3-Nitroaniline
8270D	3510C	Water	4,6-Dinitro-2-methylphenol
8270D	3510C	Water	4-Bromophenyl phenyl ether
8270D	3510C	Water	4-Chloro-3-methylphenol
8270D	3510C	Water	4-Chloroaniline
8270D	3510C	Water	4-Chlorophenyl phenyl ether
8270D	3510C	Water	4-Methylphenol
8270D	3510C	Water	4-Nitroaniline
8270D	3510C	Water	4-Nitrophenol
8270D	3510C	Water	Acenaphthene
8270D	3510C	Water	Acenaphthylene
8270D	3510C	Water	Acetophenone
8270D	3510C	Water	Anthracene
8270D	3510C	Water	Atrazine
8270D	3510C	Water	Benzaldehyde
8270D	3510C	Water	Benzo[a]anthracene
8270D	3510C	Water	Benzo[a]pyrene
8270D	3510C	Water	Benzo[b]fluoranthene
8270D	3510C	Water	Benzo[g,h,i]perylene
8270D	3510C	Water	Benzo[k]fluoranthene
8270D	3510C	Water	Bis(2-chloroethoxy)methane
8270D	3510C	Water	Bis(2-chloroethyl)ether
8270D	3510C	Water	Bis(2-ethylhexyl) phthalate
8270D	3510C	Water	Butyl benzyl phthalate
8270D	3510C	Water	Caprolactam
8270D	3510C	Water	Carbazole
8270D	3510C	Water	Chrysene

Laboratory: Eurofins TestAmerica, Edison (Continued)

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

Authority	Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	01-01-21

8270D	3510C	Water	Dibenz(a,h)anthracene
8270D	3510C	Water	Dibenzofuran
8270D	3510C	Water	Diethyl phthalate
8270D	3510C	Water	Dimethyl phthalate
8270D	3510C	Water	Di-n-butyl phthalate
8270D	3510C	Water	Di-n-octyl phthalate
8270D	3510C	Water	Fluoranthene
8270D	3510C	Water	Fluorene
8270D	3510C	Water	Hexachlorobenzene
8270D	3510C	Water	Hexachlorobutadiene
8270D	3510C	Water	Hexachlorocyclopentadiene
8270D	3510C	Water	Hexachloroethane
8270D	3510C	Water	Indeno[1,2,3-cd]pyrene
8270D	3510C	Water	Isophorone
8270D	3510C	Water	Naphthalene
8270D	3510C	Water	Nitrobenzene
8270D	3510C	Water	N-Nitrosodi-n-propylamine
8270D	3510C	Water	N-Nitrosodiphenylamine
8270D	3510C	Water	Pentachlorophenol
8270D	3510C	Water	Phenanthrene
8270D	3510C	Water	Phenol
8270D	3510C	Water	Pyrene

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

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-2	460-199723-1	98	95	103	95
MW-1	460-199723-2	111	108	109	103
Duplicate	460-199723-3	105	100	109	103
	MB 460-665782/8	103	99	107	98
	LCS 460-665782/3	107	105	108	101
	460-199722-A-1 MS	120	116	121 X	121
	460-199722-A-1 MSD	106	102	106	103

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-131
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	77-124

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B52961.D

Lab ID: LCS 460-665782/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.8	99	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.6	103	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.3	117	59-150	
1,1,2-Trichloroethane	20.0	21.2	106	78-120	
1,1-Dichloroethane	20.0	21.7	109	77-123	
1,1-Dichloroethene	20.0	21.5	107	74-123	
1,2,3-Trichlorobenzene	20.0	15.6	78	78-131	
1,2,4-Trichlorobenzene	20.0	17.6	88	80-124	
1,2-Dichloropropane	20.0	22.2	111	77-123	
1,3-Dichlorobenzene	20.0	18.7	93	80-120	
1,4-Dichlorobenzene	20.0	19.0	95	80-120	
1,4-Dioxane	400	472	118	10-150	
2-Butanone (MEK)	100	110	110	64-120	
2-Hexanone	100	99.8	100	71-125	
4-Methyl-2-pentanone (MIBK)	100	98.3	98	78-124	
Acetone	100	98.6	99	39-150	
Benzene	20.0	20.5	102	77-121	
Bromoform	20.0	18.2	91	53-120	
Bromomethane	20.0	20.6	103	10-150	
Carbon disulfide	20.0	20.9	105	69-133	
Carbon tetrachloride	20.0	20.3	101	70-132	
Chlorobenzene	20.0	20.7	104	80-120	
Chlorobromomethane	20.0	19.3	97	77-127	
Chlorodibromomethane	20.0	19.1	95	73-120	
Chloroethane	20.0	21.1	105	52-150	
Chloroform	20.0	21.0	105	80-120	
Chloromethane	20.0	20.2	101	56-131	
cis-1,2-Dichloroethene	20.0	20.2	101	80-120	
cis-1,3-Dichloropropene	20.0	21.3	106	77-120	
Cyclohexane	20.0	22.4	112	56-150	
Dichlorobromomethane	20.0	19.8	99	76-120	
Dichlorodifluoromethane	20.0	17.3	87	50-131	
Ethylbenzene	20.0	20.1	100	80-120	
Ethylene Dibromide	20.0	20.8	104	80-120	
Isopropylbenzene	20.0	20.6	103	80-123	
Methyl acetate	40.0	46.3	116	66-144	
Methyl tert-butyl ether	20.0	21.2	106	79-122	
Methylcyclohexane	20.0	22.1	111	61-145	
Methylene Chloride	20.0	21.2	106	77-123	
m-Xylene & p-Xylene	20.0	21.0	105	80-120	
o-Xylene	20.0	20.5	103	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B52961.D

Lab ID: LCS 460-665782/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	21.1	105	80-120	
Tetrachloroethene	20.0	19.1	96	78-122	
Toluene	20.0	20.7	103	80-120	
trans-1,2-Dichloroethene	20.0	21.5	107	79-120	
trans-1,3-Dichloropropene	20.0	21.5	107	76-120	
Trichloroethene	20.0	19.9	100	77-120	
Trichlorofluoromethane	20.0	20.7	103	71-143	
Vinyl chloride	20.0	20.8	104	62-138	
1,2-Dichloroethane	20.0	19.8	99	76-121	
1,2-Dichlorobenzene	20.0	18.7	93	80-120	
1,2-Dibromo-3-Chloropropane	20.0	17.1	85	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B52977.D

Lab ID: 460-199722-A-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	200	0.24 U	233	116	75-125	
1,1,2,2-Tetrachloroethane	200	0.37 U	242	121	74-120	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	200	0.31 U	243	121	59-150	
1,1,2-Trichloroethane	200	0.43 U	243	122	78-120	F1
1,1-Dichloroethane	200	0.26 U	250	125	77-123	F1
1,1-Dichloroethene	200	0.26 U	230	115	74-123	
1,2,3-Trichlorobenzene	200	0.36 U	193	96	78-131	
1,2,4-Trichlorobenzene	200	0.37 U	218	109	80-124	
1,2-Dichloropropane	200	0.35 U	244	122	77-123	
1,3-Dichlorobenzene	200	0.34 U	230	115	80-120	
1,4-Dichlorobenzene	200	0.33 U	224	112	80-120	
1,4-Dioxane	4000	28 U	5510	138	10-150	
2-Butanone (MEK)	1000	1.9 U	1240	124	64-120	F1
2-Hexanone	1000	1.1 U	1220	122	71-125	
4-Methyl-2-pentanone (MIBK)	1000	1.3 U	1190	119	78-124	
Acetone	1000	4.4 U	1090	109	39-150	
Benzene	200	0.20 U	236	118	77-121	
Bromoform	200	0.54 U	217	108	53-120	
Bromomethane	200	0.55 U	227	113	10-150	
Carbon disulfide	200	0.82 U	264	132	69-133	
Carbon tetrachloride	200	0.21 U	230	115	70-132	
Chlorobenzene	200	0.38 U	231	115	80-120	
Chlorobromomethane	200	0.41 U	226	113	77-127	
Chlorodibromomethane	200	0.28 U	220	110	73-120	
Chloroethane	200	0.32 U	222	111	52-150	
Chloroform	200	0.33 U	235	117	80-120	
Chloromethane	200	0.40 U	220	110	56-131	
cis-1,2-Dichloroethene	200	0.22 U	240	120	80-120	
cis-1,3-Dichloropropene	200	0.22 U	222	111	77-120	
Cyclohexane	200	0.32 U	266	133	56-150	
Dichlorobromomethane	200	0.34 U	223	111	76-120	
Dichlorodifluoromethane	200	0.31 U	187	94	50-131	
Ethylbenzene	200	1.6	257	128	80-120	F1
Ethylene Dibromide	200	0.50 U	238	119	80-120	
Isopropylbenzene	200	0.38 J	245	122	80-123	
Methyl acetate	400	0.79 U	495	124	66-144	
Methyl tert-butyl ether	200	0.47 U	259	129	79-122	F1
Methylcyclohexane	200	0.26 U	263	132	61-145	
Methylene Chloride	200	0.32 U	240	120	77-123	
m-Xylene & p-Xylene	200	7.6	263	128	80-120	F1
o-Xylene	200	3.7	249	123	80-120	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B52977.D

Lab ID: 460-199722-A-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	200	0.42 U	241	121	80-120	F1
Tetrachloroethene	200	0.25 U	224	112	78-122	
Toluene	200	0.38 U	236	118	80-120	
trans-1,2-Dichloroethene	200	0.24 U	240	120	79-120	
trans-1,3-Dichloropropene	200	0.49 U	222	111	76-120	
Trichloroethene	200	0.31 U	223	112	77-120	
Trichlorofluoromethane	200	0.32 U	228	114	71-143	
Vinyl chloride	200	0.17 U	232	116	62-138	
1,2-Dichloroethane	200	0.43 U	227	114	76-121	
1,2-Dichlorobenzene	200	0.43 U	230	115	80-120	
1,2-Dibromo-3-Chloropropane	200	0.38 U	213	107	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B52978.D

Lab ID: 460-199722-A-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	200	208	104	11	30	75-125	
1,1,2,2-Tetrachloroethane	200	205	102	16	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	200	215	107	12	30	59-150	
1,1,2-Trichloroethane	200	210	105	15	30	78-120	
1,1-Dichloroethane	200	218	109	14	30	77-123	
1,1-Dichloroethene	200	200	100	14	30	74-123	
1,2,3-Trichlorobenzene	200	169	85	13	30	78-131	
1,2,4-Trichlorobenzene	200	188	94	15	30	80-124	
1,2-Dichloropropane	200	216	108	12	30	77-123	
1,3-Dichlorobenzene	200	191	95	18	30	80-120	
1,4-Dichlorobenzene	200	192	96	15	30	80-120	
1,4-Dioxane	4000	4570	114	19	30	10-150	
2-Butanone (MEK)	1000	1090	109	13	30	64-120	
2-Hexanone	1000	1040	104	16	30	71-125	
4-Methyl-2-pentanone (MIBK)	1000	1010	101	17	30	78-124	
Acetone	1000	921	92	17	30	39-150	
Benzene	200	206	103	14	30	77-121	
Bromoform	200	185	93	16	30	53-120	
Bromomethane	200	206	103	10	30	10-150	
Carbon disulfide	200	226	113	16	30	69-133	
Carbon tetrachloride	200	198	99	15	30	70-132	
Chlorobenzene	200	203	102	13	30	80-120	
Chlorobromomethane	200	186	93	19	30	77-127	
Chlorodibromomethane	200	196	98	11	30	73-120	
Chloroethane	200	209	104	6	30	52-150	
Chloroform	200	200	100	16	30	80-120	
Chloromethane	200	202	101	9	30	56-131	
cis-1,2-Dichloroethene	200	206	103	16	30	80-120	
cis-1,3-Dichloropropene	200	201	100	10	30	77-120	
Cyclohexane	200	221	111	18	30	56-150	
Dichlorobromomethane	200	198	99	12	30	76-120	
Dichlorodifluoromethane	200	147	73	24	30	50-131	
Ethylbenzene	200	216	107	18	30	80-120	
Ethylene Dibromide	200	203	102	16	30	80-120	
Isopropylbenzene	200	211	105	15	30	80-123	
Methyl acetate	400	466	117	6	30	66-144	
Methyl tert-butyl ether	200	219	109	17	30	79-122	
Methylcyclohexane	200	223	111	17	30	61-145	
Methylene Chloride	200	215	107	11	30	77-123	
m-Xylene & p-Xylene	200	218	105	19	30	80-120	
o-Xylene	200	217	107	14	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B52978.D

Lab ID: 460-199722-A-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	200	212	106	13	30	80-120	
Tetrachloroethene	200	195	97	14	30	78-122	
Toluene	200	201	100	16	30	80-120	
trans-1,2-Dichloroethene	200	211	106	13	30	79-120	
trans-1,3-Dichloropropene	200	196	98	12	30	76-120	
Trichloroethene	200	201	101	10	30	77-120	
Trichlorofluoromethane	200	208	104	9	30	71-143	
Vinyl chloride	200	209	105	10	30	62-138	
1,2-Dichloroethane	200	204	102	11	30	76-121	
1,2-Dichlorobenzene	200	194	97	17	30	80-120	
1,2-Dibromo-3-Chloropropane	200	186	93	14	30	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab File ID: B52966.D Lab Sample ID: MB 460-665782/8

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

Instrument ID: CVOAMS2 Date Analyzed: 12/30/2019 08:24

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 460-665782/3	B52961.D	12/30/2019 06:25
	460-199722-A-1 MS	B52977.D	12/30/2019 12:47
	460-199722-A-1 MSD	B52978.D	12/30/2019 13:11
MW-2	460-199723-1	B52980.D	12/30/2019 13:59
MW-1	460-199723-2	B52981.D	12/30/2019 14:23
Duplicate	460-199723-3	B52982.D	12/30/2019 14:47

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab File ID: B52882.D BFB Injection Date: 12/27/2019

Instrument ID: CVOAMS2 BFB Injection Time: 10:33

Analysis Batch No.: 665377

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.4	
75	30.0 - 60.0 % of mass 95	54.9	
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	1.4	(1.8) 1
174	50.0 - 120.00 % of mass 95	75.2	
175	5.0 - 9.0 % of mass 174	6.1	(8.1) 1
176	95.0 - 101.0 % of mass 174	75.4	(100.2) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-665377/4	B52885.D	12/27/2019	11:43
	STD5 460-665377/6	B52887.D	12/27/2019	12:31
	STD20 460-665377/7	B52888.D	12/27/2019	12:55
	STD50 460-665377/8	B52889.D	12/27/2019	13:18
	STD500 460-665377/10	B52891.D	12/27/2019	14:06
	STD1 460-665377/17	B52898.D	12/27/2019	17:16
	STD200 460-665377/18	B52899.D	12/27/2019	17:40

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab File ID: B52959.D BFB Injection Date: 12/30/2019

Instrument ID: CVOAMS2 BFB Injection Time: 05:38

Analysis Batch No.: 665782

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.0	
75	30.0 - 60.0 % of mass 95	52.7	
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	0.9	(1.2) 1
174	50.0 - 120.00 % of mass 95	72.8	
175	5.0 - 9.0 % of mass 174	6.1	(8.4) 1
176	95.0 - 101.0 % of mass 174	71.9	(98.8) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-665782/2	B52960.D	12/30/2019	06:01
	LCS 460-665782/3	B52961.D	12/30/2019	06:25
	MB 460-665782/8	B52966.D	12/30/2019	08:24
	460-199722-A-1 MS	B52977.D	12/30/2019	12:47
	460-199722-A-1 MSD	B52978.D	12/30/2019	13:11
MW-2	460-199723-1	B52980.D	12/30/2019	13:59
MW-1	460-199723-2	B52981.D	12/30/2019	14:23
Duplicate	460-199723-3	B52982.D	12/30/2019	14:47

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Sample No.: CCVIS 460-665782/2 Date Analyzed: 12/30/2019 06:01

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

Lab File ID (Standard): B52960.D Heated Purge: (Y/N) N

Calibration ID: 77942

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		258946	1.81	291206	2.65	523951	3.79
UPPER LIMIT		517892	2.31	582412	3.15	1047902	4.29
LOWER LIMIT		129473	1.31	145603	2.15	261976	3.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-665782/3		287903	1.81	329751	2.65	501406	3.79
MB 460-665782/8		323130	1.80	333363	2.65	535936	3.79
460-199722-A-1 MS		286424	1.79	301178	2.65	477753	3.79
460-199722-A-1 MSD		312187	1.80	351639	2.64	538622	3.79
460-199723-1	MW-2	326515	1.81	362425	2.64	569583	3.79
460-199723-2	MW-1	303156	1.81	325312	2.65	512937	3.79
460-199723-3	Duplicate	286715	1.81	326385	2.65	549115	3.79

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Sample No.: CCVIS 460-665782/2 Date Analyzed: 12/30/2019 06:01

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

Lab File ID (Standard): B52960.D Heated Purge: (Y/N) N

Calibration ID: 77942

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		25036	4.67	383488	8.38	220680	12.71
UPPER LIMIT		50072	5.17	766976	8.88	441360	13.21
LOWER LIMIT		12518	4.17	191744	7.88	110340	12.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-665782/3		30080	4.67	398070	8.38	227096	12.71
MB 460-665782/8		28412	4.65	404360	8.38	227286	12.71
460-199722-A-1 MS		25925	4.67	381280	8.38	218171	12.72
460-199722-A-1 MSD		29022	4.67	432825	8.38	250083	12.72
460-199723-1	MW-2	26768	4.67	436901	8.38	242138	12.72
460-199723-2	MW-1	27492	4.68	388201	8.38	217000	12.72
460-199723-3	Duplicate	23344	4.68	412828	8.38	235091	12.72

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: B52980.D

Analysis Method: 8260C Date Collected: 12/23/2019 09:45

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 13:59

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: B52980.D

Analysis Method: 8260C Date Collected: 12/23/2019 09:45

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 13:59

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	95		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: B52980.D

Analysis Method: 8260C Date Collected: 12/23/2019 09:45

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 13:59

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.: 665782 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260C

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52980.D
Lims ID: 460-199723-B-1
Client ID: MW-2
Sample Type: Client
Inject. Date: 30-Dec-2019 13:59:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199723-B-1
Misc. Info.: 460-0103638-022
Operator ID: Instrument ID: CVOAMS2

Method: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jan-2020 11:08:15 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0308

First Level Reviewer: yallabg Date: 30-Dec-2019 19:44:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	1.807	1.806	0.001	0	326515	1000.0	
* 39 2-Butanone-d5	46	2.642	2.648	-0.006	0	362425	250.0	
$ 51 Dibromofluoromethane (Surr	113	3.111	3.117	-0.006	95	205262	48.9	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	241771	47.7	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	569583	50.0	
* 70 1,4-Dioxane-d8	96	4.666	4.666	0.000	0	26768	1000.0	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	99	679952	51.4	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	88	436901	50.0	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	87	197190	47.7	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	97	242138	50.0	

Reagents:

8260ISNEW_00092 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00202 Amount Added: 1.00 Units: uL Run Reagent

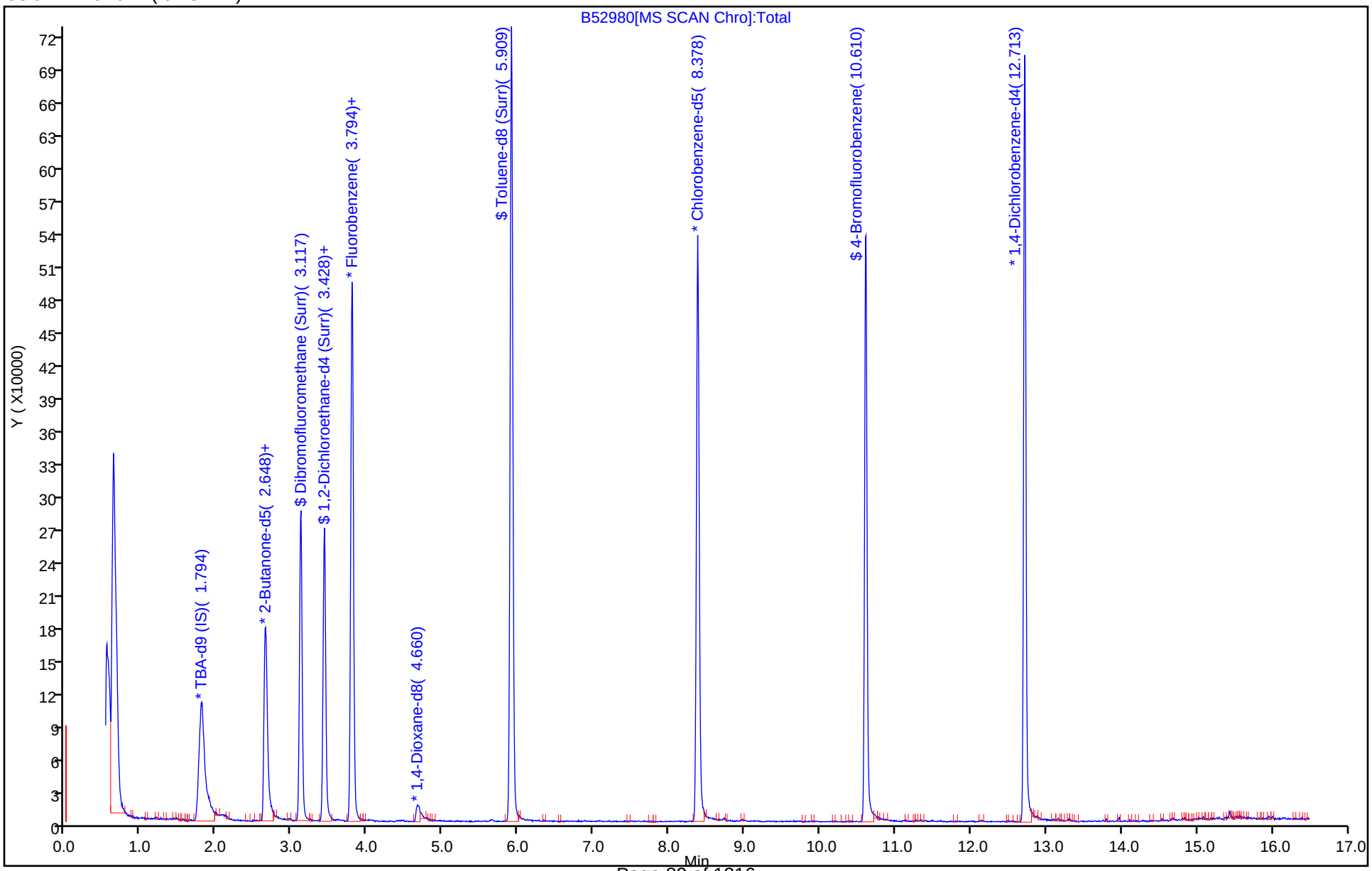
Report Date: 02-Jan-2020 11:08:36 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52980.D

Injection Date:	30-Dec-2019 13:59:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-199723-B-1	Lab Sample ID:	460-199723-1	Worklist Smp#:	22
Client ID:	MW-2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: B52981.D

Analysis Method: 8260C Date Collected: 12/23/2019 11:35

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 14:23

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.82	J	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: B52981.D

Analysis Method: 8260C Date Collected: 12/23/2019 11:35

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 14:23

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	111		72-131
2037-26-5	Toluene-d8 (Surr)	109		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: B52981.D

Analysis Method: 8260C Date Collected: 12/23/2019 11:35

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 14:23

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.: 665782 Units: ug/L

Number TICs Found: 10 TIC Result Total: 170.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	14.96	13	J	
92-51-3	1,1'-Bicyclohexyl	15.24	9.8	J N	87%
1560-96-9	Tridecane, 2-methyl-	15.34	19	J N	90%
54833-23-7	Eicosane, 10-methyl-	15.40	9.7	J N	80%
3891-98-3	Dodecane, 2,6,10-trimethyl-	15.44	33	J N	91%
629-59-4	Tetradecane	15.57	30	J N	83%
	Unknown	15.72	11	J	
544-76-3	Hexadecane	16.00	24	J N	91%
	Unknown	16.05	11	J	
	Unknown	16.17	9.6	J	

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D
Lims ID: 460-199723-B-2
Client ID: MW-1
Sample Type: Client
Inject. Date: 30-Dec-2019 14:23:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199723-B-2
Misc. Info.: 460-0103638-023
Operator ID: Instrument ID: CVOAMS2

Method: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jan-2020 11:09:05 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0308

First Level Reviewer: yallabg Date: 30-Dec-2019 19:44:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	1.807	1.806	0.001	0	303156	1000.0	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	325312	250.0	
48 Chloroform	83	2.965	2.971	-0.006	95	4716	0.8234	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	96	210594	55.7	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	246688	54.0	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	512937	50.0	
* 70 1,4-Dioxane-d8	96	4.684	4.666	0.018	0	27492	1000.0	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	99	640334	54.5	
85 Tetrachloroethene	166	6.885	6.885	0.000	9	499	0.1760	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	88	388201	50.0	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	87	188453	51.4	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	97	217000	50.0	

Reagents:

8260ISNEW_00092 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00202 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D				
Lims ID:	460-199723-B-2				
Client ID:	MW-1				
Sample Type:	Client				
Inject. Date:	30-Dec-2019 14:23:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-199723-B-2				
Misc. Info.:	460-0103638-023				
Operator ID:		Instrument ID:	CVOAMS2		
Method:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	02-Jan-2020 11:09:05	Calib Date:	27-Dec-2019 17:40:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromna\Edison\Database\NIST02.L				
Min. Match:	70				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0308				
First Level Reviewer: yallabg		Date:	30-Dec-2019 19:44:25		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
14.962	366442	13.4	119					
	92-51-3	1,1'-Bicyclohexyl						
15.243	267593	9.81	119	87	33290	C12H22	166	
	1560-96-9	Tridecane, 2-methyl-						
15.340	514917	18.9	119	90	55023	C14H30	198	
	54833-23-7	Eicosane, 10-methyl-						
15.395	264852	9.70	119	80	115575	C21H44	296	
	3891-98-3	Dodecane, 2,6,10-trimethyl-						
15.438	892707	32.7	119	91	64590	C15H32	212	
	629-59-4	Tetradecane						
15.566	808644	29.6	119	83	55009	C14H30	198	
		Unknown						
15.718	309425	11.3	119					
	544-76-3	Hexadecane						
15.999	646076	23.7	119	91	73967	C16H34	226	
		Unknown						
16.054	297130	10.9	119					
		Unknown						
16.170	261232	9.57	119					

Report Date: 02-Jan-2020 11:09:06 Chrom Revision: 2.3 15-Dec-2019 06:20:02
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D
Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 119 1,4-Dichlorobenzene-d4	12.713	1364518	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

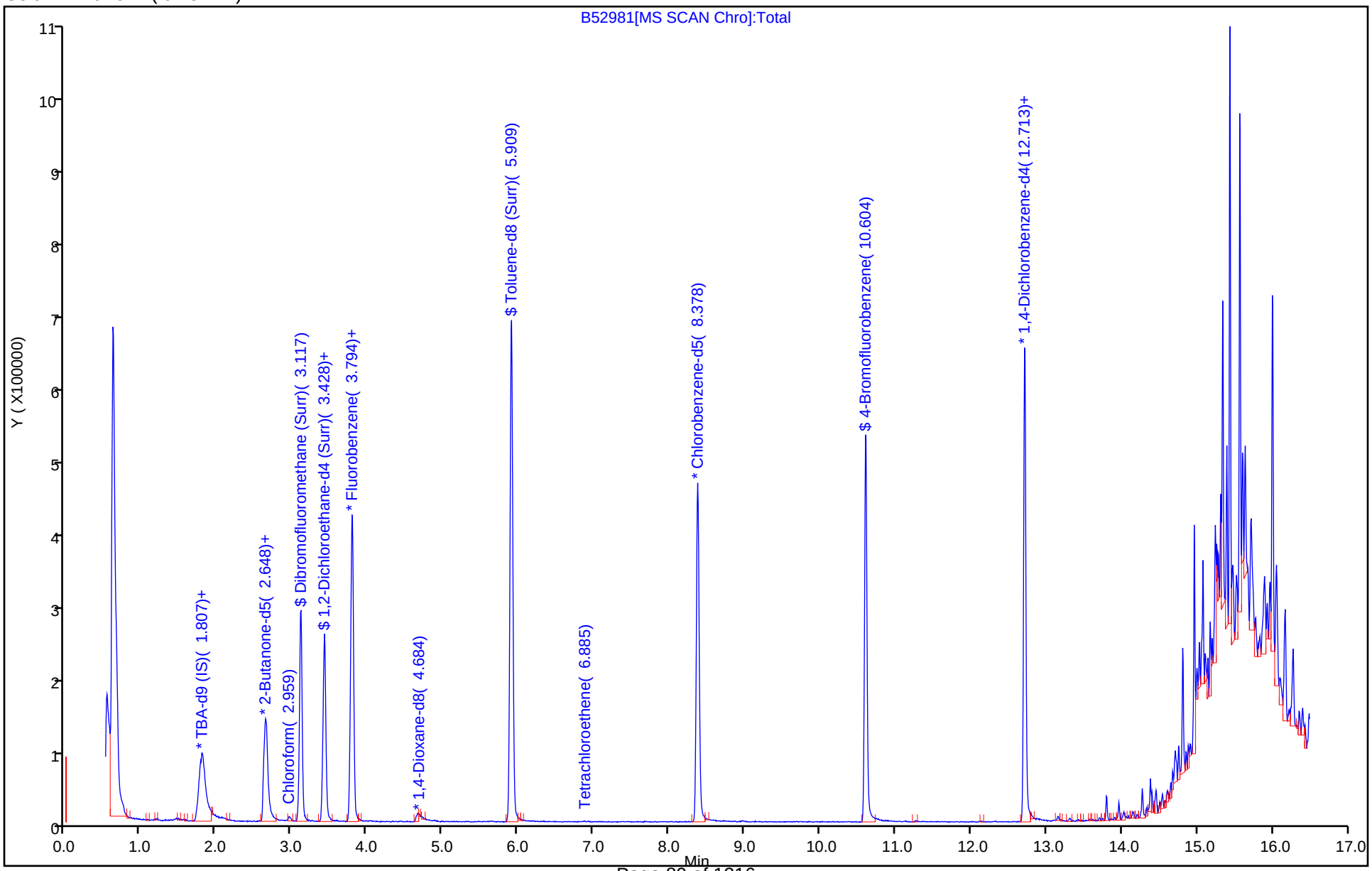
Report Date: 02-Jan-2020 11:09:06 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2	Worklist Smp#:	23
Client ID:	MW-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



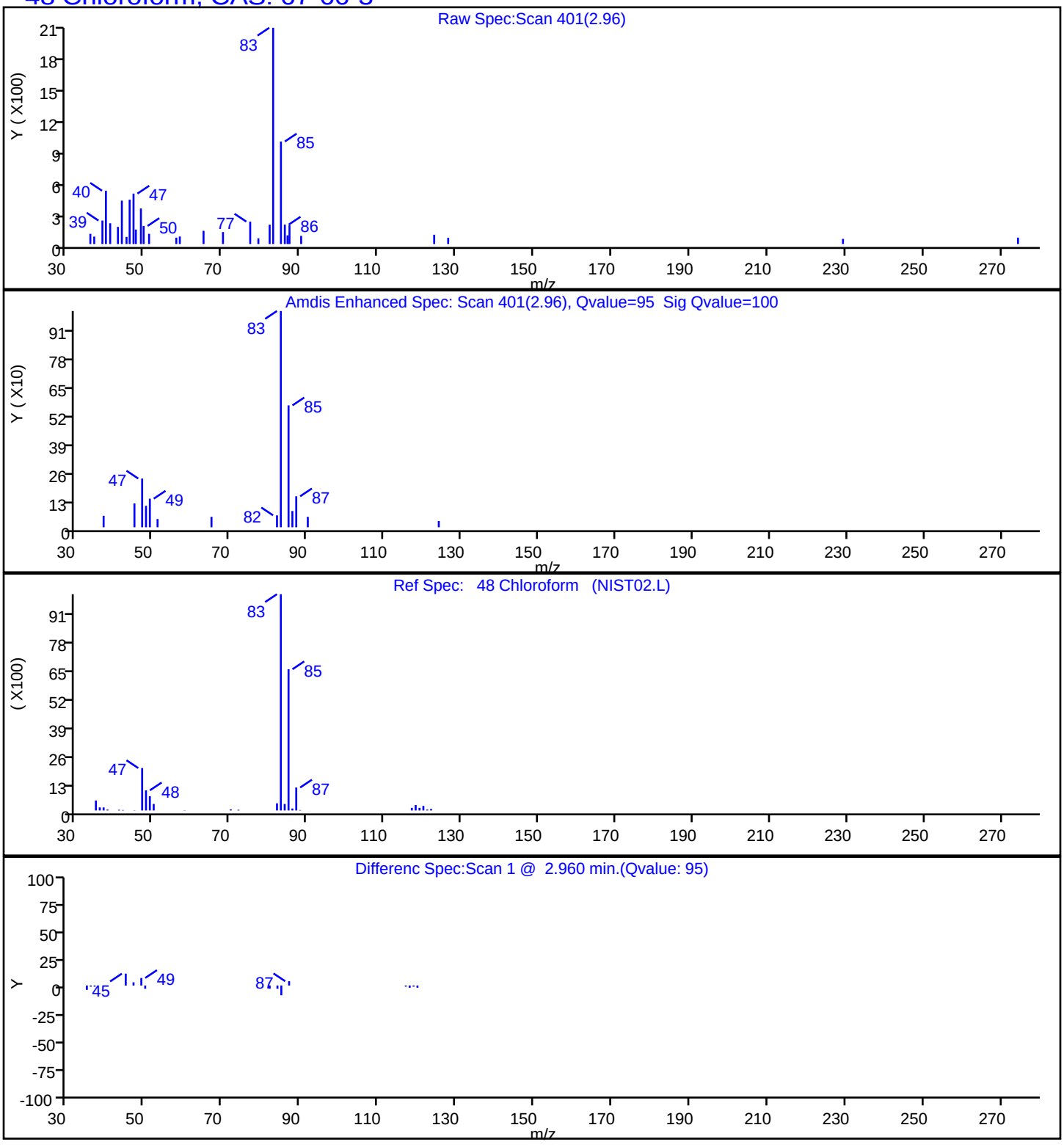
Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2		
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

48 Chloroform, CAS: 67-66-3



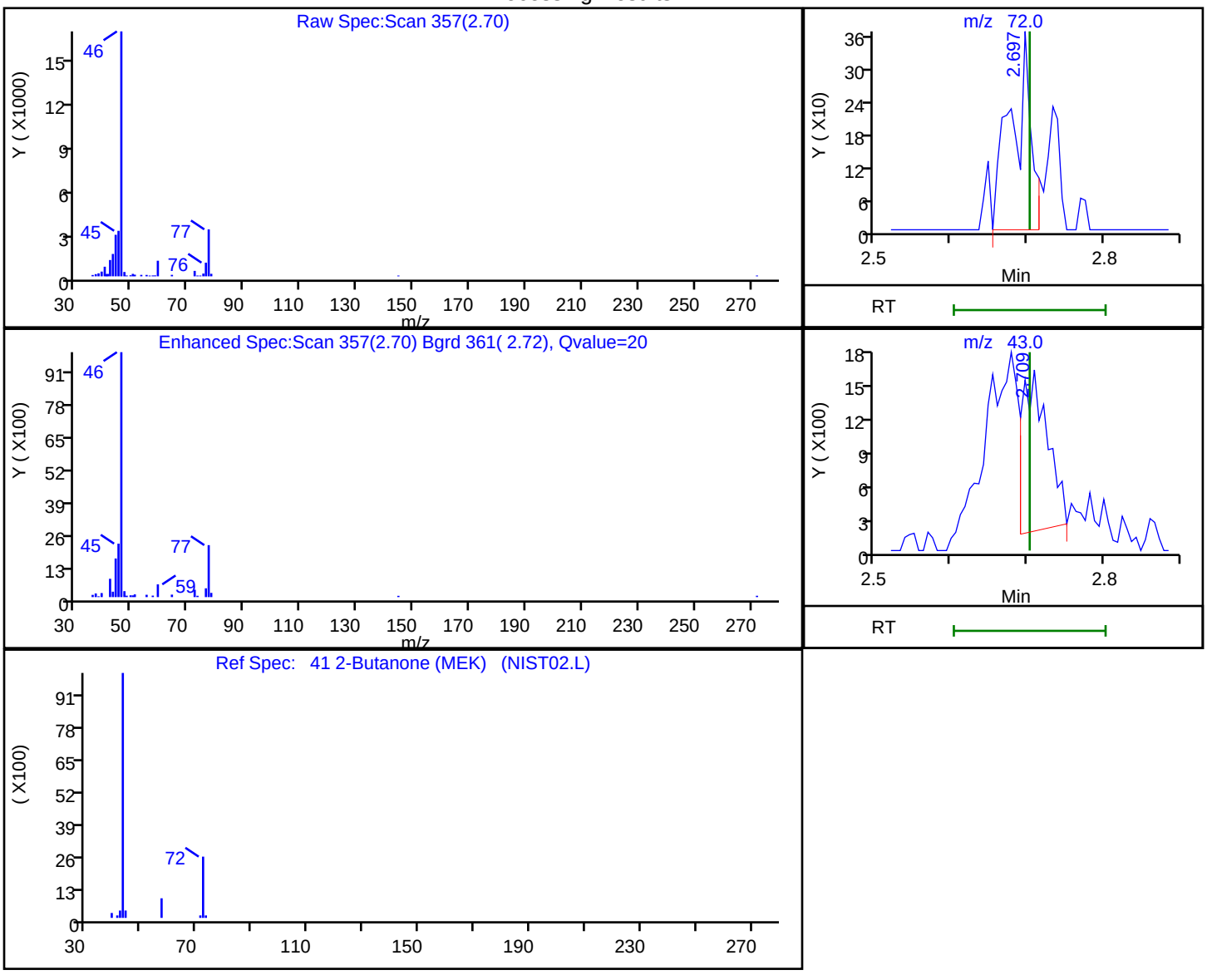
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D				
Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2		
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
2.70	72.00	659	2.225179
2.71	43.00	3293	

Reviewer: yallabg, 30-Dec-2019 19:44:17

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

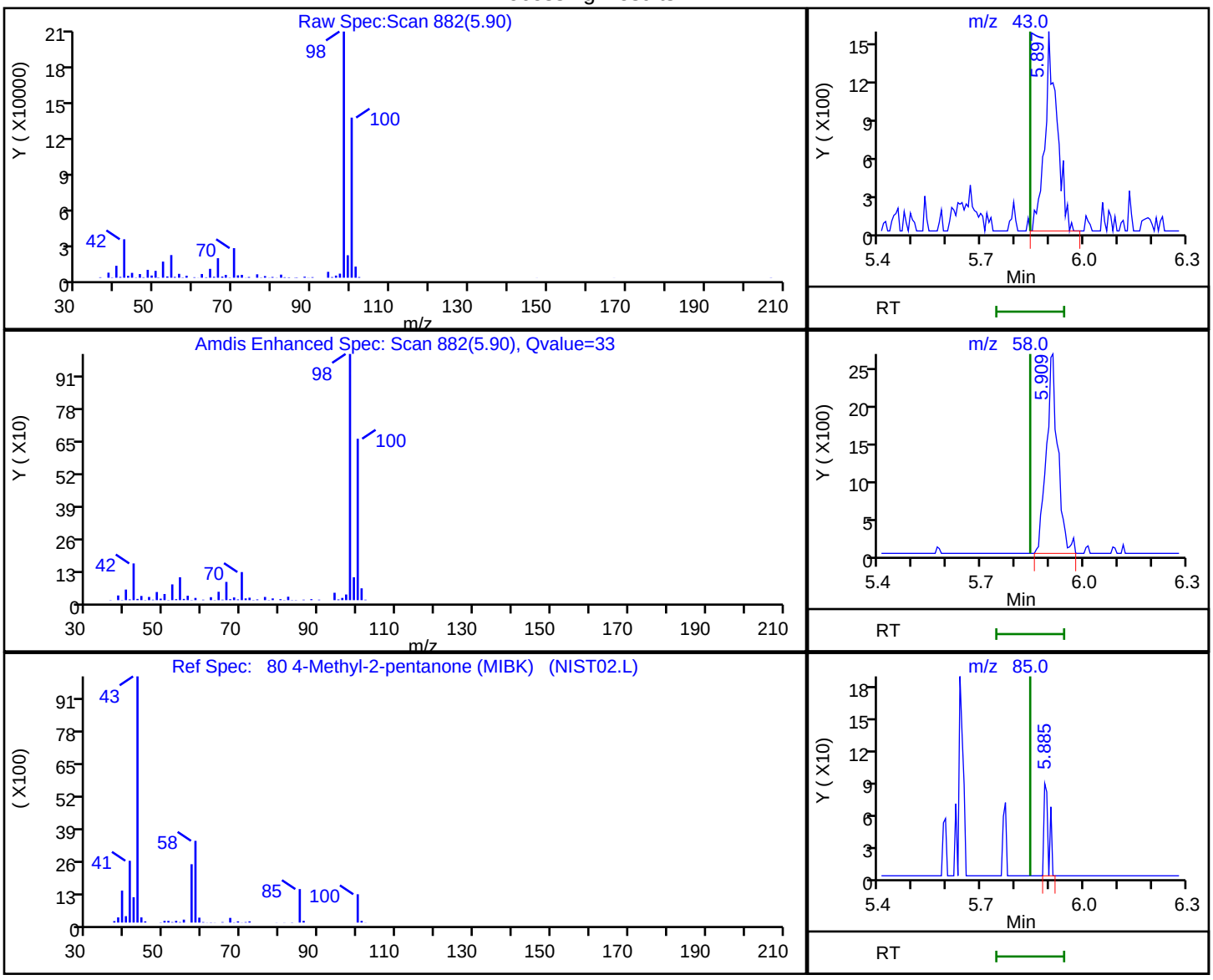
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D				
Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2		
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

80 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.90	43.00	3852	1.097925
5.91	58.00	6133	
5.88	85.00	85	
5.91	100.00	425080	

Reviewer: xuyvo, 02-Jan-2020 11:08:59

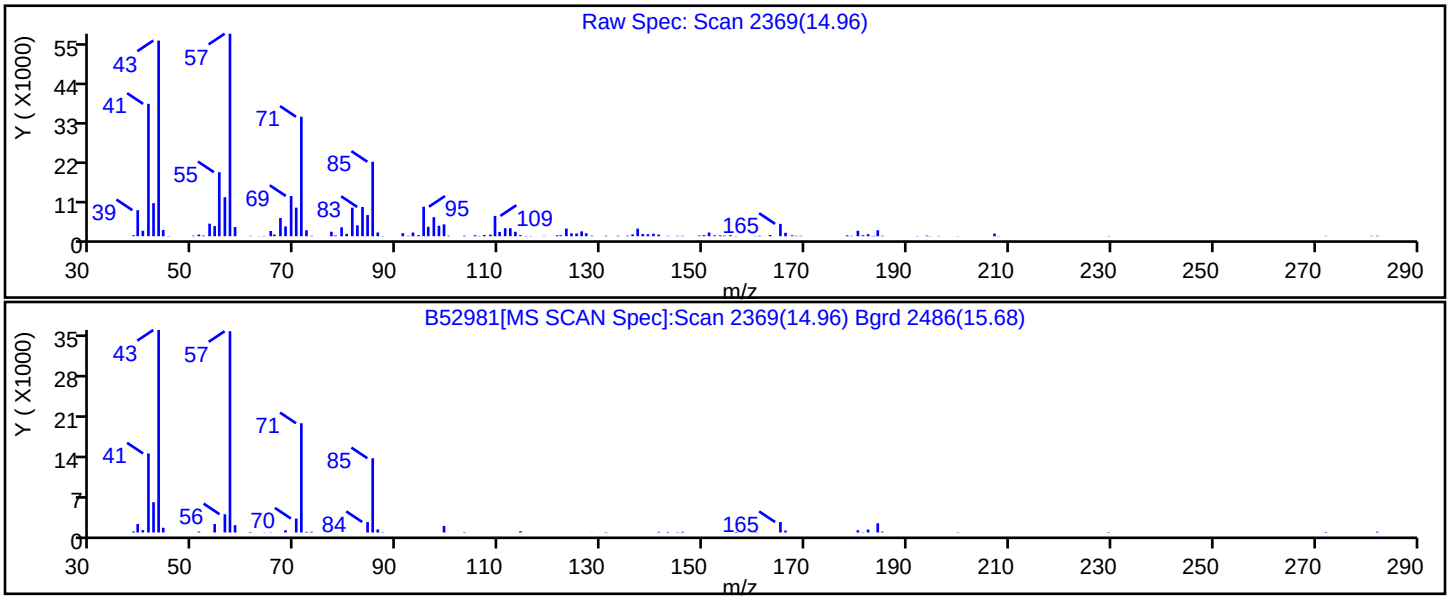
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D				
Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2		
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 70



Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date: 30-Dec-2019 14:23:30 Instrument ID: CVOAMS2

Lims ID: 460-199723-B-2 Lab Sample ID: 460-199723-2

Client ID: MW-1

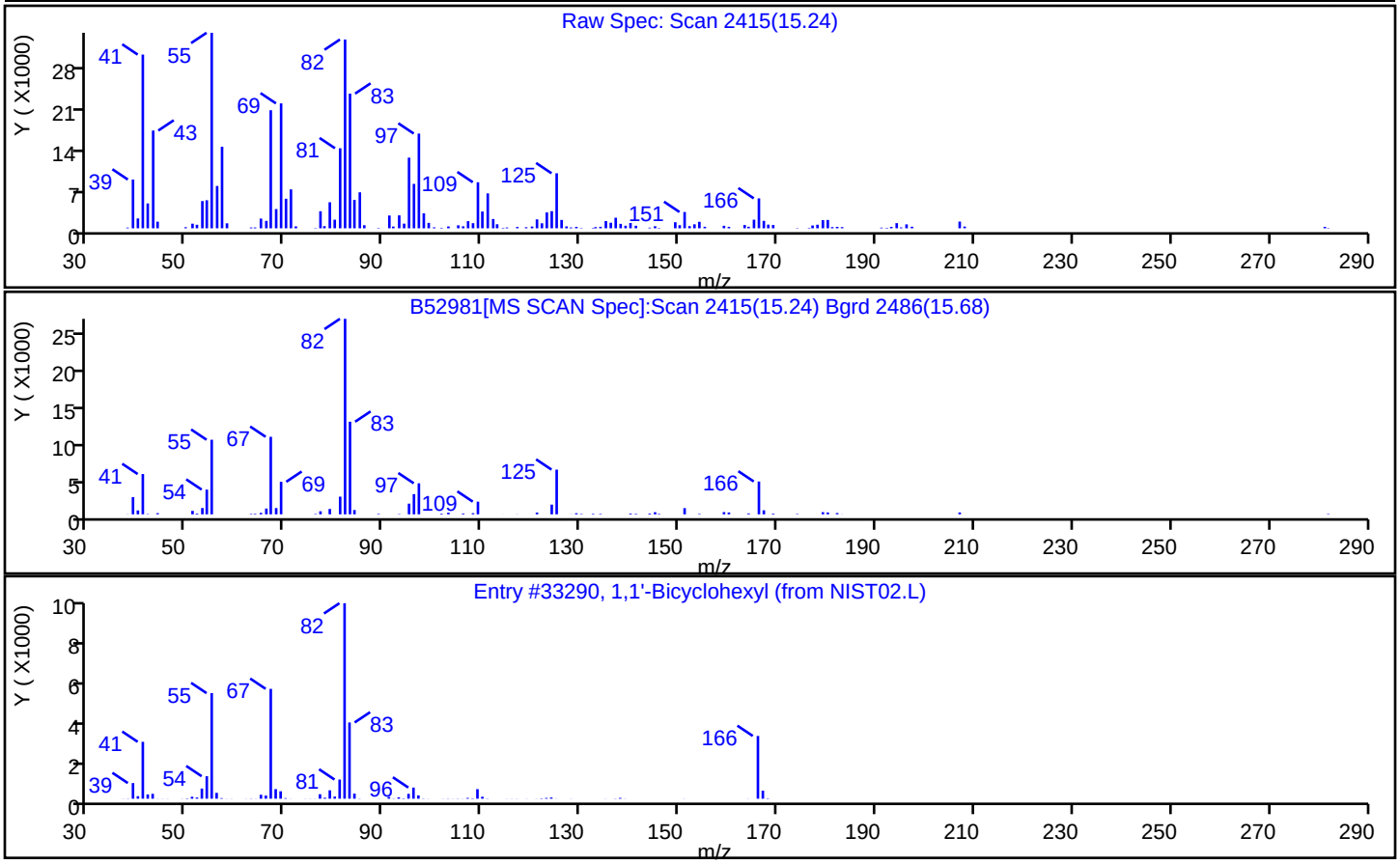
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

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

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
1,1'-Bicyclohexyl	92-51-3	NIST02.L	33290	C12H22	166	87



Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date: 30-Dec-2019 14:23:30 Instrument ID: CVOAMS2

Lims ID: 460-199723-B-2 Lab Sample ID: 460-199723-2

Client ID: MW-1

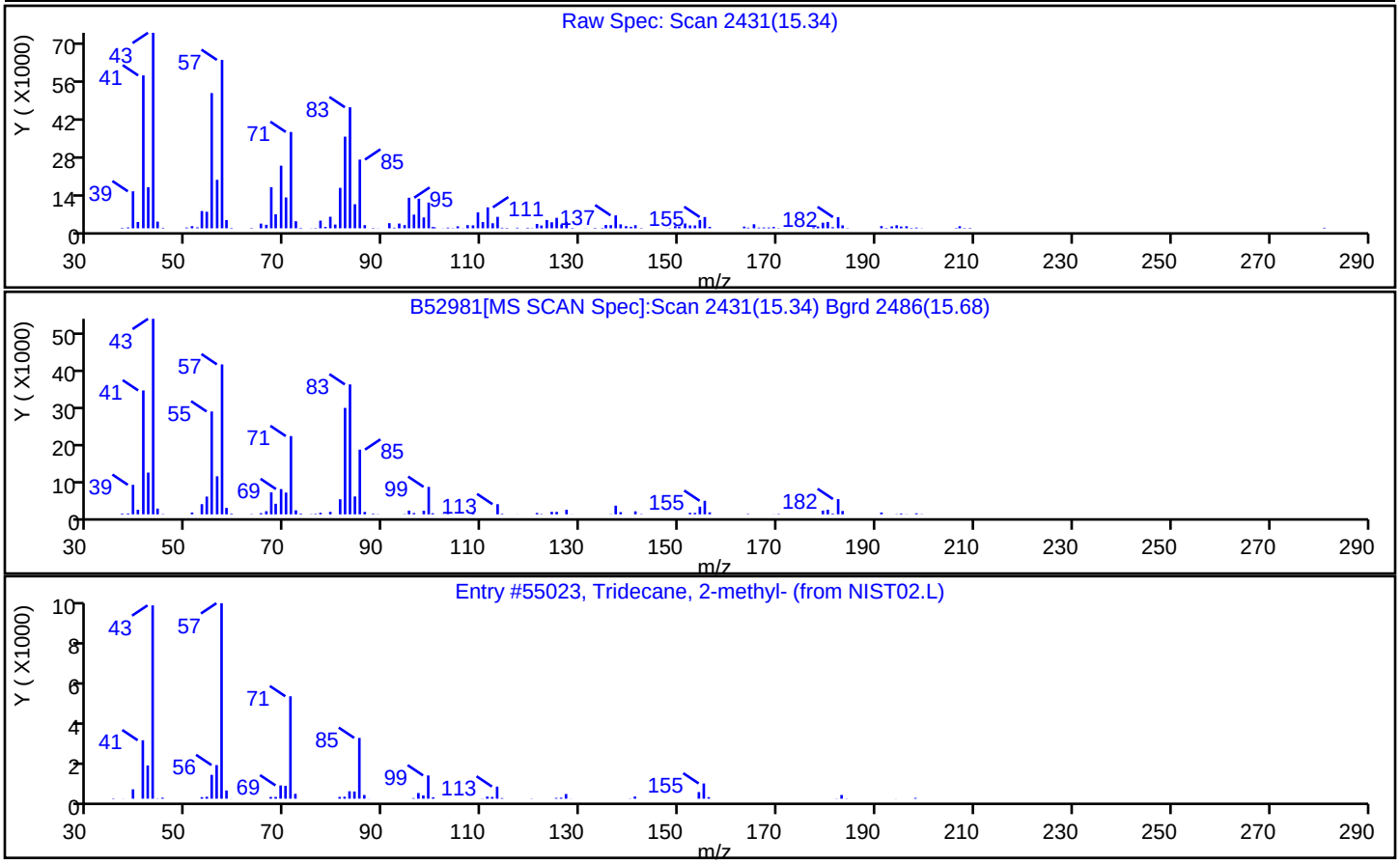
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

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

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Tridecane, 2-methyl-	1560-96-9	NIST02.L	55023	C14H30	198	90



Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date: 30-Dec-2019 14:23:30 Instrument ID: CVOAMS2

Lims ID: 460-199723-B-2 Lab Sample ID: 460-199723-2

Client ID: MW-1

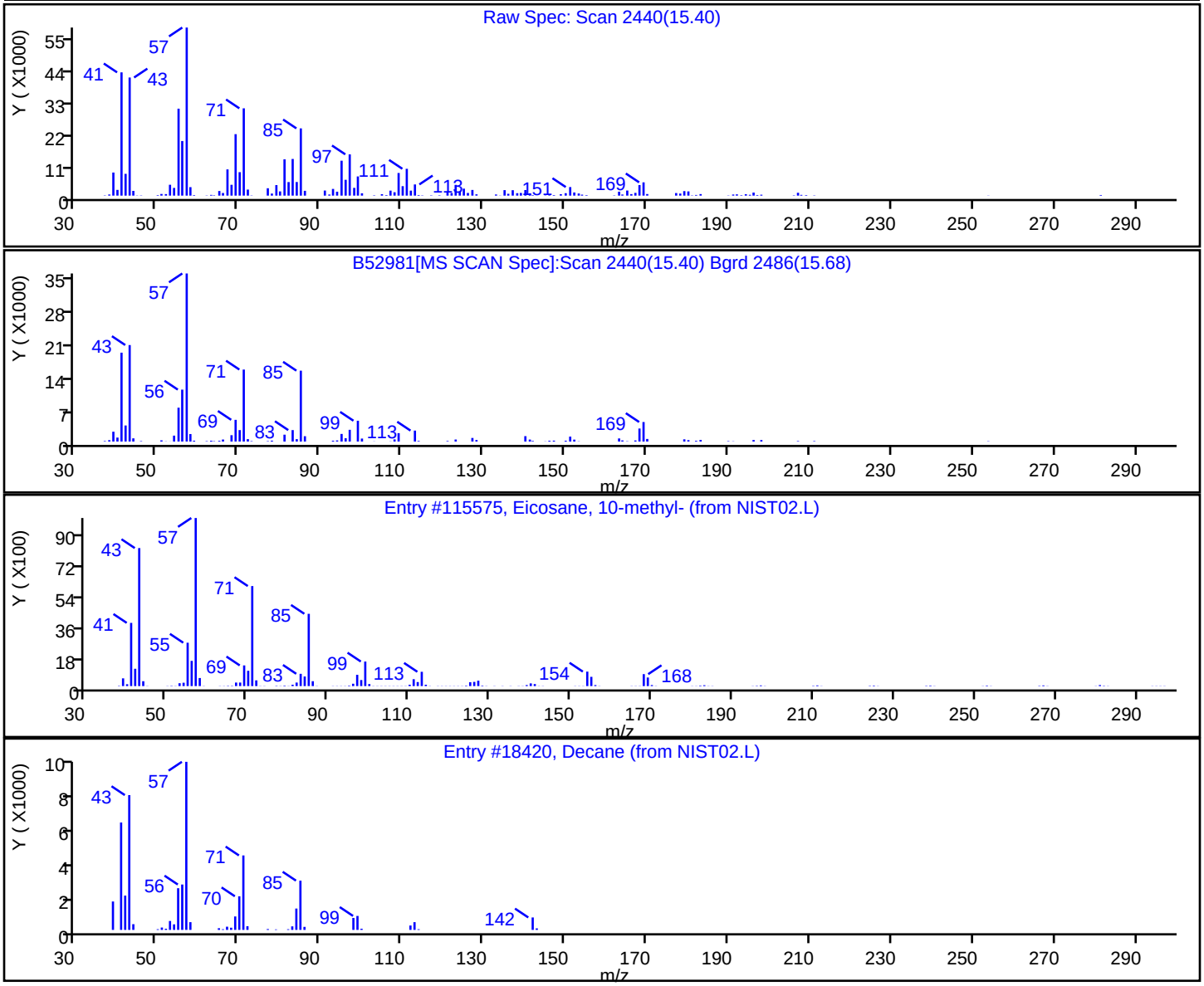
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

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

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Eicosane, 10-methyl-	54833-23-7	NIST02.L	115575	C21H44	296	80
Decane	124-18-5	NIST02.L	18420	C10H22	142	72



Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date: 30-Dec-2019 14:23:30 Instrument ID: CVOAMS2

Lims ID: 460-199723-B-2 Lab Sample ID: 460-199723-2

Client ID: MW-1

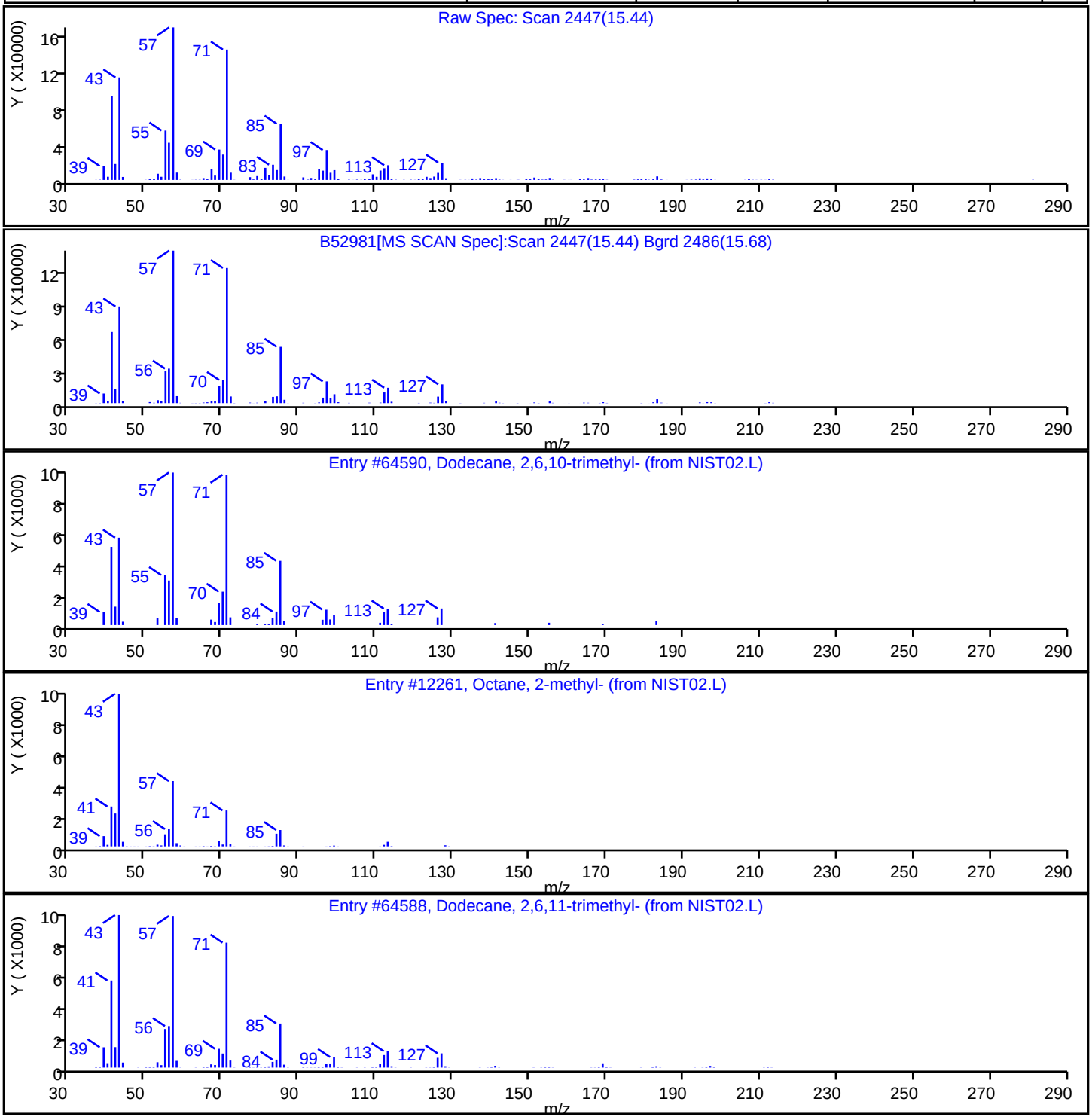
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

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

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.L	64590	C15H32	212	91
Octane, 2-methyl-	3221-61-2	NIST02.L	12261	C9H20	128	81
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.L	64588	C15H32	212	80



Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date: 30-Dec-2019 14:23:30 Instrument ID: CVOAMS2

Lims ID: 460-199723-B-2 Lab Sample ID: 460-199723-2

Client ID: MW-1

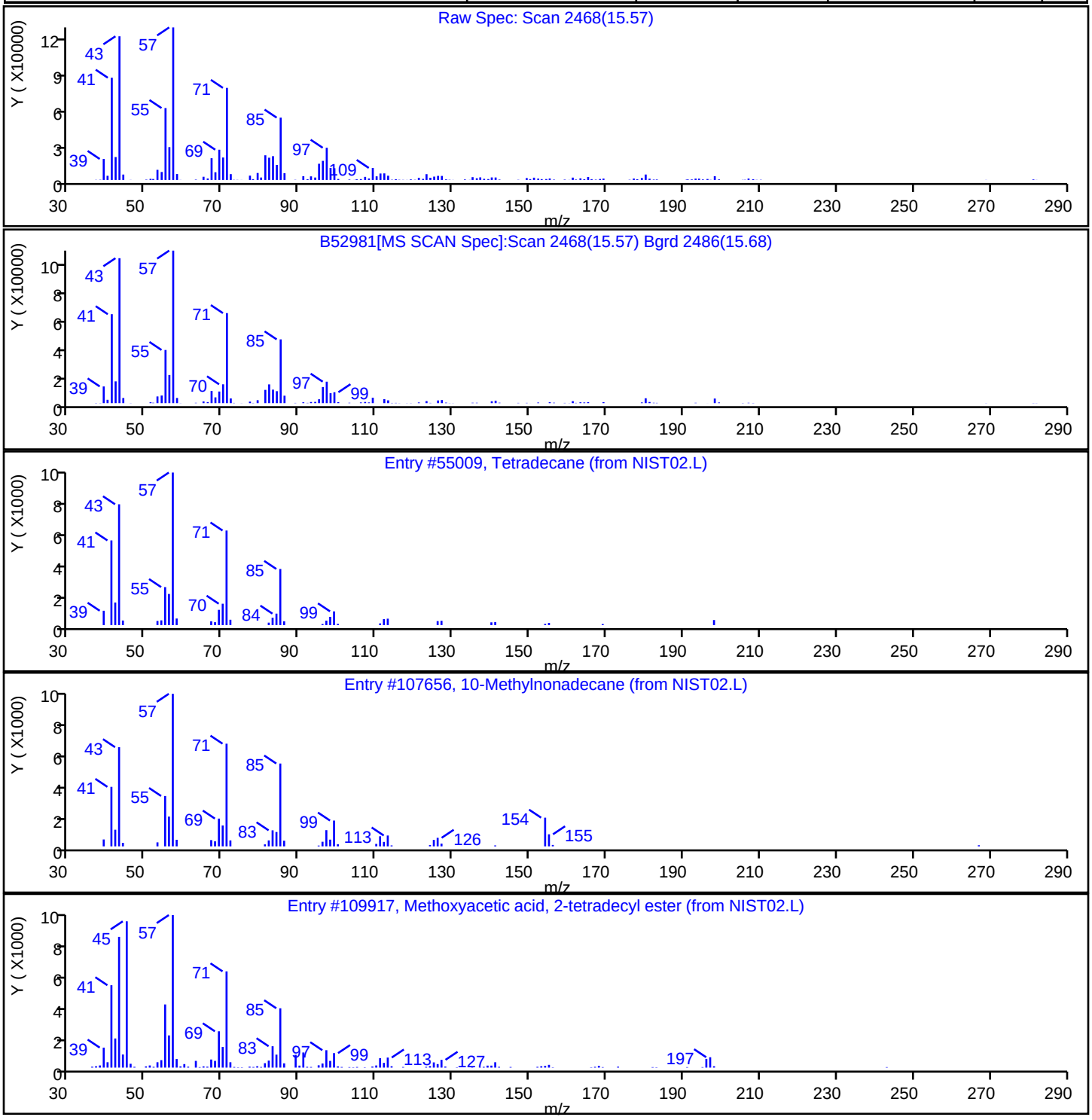
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

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

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Tetradecane	629-59-4	NIST02.L	55009	C14H30	198	83
10-Methylnonadecane	56862-62-5	NIST02.L	107656	C20H42	282	80
Methoxyacetic acid, 2-tetradecyl ester	1000282-04-8	NIST02.L	109917	C17H34O3	286	72

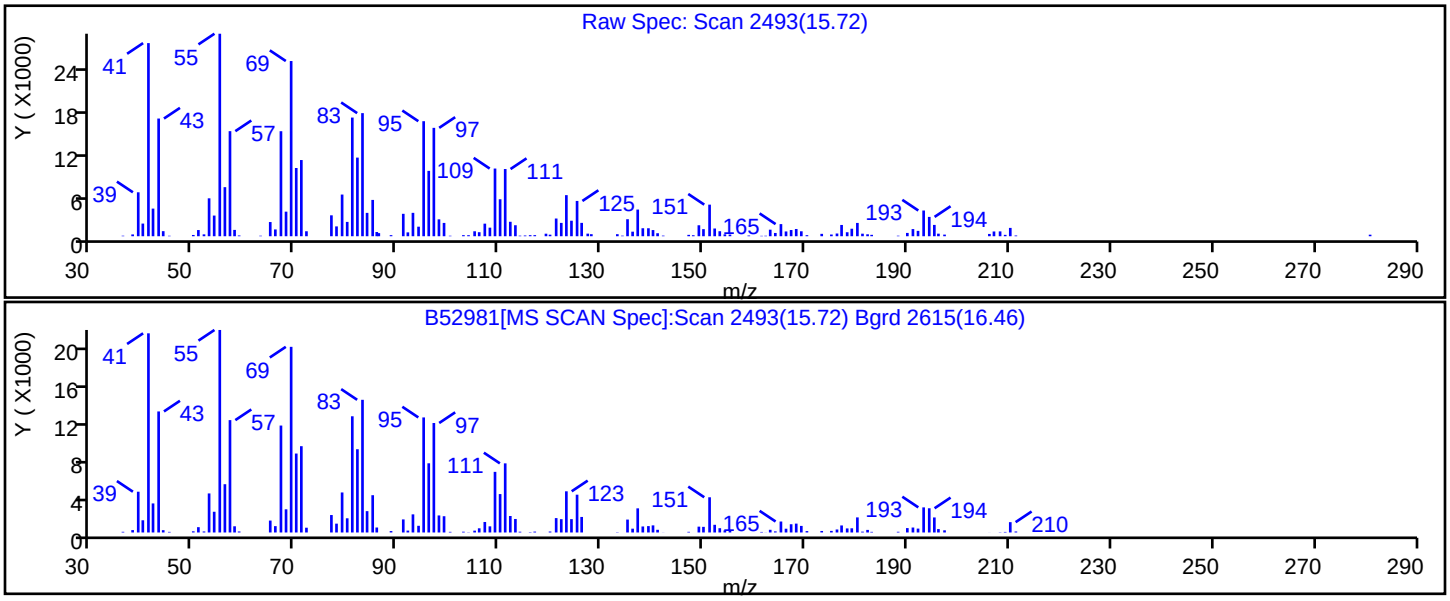


Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D				
Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2		
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 70



Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D

Injection Date: 30-Dec-2019 14:23:30 Instrument ID: CVOAMS2

Lims ID: 460-199723-B-2 Lab Sample ID: 460-199723-2

Client ID: MW-1

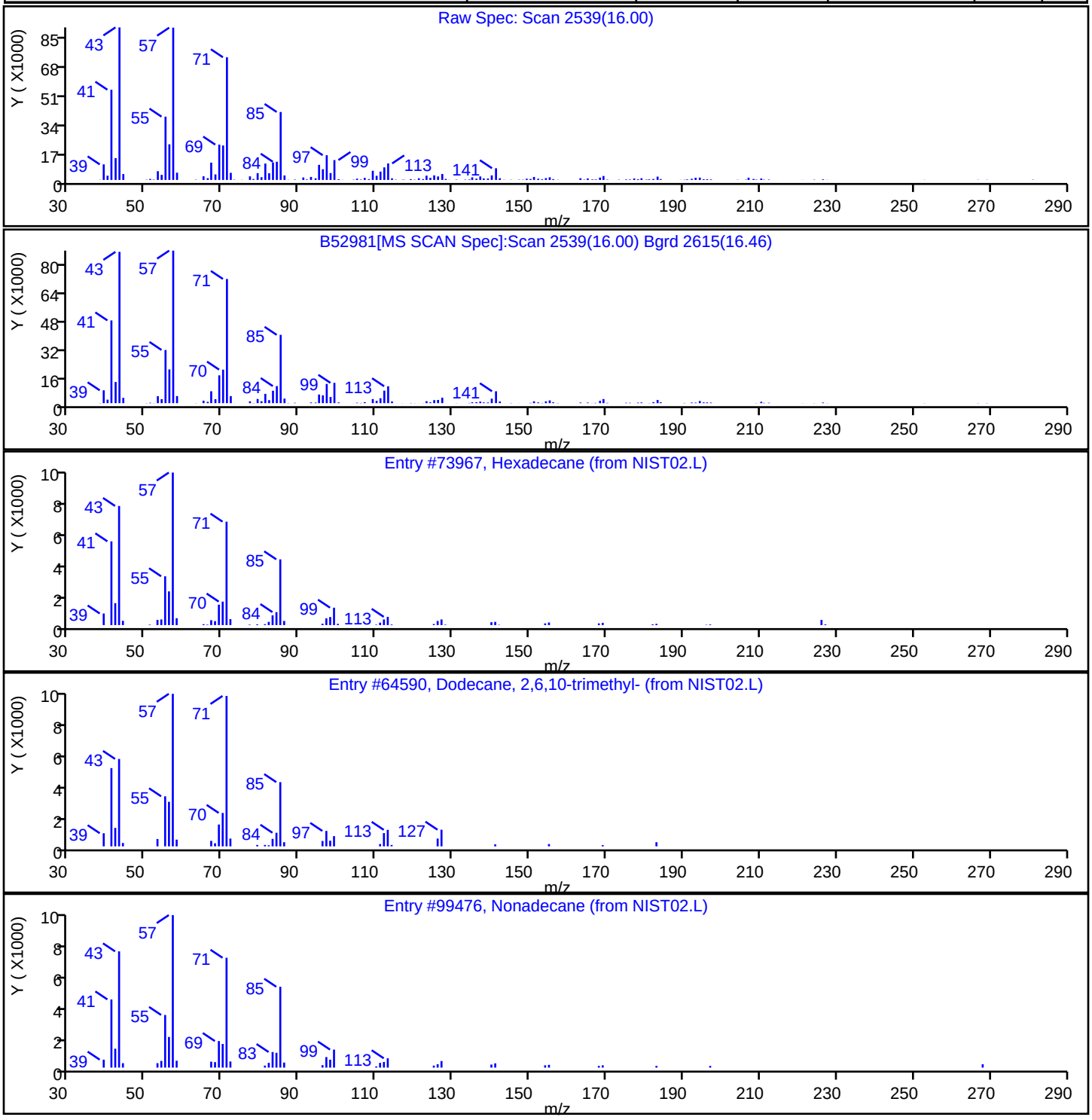
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

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

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Hexadecane	544-76-3	NIST02.L	73967	C16H34	226	91
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST02.L	64590	C15H32	212	90
Nonadecane	629-92-5	NIST02.L	99476	C19H40	268	86

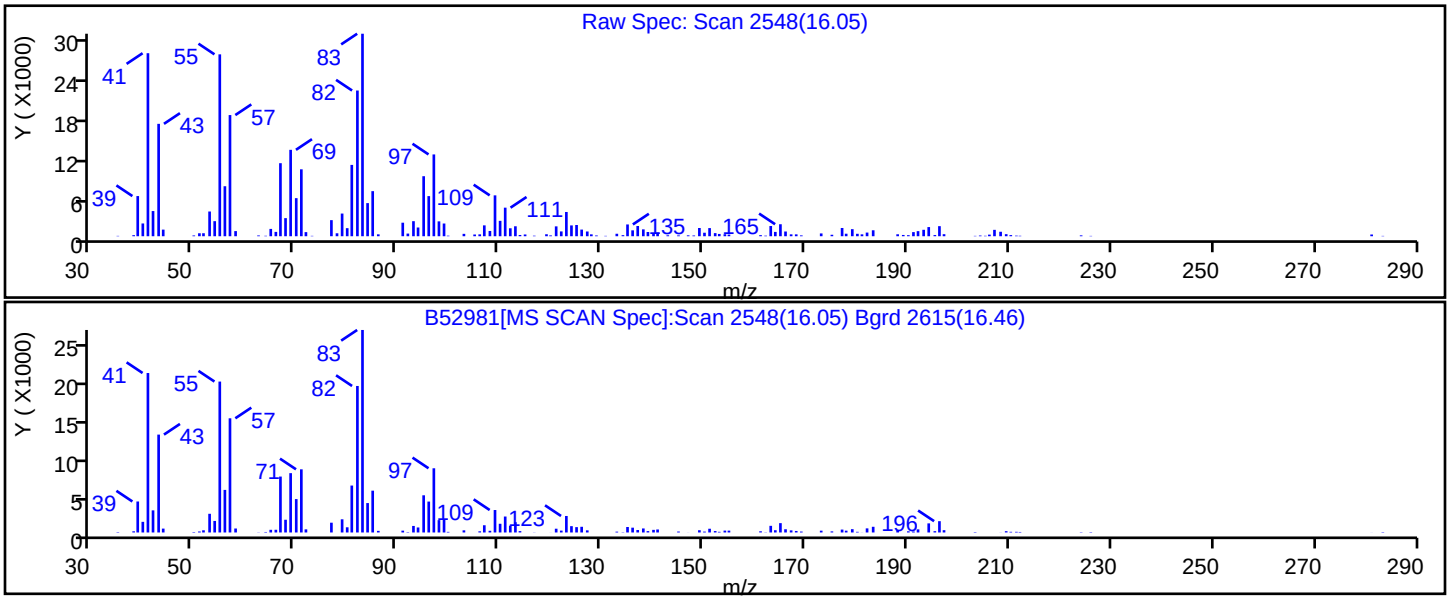


Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D				
Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2		
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 70

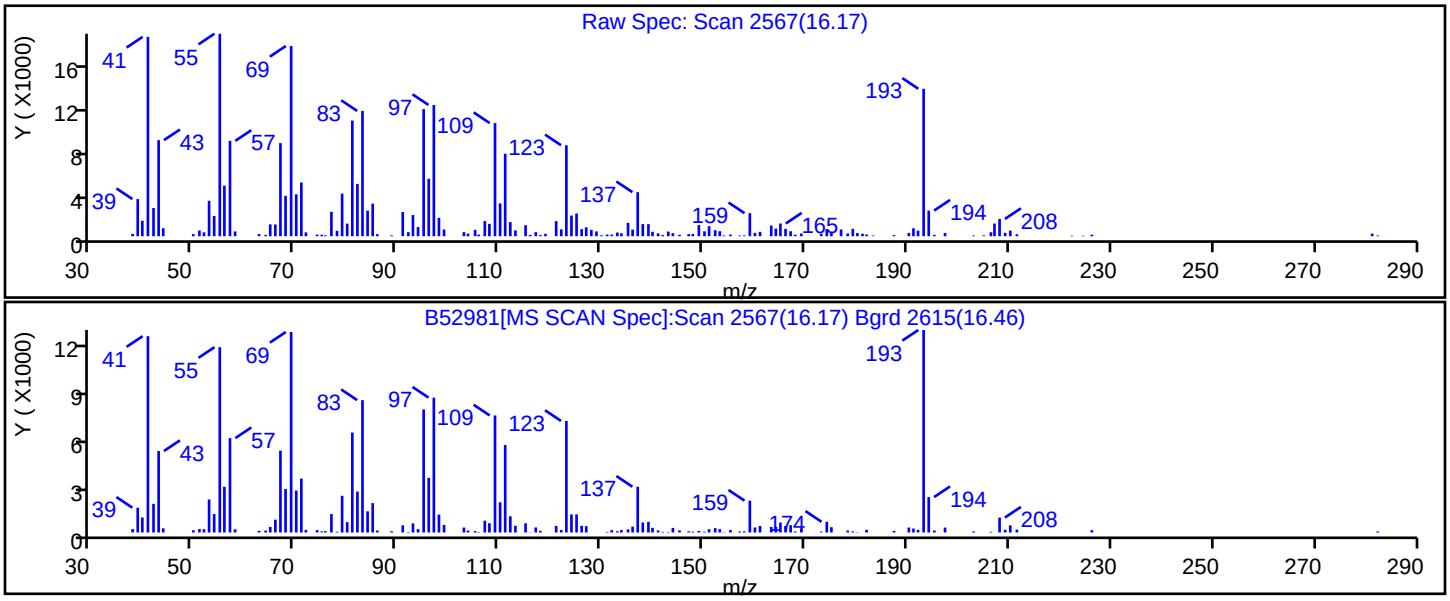


Report Date: 02-Jan-2020 11:09:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52981.D				
Injection Date:	30-Dec-2019 14:23:30	Instrument ID:	CVOAMS2		
Lims ID:	460-199723-B-2	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 70



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: B52982.D

Analysis Method: 8260C Date Collected: 12/23/2019 12:00

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 14:47

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: B52982.D

Analysis Method: 8260C Date Collected: 12/23/2019 12:00

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 14:47

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	105		72-131
2037-26-5	Toluene-d8 (Surr)	109		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: B52982.D

Analysis Method: 8260C Date Collected: 12/23/2019 12:00

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 14:47

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.: 665782 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52982.D				
Lims ID:	460-199723-B-3				
Client ID:	Duplicate				
Sample Type:	Client				
Inject. Date:	30-Dec-2019 14:47:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-199723-B-3				
Misc. Info.:	460-0103638-024				
Operator ID:		Instrument ID:	CVOAMS2		
Method:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	02-Jan-2020 11:09:05	Calib Date:	27-Dec-2019 17:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0308				
First Level Reviewer: xuyvo		Date:	02-Jan-2020 11:09:21		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	1.806	1.806	0.000	0	286715	1000.0	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	326385	250.0	
$ 51 Dibromofluoromethane (Surr	113	3.111	3.117	-0.006	96	212894	52.6	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	245209	50.2	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	549115	50.0	
* 70 1,4-Dioxane-d8	96	4.678	4.666	0.012	0	23344	1000.0	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	680942	54.5	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	88	412828	50.0	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	87	201810	51.7	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	96	235091	50.0	

Reagents:

8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

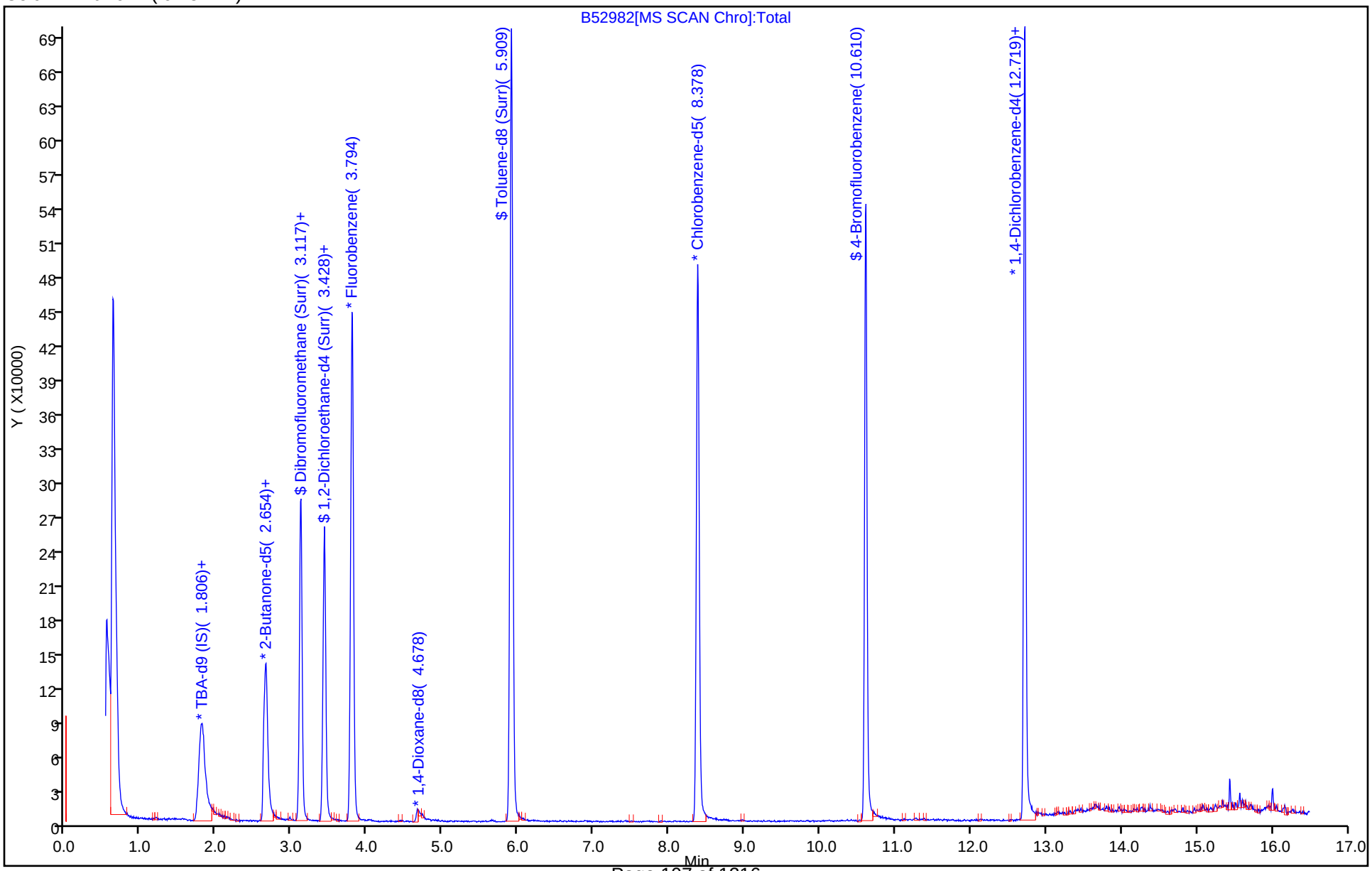
Report Date: 02-Jan-2020 11:09:22 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52982.D

Injection Date:	30-Dec-2019 14:47:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-199723-B-3	Lab Sample ID:	460-199723-3	Worklist Smp#:	24
Client ID:	Duplicate				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-665377/4	B52885.D
Level 2	STD1 460-665377/17	B52898.D
Level 3	STD5 460-665377/6	B52887.D
Level 4	STD20 460-665377/7	B52888.D
Level 5	STD50 460-665377/8	B52889.D
Level 6	STD200 460-665377/18	B52899.D
Level 7	STD500 460-665377/10	B52891.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.1319	0.1561 0.1722	0.1516	0.1453	0.1560	Ave		0.1522				8.8		20.0			
Dichlorodifluoromethane	+++++ 0.4823	0.5385 0.6677	0.5871	0.5630	0.6472	Ave		0.5810			0.1000	11.9		20.0			
Chloromethane	+++++ 0.5657	0.5369 0.6728	0.6620	0.6424	0.7018	Ave		0.6303			0.1000	10.3		20.0			
Butadiene	0.4131 0.2971	0.3231 0.3753	0.3538	0.3484	0.3902	Ave		0.3573				11.1		20.0			
Vinyl chloride	+++++ 0.3634	0.3374 0.4324	0.4104	0.4052	0.4554	Ave		0.4007			0.1000	10.9		20.0			
Bromomethane	+++++ 0.2726	0.3000 0.3183	0.3079	0.2937	0.3291	Ave		0.3036			0.1000	6.5		20.0			
Chloroethane	+++++ 0.1944	0.2178 0.2193	0.2262	0.2161	0.2439	Ave		0.2196			0.1000	7.3		20.0			
Dichlorofluoromethane	+++++ 0.5616	0.5230 0.6379	0.6445	0.6336	0.6877	Ave		0.6147				9.9		20.0			
Trichlorofluoromethane	+++++ 0.5084	0.5133 0.6580	0.6271	0.5878	0.6895	Ave		0.5974			0.1000	12.6		20.0			
Pentane	+++++ 1.3894	1.9900 1.5319	2.0481	1.6178	1.6521	Ave		1.7049				15.3		20.0			
Ethyl ether	+++++ 0.2038	0.2423 0.2238	0.2464	0.2355	0.2282	Ave		0.2300				6.7		20.0			
Ethanol	+++++ 0.0394	0.0138 0.0339	0.0516	0.0408	0.0440	QuaF		0.0434	0						1.0000		0.9900
2-Methyl-1,3-butadiene	+++++ 0.2244	0.2765 0.2760	0.3064	0.2858	0.2731	Ave		0.2737				9.9		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2518	0.2870 0.3132	0.3147	0.3001	0.2736	Ave		0.2900				8.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	+++++ 1.3374	1.9958 1.5128	1.8072	1.9344	1.5483	Ave		1.6893				15.5		20.0			
1,1-Dichloroethene	+++++ 0.2329	0.3001 0.2783	0.2780	0.2725	0.2677	Ave		0.2716			0.1000	8.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2450	0.2935 0.3172	0.3300	0.2946	0.3039	Ave		0.2974			0.1000	9.8		20.0			
Acetone	+++++ 0.8467	0.9503 0.8522	0.9730	0.8484	0.8467	Ave		0.8862			0.0500	6.6		20.0			
Iodomethane	+++++ 0.5505	0.5633 0.6286	0.6020	0.5937	0.5447	Ave		0.5805				5.7		20.0			
Carbon disulfide	+++++ 0.9056	0.9491 0.9923	0.9214	0.8900	0.9068	Ave		0.9275			0.1000	4.0		20.0			
Isopropyl alcohol	+++++ 0.8104	0.5665 0.8663	0.8036	0.6826	0.7871	Ave		0.7528				14.5		20.0			
Acetonitrile	+++++ 0.0197	0.0172 0.0244	0.0243	0.0258	0.0271	Ave		0.0231				16.4		20.0			
Allyl chloride	+++++ 0.1595	0.1853 0.1770	0.1930	0.1687	0.1704	Ave		0.1757				6.9		20.0			
Methyl acetate	+++++ 0.2326	0.1624 0.2800	0.2566	0.2456	0.2684	Ave		0.2409			0.1000	17.4		20.0			
Cyclopentene	+++++ 0.5266	0.6603 0.6593	0.7298	0.6585	0.6452	Ave		0.6466				10.2		20.0			
Methylene Chloride	+++++ 0.2835	0.3662 0.3238	0.3818	0.3326	0.3160	Ave		0.3340			0.1000	10.6		20.0			
2-Methyl-2-propanol	+++++ 1.0125	0.9940 1.1306	1.1332	1.0358	0.9931	Ave		1.0499				6.2		20.0			
Acrylonitrile	0.1167 0.0951	0.0959 0.1089	0.1157	0.1163	0.1098	Ave		0.1083				8.6		20.0			
trans-1,2-Dichloroethene	+++++ 0.2666	0.3146 0.3000	0.3121	0.3062	0.2881	Ave		0.2979			0.1000	6.1		20.0			
Methyl tert-butyl ether	+++++ 0.7240	0.8348 0.7656	0.8566	0.8065	0.7893	Ave		0.7961			0.1000	6.0		20.0			
Hexane	+++++ 0.2131	0.2917 0.2681	0.2966	0.2592	0.2826	Ave		0.2686				11.4		20.0			
1,1-Dichloroethane	+++++ 0.4780	0.5316 0.5438	0.5925	0.5394	0.5368	Ave		0.5370			0.2000	6.8		20.0			
Vinyl acetate	+++++ 1.7763	1.3014 1.7629	1.7505	1.7327	1.5948	Ave		1.6531				11.2		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2331	0.2689 0.2615	0.2674	0.2475	0.2503	Ave		0.2548				5.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

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	+++++ 0.9103	1.0911 1.0607	1.2232	1.1112	1.1024	Ave		1.0831				9.3		20.0			
Tert-butyl ethyl ether	+++++ 0.3218	0.3521 0.3372	0.3557	0.3619	0.3437	Ave		0.3454				4.2		20.0			
2,2-Dichloropropane	+++++ 0.2845	0.2610 0.2824	0.3841	0.3059	0.3047	Ave		0.3038				14.1		20.0			
cis-1,2-Dichloroethene	+++++ 0.2945	0.3425 0.3291	0.3507	0.3237	0.3165	Ave		0.3262			0.1000	6.1		20.0			
2-Butanone (MEK)	+++++ 0.2411	0.1663 0.2474	0.2486	0.2435	0.2163	Ave		0.2272			0.0500	14.1		20.0			
Propionitrile	+++++ 1.4373	1.4013 1.5558	1.3791	1.4960	1.5311	Ave		1.4668				4.9		20.0			
Ethyl acetate	+++++ 0.1920	0.1272 +++++	0.2129	0.1925	0.1810	Ave		0.1811				17.8		20.0			
Methyl acrylate	+++++ 0.0383	0.0254 0.0432	0.0471	0.0410	0.0384	Ave		0.0389				19.1		20.0			
Chlorobromomethane	+++++ 0.1798	0.2350 0.1915	0.1929	0.1816	0.1742	Ave		0.1925				11.4		20.0			
Methacrylonitrile	+++++ 0.1006	0.1013 0.1209	0.1189	0.1177	0.1092	Ave		0.1114				8.1		20.0			
Tetrahydrofuran	+++++ 0.2753	0.2162 0.2872	0.3294	0.3158	0.2690	Ave		0.2822				14.1		20.0			
Chloroform	+++++ 0.4916	0.5712 0.5720	0.6114	0.5599	0.5439	Ave		0.5583			0.2000	7.1		20.0			
1,1,1-Trichloroethane	+++++ 0.4708	0.5734 0.5507	0.5205	0.5120	0.5138	Ave		0.5235			0.1000	6.8		20.0			
Cyclohexane	+++++ 0.3496	0.4441 0.4454	0.4574	0.4343	0.4237	Ave		0.4257			0.1000	9.2		20.0			
1,1-Dichloropropene	+++++ 0.3573	0.4027 0.4266	0.4206	0.3989	0.3752	Ave		0.3969				6.7		20.0			
Carbon tetrachloride	+++++ 0.4230	0.4406 0.4921	0.4676	0.4320	0.4383	Ave		0.4489			0.1000	5.8		20.0			
Benzene	+++++ 1.1646	1.3826 1.3643	1.4651	1.3946	1.3821	Ave		1.3589			0.5000	7.5		20.0			
1,2-Dichloroethane	+++++ 0.4194	0.4766 0.4590	0.4559	0.4433	0.4221	Ave		0.4461			0.1000	5.0		20.0			
Isobutyl alcohol	+++++ 0.0314	+++++ 0.0399	0.0084	0.0256	0.0212	Ave		0.0253				46.5	*	20.0			
2,2,4-Trimethylpentane	+++++ 0.7377	0.9002 1.0066	0.8838	0.8687	0.9030	Ave		0.8833				9.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

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								
Tert-amyl methyl ether	+++++ 0.8254	0.8621 0.9354	0.9301	0.9274	0.9074	Ave		0.8979				5.0		20.0			
Isopropyl acetate	+++++ 0.0904	0.0723 0.1141	0.0865	0.0944	0.0912	Ave		0.0915				14.8		20.0			
n-Heptane	+++++ 0.3260	0.4095 0.4283	0.3967	0.4017	0.4282	Ave		0.3984				9.5		20.0			
Trichloroethene	+++++ 0.2807	0.3407 0.3170	0.3005	0.2937	0.2831	Ave		0.3026			0.2000	7.5		20.0			
n-Butanol	+++++ 0.1146	+++++ 0.1468	0.0651	0.0522	0.0834	Ave		0.0924				41.5	*	20.0			
Methylcyclohexane	+++++ 0.3854	0.4756 0.4855	0.4589	0.4531	0.4675	Ave		0.4543			0.1000	7.9		20.0			
Ethyl acrylate	+++++ 0.5843	0.6058 0.7446	0.6814	0.6901	0.6826	Ave		0.6648				8.9		20.0			
1,2-Dichloropropane	+++++ 0.2635	0.2522 0.2998	0.2836	0.2869	0.2844	Ave		0.2784			0.1000	6.2		20.0			
Dibromomethane	+++++ 0.1934	0.1845 0.2002	0.1927	0.1828	0.1836	Ave		0.1895				3.7		20.0			
1,4-Dioxane	+++++ 1.0316	0.8270 0.9157	0.9769	1.1933	1.0910	Ave		1.0059				12.9		20.0			
Methyl methacrylate	+++++ 0.0661	0.0673 0.0703	0.0551	0.0607	0.0591	Ave		0.0631				9.1		20.0			
n-Propyl acetate	+++++ 0.4255	0.3135 0.4740	0.4018	0.3903	0.3958	Ave		0.4002				13.1		20.0			
Dichlorobromomethane	+++++ 0.3904	0.3659 0.4299	0.3790	0.3616	0.3654	Ave		0.3820			0.2000	6.8		20.0			
2-Nitropropane	+++++ 0.0782	0.0784 0.0844	0.0503	0.0574	0.0641	Ave		0.0688				19.7		20.0			
2-Chloroethyl vinyl ether	+++++ 0.0832	0.0609 +++++	0.0642	0.0733	0.0735	Ave		0.0710				12.4		20.0			
Epichlorohydrin	0.0113 0.0474	0.0176 +++++	0.0305	0.0355	0.0361	QuaF		0.0326	0.0000037						1.0000		0.9900
cis-1,3-Dichloropropene	+++++ 0.5220	0.3888 0.5791	0.4774	0.4895	0.5317	Ave		0.4981			0.2000	12.9		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.6515	2.9307 2.8479	2.5383	2.6237	2.5851	Ave		2.6962			0.0500	5.8		20.0			
Toluene	+++++ 1.2591	1.3681 1.4525	1.4341	1.3886	1.3865	Ave		1.3815			0.4000	4.9		20.0			
trans-1,3-Dichloropropene	+++++ 0.4462	0.3581 0.5281	0.3787	0.3910	0.4559	Ave		0.4263			0.1000	14.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

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								
1,1,2-Trichloroethane	+++++ 0.2223	0.2455 0.2631	0.2379	0.2486	0.2590	Ave		0.2461			0.1000	6.0		20.0			
Ethyl methacrylate	+++++ 0.3868	0.3111 0.4588	0.3817	0.3807	0.4138	Ave		0.3888				12.4		20.0			
Tetrachloroethene	+++++ 0.3508	0.3552 0.4001	0.3677	0.3505	0.3662	Ave		0.3651			0.2000	5.1		20.0			
1,3-Dichloropropane	+++++ 0.4663	0.4459 0.5048	0.4981	0.5095	0.4918	Ave		0.4861				5.1		20.0			
2-Hexanone	+++++ 1.8496	1.4453 1.6682	1.3455	1.5225	1.5200	Ave		1.5585			0.0500	11.4		20.0			
Chlorodibromomethane	+++++ 0.3639	0.3406 0.3960	0.3281	0.3287	0.3438	Ave		0.3502			0.1000	7.4		20.0			
Ethylene Dibromide	+++++ 0.2970	0.2737 0.3229	0.3025	0.3003	0.3034	Ave		0.3000			0.1000	5.3		20.0			
n-Butyl acetate	+++++ 0.0737	0.0469 +++++	0.0672	0.0669	0.0764	Ave		0.0662				17.5		20.0			
Chlorobenzene	+++++ 0.8946	0.9216 0.9680	0.9511	0.8875	0.8553	Ave		0.9130			0.5000	4.6		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3796	0.3465 0.4126	0.3449	0.3423	0.3234	Ave		0.3582				9.0		20.0			
Ethylbenzene	+++++ 0.4833	0.4829 0.5177	0.5086	0.4764	0.4464	Ave		0.4859			0.1000	5.2		20.0			
m-Xylene & p-Xylene	+++++ 0.5954	0.6652 0.6384	0.6184	0.5247	0.5506	Ave		0.5988			0.1000	8.9		20.0			
o-Xylene	+++++ 0.6398	0.6320 0.6652	0.6014	0.5687	0.6241	Ave		0.6219			0.3000	5.4		20.0			
Styrene	+++++ 0.9717	0.8011 1.0356	0.8832	0.8470	0.9649	Ave		0.9173			0.3000	9.6		20.0			
n-Butyl acrylate	+++++ 0.2446	0.1527 0.2607	0.1763	0.1796	0.2355	Qua2	-0.054	0.2026	0.0001326						0.9920		0.9900
Bromoform	+++++ 0.2305	0.1971 0.2440	0.1940	0.1795	0.2129	Ave		0.2097			0.1000	11.6		20.0			
Amyl acetate (mixed isomers)	+++++ 1.3171	0.8235 1.5944	0.9208	1.1896	1.4514	QuaF		1.1700	0.0008463						1.0000		0.9900
Isopropylbenzene	+++++ 1.7222	1.6401 1.7707	1.6327	1.4873	1.7097	Ave		1.6605			0.1000	6.0		20.0			
Bromobenzene	+++++ 0.7100	0.6776 0.8774	0.7734	0.7088	0.8391	Ave		0.7644				10.5		20.0			
1,2,3-Trichloropropane	+++++ 0.2239	0.2111 0.2563	0.2354	0.2398	0.2682	Ave		0.2391				8.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

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								
1,1,2,2-Tetrachloroethane	+++++ 0.7179	0.6455 0.8722	0.7503	0.8165	0.9204	Ave		0.7871			0.3000	13.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2051	0.1027 0.2431	0.1514	0.1864	0.2374	QuaF		0.1869	0.0001120						0.9990		0.9900
N-Propylbenzene	+++++ 0.8046	0.7160 0.9647	0.7323	0.7817	0.9496	Ave		0.8248				13.0		20.0			
2-Chlorotoluene	+++++ 0.7276	0.7227 0.8716	0.6723	0.7293	0.8488	Ave		0.7621				10.4		20.0			
4-Ethyltoluene	+++++ 2.8274	2.6791 3.4413	2.6632	2.9443	3.2692	Ave		2.9707				10.8		20.0			
4-Chlorotoluene	+++++ 2.2259	1.9691 2.7831	2.1722	2.4897	2.7677	Ave		2.4013				13.9		20.0			
1,3,5-Trimethylbenzene	+++++ 2.5442	2.2470 3.1579	2.4248	2.5195	2.9409	Ave		2.6390				12.9		20.0			
Butyl Methacrylate	+++++ 0.7836	0.5267 1.0561	0.6020	0.7362	0.8848	QuaF		0.6370	0.0008360						0.9990		0.9900
tert-Butylbenzene	+++++ 1.3617	1.1357 1.7837	1.2634	1.3237	1.4200	Ave		1.3814				15.9		20.0			
1,2,4-Trimethylbenzene	+++++ 2.5999	2.2929 3.1213	2.4598	2.6090	2.6298	Ave		2.6188				10.6		20.0			
sec-Butylbenzene	+++++ 3.0816	2.6532 3.8256	2.9933	3.0014	3.2973	Ave		3.1421				12.5		20.0			
1,3-Dichlorobenzene	+++++ 1.3553	1.4399 1.5544	1.4717	1.3945	1.3657	Ave		1.4303			0.6000	5.3		20.0			
1,4-Dichlorobenzene	+++++ 1.3699	1.5968 1.5977	1.4847	1.3974	1.3624	Ave		1.4682			0.5000	7.4		20.0			
4-Isopropyltoluene	+++++ 2.8018	2.6820 3.3170	2.5151	2.6371	2.7253	Ave		2.7797				10.1		20.0			
1,2,3-Trimethylbenzene	+++++ 2.8819	2.4309 3.4377	2.6707	2.7589	2.8153	Ave		2.8326				11.8		20.0			
Benzyl chloride	+++++ 0.2810	0.1314 0.3158	0.1390	0.1559	0.2135	QuaF		0.2484	0.0001355						1.0000		0.9900
Indan	+++++ 2.7776	2.6302 3.2702	2.4070	2.7156	2.7929	Ave		2.7656				10.3		20.0			
1,2-Dichlorobenzene	+++++ 1.4722	1.5076 1.7909	1.3246	1.3675	1.6467	Ave		1.5182			0.4000	11.5		20.0			
p-Diethylbenzene	+++++ 1.5564	1.5468 1.9230	1.3180	1.4636	1.7499	Ave		1.5929				13.4		20.0			
n-Butylbenzene	+++++ 1.4544	1.3584 1.8293	1.1998	1.3553	1.6917	Ave		1.4815				15.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.1798	0.1828 0.1899	0.1043	0.1379	0.1787	QuaF		0.1726	0.0000347		0.0500				1.0000		0.9900
1,2,4,5-Tetramethylbenzene	+++++ 3.0624	2.6243 3.2897	2.2857	2.4948	3.2995	Ave		2.8427				15.2		20.0			
1,3,5-Trichlorobenzene	+++++ 1.1780	1.2075 1.4043	1.0479	0.9647	1.3684	Ave		1.1951				14.4		20.0			
1,2,4-Trichlorobenzene	+++++ 1.0824	1.0263 +++++	0.8937	0.8642	1.2648	Ave		1.0263			0.2000	15.7		20.0			
Hexachlorobutadiene	+++++ 0.3872	0.4416 +++++	0.3669	0.2887	0.4774	Ave		0.3924				18.5		20.0			
Naphthalene	+++++ 2.8547	2.4029 3.0605	2.1263	2.2810	3.1758	Ave		2.6502				16.5		20.0			
1,2,3-Trichlorobenzene	+++++ 1.0785	1.2332 1.4239	0.8909	0.8454	1.1967	Ave		1.1114				19.7		20.0			
Dibromofluoromethane (Surr)	0.3706 0.3660	0.3658 0.3903	0.3670	0.3632	0.3553	Ave		0.3683				2.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.4624 0.4357	0.4317 0.4627	0.4496	0.4431	0.4300	Ave		0.4450				3.1		20.0			
Toluene-d8 (Surr)	1.5109 1.4870	1.5307 1.5533	1.5129	1.5147	1.4790	Ave		1.5126				1.7		20.0			
4-Bromofluorobenzene	0.4594 0.4872	0.5266 0.4881	0.4853	0.3818	0.4802	Ave		0.4726				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-665377/4	B52885.D
Level 2	STD1 460-665377/17	B52898.D
Level 3	STD5 460-665377/6	B52887.D
Level 4	STD20 460-665377/7	B52888.D
Level 5	STD50 460-665377/8	B52889.D
Level 6	STD200 460-665377/18	B52899.D
Level 7	STD500 460-665377/10	B52891.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 301049	1662 1193666	9111	35182	96013	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 1100795	5735 4628052	35289	136361	398329	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 1291052	5718 4662820	39795	155593	431959	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	1189 678019	3441 2601253	21269	84377	240133	0.250 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 829376	3593 2996874	24668	98143	280266	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 622136	3195 2205935	18508	71128	202531	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 443667	2320 1519880	13598	52327	150133	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1281683	5570 4421139	38743	153456	423237	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 1160393	5466 4560733	37698	142350	424366	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	+++++ 156127	1023 601861	6628	20188	53096	+++++ 400	2.00 1000	10.0	40.0	100
Ethyl ether	FB	Ave	+++++ 465246	2580 1551420	14809	57034	140433	+++++ 200	1.00 500	5.00	20.0	50.0
Ethanol	TBAd 9	QuaF	+++++ 88660	142 266330	3341	10180	28252	+++++ 8000	40.0 20000	200	800	2000
2-Methyl-1,3-butadiene	FB	Ave	+++++ 512110	2945 1912594	18416	69207	168078	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 574695	3056 2170533	18918	72672	168380	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd 9	Ave	+++++ 75146	2052 237738	11697	24139	49763	+++++ 200	4.00 400	20.0	40.0	100

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	+++++ 531469	3196 1928584	16711	65996	164780	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 559218	3126 2198790	19834	71359	187070	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 1115248	5583 3825706	37813	127967	329078	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 1256421	5999 4356857	36189	143780	335273	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 2066903	10108 6877514	55386	215551	558138	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 455341	1456 1701872	13003	42592	126484	+++++ 2000	10.0 5000	50.0	200	500
Acetonitrile	FB	Ave	+++++ 450729	1834 1689422	14601	62601	166524	+++++ 2000	10.0 5000	50.0	200	500
Allyl chloride	FB	Ave	+++++ 364111	1973 1226473	11601	40862	104902	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 1061789	3459 3881456	30844	118943	330395	+++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	+++++ 1201842	7032 4569560	43868	159481	397126	+++++ 200	1.00 500	5.00	20.0	50.0
Methylene Chloride	FB	Ave	+++++ 647118	3900 2244011	22949	80558	194485	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 568880	2555 2220924	18336	64628	159596	+++++ 2000	10.0 5000	50.0	200	500
Acrylonitrile	FB	Ave	2688 2170027	10213 7551001	69535	281662	675874	2.00 2000	10.0 5000	50.0	200	500
trans-1,2-Dichloroethene	FB	Ave	+++++ 608516	3350 2079449	18760	74158	177317	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl tert-butyl ether	FB	Ave	+++++ 1652343	8890 5306340	51493	195333	485775	+++++ 200	1.00 500	5.00	20.0	50.0
Hexane	FB	Ave	+++++ 486363	3107 1857944	17828	62784	173929	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1090900	5661 3768942	35615	130645	330383	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	TBAd9	Ave	+++++ 199611	669 692602	5665	21621	51255	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 532085	2864 1812653	16071	59934	154040	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 2077623	11620 7351464	73525	269121	678496	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 734451	3750 2337289	21381	87640	211567	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,2-Dichloropropane	FB	Ave	+++++ 649349	2780 1956989	23087	74084	187557	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 672276	3647 2280709	21078	78396	194820	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 317554	977 1110519	9662	36725	84068	+++++ 1000	5.00 2500	25.0	100	250
Propionitrile	TBAd9	Ave	+++++ 807541	3602 3056196	22315	93339	246037	+++++ 2000	10.0 5000	50.0	200	500
Ethyl acetate	BUT	Ave	+++++ 101139	299 +++++	3310	11614	28138	+++++ 400	2.00 +++++	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 87432	270 299653	2834	9936	23648	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobromomethane	FB	Ave	+++++ 410280	2503 1327025	11598	43983	107208	+++++ 200	1.00 500	5.00	20.0	50.0
Methacrylonitrile	FB	Ave	+++++ 2295714	10784 8378141	71480	285021	672338	+++++ 2000	10.0 5000	50.0	200	500
Tetrahydrofuran	BUT	Ave	+++++ 145060	508 515789	5120	19052	41827	+++++ 400	2.00 1000	10.0	40.0	100
Chloroform	FB	Ave	+++++ 1122048	6083 3964366	36752	135595	334754	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 1074576	6107 3816865	31290	123997	316210	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 797827	4729 3087234	27496	105173	260792	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 815540	4289 2956522	25280	96608	230949	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 965528	4692 3410437	28105	104627	269744	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	+++++ 2220423	11466 7916867	67219	255647	646799	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 957303	5076 3180942	27406	107366	259797	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 44076	+++++ 195921	339	3992	8511	+++++ 5000	+++++ 12500	125	500	1250
2,2,4-Trimethylpentane	FB	Ave	+++++ 1683796	9587 6976384	53127	210393	555788	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 1883770	9181 6482937	55906	224603	558486	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 206246	770 790468	5200	22852	56130	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 744132	4361 2968295	23843	97300	263538	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Trichloroethene	FB	Ave	+++++ 640623	3628 2197412	18066	71138	174231	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Ave	+++++ 161036	+++++ 720779	2635	8150	33497	+++++ 5000	+++++ 12500	125	500	1250
Methylcyclohexane	FB	Ave	+++++ 879642	5065 3365047	27585	109744	287757	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 1333569	6452 5160793	40958	167130	420130	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 601493	2686 2077584	17047	69486	175016	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 441375	1965 1387817	11585	44271	112993	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dioxane	DXE	Ave	+++++ 104586	860 422962	2641	12570	31294	+++++ 4000	50.0 10000	100	400	1000
Methyl methacrylate	FB	Ave	+++++ 301765	1434 974650	6619	29393	72791	+++++ 400	2.00 1000	10.0	40.0	100
n-Propyl acetate	FB	Ave	+++++ 971229	3339 3285083	24155	94530	243591	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 890942	3897 2979746	22779	87580	224895	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 357183	1670 1170493	6042	27783	78962	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 190259	650 +++++	3869	17793	45352	+++++ 200	1.00 +++++	5.01	20.0	50.1
Epichlorohydrin	BUT	QuaF	78 249750	413 +++++	4744	21390	56154	5.00 4000	20.0 +++++	100	400	1000
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 995313	3224 3360494	21906	89729	248833	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 3492671	17217 12784719	98646	395726	1004796	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZd5	Ave	+++++ 2400687	11346 8428090	65799	254544	648878	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 850707	2970 3064385	17376	71668	213348	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 423936	2036 1526789	10917	45576	121198	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNZd5	Ave	+++++ 737462	2580 2662330	17515	69794	193672	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZd5	Ave	+++++ 668784	2946 2321683	16872	64259	171389	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZd5	Ave	+++++ 889141	3698 2929353	22854	93400	230153	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Hexanone	BUT	Ave	+++++ 2436362	8491 7488925	52292	229634	590785	+++++ 1000	5.00 2500	25.0	100	250
Chlorodibromomethane	CBNZ d5	Ave	+++++ 693763	2825 2297861	15054	60256	160893	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 566309	2270 1873874	13877	55055	141988	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acetate	CBNZ d5	Ave	+++++ 140596	389 +++++	3084	12267	35772	+++++ 200	1.00 +++++	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1705661	7643 5616996	43637	162694	400296	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 723727	2874 2394264	15826	62752	151372	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 921547	4005 3004031	23335	87323	208894	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1135307	5517 3704188	28373	96184	257703	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1219947	5241 3860191	27593	104244	292095	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1852665	6644 6009361	40523	155275	451587	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Qua2	+++++ 466461	1266 1512847	8091	32925	110229	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 439550	1635 1415932	8901	32910	99658	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	QuaF	+++++ 1435067	4267 4665400	23729	101850	329332	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 3283731	13602 10274750	74912	272653	800149	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 773615	3511 2567339	19929	60685	190396	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 243965	1094 749930	6067	20529	60867	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 782245	3345 2552233	19333	69907	208847	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	QuaF	+++++ 223517	532 711333	3902	15955	53869	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 876685	3710 2822833	18870	66923	215473	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 792716	3745 2550494	17325	62435	192607	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 3080640	13882 10069809	68626	252070	741808	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Chlorotoluene	DCBd 4	Ave	+++++ 2425245	10203 8143995	55975	213153	628019	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 2772044	11643 9240717	62483	215705	667315	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	QuaF	+++++ 853777	2729 3090294	15513	63028	200765	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1483671	5885 5219398	32555	113327	322219	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 2832793	11881 9133589	63387	223367	596734	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 3357662	13748 11194414	77133	256965	748186	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1476659	7461 4548563	37925	119393	309881	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1492585	8274 4675302	38260	119634	309136	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 3052776	13897 9706263	64812	225773	618407	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 3140037	12596 10059351	68821	236204	638815	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	QuaF	+++++ 306183	681 924127	3582	13347	48454	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 3026415	13629 9569222	62026	232493	633738	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1604016	7812 5240431	34132	117080	373643	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 1695771	8015 5626982	33962	125306	397071	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1584678	7039 5352836	30916	116033	383861	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	QuaF	+++++ 195891	947 555807	2688	11809	40557	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 3336676	13598 9626360	58899	213593	748698	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 1283477	6257 4109321	27003	82589	310513	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1179327	5318 +++++	23029	73985	286988	+++++ 200	1.00 +++++	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 421912	2288 +++++	9454	24718	108337	+++++ 200	1.00 +++++	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 3110409	12451 8955728	54791	195285	720630	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665377

SDG No.:

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

Calibration Start Date: 12/27/2019 11:43 Calibration End Date: 12/27/2019 17:40 Calibration ID: 77942

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
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 1175097	6390 4166467	22957	72380	271553	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	213371 208847	194803 270531	220598	219909	218683	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	266213 248612	229878 320710	270270	268317	264654	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	662387 708799	634722 901345	694144	694192	692148	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	201394 232209	218342 283241	222666	174966	224726	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: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Dec-2019 11:43:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0103524-004
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 31-Dec-2019 09:41:42 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: martineze Date: 27-Dec-2019 15:53:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Butadiene	54	0.855	0.862	-0.007	21	1189	0.2500	0.2890	a
* 27 TBA-d9 (IS)	65	1.800	1.794	0.006	0	273164	1000.0	1000.0	
31 Acrylonitrile	53	1.892	1.892	0.000	33	2688	2.00	2.15	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	344451	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	96	213371	50.0	50.3	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	266213	50.0	52.0	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	575681	50.0	50.0	
* 70 1,4-Dioxane-d8	96	4.666	4.672	-0.006	0	22621	1000.0	1000.0	M
78 Epichlorohydrin	62	5.440	5.422	0.018	15	78	5.00	1.73	Ma
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	662387	50.0	49.9	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	87	438412	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	10.610	10.604	0.006	90	201394	50.0	48.6	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	97	236912	50.0	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS Hi_00338	Amount Added:	0.00	Units: uL	
MIX I Hi_00120	Amount Added:	0.00	Units: uL	
Ethanol mix_00035	Amount Added:	0.00	Units: uL	
ACROLEIN W_00100	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00068	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00093	Amount Added:	0.00	Units: uL	
524freon_00016	Amount Added:	0.00	Units: uL	
8FreonHi_00012	Amount Added:	0.00	Units: uL	
14DIOXINTER_00109	Amount Added:	0.00	Units: uL	
8260MIX1COMB_00110	Amount Added:	0.00	Units: uL	
GASES Li_00347	Amount Added:	2.50	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 31-Dec-2019 09:41:45 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D

Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2 Operator ID:

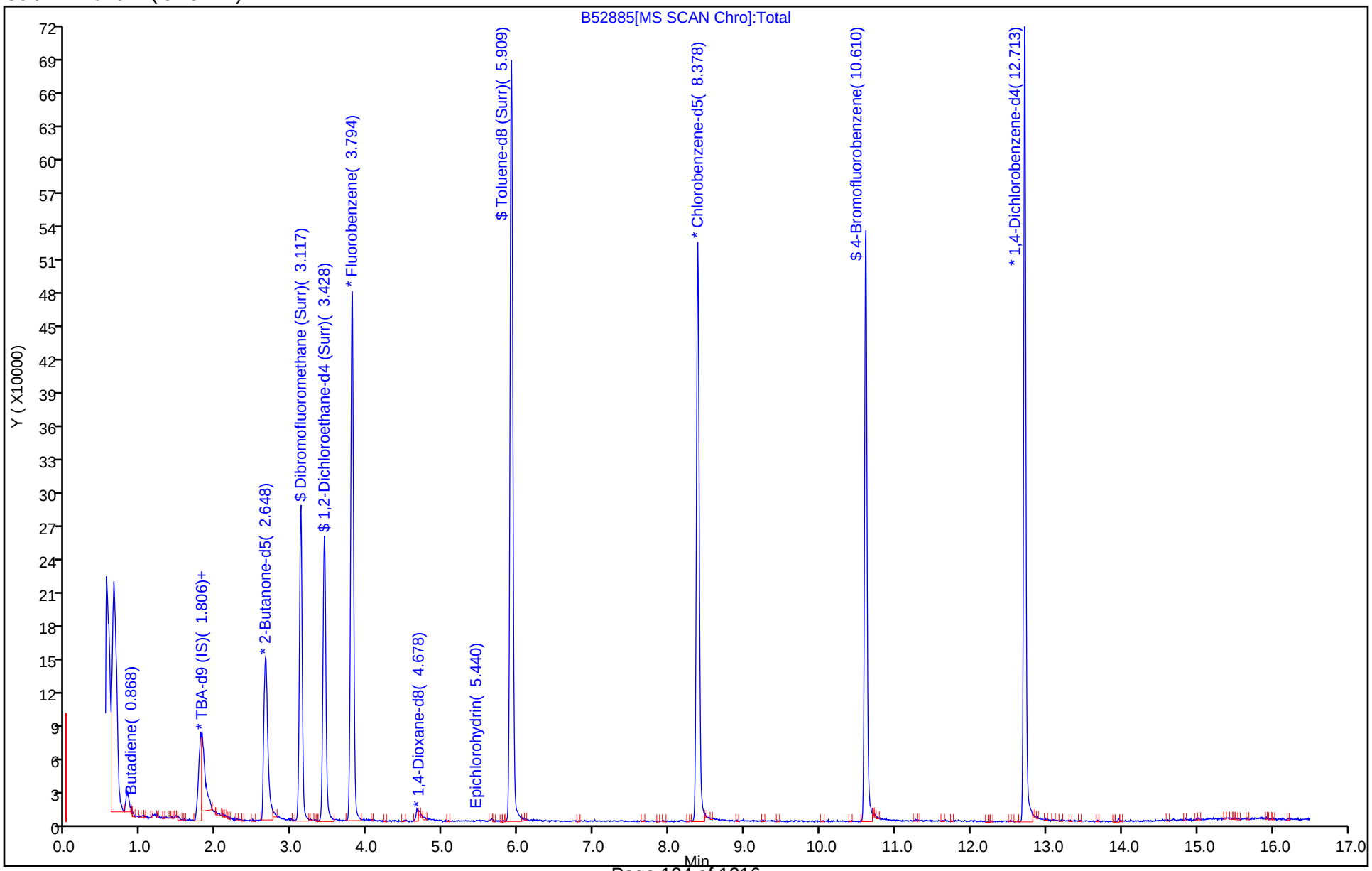
Lims ID: STD7 Worklist Smp#: 4

Client ID:

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

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

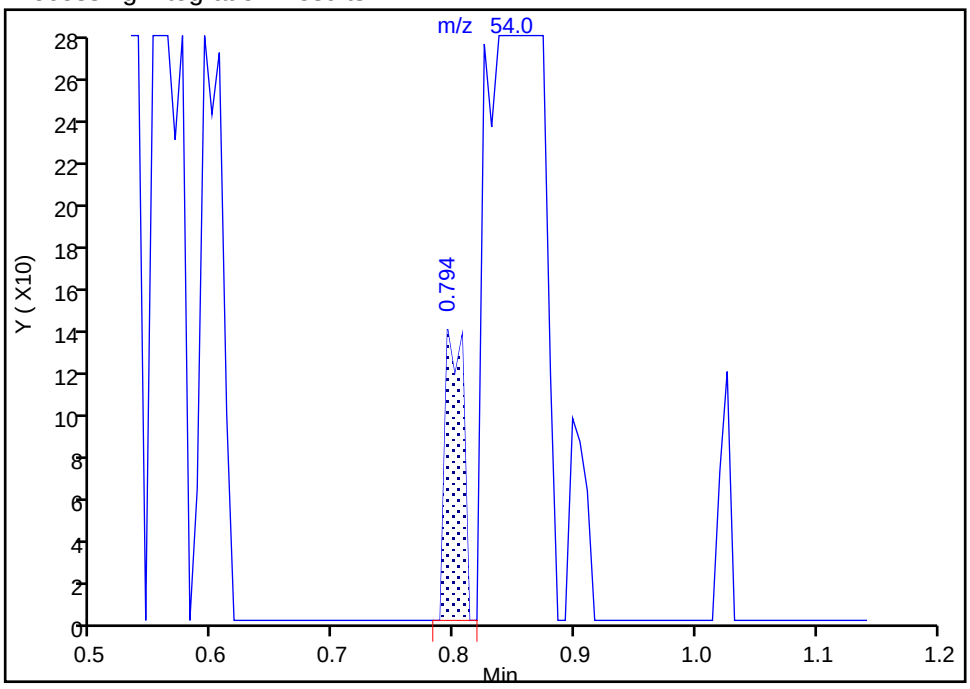
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 Butadiene, CAS: 106-99-0

Signal: 1

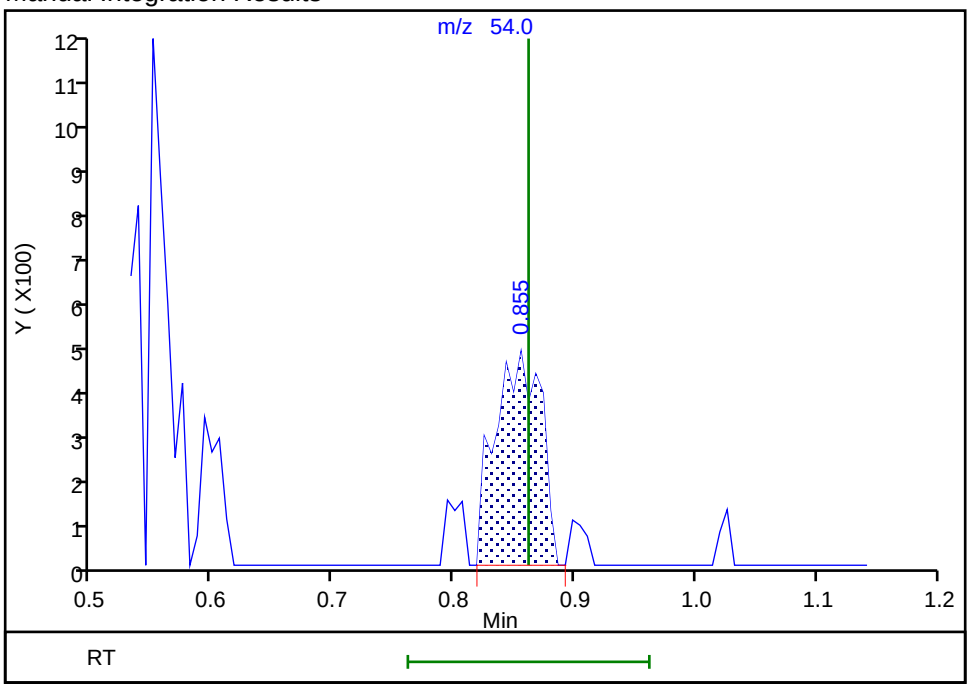
Processing Integration Results

RT: 0.79
Area: 141
Amount: 0.030031
Amount Units: ug/l



Manual Integration Results

RT: 0.86
Area: 1189
Amount: 0.289044
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:38:25
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

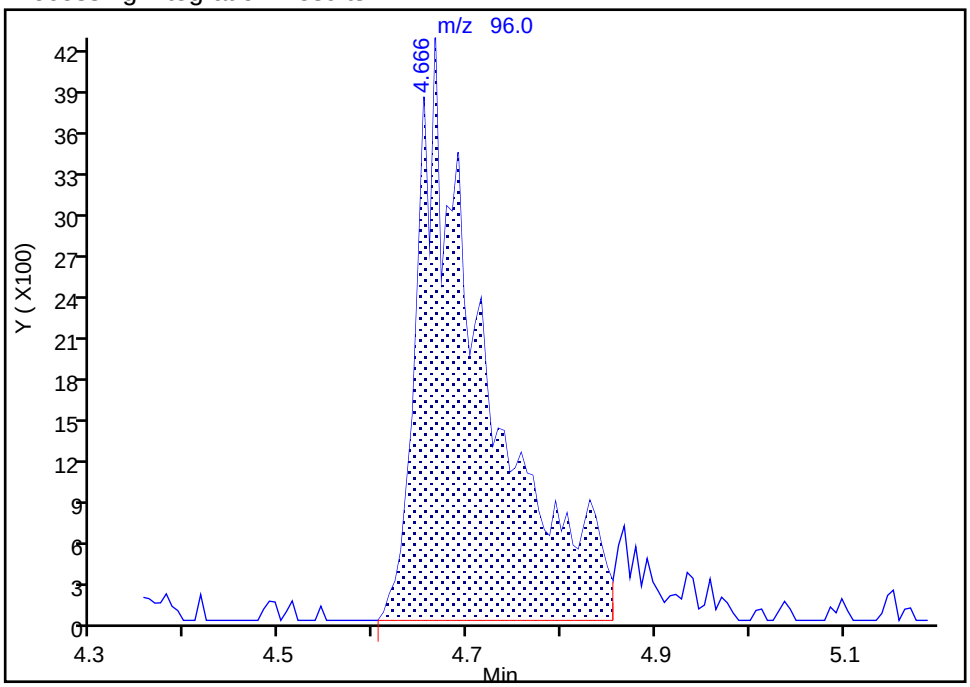
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 70 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

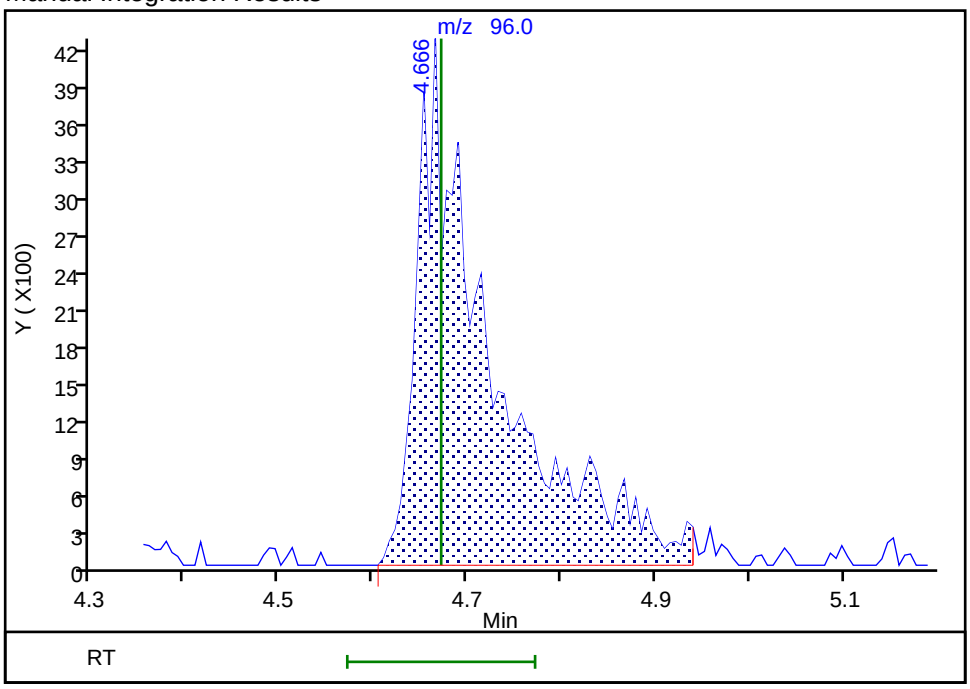
Processing Integration Results

RT: 4.67
Area: 20953
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.67
Area: 22621
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:38:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

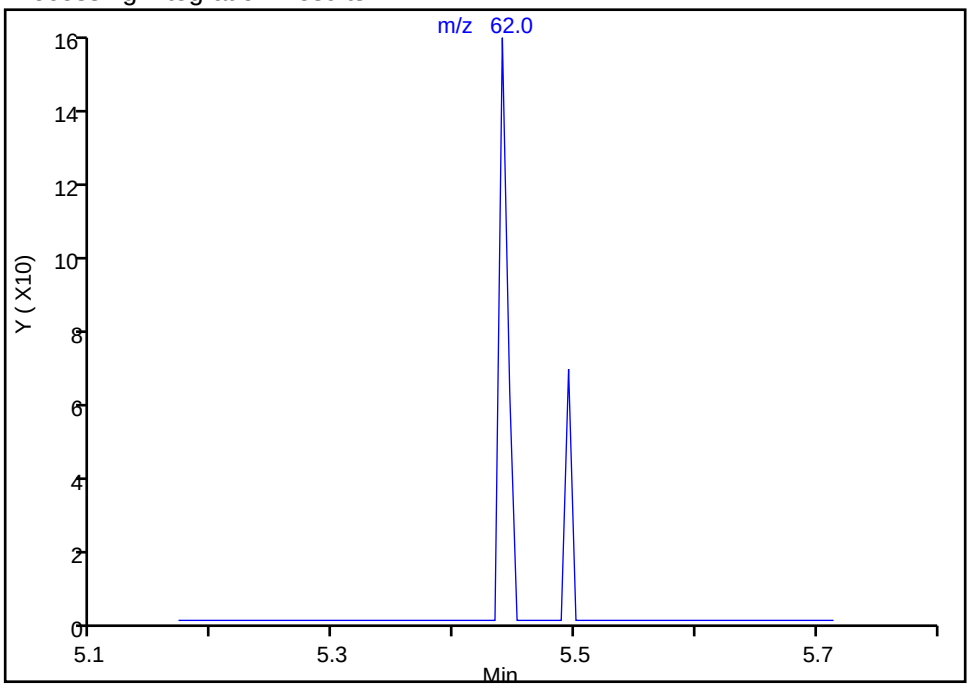
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

78 Epichlorohydrin, CAS: 106-89-8

Signal: 1

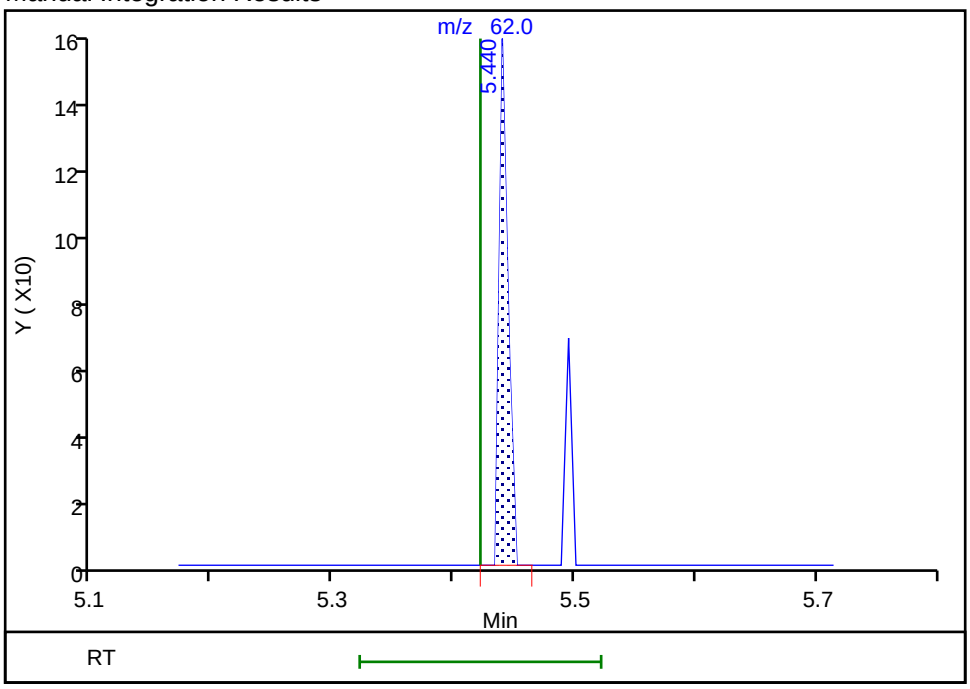
Not Detected
Expected RT: 5.42

Processing Integration Results



Manual Integration Results

RT: 5.44
Area: 78
Amount: 1.733841
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:39:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

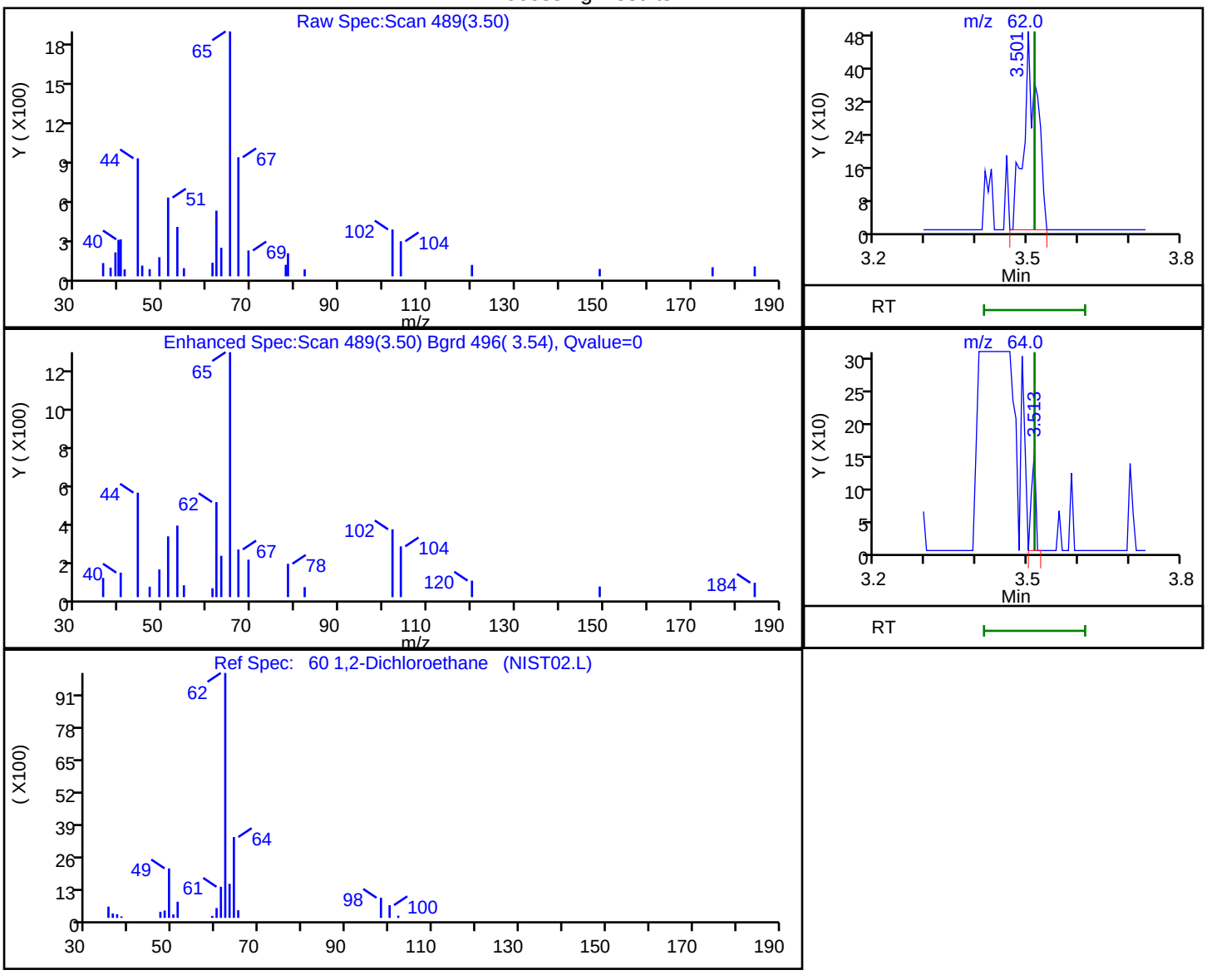
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

60 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
3.50	62.00	892	0.174693
3.51	64.00	90	

Reviewer: delpolitov, 31-Dec-2019 08:38:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

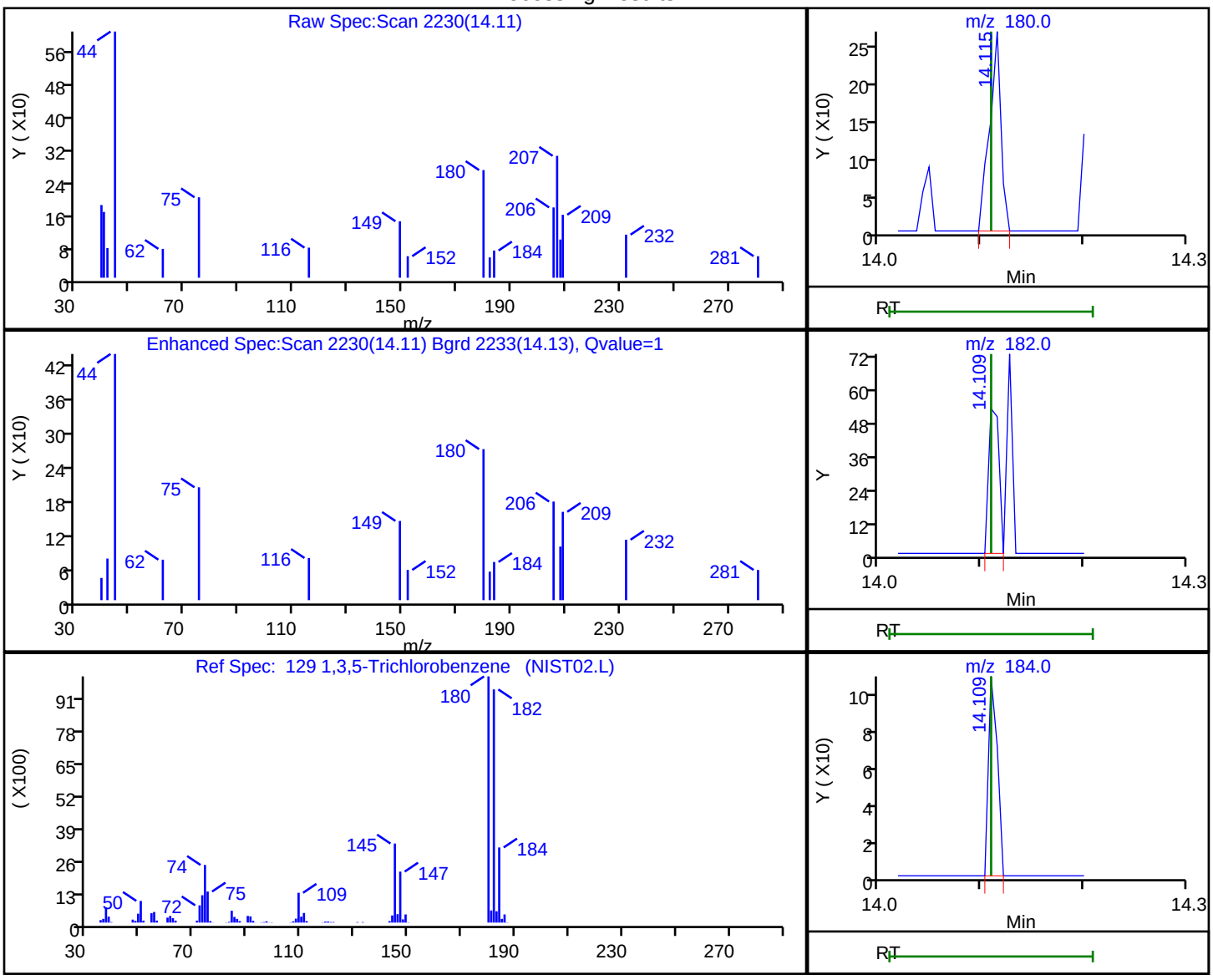
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D		
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	3 Worklist Smp#: 4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

129 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
14.11	180.00	207	0.036554
14.11	182.00	38	
14.11	184.00	62	

Reviewer: delpolitov, 31-Dec-2019 08:39:12

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

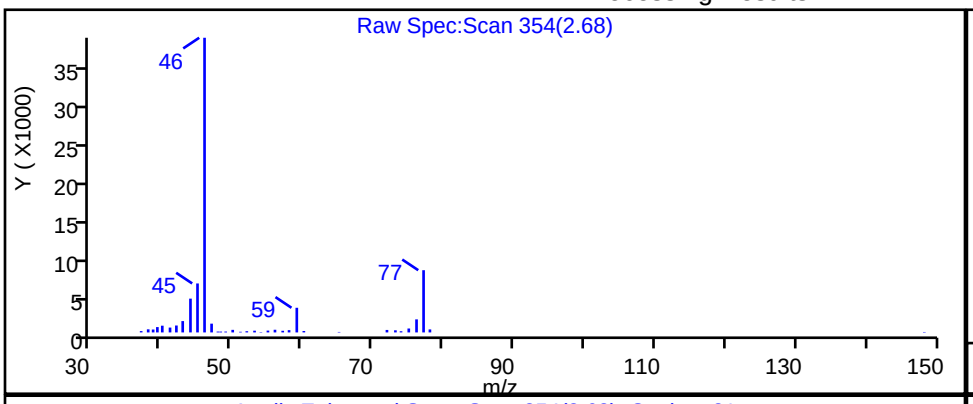
User Disabled Compound Report

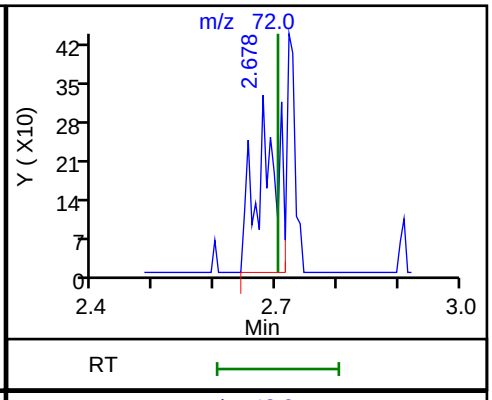
Eurofins TestAmerica, Edison

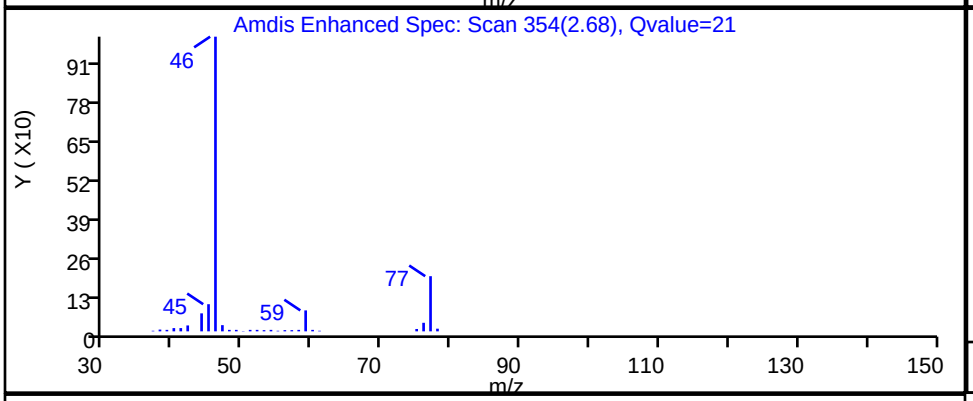
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D				
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

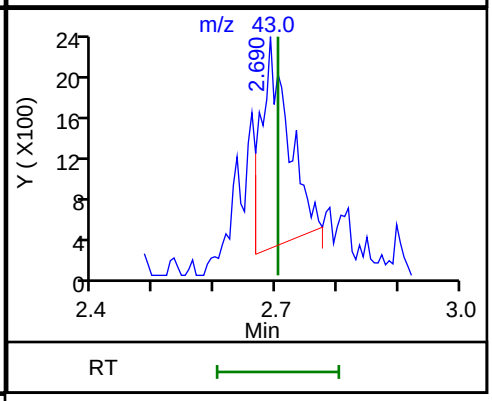
41 2-Butanone (MEK), CAS: 78-93-3

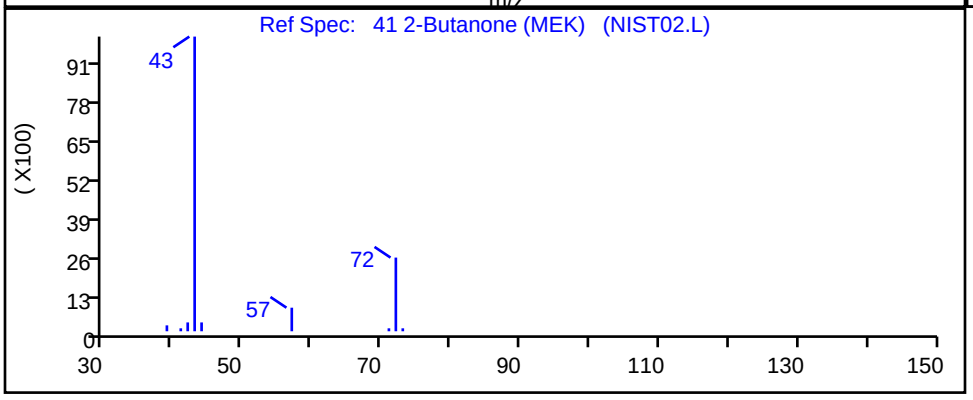
Processing Results











RT	Mass	Response	Amount
2.68	72.00	728	2.416264
2.69	43.00	6341	

Reviewer: delpolitov, 31-Dec-2019 08:38:43

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

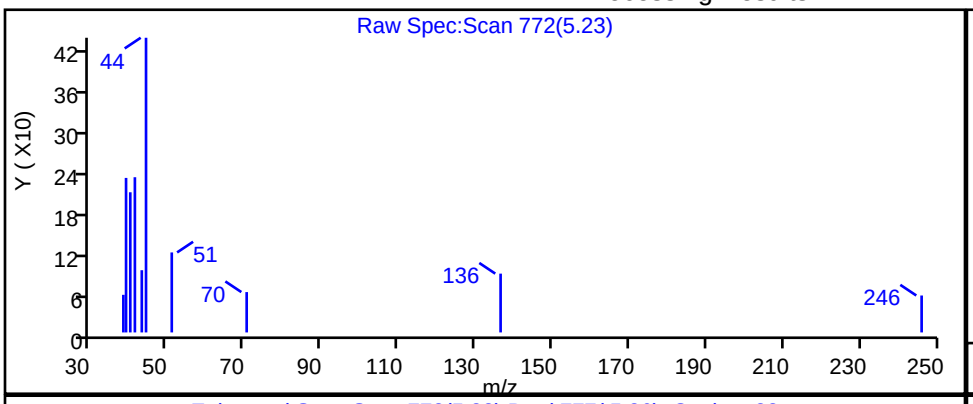
User Disabled Compound Report

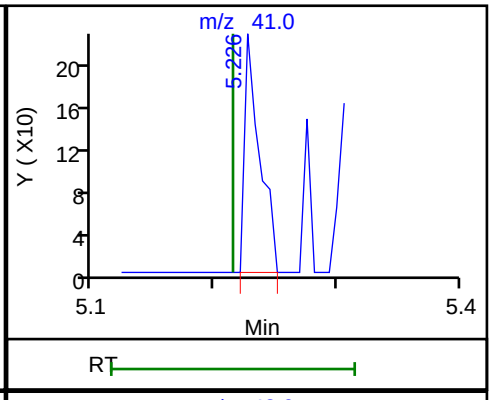
Eurofins TestAmerica, Edison

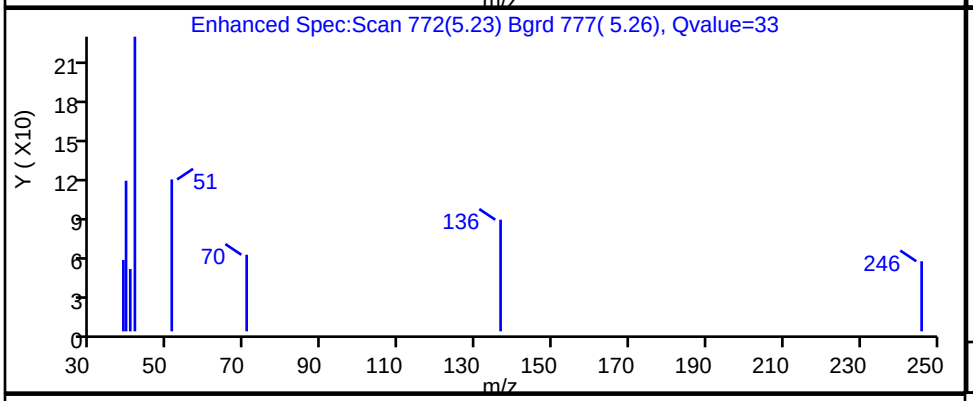
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D				
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

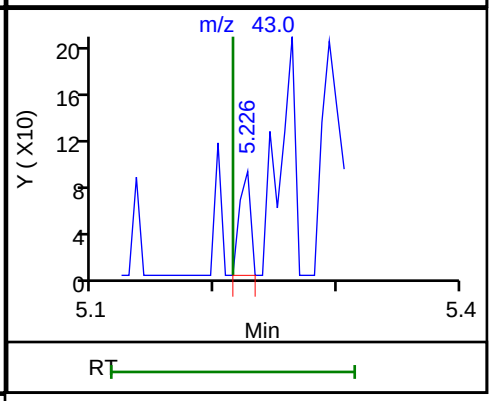
76 2-Nitropropane, CAS: 79-46-9

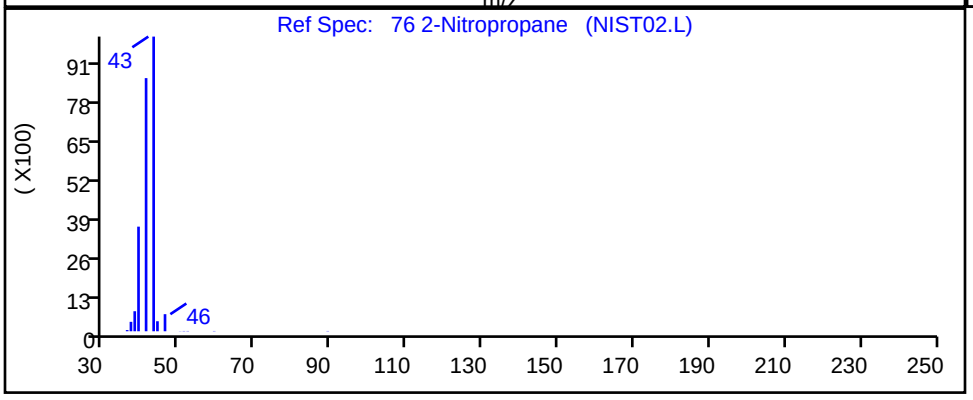
Processing Results











RT	Mass	Response	Amount
5.23	41.00	195	0.290559
5.23	43.00	57	

Reviewer: delpolitov, 31-Dec-2019 08:38:50

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

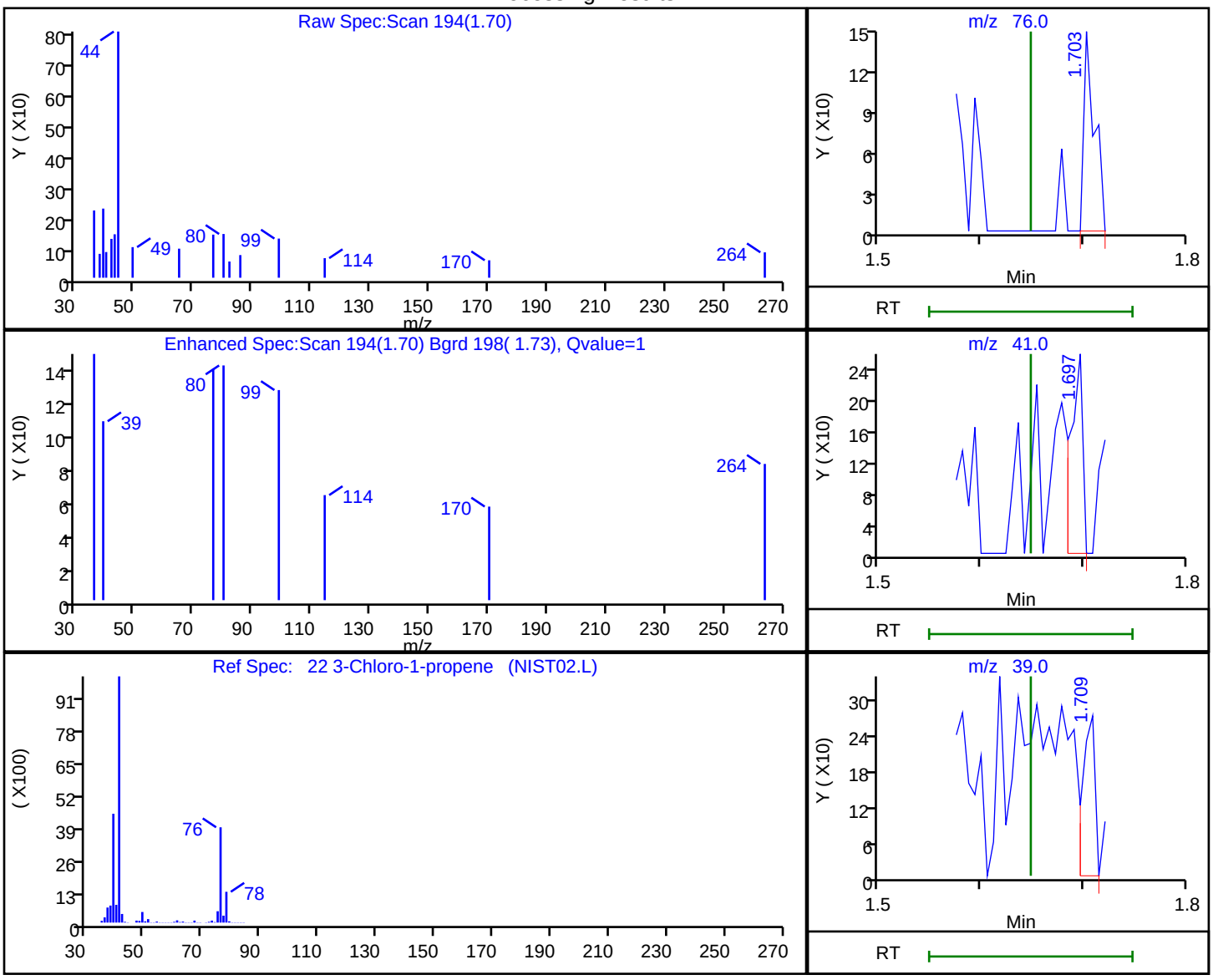
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D		
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	3 Worklist Smp#: 4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
1.70	76.00	104	0.051501
1.70	41.00	206	
1.71	39.00	224	

Reviewer: delpolitov, 31-Dec-2019 08:38:36

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

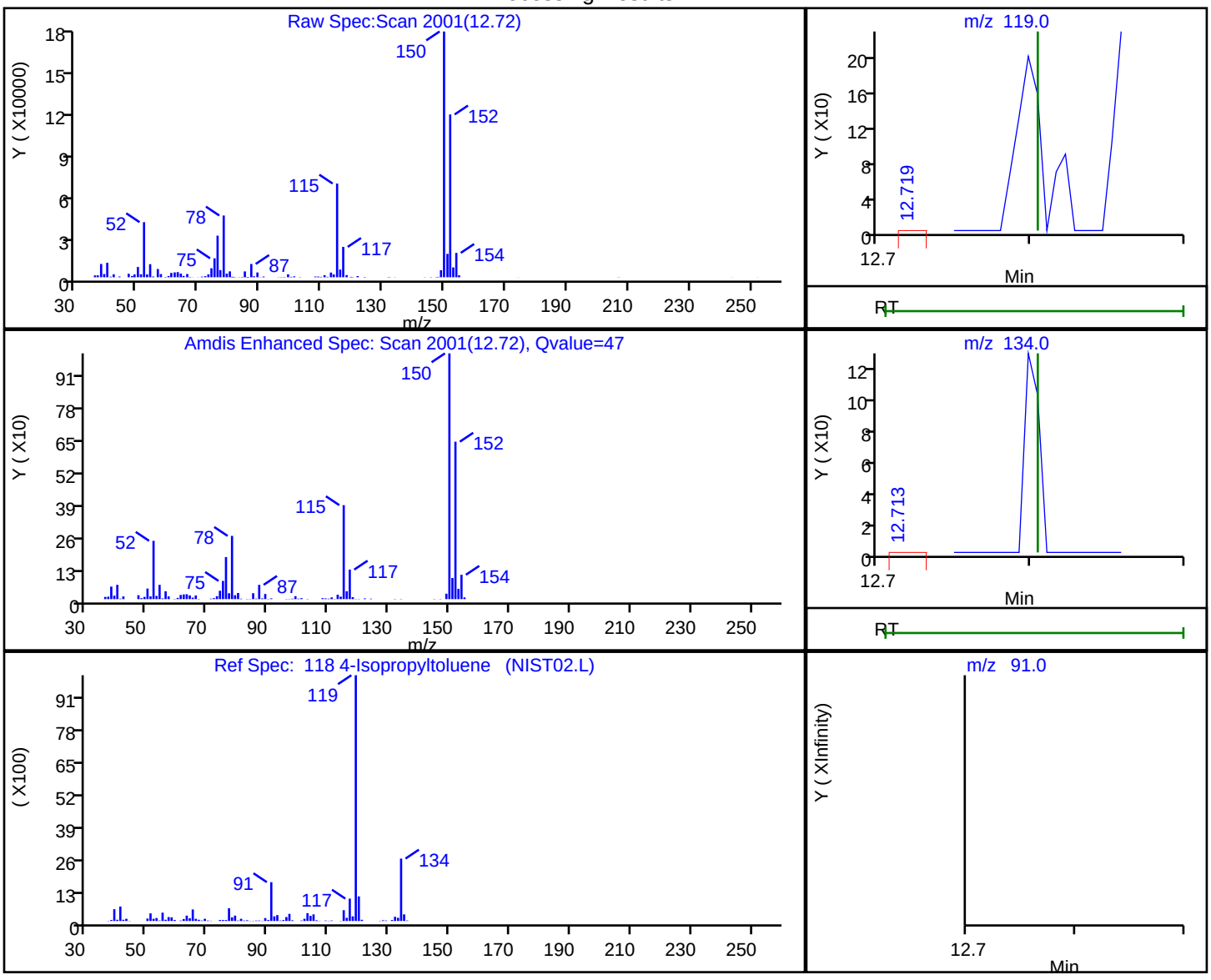
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

118 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
12.72	119.00	194	0.014729
12.71	134.00	124	
12.71	91.00	911	

Reviewer: delpolitov, 31-Dec-2019 08:39:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

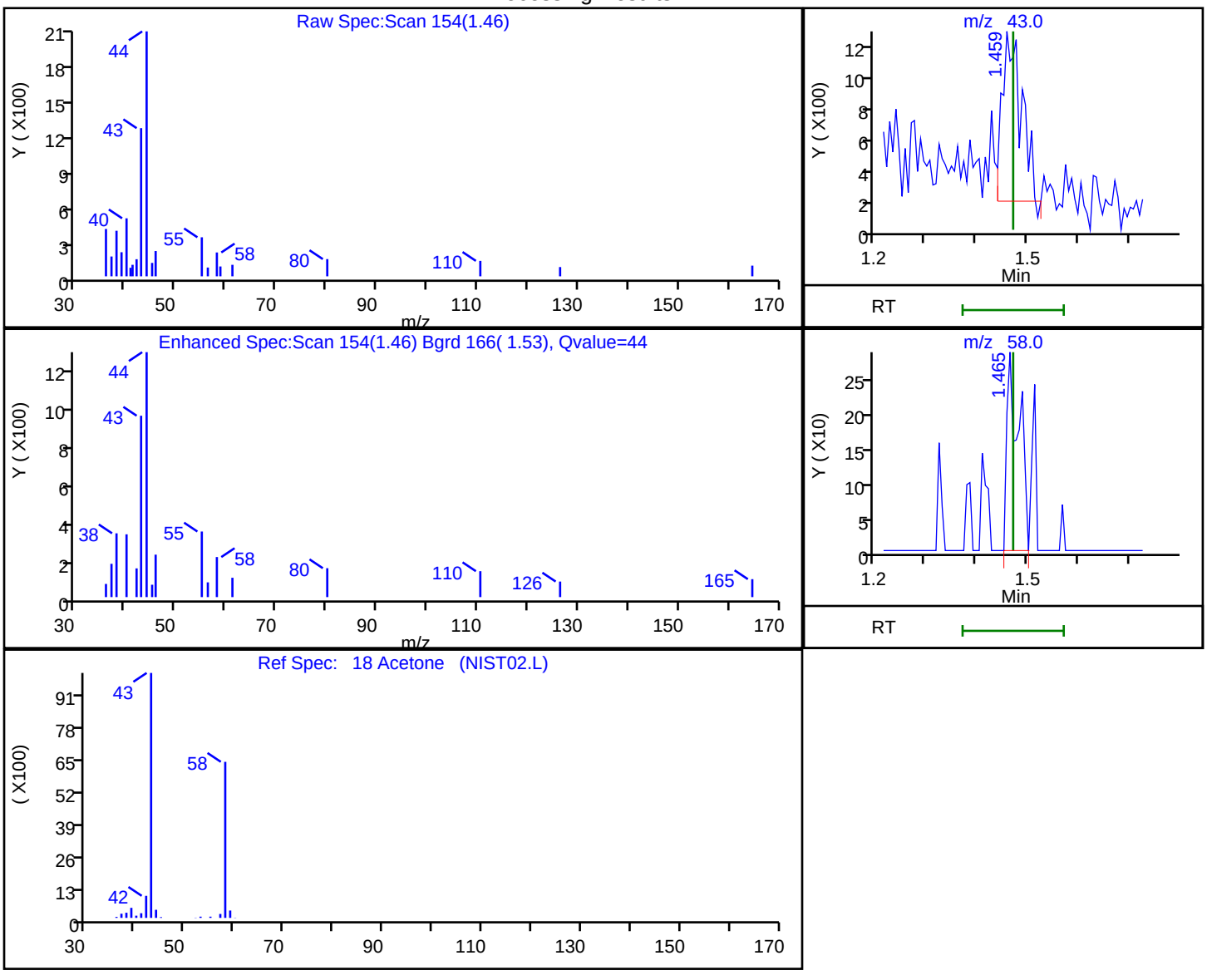
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
1.46	43.00	2790	2.327555
1.47	58.00	486	

Reviewer: delpolitov, 31-Dec-2019 08:38:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

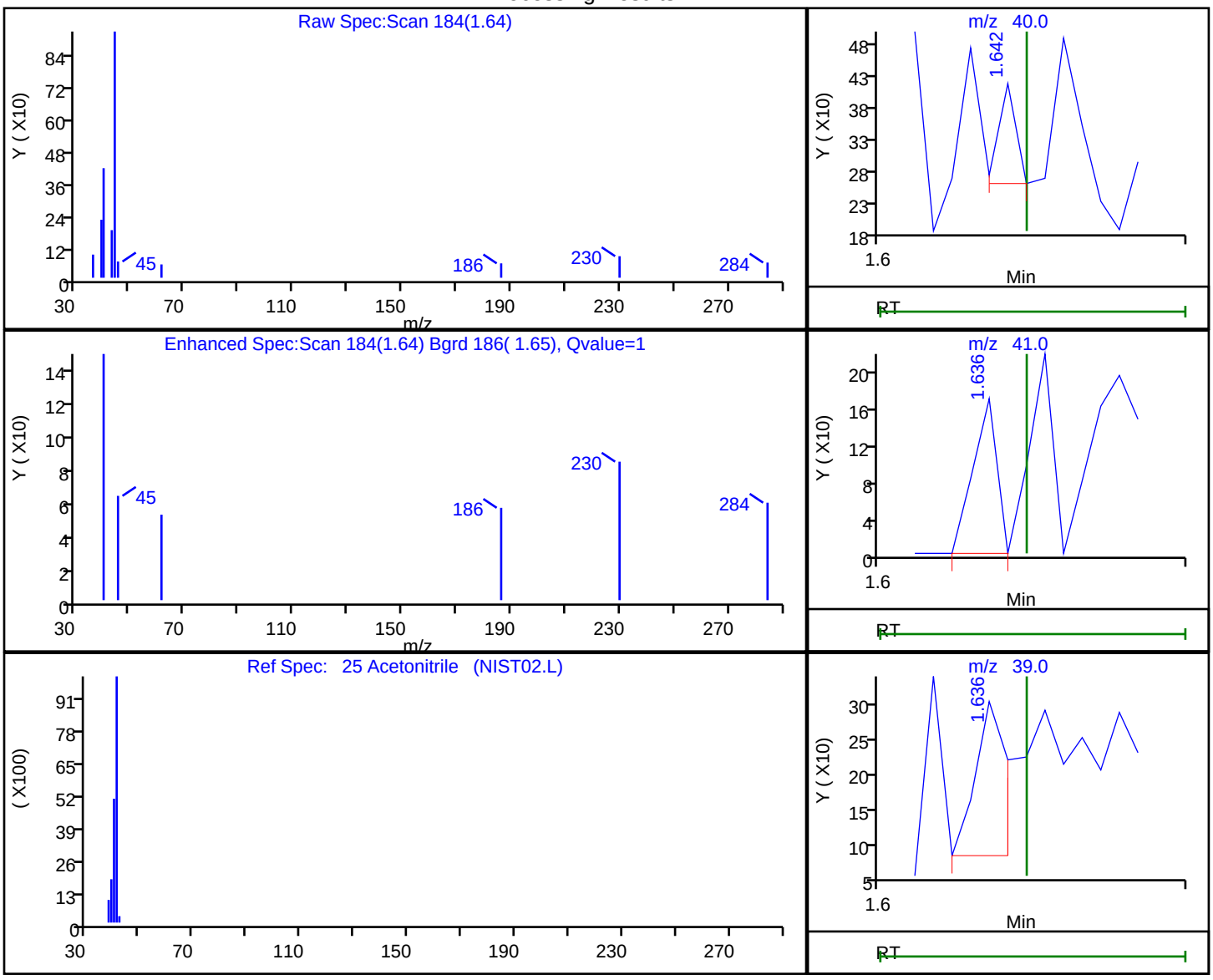
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D		
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	3 Worklist Smp#: 4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

25 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
1.64	40.00	60	0.228234
1.64	41.00	90	
1.64	39.00	155	

Reviewer: delpolitov, 31-Dec-2019 08:38:37

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

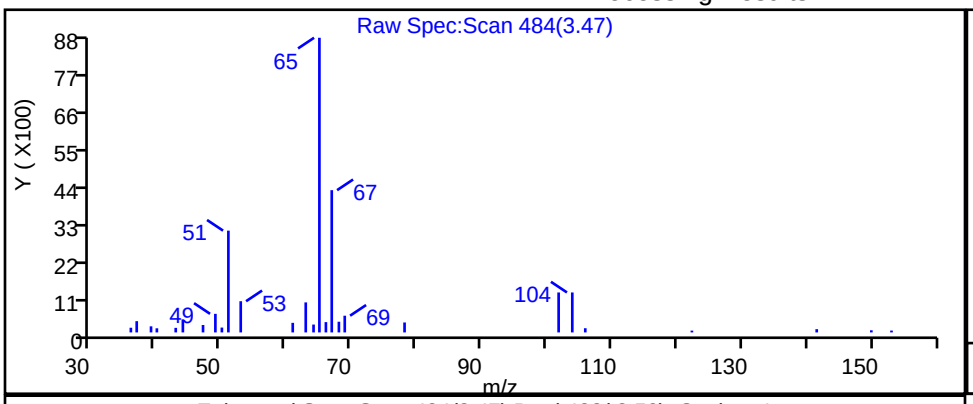
User Disabled Compound Report

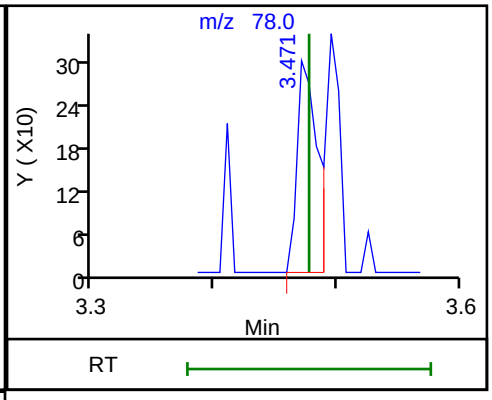
Eurofins TestAmerica, Edison

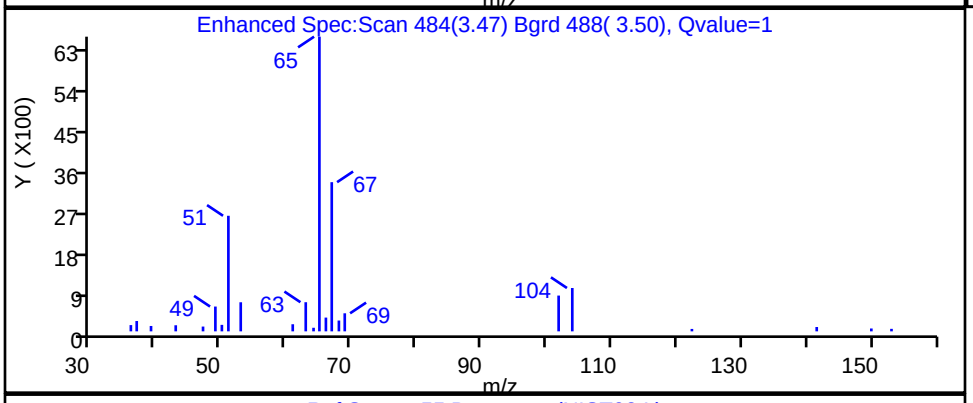
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D				
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

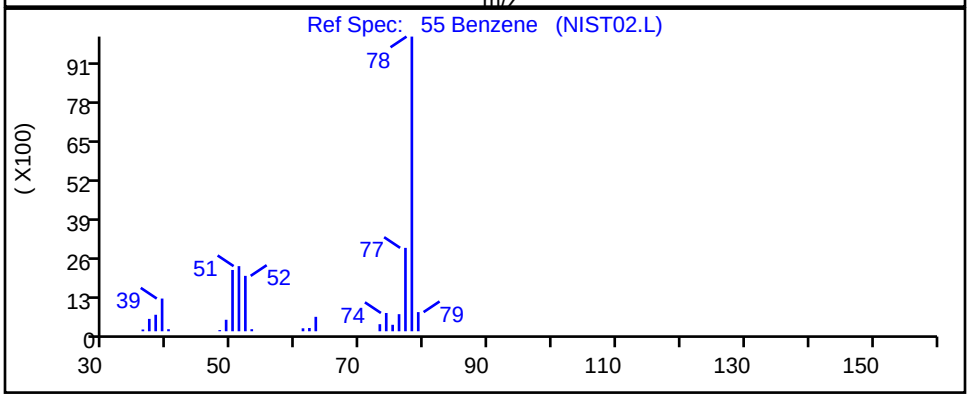
55 Benzene, CAS: 71-43-2

Processing Results









RT	Mass	Response	Amount
3.47	78.00	352	0.030567

Reviewer: delpolitov, 31-Dec-2019 08:38:45

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

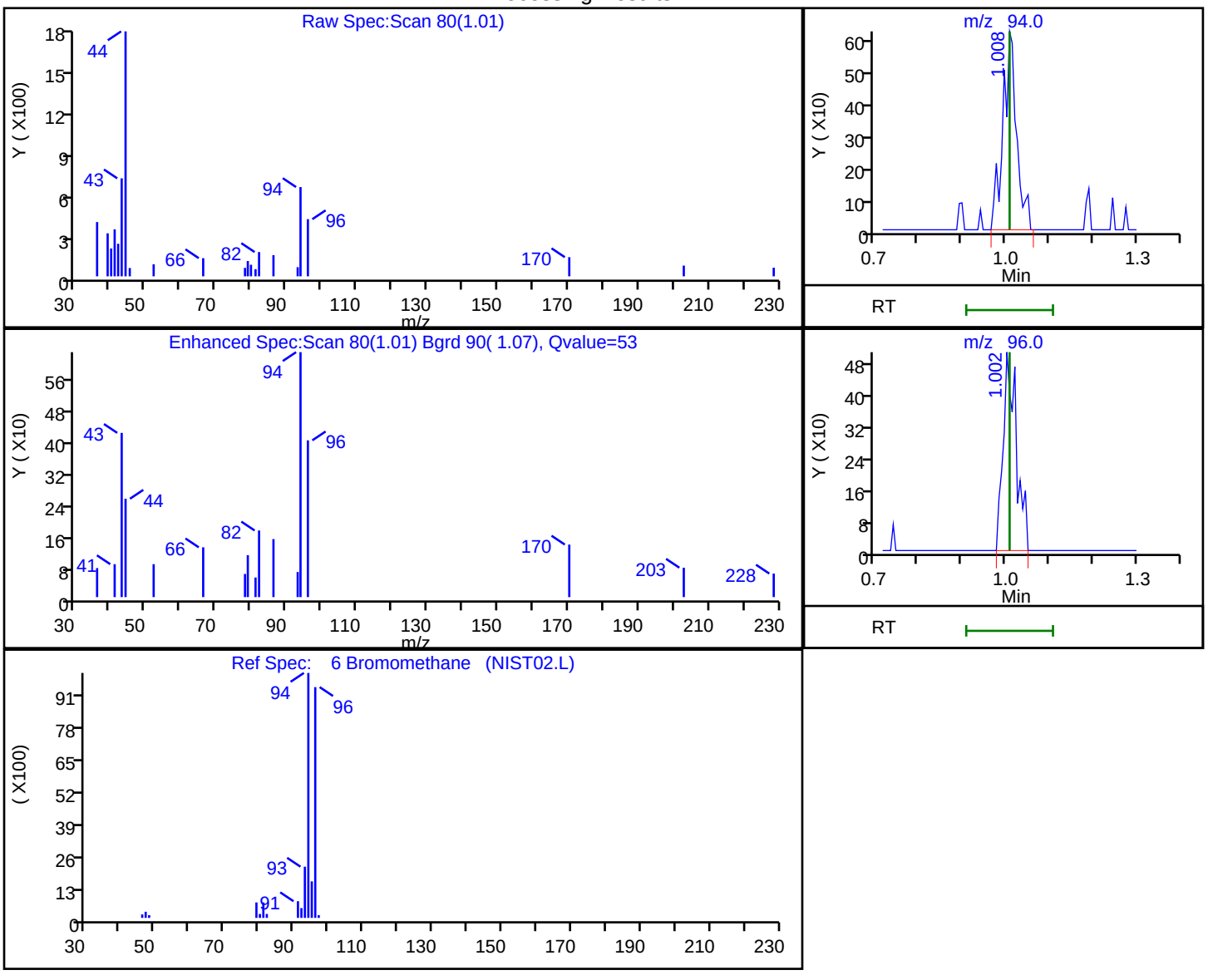
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

6 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.01	94.00	1362	0.350368
1.00	96.00	1066	

Reviewer: delpolitov, 31-Dec-2019 08:38:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

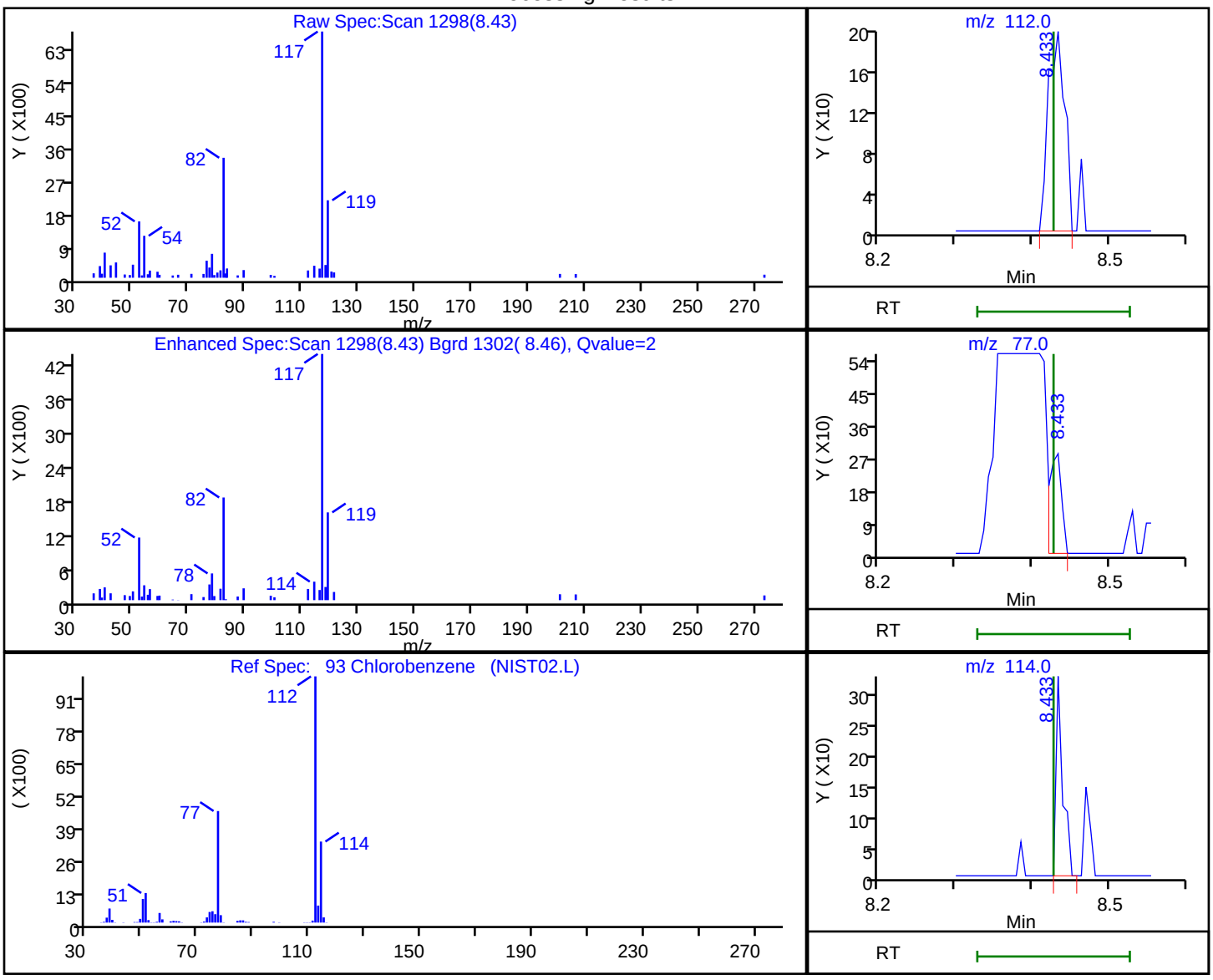
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D		
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	3 Worklist Smp#: 4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

93 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
8.43	112.00	299	0.039233
8.43	77.00	312	
8.43	114.00	202	

Reviewer: delpolitov, 31-Dec-2019 08:39:06

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

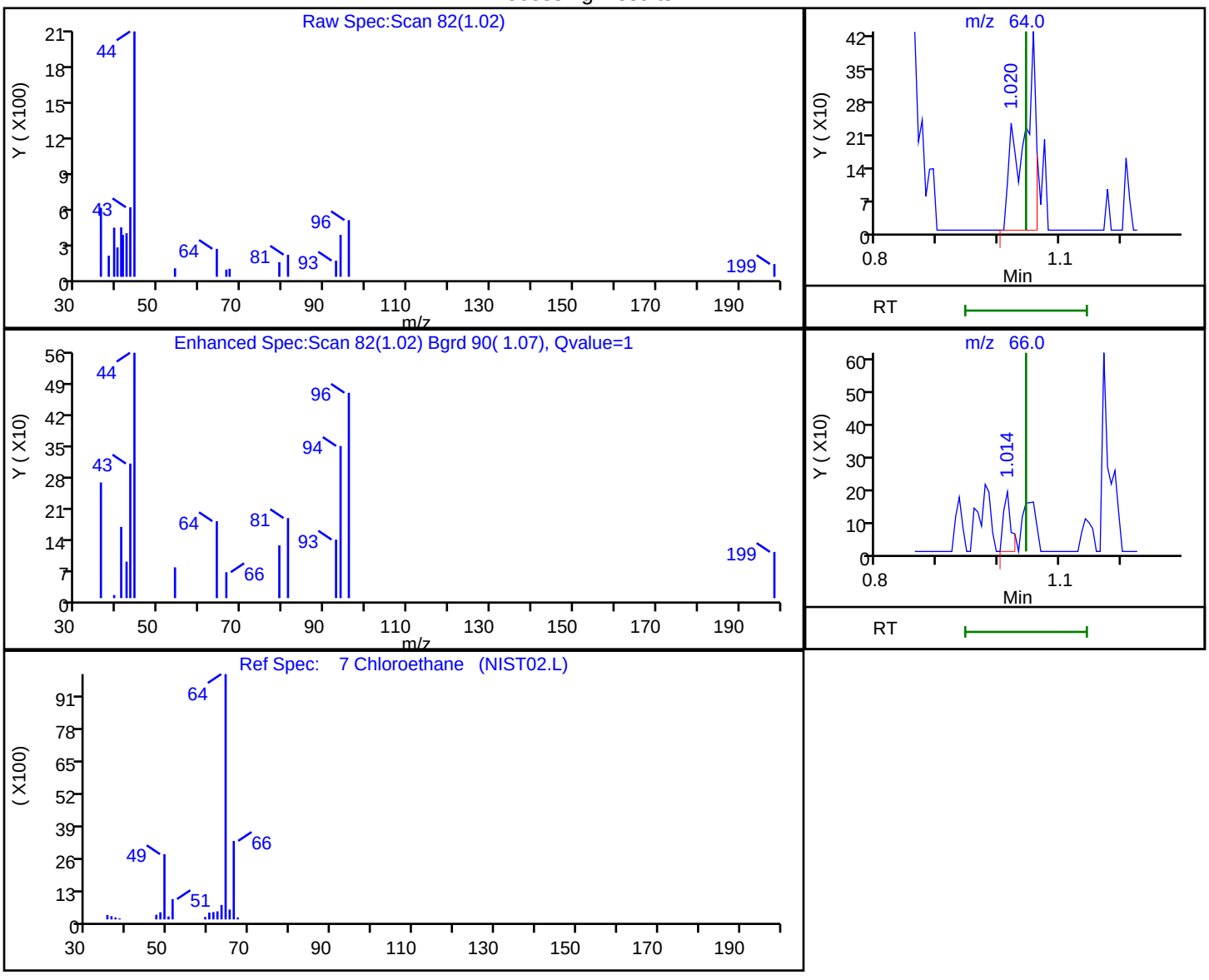
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.02	64.00	657	0.258068
1.01	66.00	156	

Reviewer: delpolitov, 31-Dec-2019 08:38:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

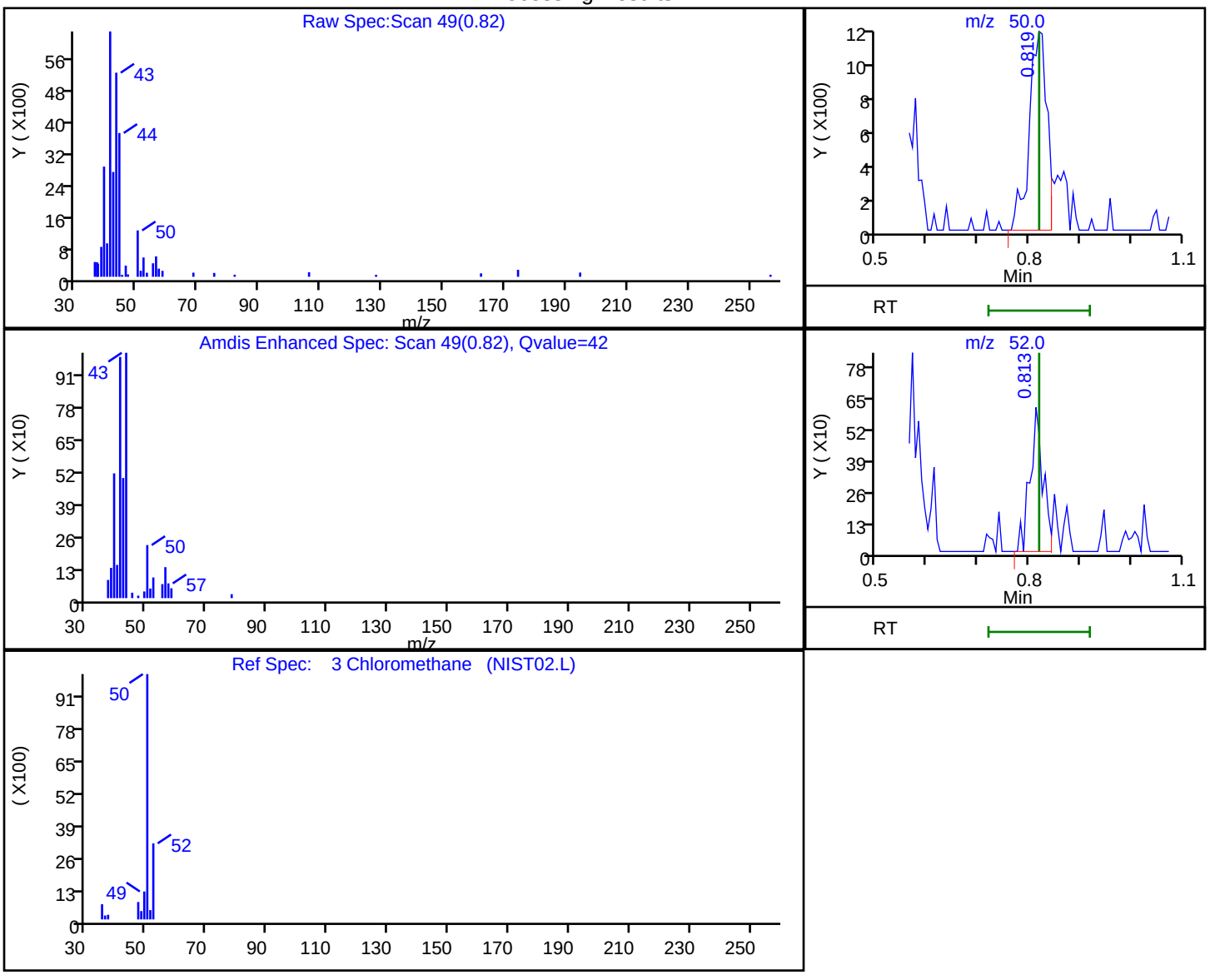
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
0.82	50.00	2870	0.342460
0.81	52.00	1080	

Reviewer: delpolitov, 31-Dec-2019 08:38:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

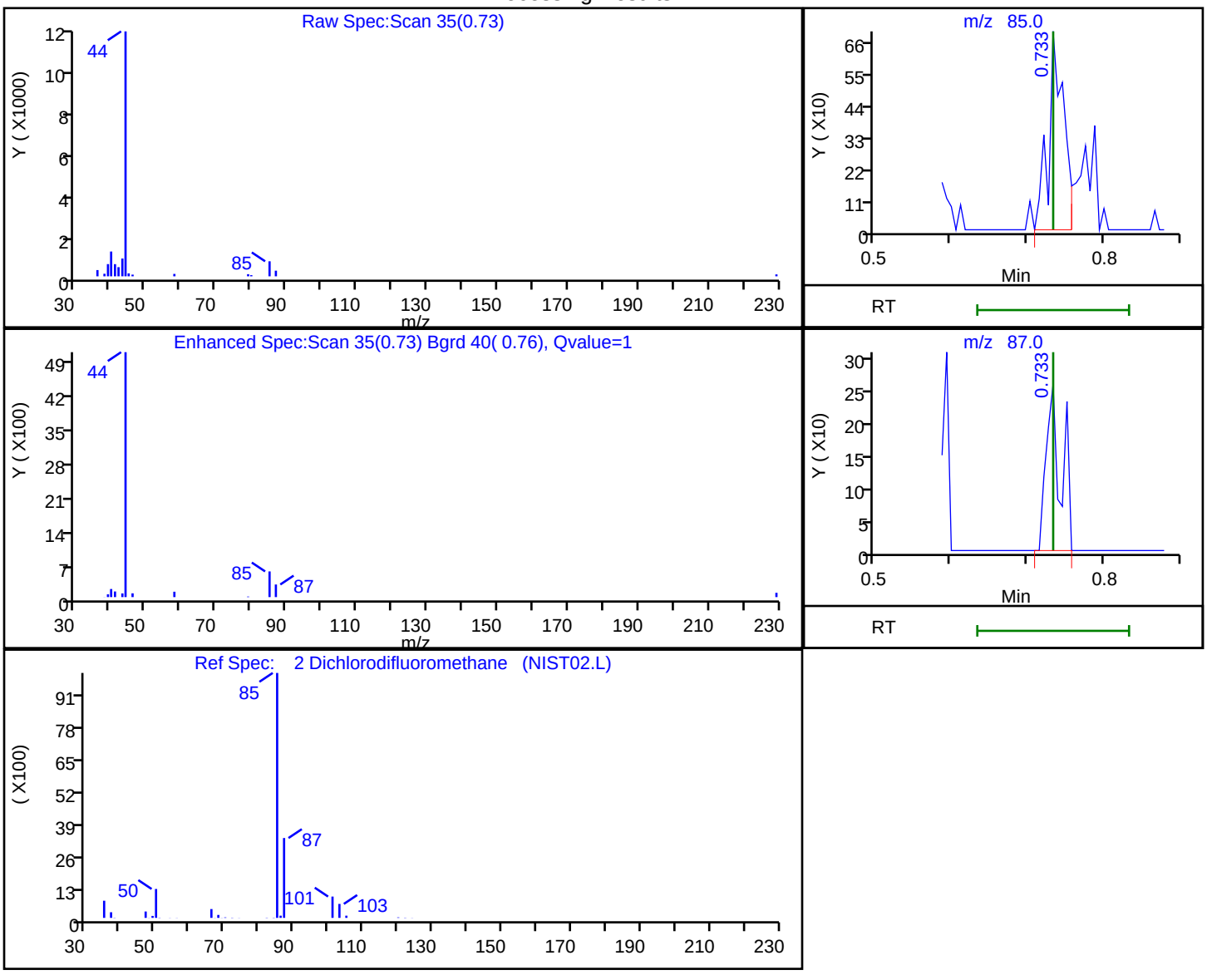
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D		
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	3 Worklist Smp#: 4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.73	85.00	977	0.125481
0.73	87.00	347	

Reviewer: delpolitov, 31-Dec-2019 08:38:31

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

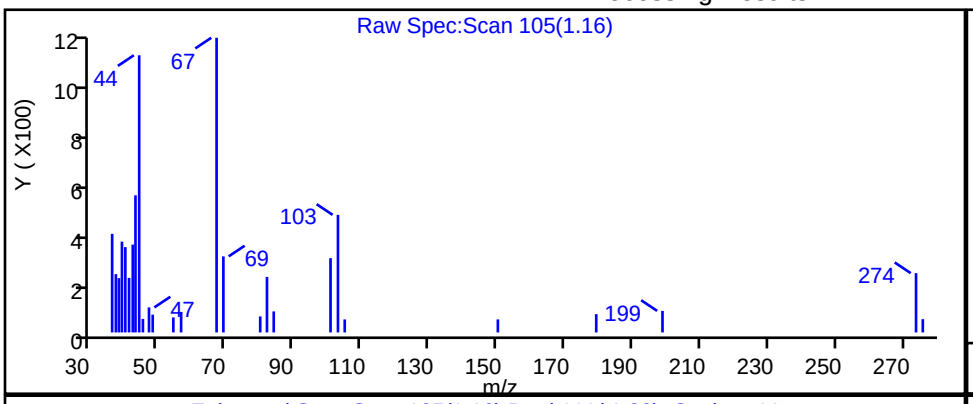
User Disabled Compound Report

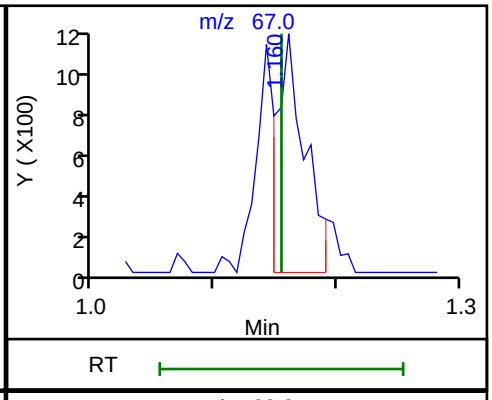
Eurofins TestAmerica, Edison

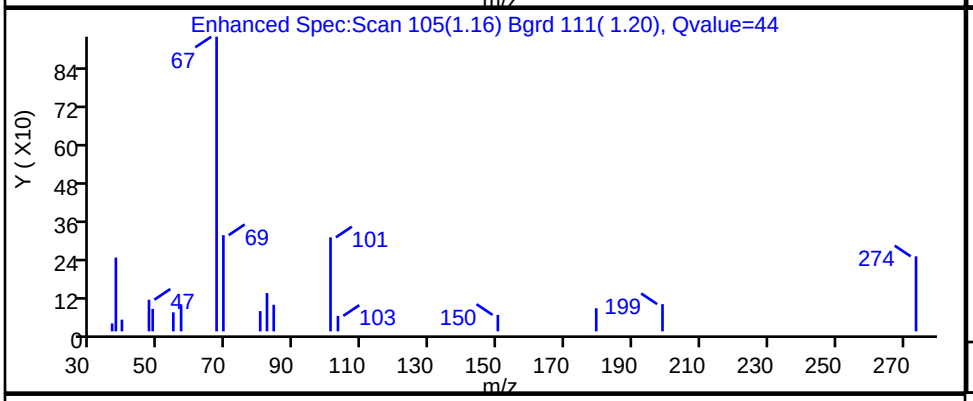
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

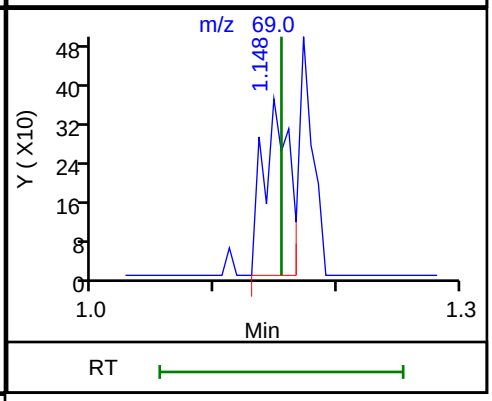
9 Dichlorofluoromethane, CAS: 75-43-4

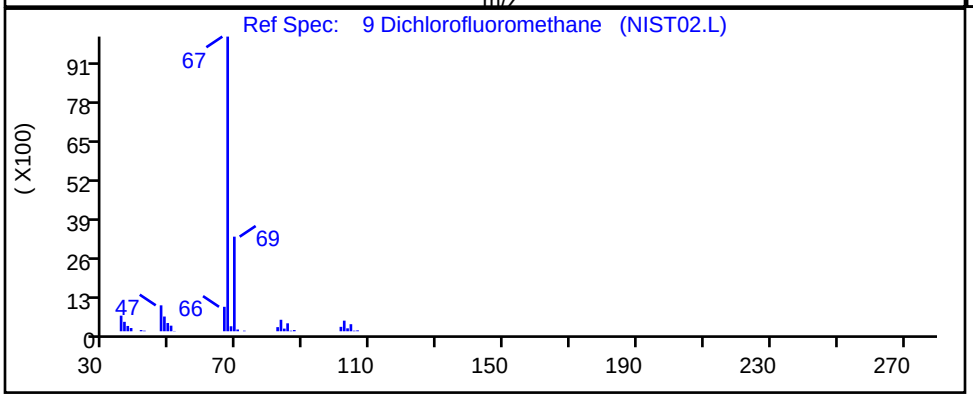
Processing Results











RT	Mass	Response	Amount
1.16	67.00	1923	0.269498
1.15	69.00	539	

Reviewer: delpolitov, 31-Dec-2019 08:38:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

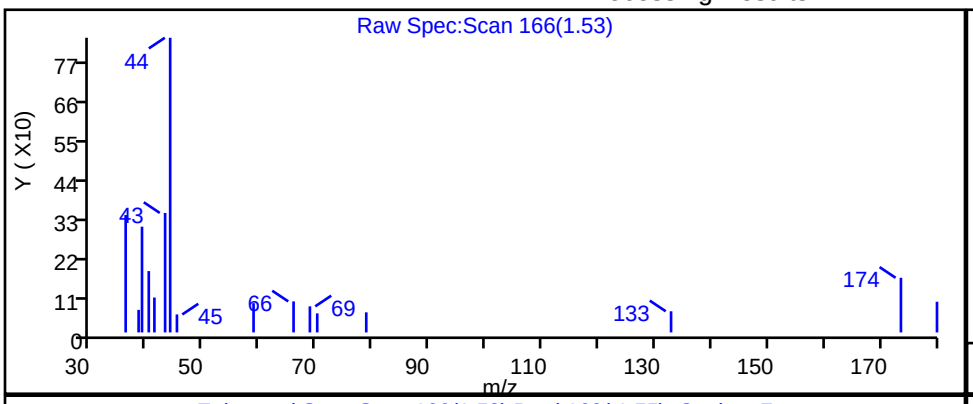
User Disabled Compound Report

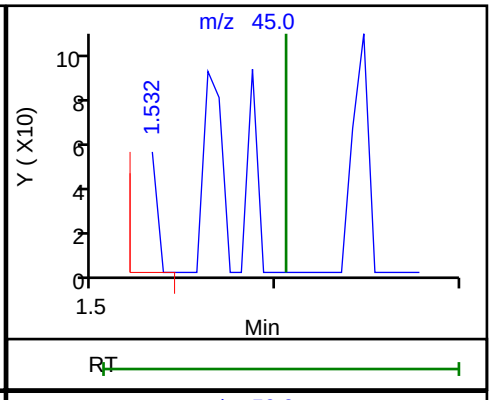
Eurofins TestAmerica, Edison

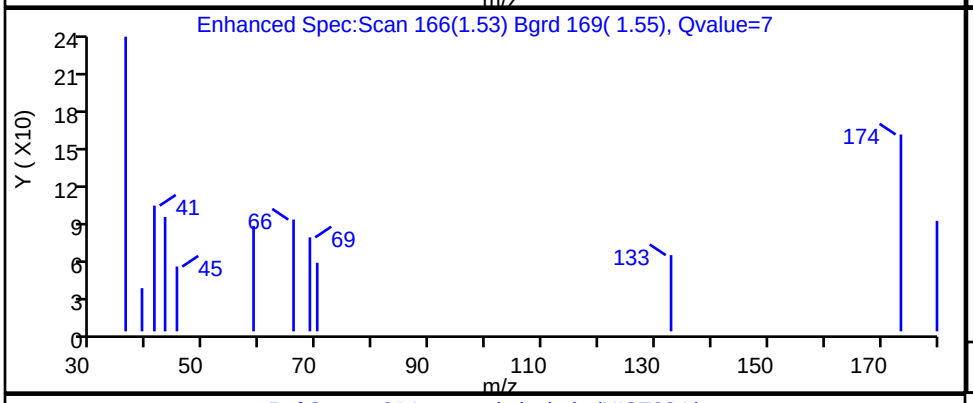
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D				
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

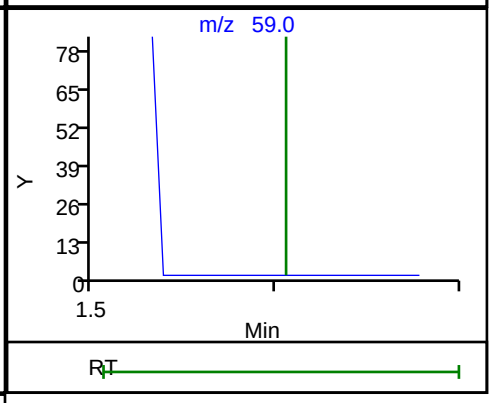
21 Isopropyl alcohol, CAS: 67-63-0

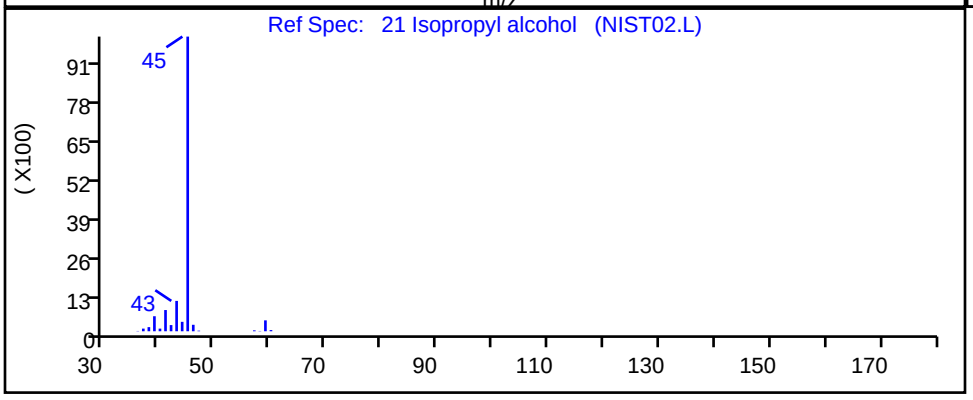
Processing Results











RT	Mass	Response	Amount
1.53	45.00	19	0.107958
1.61	59.00	0	

Reviewer: delpolitov, 31-Dec-2019 08:38:35

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

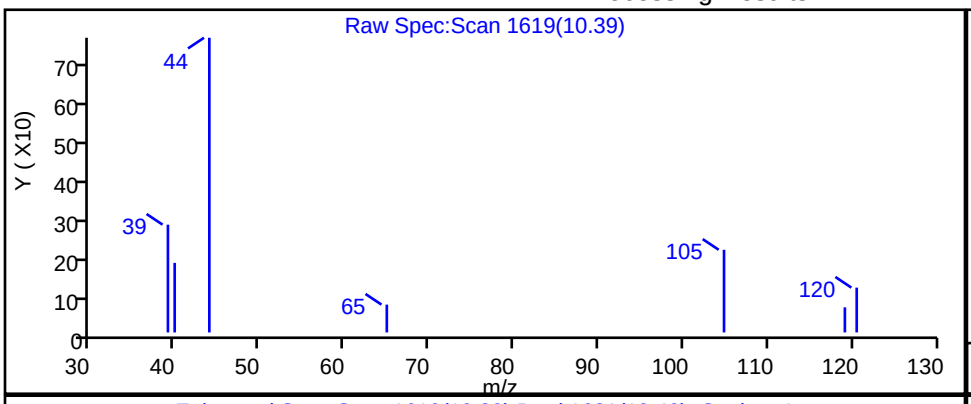
User Disabled Compound Report

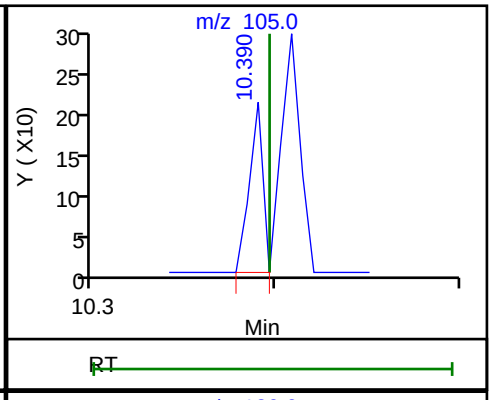
Eurofins TestAmerica, Edison

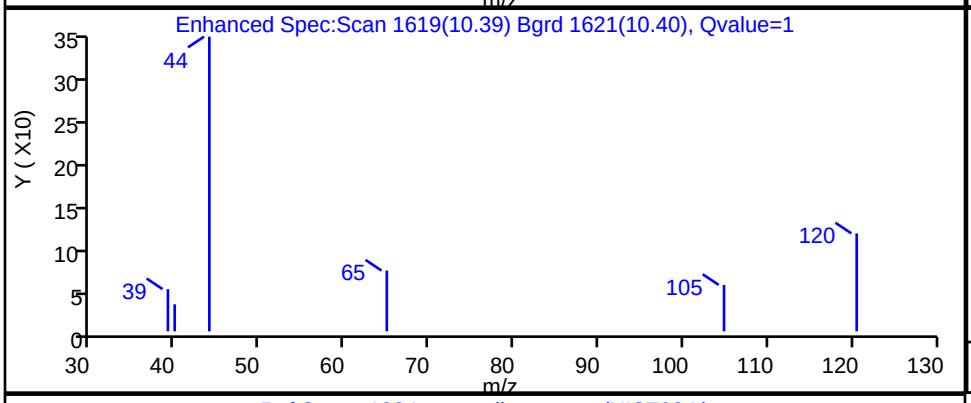
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D				
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

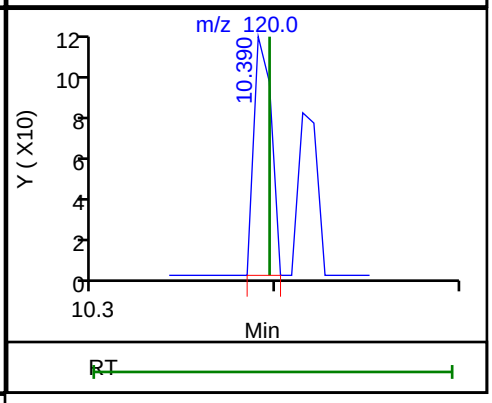
102 Isopropylbenzene, CAS: 98-82-8

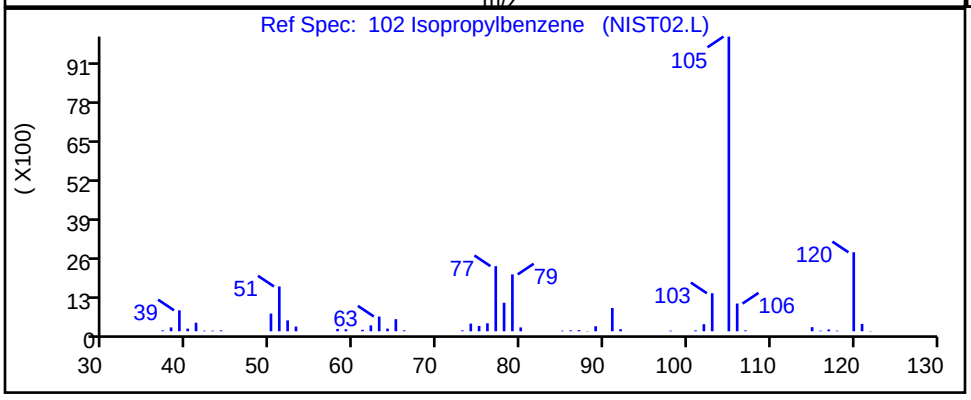
Processing Results











RT	Mass	Response	Amount
10.39	105.00	110	0.007555
10.39	120.00	77	

Reviewer: delpolitov, 31-Dec-2019 08:39:08

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

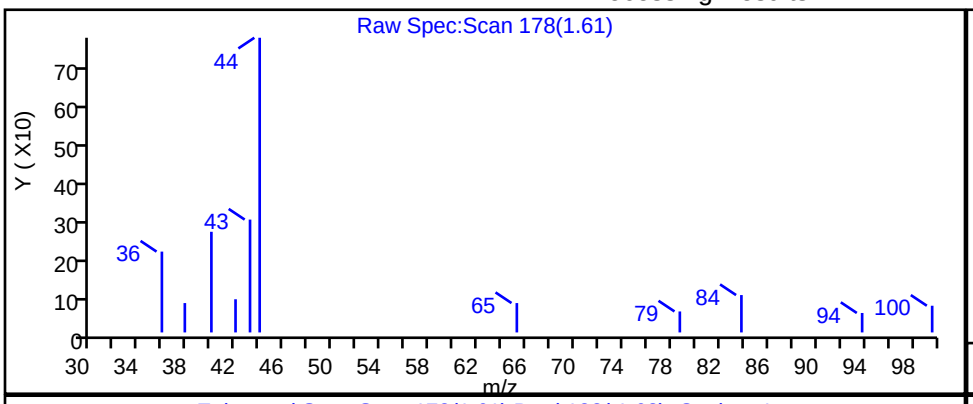
User Disabled Compound Report

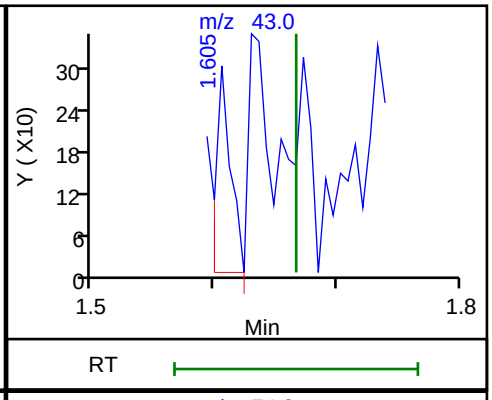
Eurofins TestAmerica, Edison

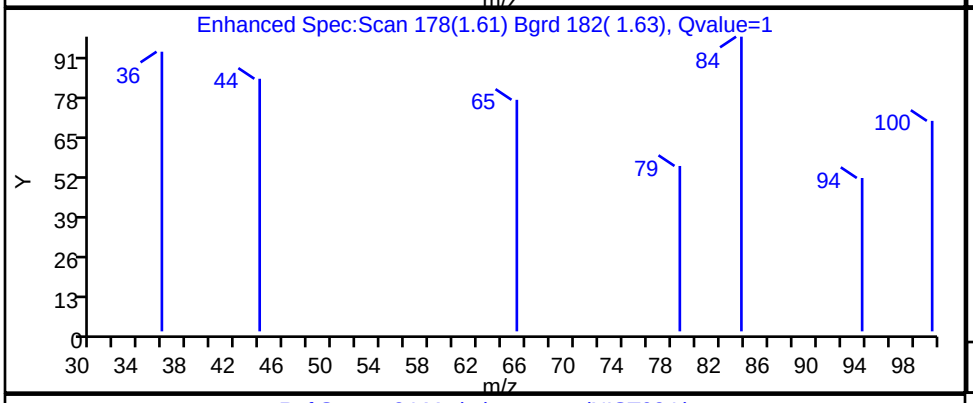
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

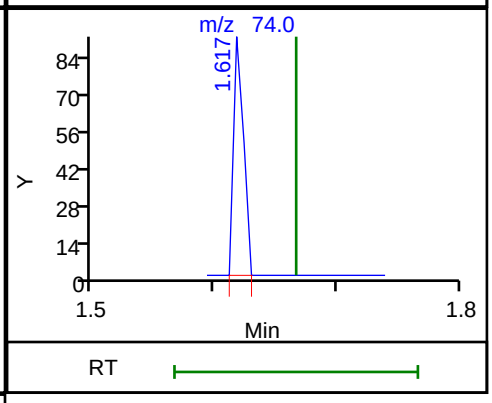
24 Methyl acetate, CAS: 79-20-9

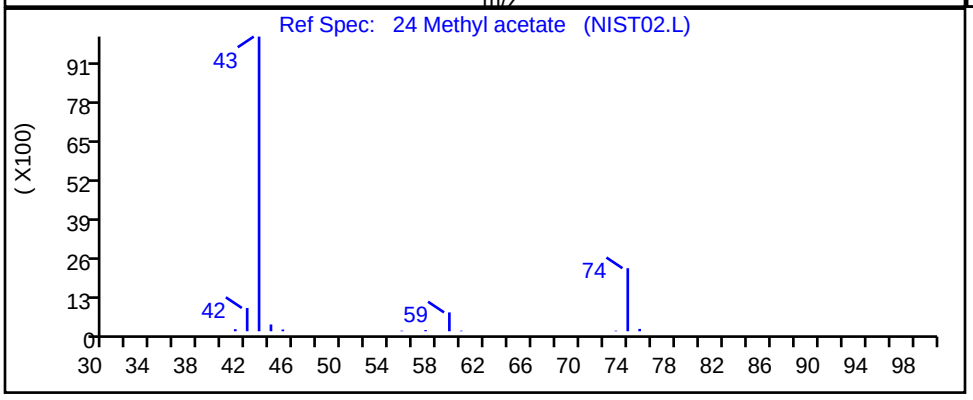
Processing Results











RT	Mass	Response	Amount
1.61	43.00	240	0.076345
1.62	74.00	52	

Reviewer: delpolitov, 31-Dec-2019 08:38:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

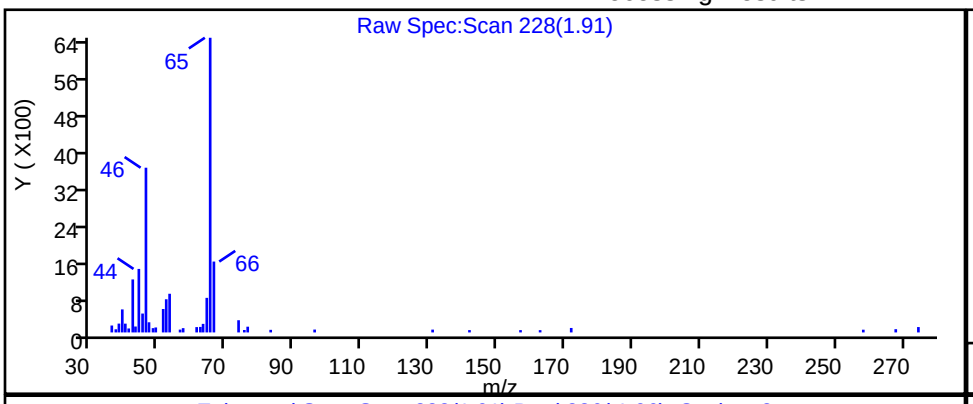
User Disabled Compound Report

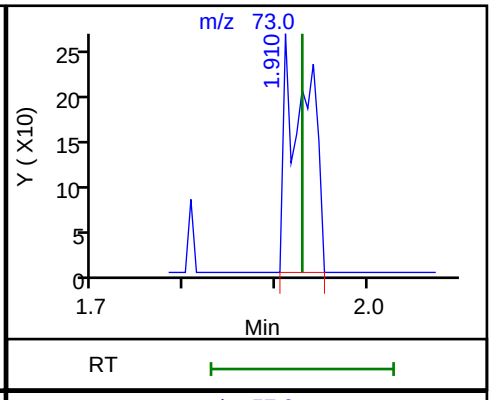
Eurofins TestAmerica, Edison

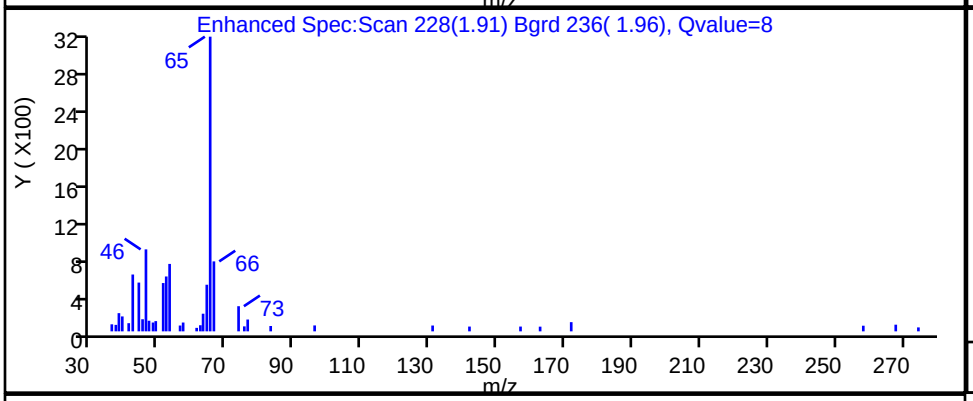
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

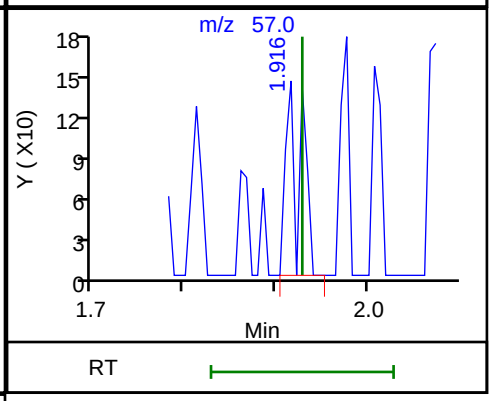
29 Methyl tert-butyl ether, CAS: 1634-04-4

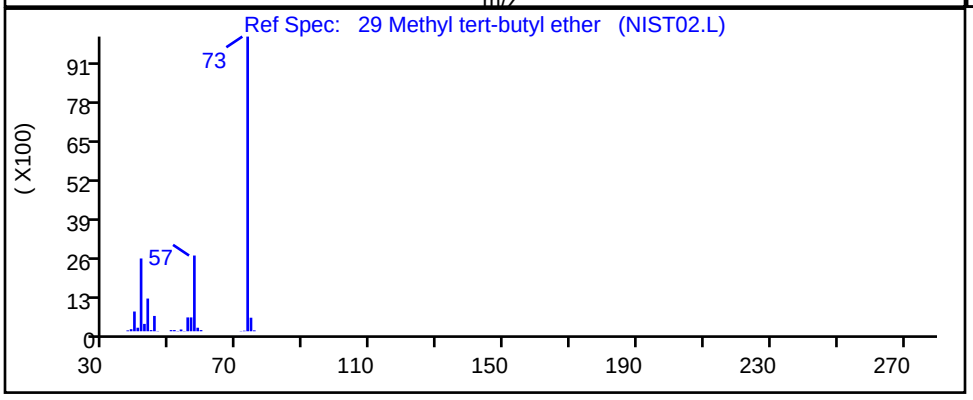
Processing Results











RT	Mass	Response	Amount
1.91	73.00	482	0.053798
1.92	57.00	167	

Reviewer: delpolitov, 31-Dec-2019 08:38:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

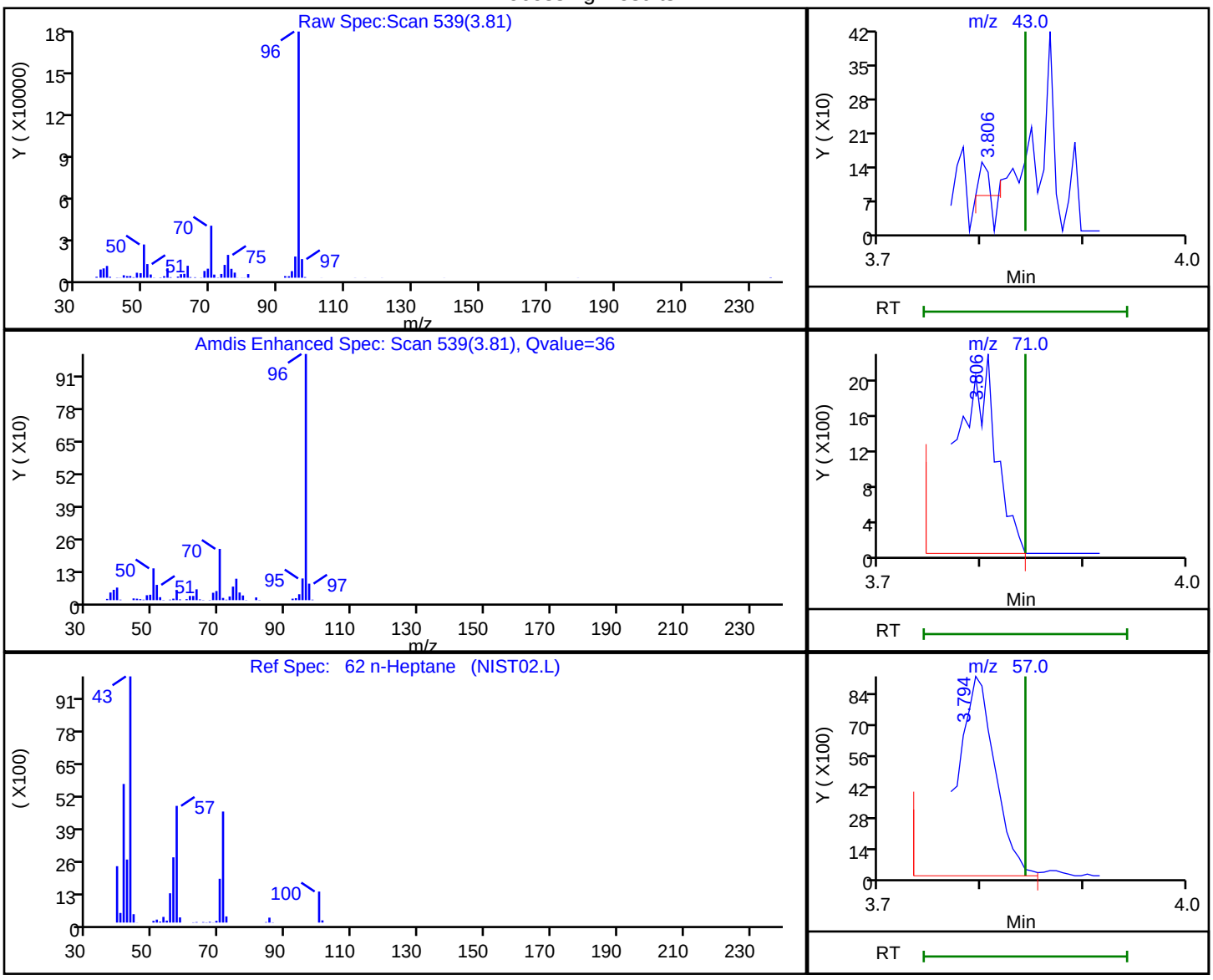
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

62 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
3.81	43.00	28	0.006311
3.81	71.00	5446	
3.79	57.00	23339	

Reviewer: delpolitov, 31-Dec-2019 08:38:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

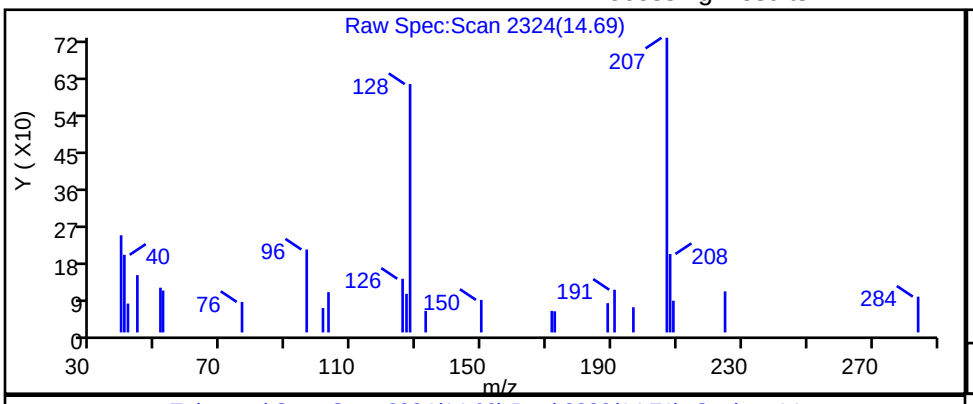
User Disabled Compound Report

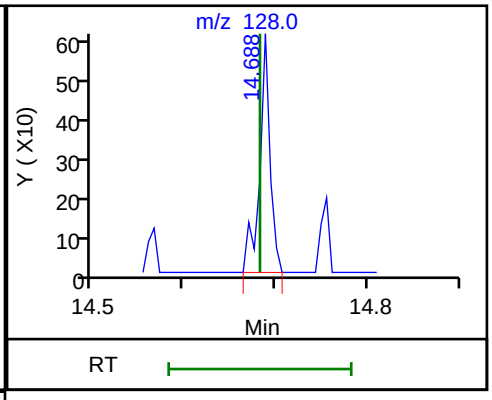
Eurofins TestAmerica, Edison

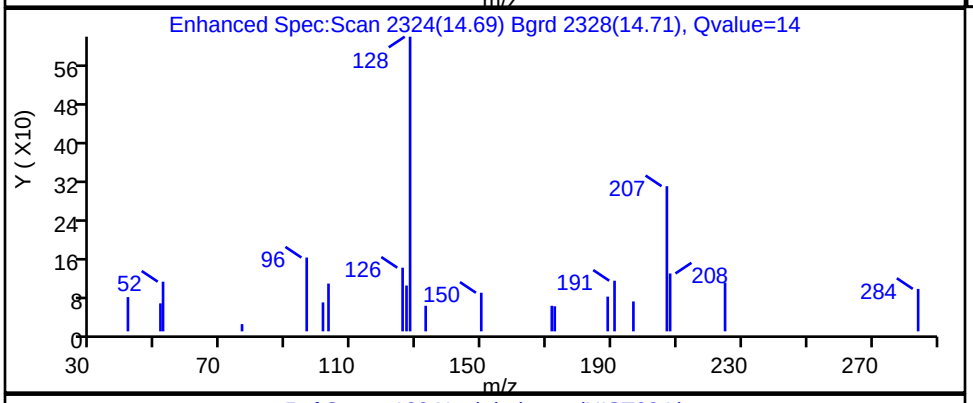
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D				
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

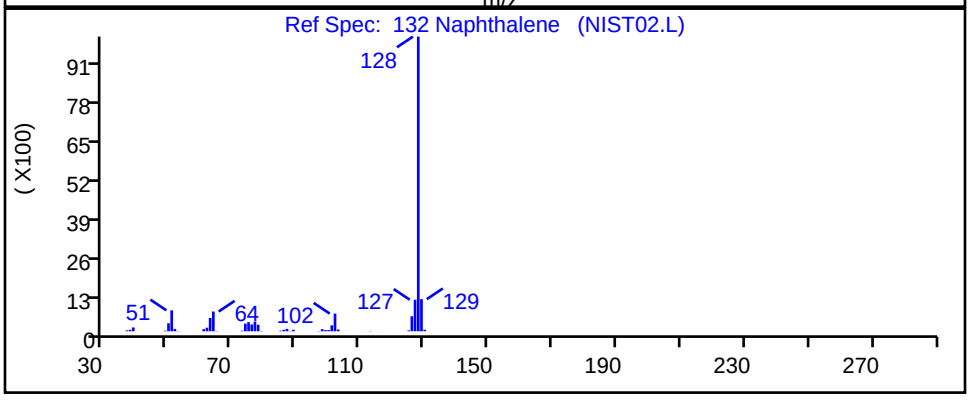
132 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
14.69	128.00	486	0.038703

Reviewer: delpolitov, 31-Dec-2019 08:39:13

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

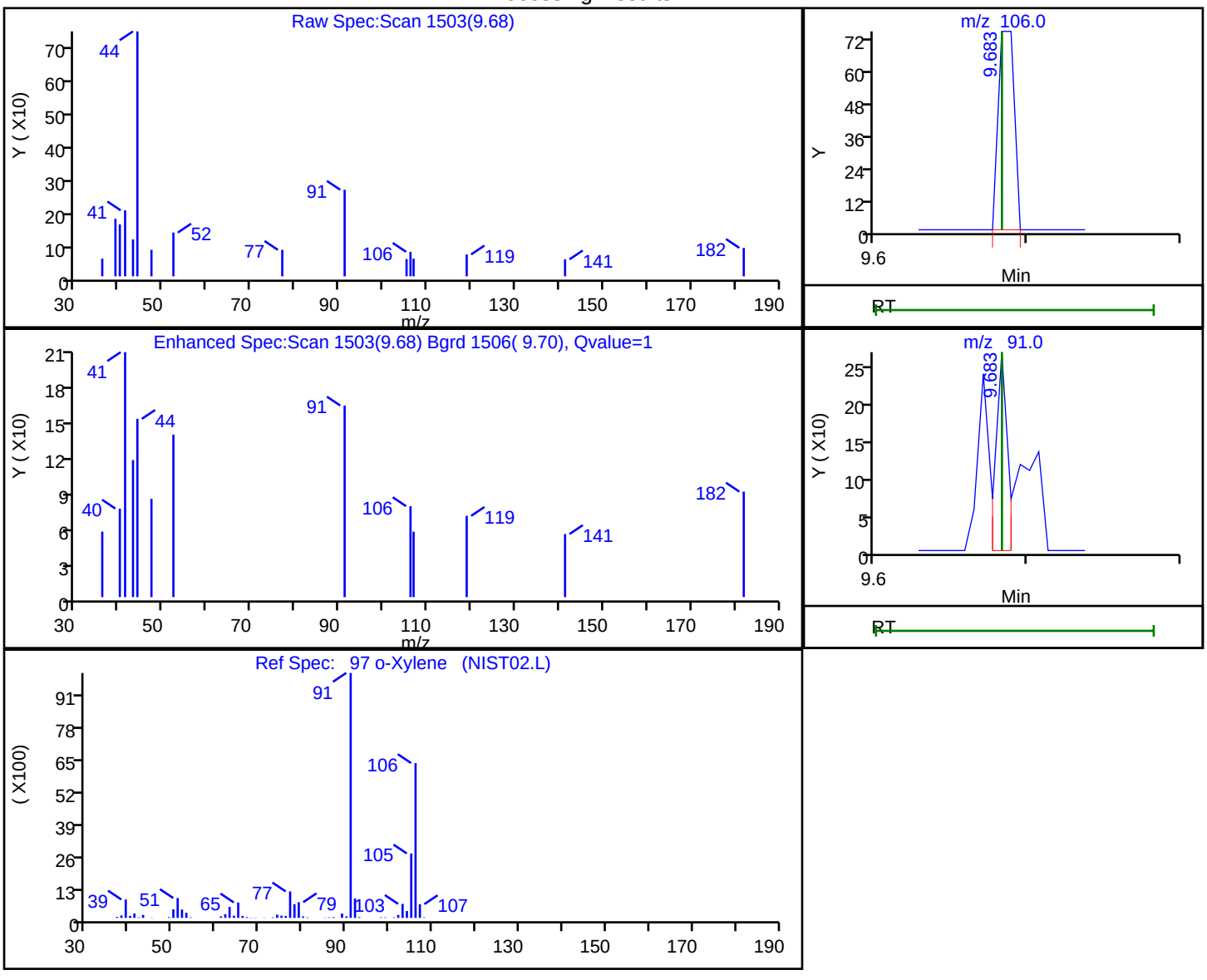
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

97 o-Xylene, CAS: 95-47-6

Processing Results



RT	Mass	Response	Amount
9.68	106.00	55	0.010087
9.68	91.00	147	

Reviewer: delpolitov, 31-Dec-2019 08:39:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

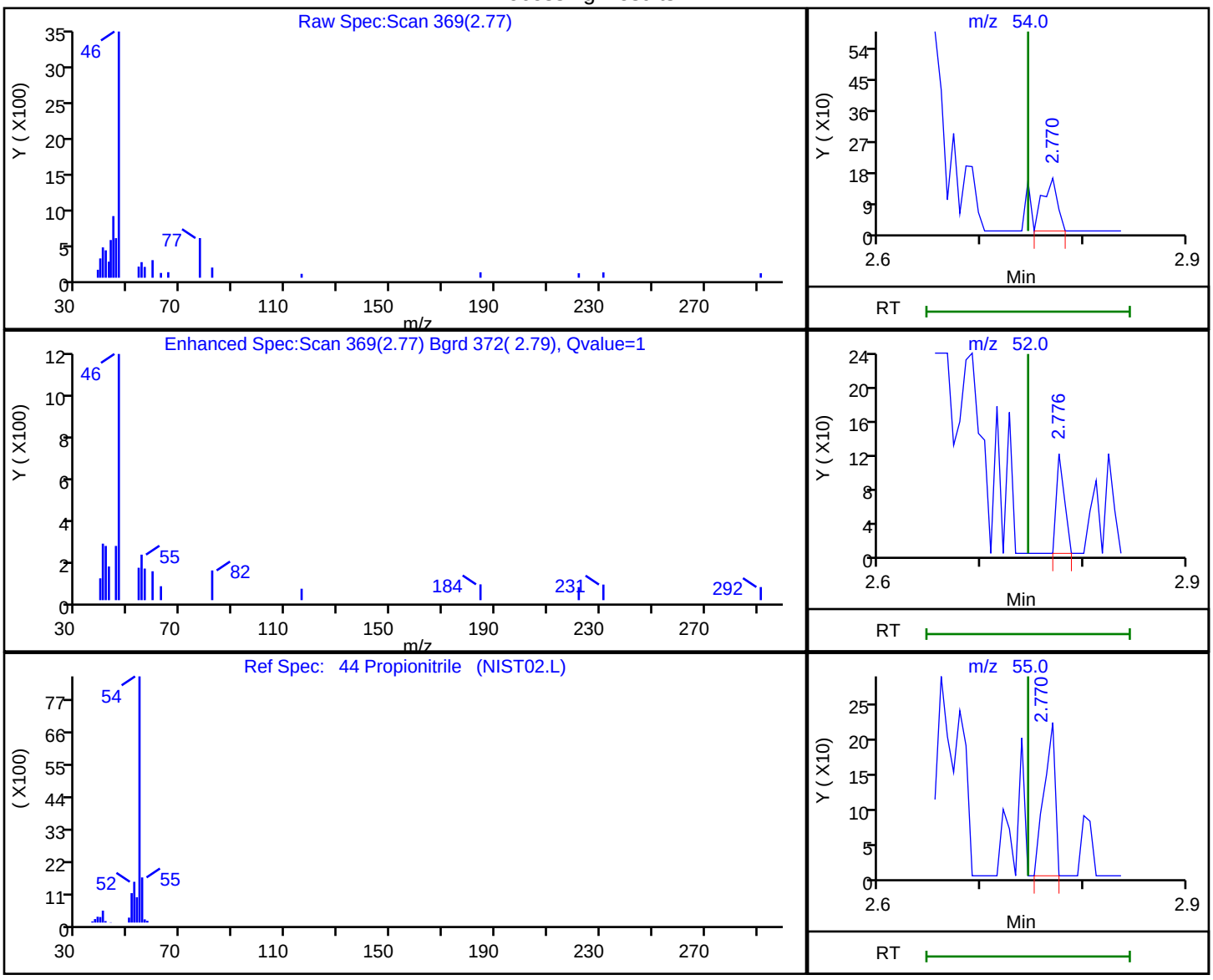
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D		
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	3 Worklist Smp#: 4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

44 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
2.77	54.00	155	0.420429
2.78	52.00	64	
2.77	55.00	165	

Reviewer: delpolitov, 31-Dec-2019 08:38:44

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

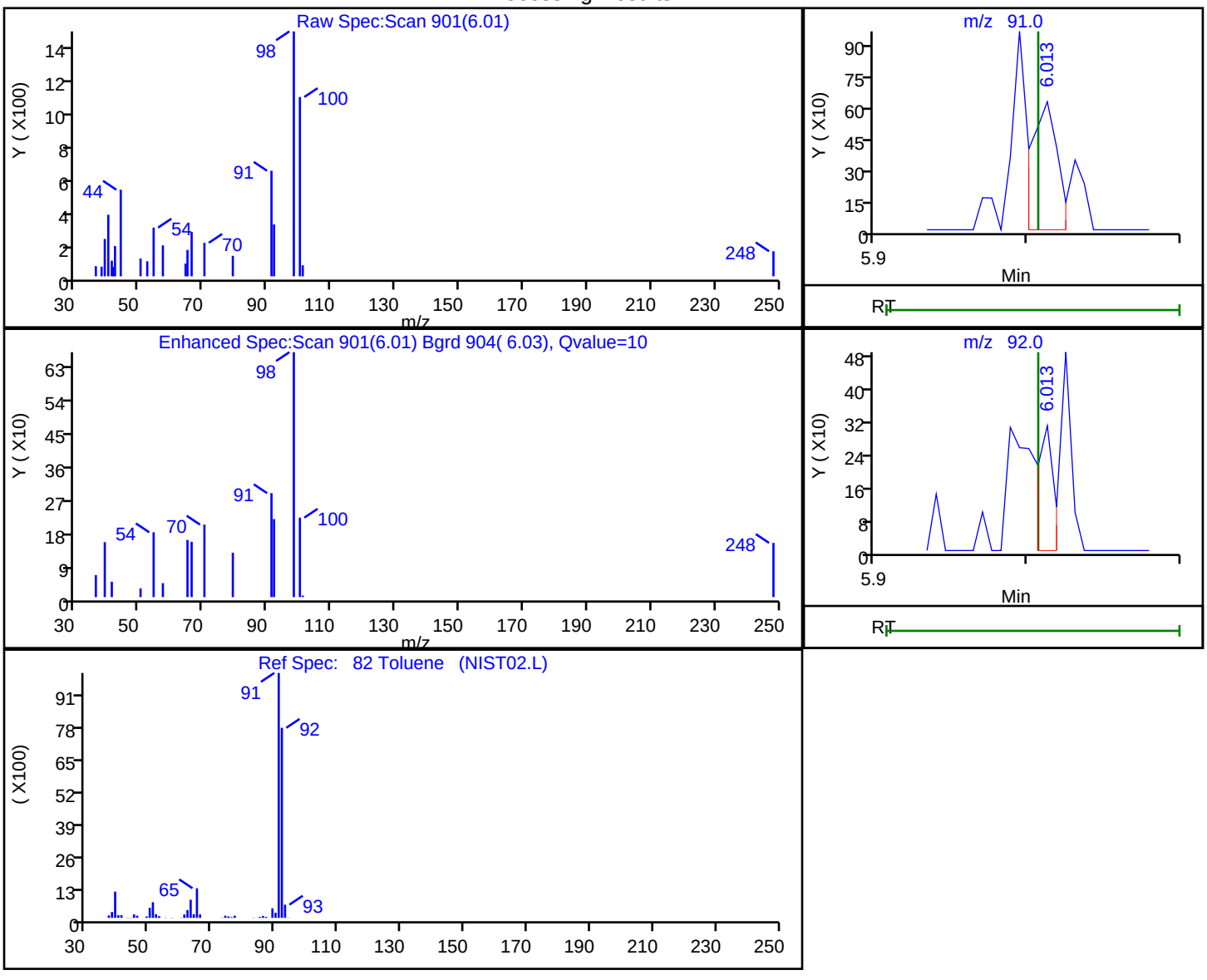
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D		
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	3 Worklist Smp#: 4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

82 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.01	91.00	753	0.062164
6.01	92.00	228	

Reviewer: delpolitov, 31-Dec-2019 08:38:51

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

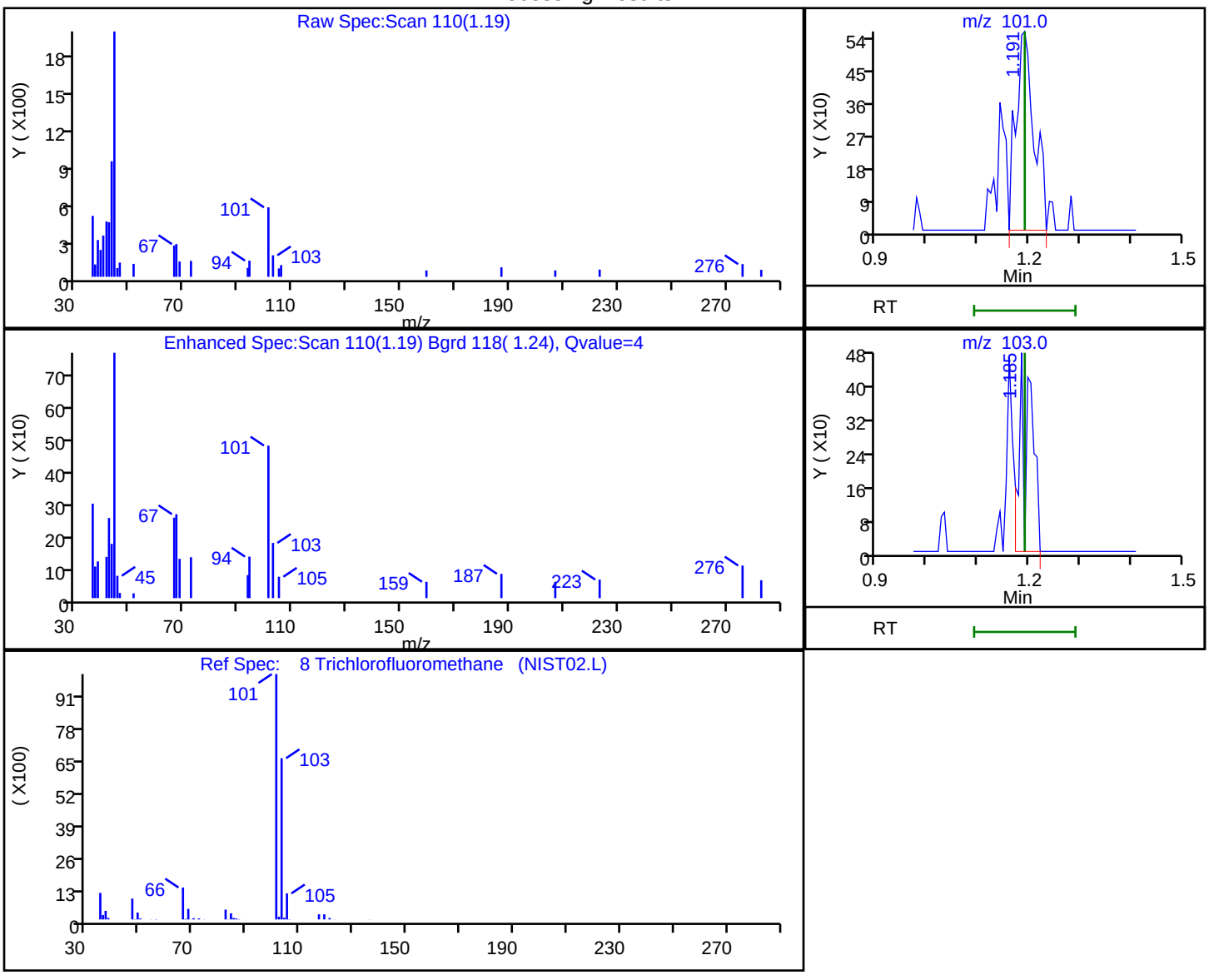
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D				
Injection Date:	27-Dec-2019 11:43:30	Instrument ID:	CVOAMS2		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

8 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
1.19	101.00	1382	0.211435
1.18	103.00	755	

Reviewer: delpolitov, 31-Dec-2019 08:38:32

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

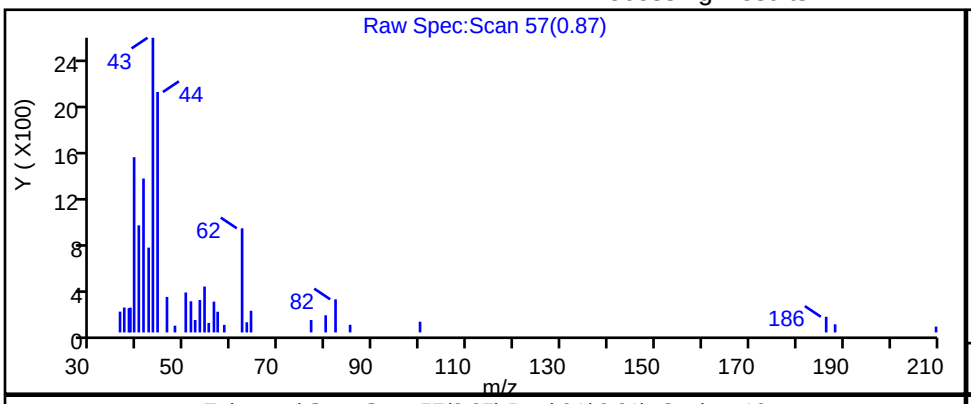
User Disabled Compound Report

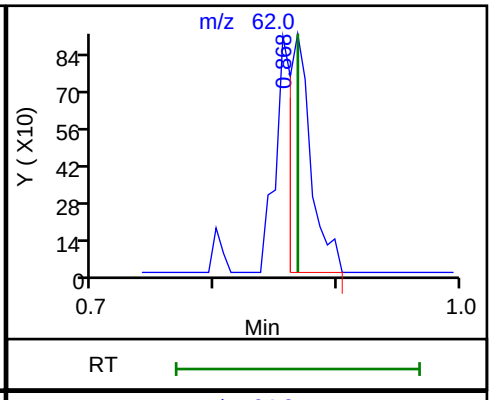
Eurofins TestAmerica, Edison

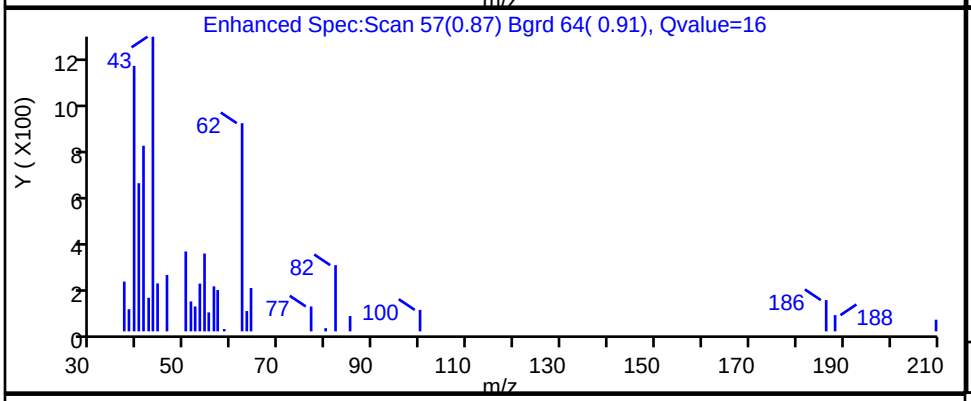
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52885.D
Injection Date: 27-Dec-2019 11:43:30 Instrument ID: CVOAMS2
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

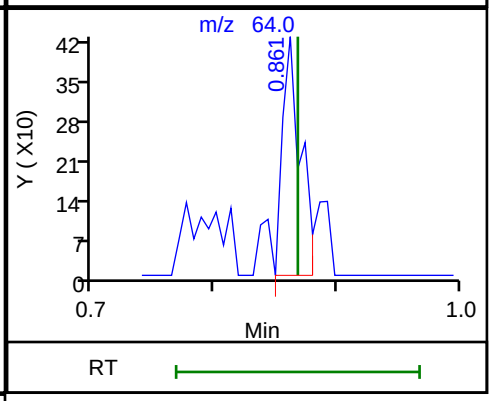
5 Vinyl chloride, CAS: 75-01-4

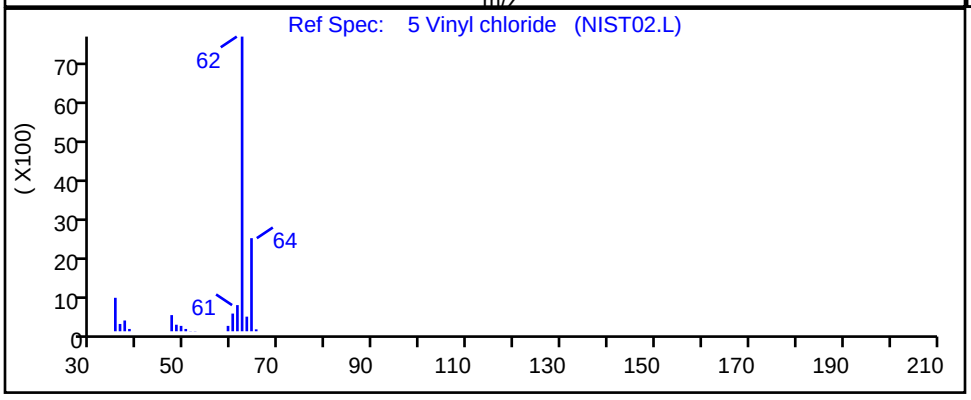
Processing Results











RT	Mass	Response	Amount
0.87	62.00	1133	0.249616
0.86	64.00	442	

Reviewer: delpolitov, 31-Dec-2019 08:38:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Dec-2019 12:31:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0103524-006
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 31-Dec-2019 09:41:53 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: martineze Date: 27-Dec-2019 15:45:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.728	0.727	0.001	44	9111	5.00	4.98	
2 Dichlorodifluoromethane	85	0.746	0.734	0.012	67	35289	5.00	5.05	
3 Chloromethane	50	0.825	0.819	0.006	98	39795	5.00	5.25	
4 Butadiene	54	0.862	0.862	0.000	92	21269	5.00	4.95	
5 Vinyl chloride	62	0.868	0.868	0.000	95	24668	5.00	5.12	
6 Bromomethane	94	1.014	1.008	0.006	98	18508	5.00	5.07	
7 Chloroethane	64	1.057	1.044	0.013	99	13598	5.00	5.15	
9 Dichlorofluoromethane	67	1.160	1.154	0.006	97	38743	5.00	5.24	
10 Pentane	72	1.203	1.191	0.012	97	6628	10.0	12.0	
8 Trichlorofluoromethane	101	1.185	1.191	-0.006	97	37698	5.00	5.25	
11 Ethanol	46	1.325	1.307	0.018	73	3341	200.0	238.8	M
12 Ethyl ether	59	1.313	1.313	0.000	88	14809	5.00	5.36	
13 2-Methyl-1,3-butadiene	53	1.325	1.319	0.006	94	18416	5.00	5.60	
14 1,2-Dichloro-1,1,2-trifluo	117	1.349	1.337	0.012	81	18918	5.00	5.43	
15 Acrolein	56	1.386	1.386	0.000	60	11697	20.0	21.4	
16 1,1-Dichloroethene	96	1.441	1.435	0.006	93	16711	5.00	5.12	
17 1,1,2-Trichloro-1,2,2-trif	101	1.465	1.465	0.000	78	19834	5.00	5.55	
18 Acetone	43	1.477	1.471	0.006	82	37813	25.0	27.4	
19 Iodomethane	142	1.526	1.520	0.006	99	36189	5.00	5.19	
20 Carbon disulfide	76	1.557	1.557	0.000	100	55386	5.00	4.97	
21 Isopropyl alcohol	45	1.593	1.605	-0.012	24	13003	50.0	53.4	
22 3-Chloro-1-propene	76	1.654	1.648	0.006	90	11601	5.00	5.49	
25 Acetonitrile	40	1.648	1.648	0.000	78	14601	50.0	52.6	
24 Methyl acetate	43	1.672	1.666	0.006	100	30844	10.0	10.6	M
23 Cyclopentene	67	1.703	1.697	0.006	95	43868	5.00	5.64	
26 Methylene Chloride	84	1.733	1.733	0.000	95	22949	5.00	5.72	
* 27 TBA-d9 (IS)	65	1.800	1.794	0.006	0	323619	1000.0	1000.0	M
28 2-Methyl-2-propanol	59	1.855	1.855	0.000	91	18336	50.0	54.0	
31 Acrylonitrile	53	1.892	1.892	0.000	95	69535	50.0	53.4	
30 trans-1,2-Dichloroethene	96	1.910	1.910	0.000	95	18760	5.00	5.24	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methyl tert-butyl ether	73	1.935	1.928	0.007	97	51493	5.00	5.38	
32 Hexane	43	2.117	2.105	0.012	92	17828	5.00	5.52	
34 1,1-Dichloroethane	63	2.203	2.197	0.006	99	35615	5.00	5.52	
35 Vinyl acetate	86	2.258	2.264	-0.006	100	5665	10.0	10.6	a
36 2-Chloro-1,3-butadiene	88	2.276	2.270	0.006	90	16071	5.00	5.25	
33 Isopropyl ether	45	2.294	2.288	0.006	93	73525	5.00	5.65	
37 Tert-butyl ethyl ether	87	2.581	2.581	0.000	45	21381	5.00	5.15	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	388633	250.0	250.0	
38 2,2-Dichloropropane	41	2.672	2.666	0.006	63	23087	5.00	6.32	
40 cis-1,2-Dichloroethene	96	2.672	2.672	0.000	91	21078	5.00	5.38	
41 2-Butanone (MEK)	72	2.697	2.703	-0.006	89	9662	25.0	27.4	
44 Propionitrile	54	2.752	2.745	0.007	93	22315	50.0	47.0	M
43 Methyl acrylate	85	2.806	2.782	0.024	94	2834	5.00	6.06	M
42 Ethyl acetate	70	2.776	2.782	-0.006	98	3310	10.0	11.8	
46 Chlorobromomethane	128	2.873	2.867	0.006	50	11598	5.00	5.01	
47 Methacrylonitrile	67	2.880	2.879	0.001	96	71480	50.0	53.4	
45 Tetrahydrofuran	72	2.947	2.928	0.019	29	5120	10.0	11.7	M
48 Chloroform	83	2.971	2.965	0.006	95	36752	5.00	5.48	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	96	220598	50.0	49.8	
50 1,1,1-Trichloroethane	97	3.123	3.123	0.000	40	31290	5.00	4.97	
49 Cyclohexane	84	3.172	3.166	0.006	95	27496	5.00	5.37	
52 Carbon tetrachloride	117	3.282	3.276	0.006	83	28105	5.00	5.21	
53 1,1-Dichloropropene	75	3.276	3.276	0.000	91	25280	5.00	5.30	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	270270	50.0	50.5	
55 Benzene	78	3.483	3.477	0.006	98	67219	5.00	5.39	
60 1,2-Dichloroethane	62	3.507	3.514	-0.007	97	27406	5.00	5.11	
56 Isobutyl alcohol	74	3.562	3.550	0.012	1	339	125.0	41.4	Ma
54 Isooctane	57	3.605	3.605	0.000	94	53127	5.00	5.00	
59 Tert-amyl methyl ether	73	3.660	3.654	0.006	85	55906	5.00	5.18	
61 Isopropyl acetate	61	3.672	3.678	-0.006	94	5200	5.00	4.73	M
* 63 Fluorobenzene	96	3.800	3.794	0.006	98	601102	50.0	50.0	
62 n-Heptane	43	3.843	3.843	0.000	82	23843	5.00	4.98	a
64 Trichloroethene	95	4.221	4.221	0.000	97	18066	5.00	4.97	
65 n-Butanol	43	4.416	4.367	0.049	1	2635	125.0	88.1	Ma
66 Methylcyclohexane	83	4.446	4.446	0.000	87	27585	5.00	5.05	
67 Ethyl acrylate	55	4.452	4.452	0.000	92	40958	5.00	5.12	
69 1,2-Dichloropropane	63	4.489	4.483	0.006	82	17047	5.00	5.09	
72 Dibromomethane	93	4.635	4.629	0.006	52	11585	5.00	5.08	
* 70 1,4-Dioxane-d8	96	4.678	4.672	0.006	0	27034	1000.0	1000.0	
73 1,4-Dioxane	88	4.721	4.733	-0.012	26	2641	100.0	97.1	a
71 Methyl methacrylate	100	4.757	4.751	0.006	92	6619	10.0	8.72	
74 n-Propyl acetate	43	4.885	4.879	0.006	81	24155	5.00	5.02	
75 Dichlorobromomethane	83	4.885	4.879	0.006	98	22779	5.00	4.96	
76 2-Nitropropane	41	5.221	5.214	0.007	94	6042	10.0	7.30	M
77 2-Chloroethyl vinyl ether	63	5.403	5.385	0.018	39	3869	5.01	4.53	
78 Epichlorohydrin	62	5.428	5.422	0.006	98	4744	100.0	92.5	
79 cis-1,3-Dichloropropene	75	5.538	5.537	0.001	97	21906	5.00	4.79	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	96	98646	25.0	23.5	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	694144	50.0	50.0	
82 Toluene	91	6.013	6.007	0.006	92	65799	5.00	5.19	
83 trans-1,3-Dichloropropene	75	6.452	6.446	0.006	96	17376	5.00	4.44	
86 1,1,2-Trichloroethane	83	6.720	6.720	0.000	90	10917	5.00	4.83	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Ethyl methacrylate	69	6.732	6.726	0.006	86	17515	5.00	4.91	a
85 Tetrachloroethene	166	6.879	6.879	0.000	92	16872	5.00	5.04	
87 1,3-Dichloropropane	76	6.970	6.976	-0.006	97	22854	5.00	5.12	
88 2-Hexanone	43	7.269	7.269	0.000	97	52292	25.0	21.6	
89 Chlorodibromomethane	129	7.342	7.348	-0.006	97	15054	5.00	4.68	
91 Ethylene Dibromide	107	7.476	7.470	0.006	98	13877	5.00	5.04	
90 n-Butyl acetate	73	7.598	7.598	0.000	95	3084	5.00	5.07	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	87	458816	50.0	50.0	
93 Chlorobenzene	112	8.427	8.427	0.000	95	43637	5.00	5.21	
95 1,1,1,2-Tetrachloroethane	131	8.647	8.647	0.000	89	15826	5.00	4.81	
94 Ethylbenzene	106	8.732	8.726	0.006	99	23335	5.00	5.23	
96 m-Xylene & p-Xylene	106	8.976	8.970	0.006	0	28373	5.00	5.16	
97 o-Xylene	106	9.683	9.683	0.000	93	27593	5.00	4.84	
99 Styrene	104	9.720	9.720	0.000	95	40523	5.00	4.81	
98 n-Butyl acrylate	73	9.884	9.884	0.000	91	8091	5.00	4.60	
100 Bromoform	173	9.970	9.976	-0.006	93	8901	5.00	4.63	
101 Amyl acetate (mixed isomer	43	10.354	10.348	0.006	89	23729	5.00	3.92	
102 Isopropylbenzene	105	10.396	10.396	0.000	96	74912	5.00	4.92	
$ 103 4-Bromofluorobenzene	174	10.610	10.604	0.006	91	222666	50.0	51.3	
104 Bromobenzene	156	10.787	10.780	0.007	94	19929	5.00	5.06	
107 1,2,3-Trichloropropane	110	10.988	10.994	-0.006	87	6067	5.00	4.92	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	95	19333	5.00	4.77	
108 trans-1,4-Dichloro-2-buten	53	11.110	11.103	0.007	41	3902	5.00	4.04	M
106 N-Propylbenzene	120	11.134	11.128	0.006	99	18870	5.00	4.44	
109 2-Chlorotoluene	126	11.189	11.189	0.000	98	17325	5.00	4.41	
110 4-Ethyltoluene	105	11.347	11.347	0.000	97	68626	5.00	4.48	
112 4-Chlorotoluene	91	11.390	11.390	0.000	99	55975	5.00	4.52	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	92	62483	5.00	4.59	
113 Butyl Methacrylate	87	11.835	11.841	-0.006	97	15513	5.00	4.70	
114 tert-Butylbenzene	91	12.030	12.036	-0.006	93	32555	5.00	4.57	
115 1,2,4-Trimethylbenzene	105	12.128	12.134	-0.006	98	63387	5.00	4.70	
116 sec-Butylbenzene	105	12.481	12.487	-0.006	98	77133	5.00	4.76	
117 1,3-Dichlorobenzene	146	12.579	12.579	0.000	95	37925	5.00	5.15	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	97	257687	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.756	12.750	0.006	91	38260	5.00	5.06	
118 4-Isopropyltoluene	119	12.798	12.804	-0.006	97	64812	5.00	4.52	
121 1,2,3-Trimethylbenzene	105	12.884	12.884	0.000	99	68821	5.00	4.71	
122 Benzyl chloride	126	12.987	12.993	-0.006	97	3582	5.00	2.79	
123 2,3-Dihydroindene	117	13.097	13.103	-0.006	93	62026	5.00	4.35	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	94	34132	5.00	4.36	
124 p-Diethylbenzene	105	13.286	13.286	0.000	93	33962	5.00	4.14	
125 n-Butylbenzene	92	13.310	13.304	0.006	97	30916	5.00	4.05	
128 1,2-Dibromo-3-Chloropropan	75	13.944	13.944	0.000	82	2688	5.00	3.02	
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	97	58899	5.00	4.02	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	95	27003	5.00	4.38	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	93	23029	5.00	4.35	
131 Hexachlorobutadiene	225	14.664	14.664	0.000	91	9454	5.00	4.68	
132 Naphthalene	128	14.682	14.682	0.000	99	54791	5.00	4.01	
133 1,2,3-Trichlorobenzene	180	14.835	14.834	0.001	94	22957	5.00	4.01	
S 134 1,2-Dichloroethene, Total	100				0		10.0	10.6	
S 135 Xylenes, Total	100				0		10.0	10.0	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00347	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00110	Amount Added:	10.00	Units: uL	
524freon_00016	Amount Added:	10.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 31-Dec-2019 09:41:58 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D

Injection Date: 27-Dec-2019 12:31:30 Instrument ID: CVOAMS2 Operator ID:

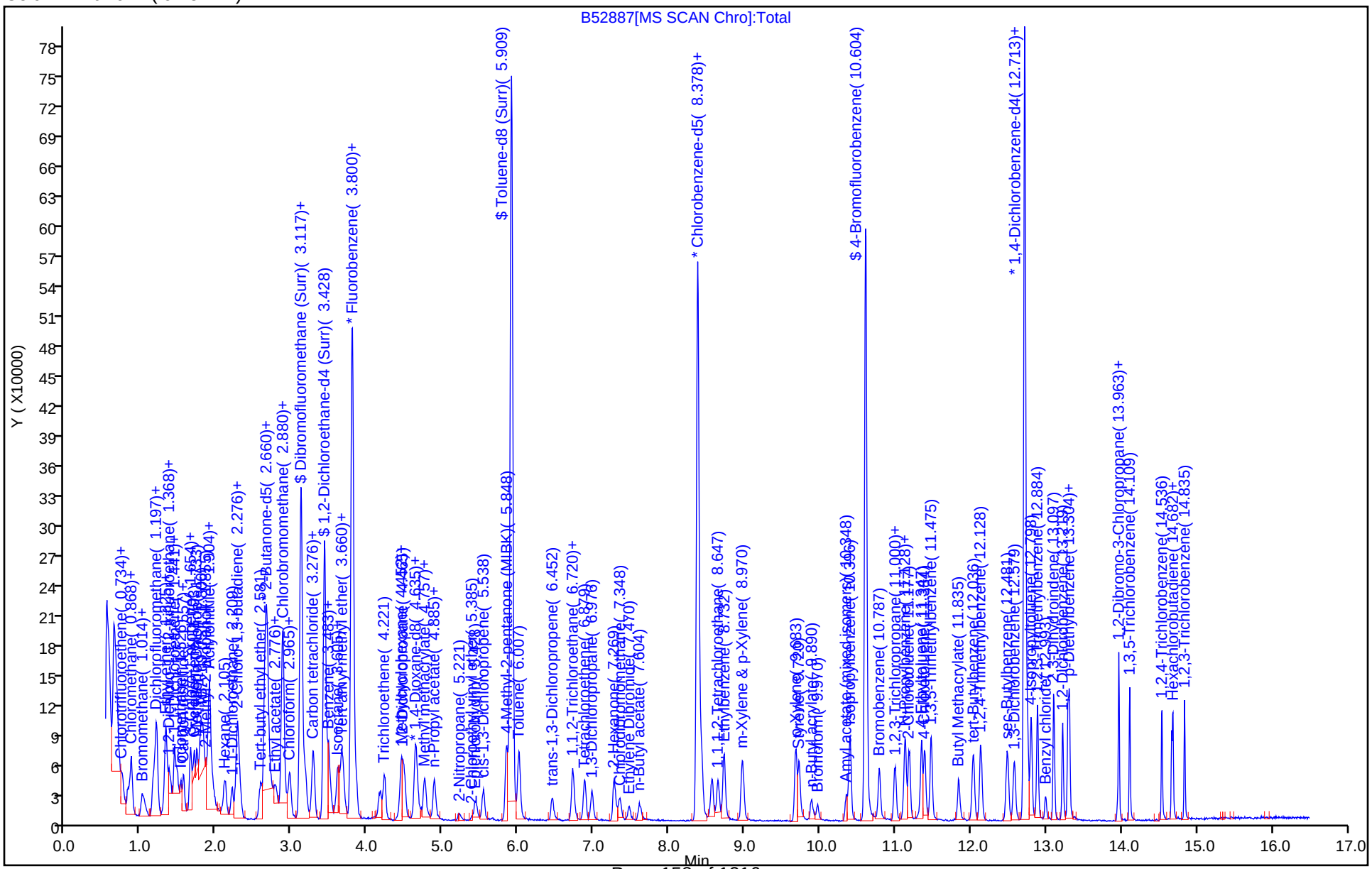
Lims ID: STD5 Worklist Smp#: 6

Client ID:

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

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

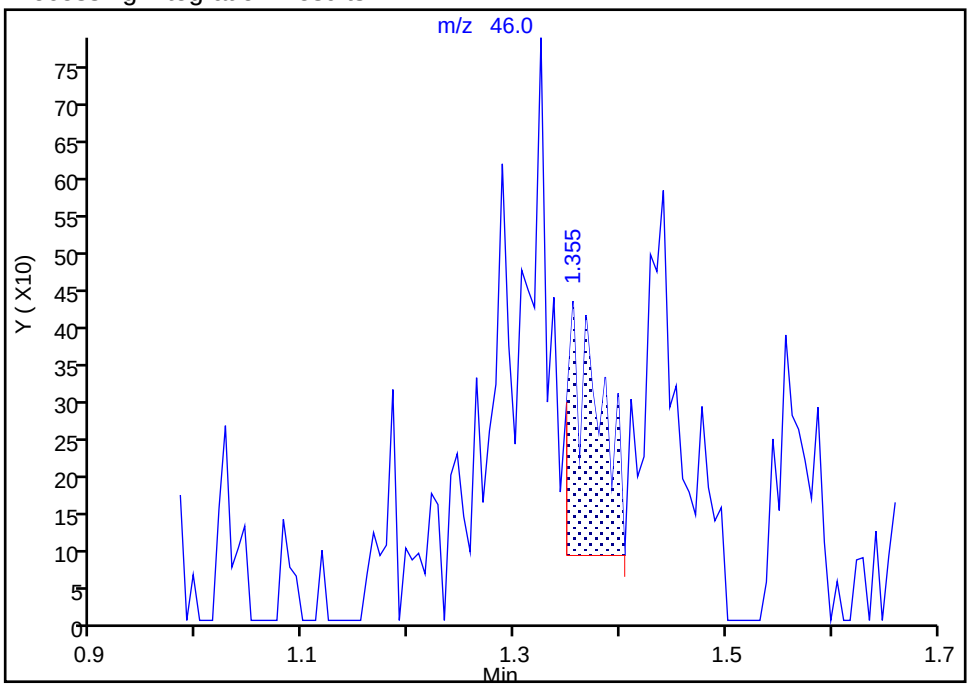
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

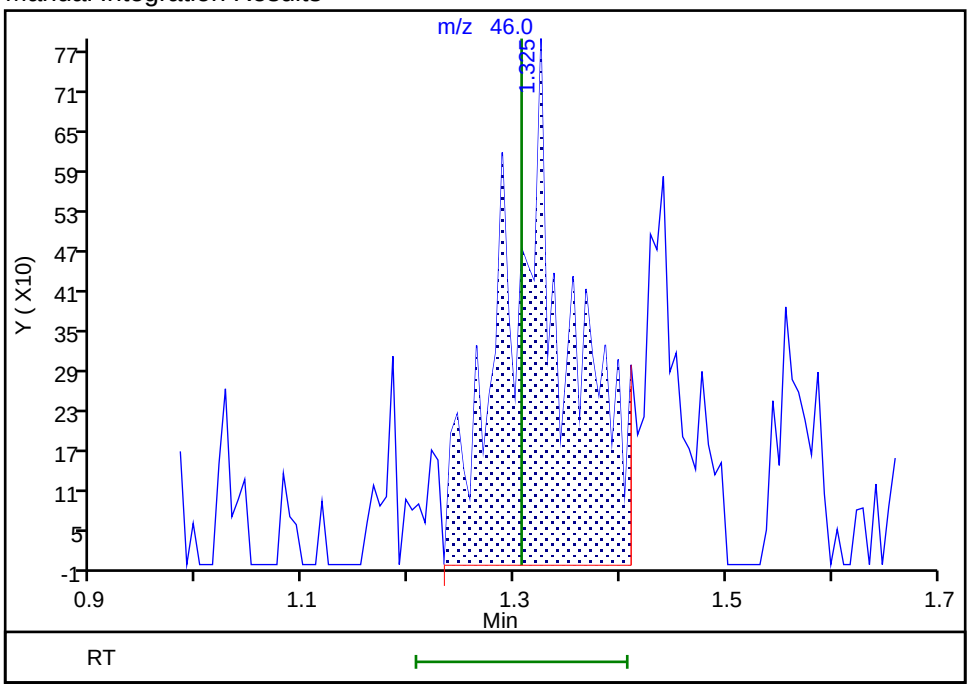
Processing Integration Results

RT: 1.36
Area: 704
Amount: 62.124094
Amount Units: ug/l



Manual Integration Results

RT: 1.32
Area: 3341
Amount: 238.7618
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:40:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

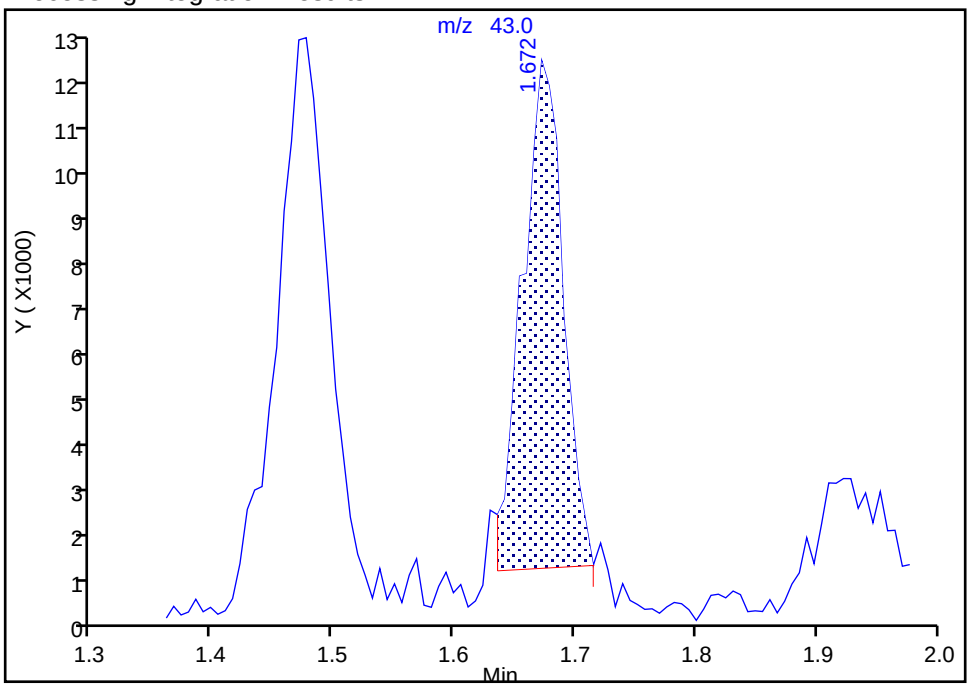
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D
Injection Date: 27-Dec-2019 12:31:30 Instrument ID: CVOAMS2
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Methyl acetate, CAS: 79-20-9

Signal: 1

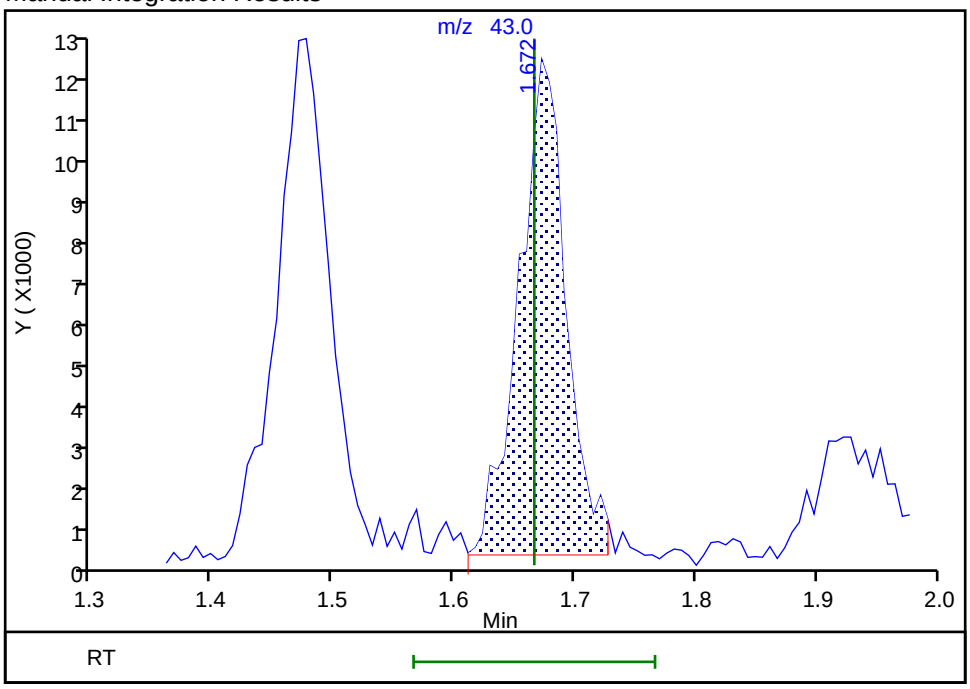
Processing Integration Results

RT: 1.67
Area: 24720
Amount: 7.551822
Amount Units: ug/l



Manual Integration Results

RT: 1.67
Area: 30844
Amount: 10.649100
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:40:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

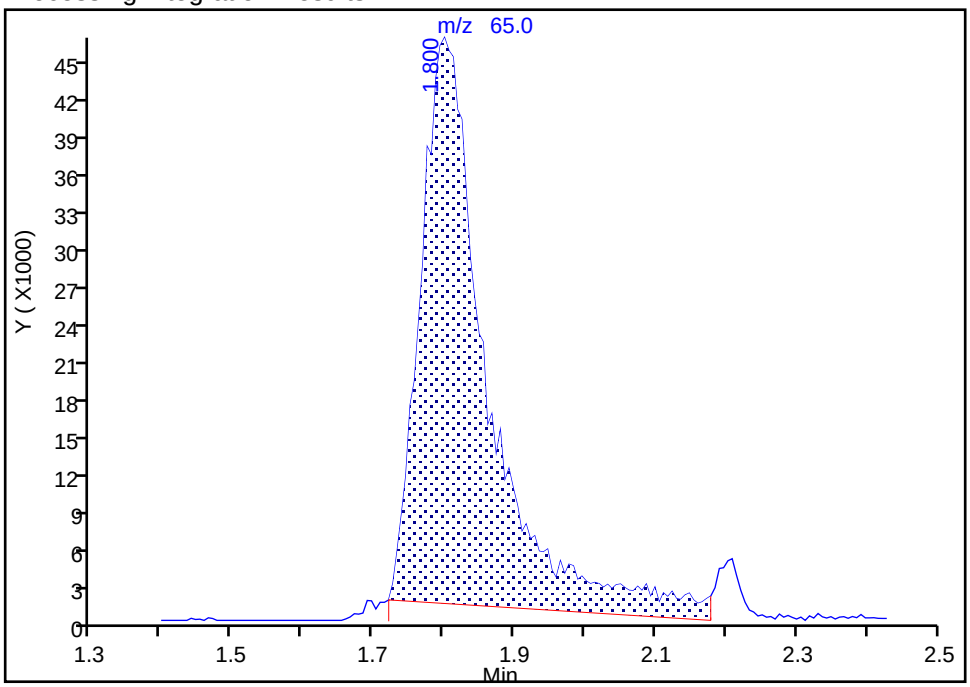
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

* 27 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

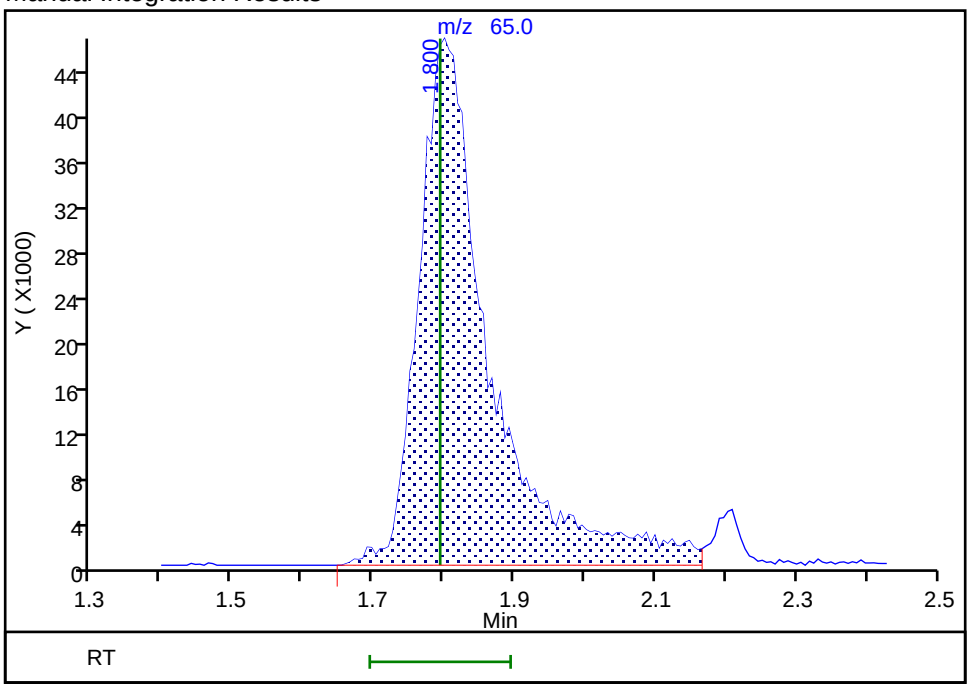
Processing Integration Results

RT: 1.80
Area: 299244
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 1.80
Area: 323619
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:39:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

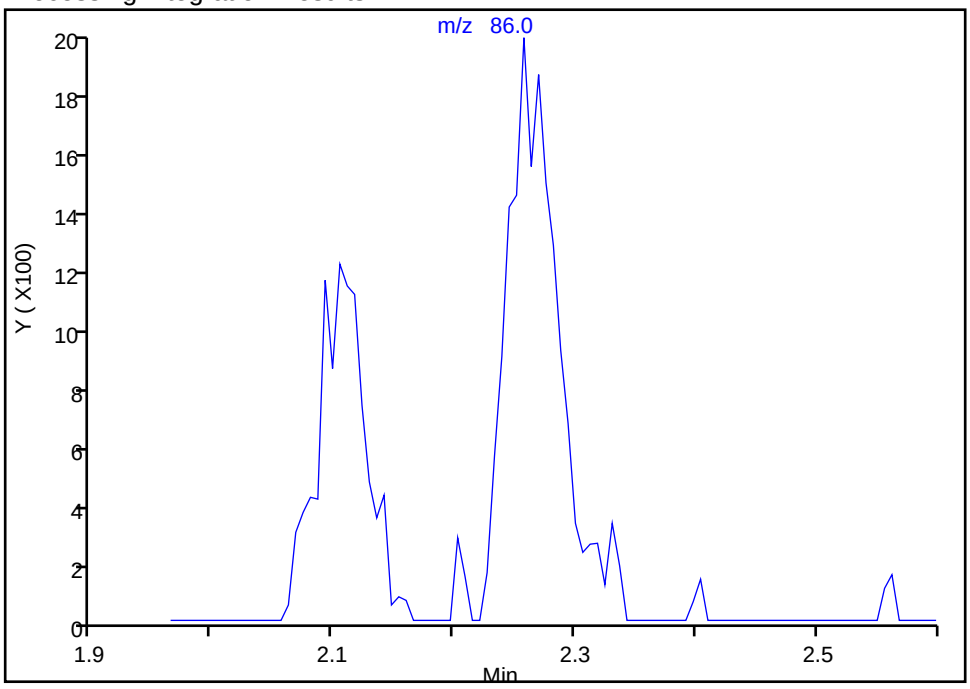
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

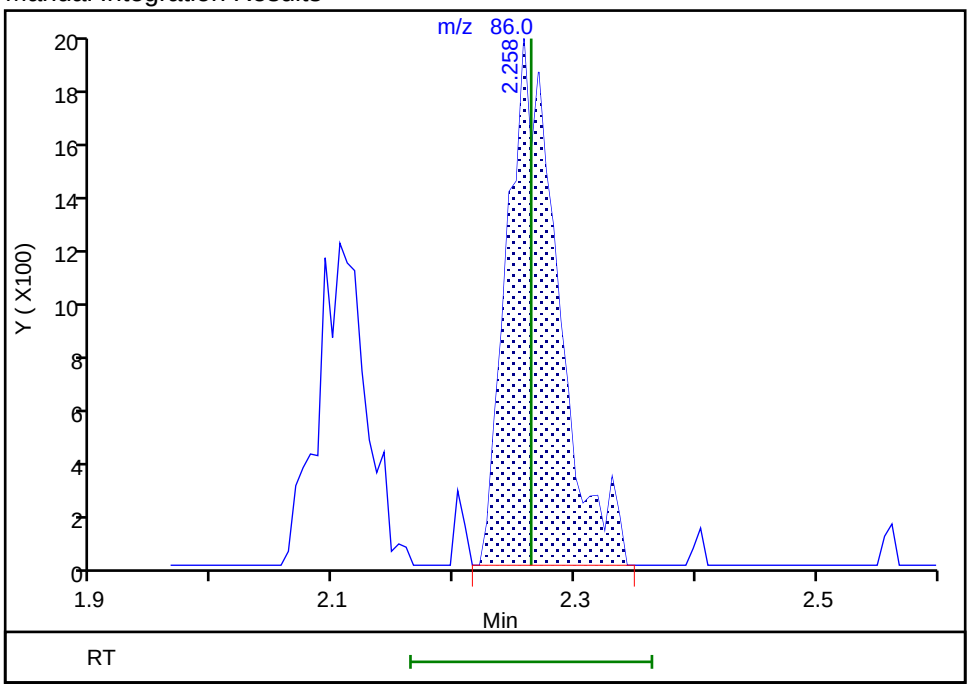
Not Detected
Expected RT: 2.26

Processing Integration Results



Manual Integration Results

RT: 2.26
Area: 5665
Amount: 10.589407
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:40:35
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

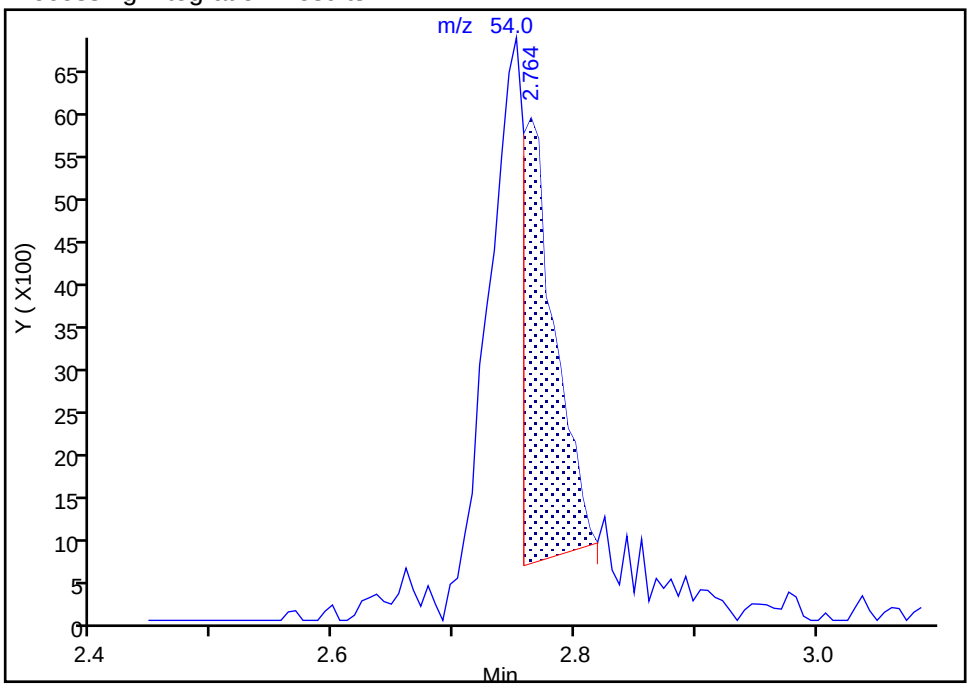
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D
Injection Date: 27-Dec-2019 12:31:30 Instrument ID: CVOAMS2
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 Propionitrile, CAS: 107-12-0

Signal: 1

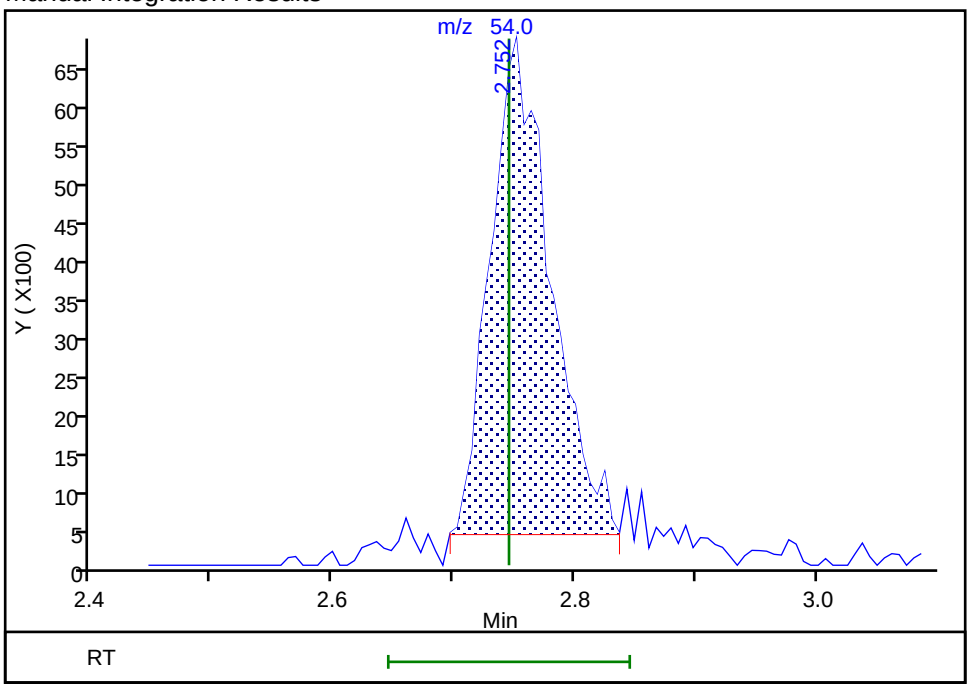
Processing Integration Results

RT: 2.76
Area: 9764
Amount: 22.328356
Amount Units: ug/l



Manual Integration Results

RT: 2.75
Area: 22315
Amount: 47.011723
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:40:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

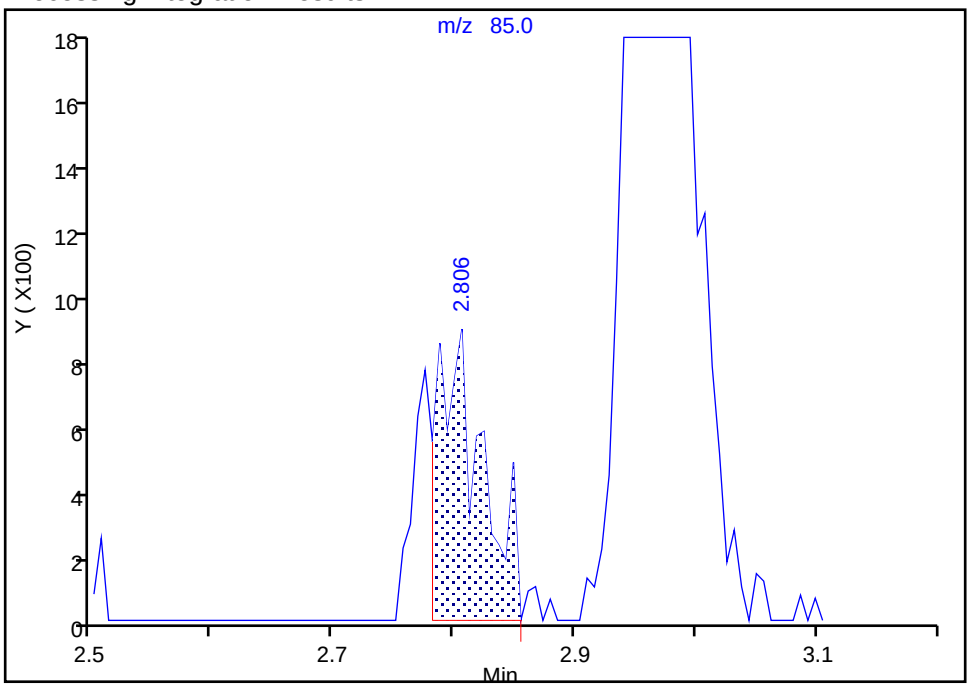
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D
Injection Date: 27-Dec-2019 12:31:30 Instrument ID: CVOAMS2
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Signal: 1

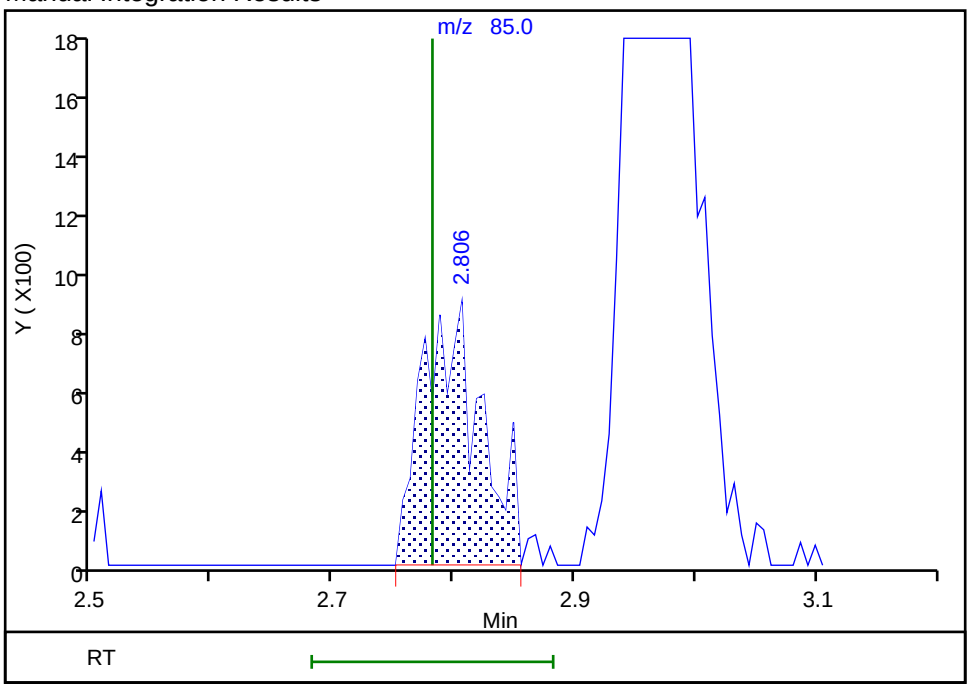
Processing Integration Results

RT: 2.81
Area: 2173
Amount: 5.041644
Amount Units: ug/l



Manual Integration Results

RT: 2.81
Area: 2834
Amount: 6.057671
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:40:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

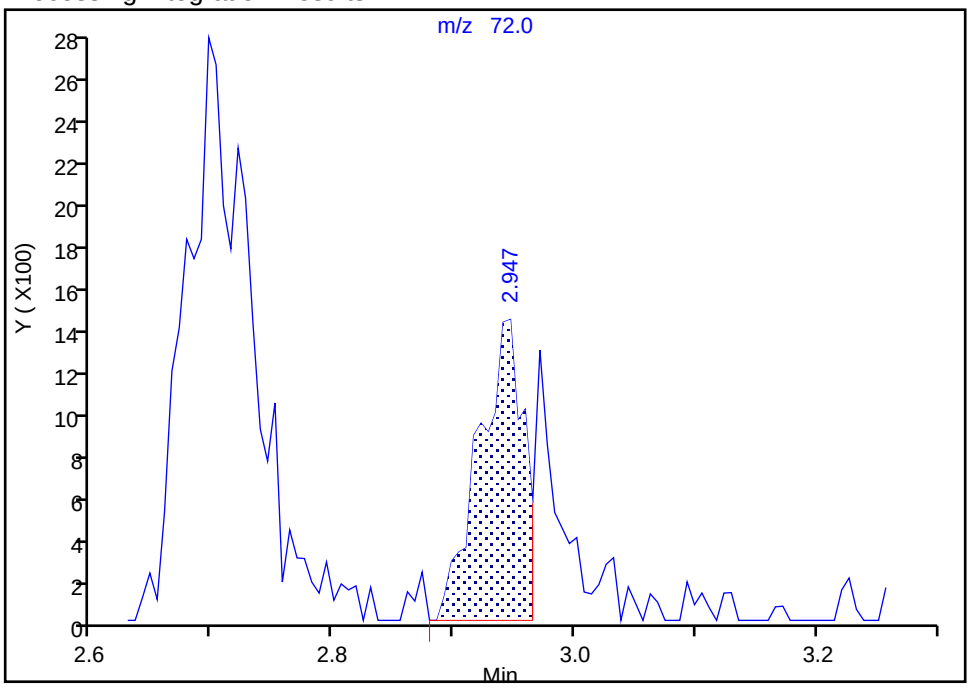
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

45 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

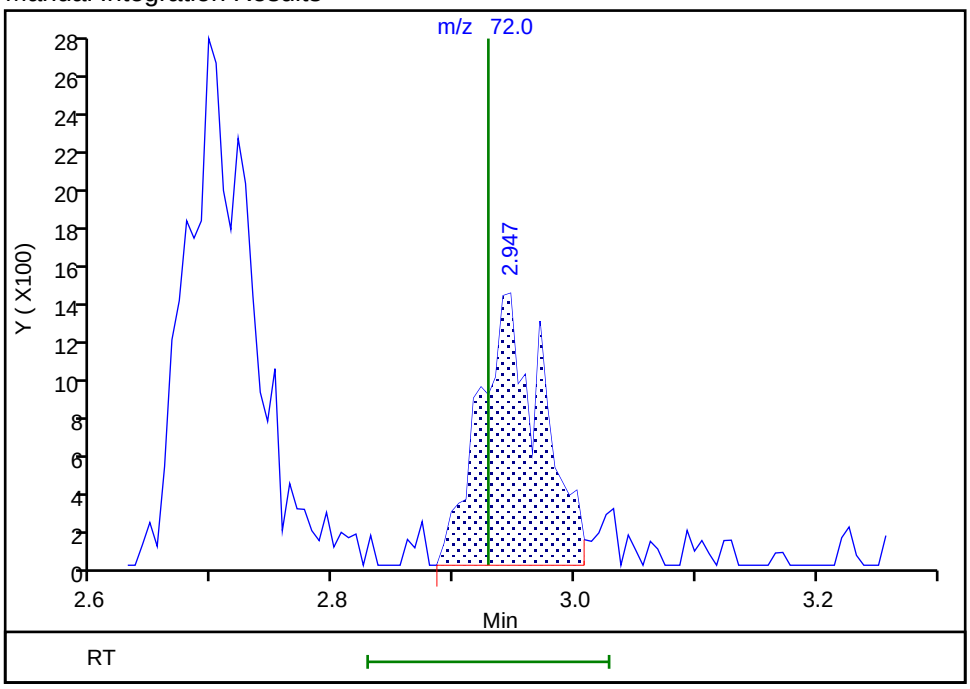
Processing Integration Results

RT: 2.95
Area: 3677
Amount: 9.119067
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 5120
Amount: 11.673089
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:41:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

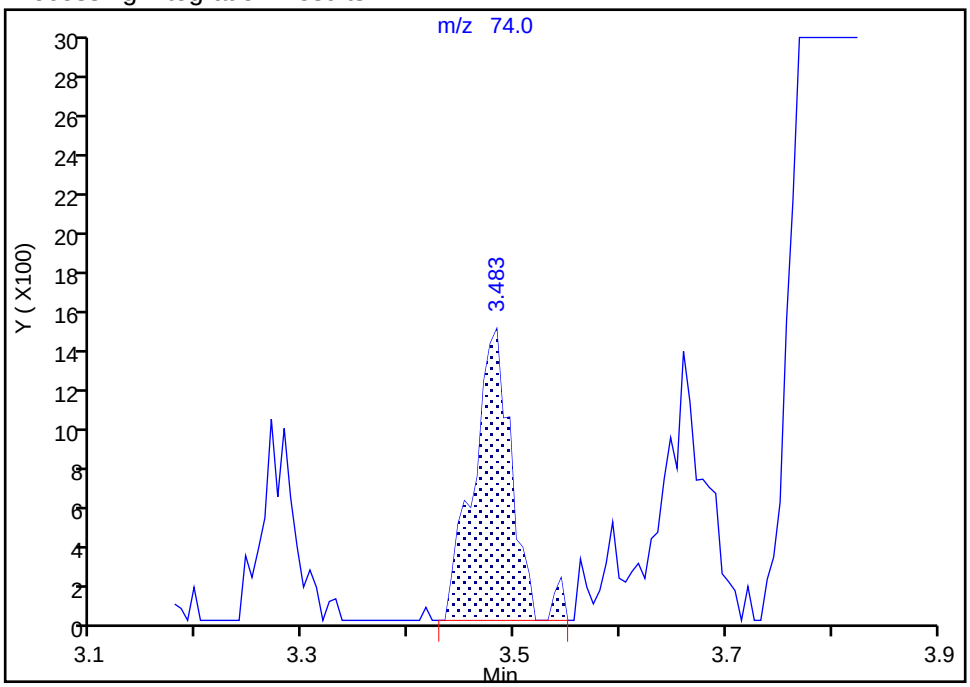
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D
Injection Date: 27-Dec-2019 12:31:30 Instrument ID: CVOAMS2
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

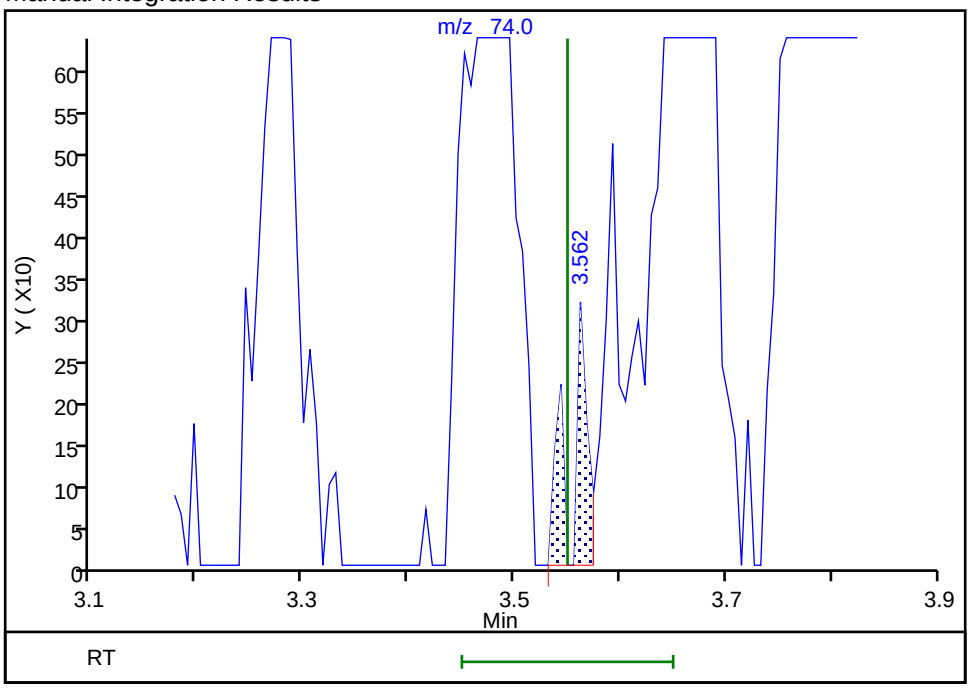
Processing Integration Results

RT: 3.48
Area: 3756
Amount: 190.1074
Amount Units: ug/l



Manual Integration Results

RT: 3.56
Area: 339
Amount: 41.427114
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:41:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

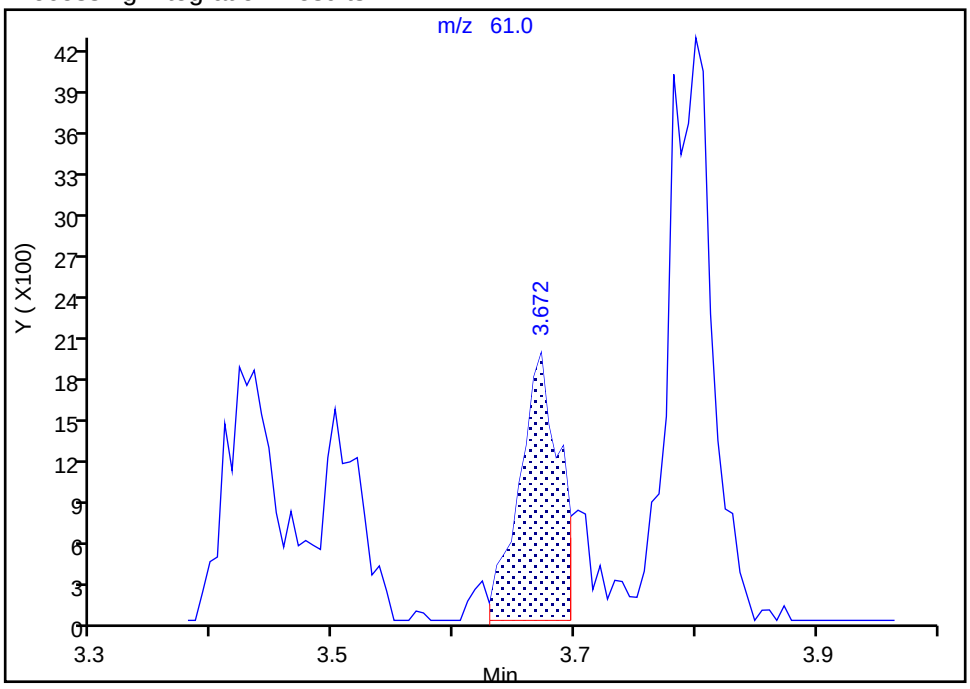
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D
Injection Date: 27-Dec-2019 12:31:30 Instrument ID: CVOAMS2
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

61 Isopropyl acetate, CAS: 108-21-4

Signal: 1

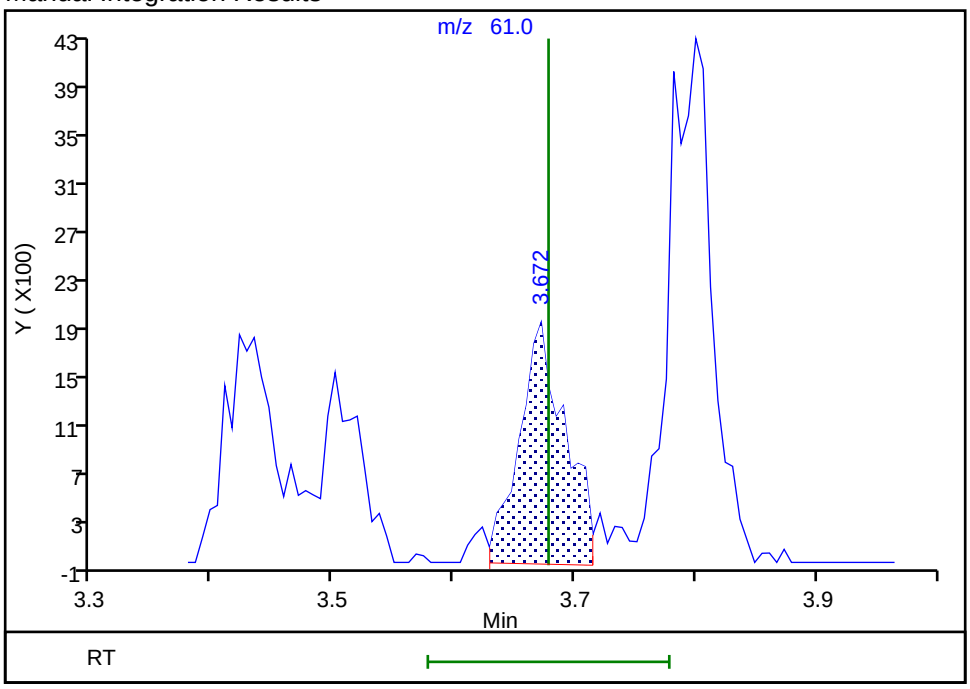
Processing Integration Results

RT: 3.67
Area: 4466
Amount: 4.046723
Amount Units: ug/l



Manual Integration Results

RT: 3.67
Area: 5200
Amount: 4.729109
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:41:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

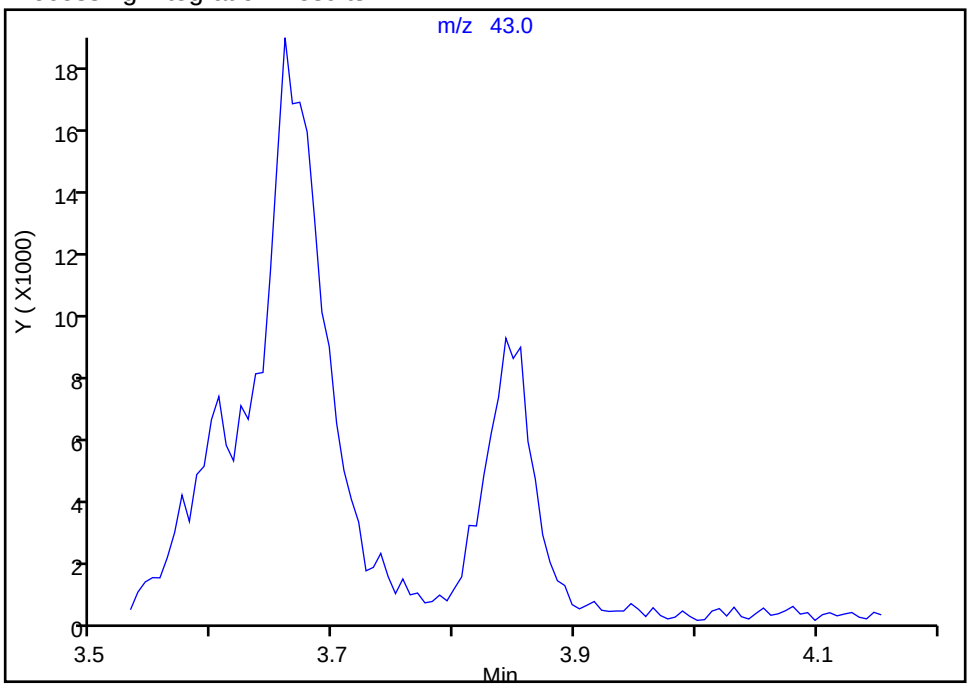
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D				
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2		
Lims ID:	STD5				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

62 n-Heptane, CAS: 142-82-5

Signal: 1

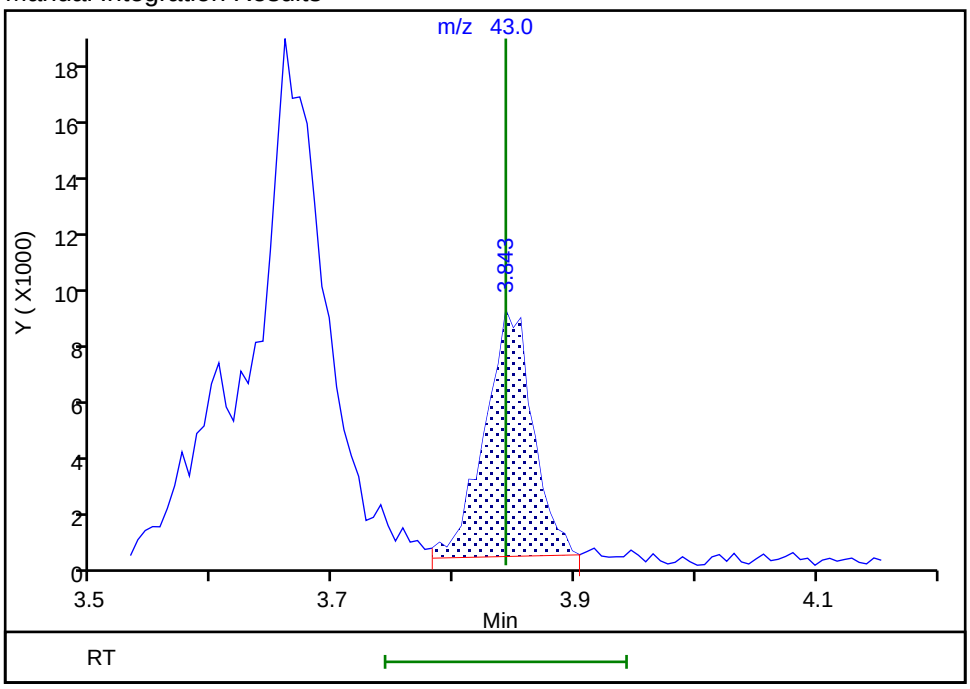
Not Detected
Expected RT: 3.84

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 23843
Amount: 4.978114
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:41:39
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

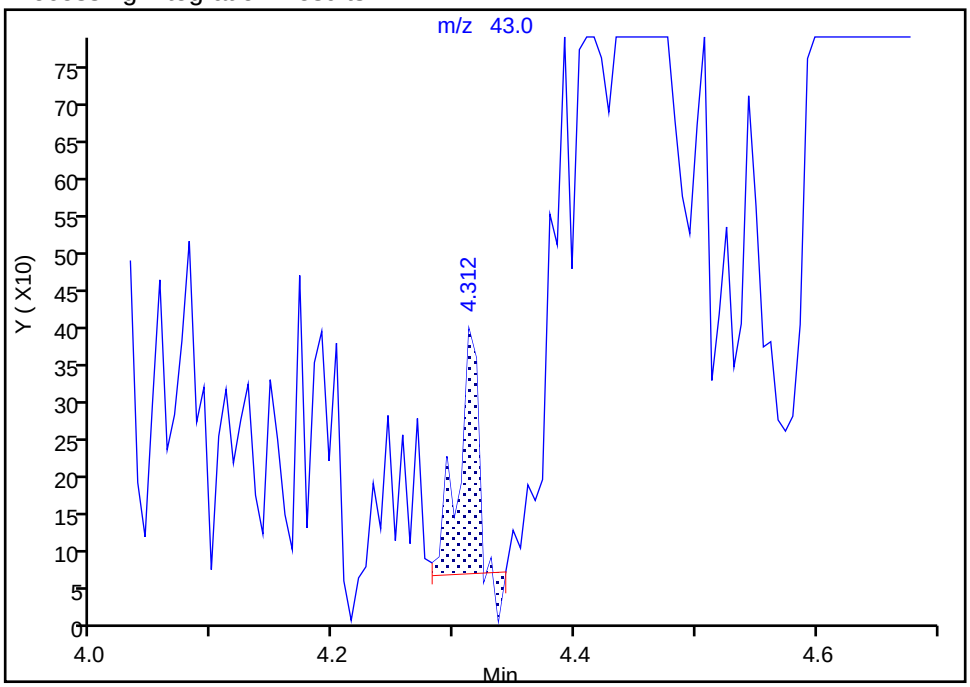
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D
Injection Date: 27-Dec-2019 12:31:30 Instrument ID: CVOAMS2
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

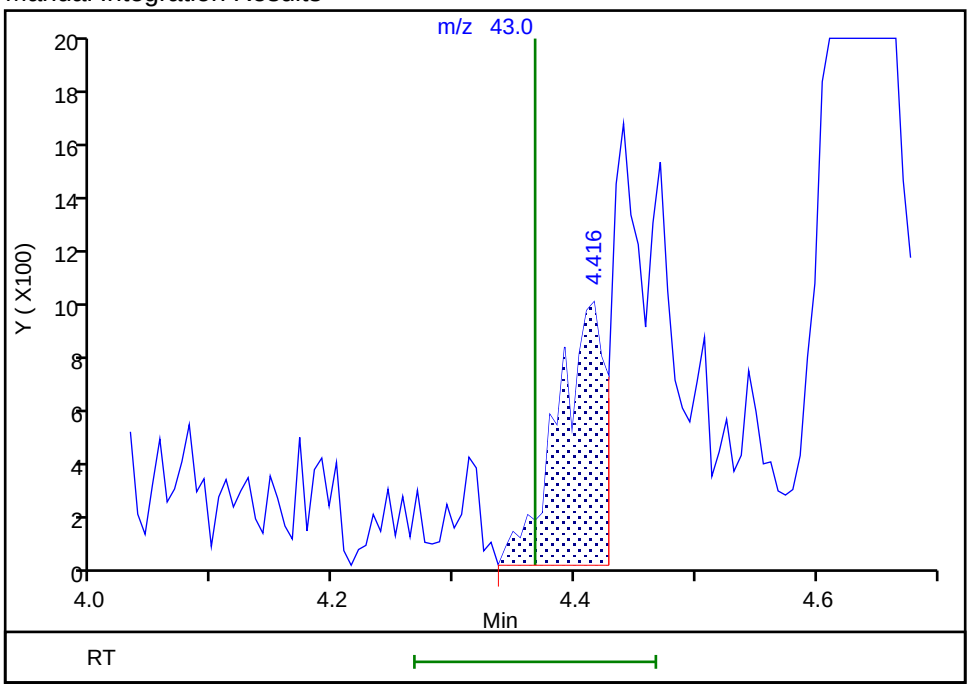
Processing Integration Results

RT: 4.31
Area: 350
Amount: 36.623911
Amount Units: ug/l



Manual Integration Results

RT: 4.42
Area: 2635
Amount: 88.086212
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:41:55
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

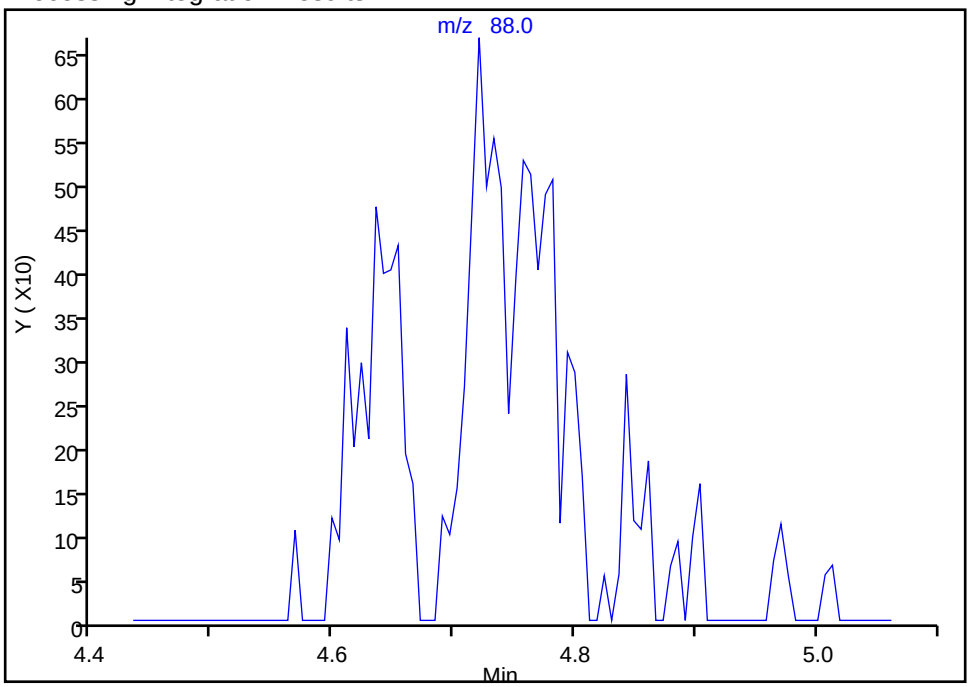
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

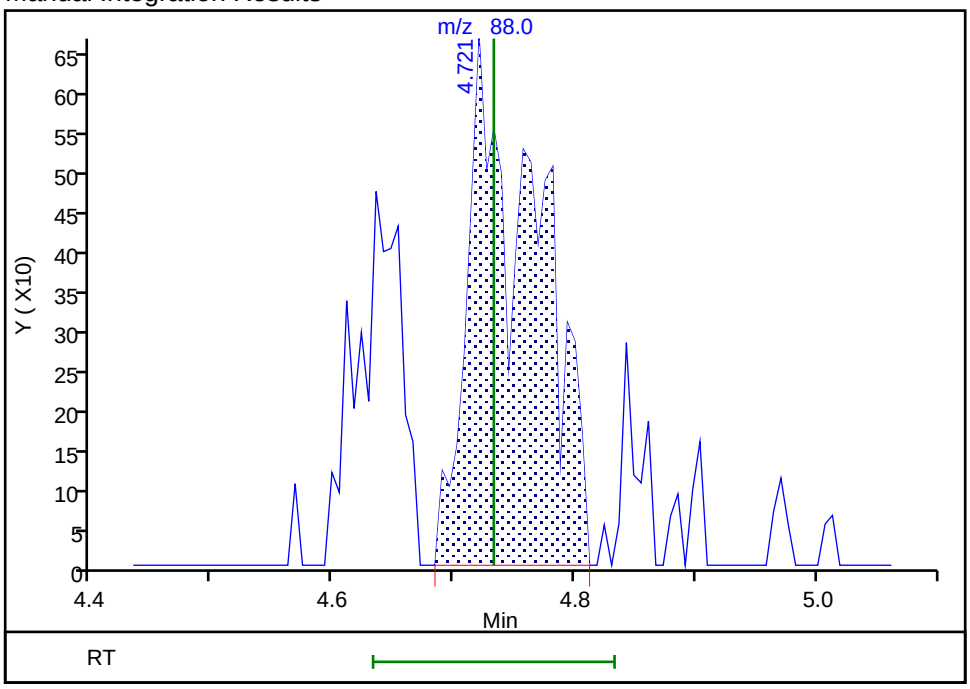
Not Detected
Expected RT: 4.73

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 2641
Amount: 97.116524
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:42:14
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

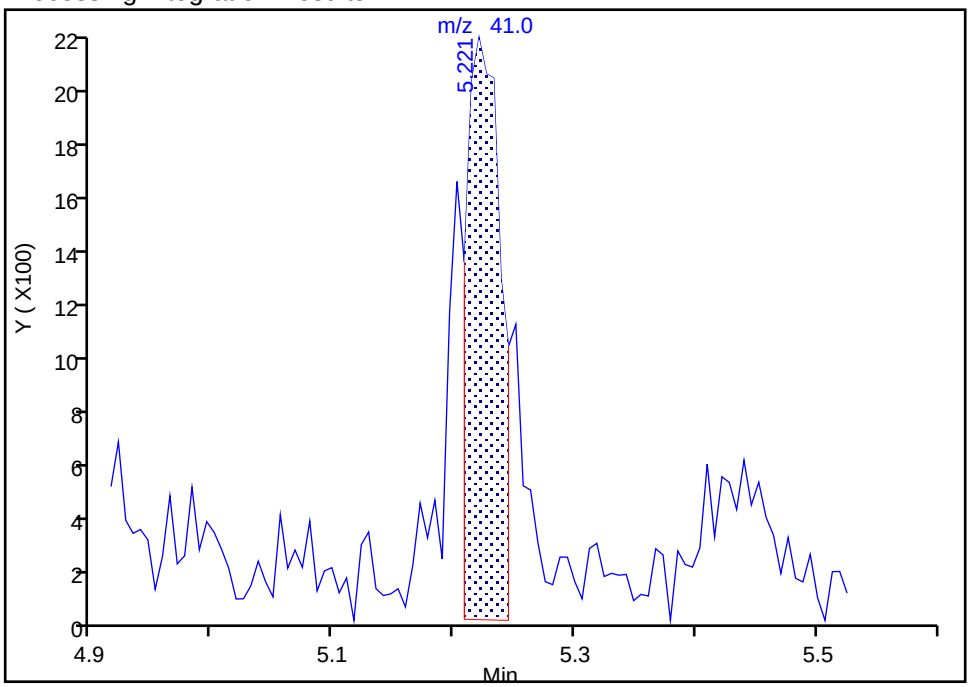
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

76 2-Nitropropane, CAS: 79-46-9

Signal: 1

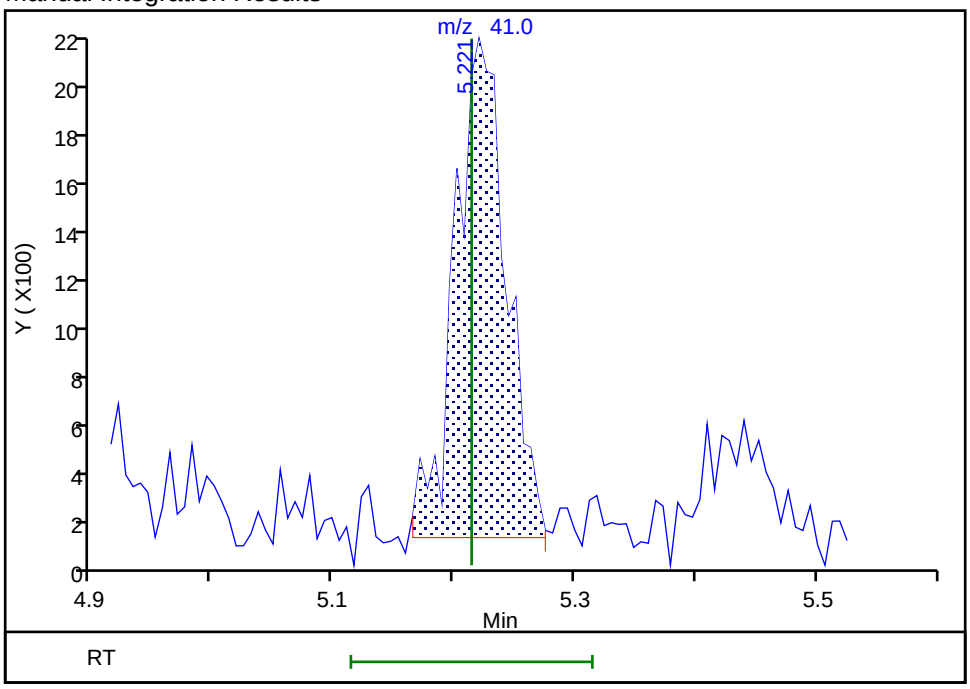
Processing Integration Results

RT: 5.22
Area: 4302
Amount: 6.108637
Amount Units: ug/l



Manual Integration Results

RT: 5.22
Area: 6042
Amount: 7.303883
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:42:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

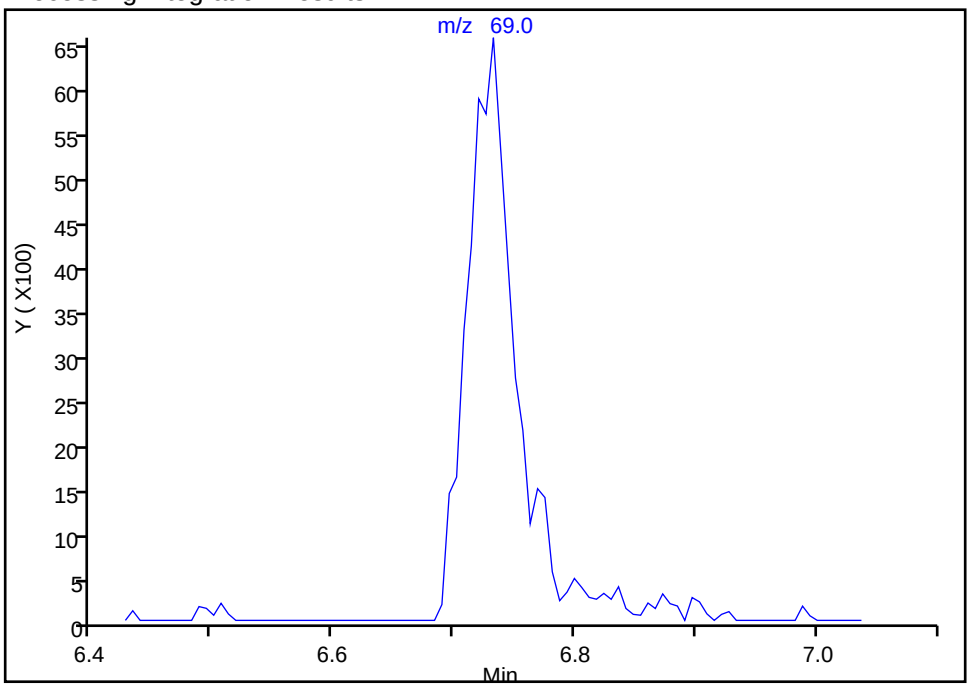
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

84 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

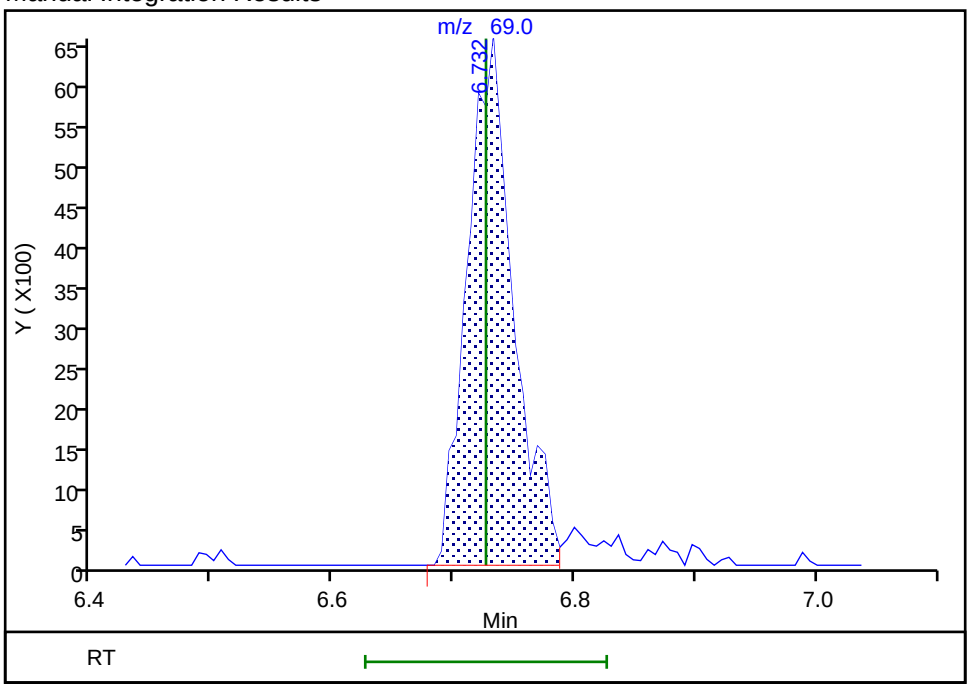
Not Detected
Expected RT: 6.73

Processing Integration Results



Manual Integration Results

RT: 6.73
Area: 17515
Amount: 4.908837
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:42:36
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

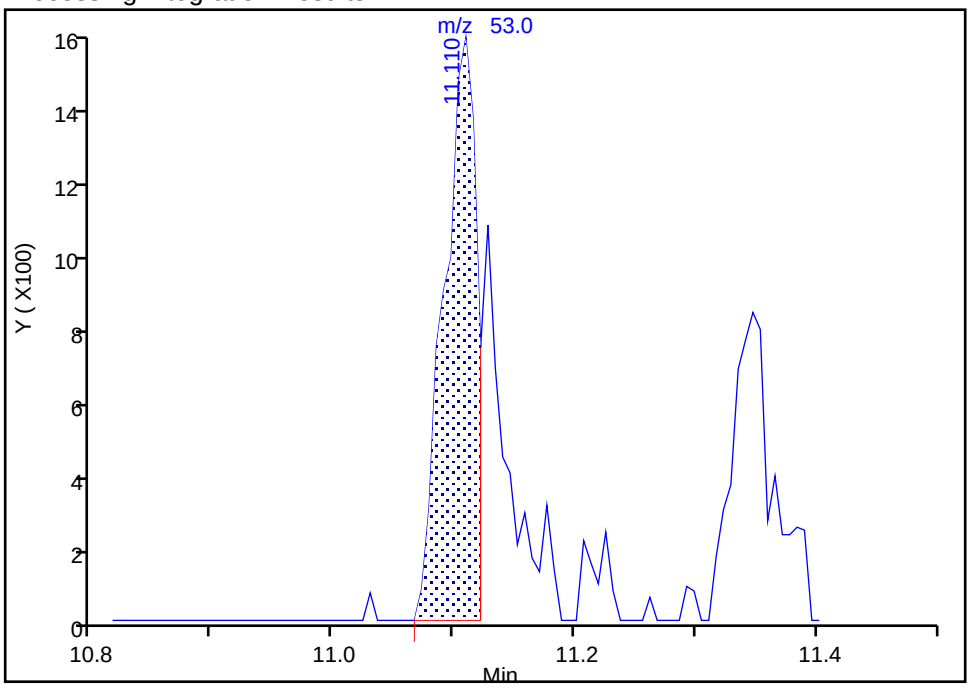
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52887.D		
Injection Date:	27-Dec-2019 12:31:30	Instrument ID:	CVOAMS2
Lims ID:	STD5		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

108 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

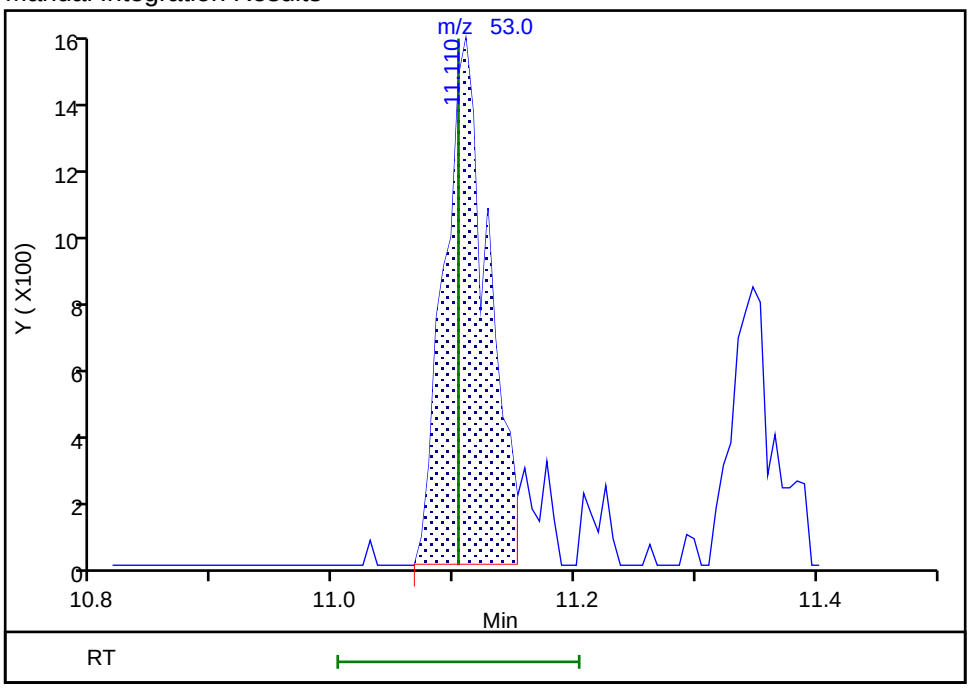
Processing Integration Results

RT: 11.11
Area: 2916
Amount: 3.023273
Amount Units: ug/l



Manual Integration Results

RT: 11.11
Area: 3902
Amount: 4.041809
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:42:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52888.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 27-Dec-2019 12:55:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0103524-007
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 31-Dec-2019 09:41:28 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: martineze Date: 27-Dec-2019 15:29:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.727	0.727	0.000	86	35182	20.0	19.1	
2 Dichlorodifluoromethane	85	0.734	0.734	0.000	96	136361	20.0	19.4	
3 Chloromethane	50	0.819	0.819	0.000	99	155593	20.0	20.4	
4 Butadiene	54	0.862	0.862	0.000	87	84377	20.0	19.5	
5 Vinyl chloride	62	0.868	0.868	0.000	97	98143	20.0	20.2	
6 Bromomethane	94	1.008	1.008	0.000	97	71128	20.0	19.3	
7 Chloroethane	64	1.044	1.044	0.000	98	52327	20.0	19.7	
9 Dichlorofluoromethane	67	1.154	1.154	0.000	98	153456	20.0	20.6	
10 Pentane	72	1.191	1.191	0.000	94	20188	40.0	38.0	
8 Trichlorofluoromethane	101	1.191	1.191	0.000	60	142350	20.0	19.7	
11 Ethanol	46	1.307	1.307	0.000	79	10180	800.0	759.0	
12 Ethyl ether	59	1.313	1.313	0.000	73	57034	20.0	20.5	
13 2-Methyl-1,3-butadiene	53	1.319	1.319	0.000	96	69207	20.0	20.9	
14 1,2-Dichloro-1,1,2-trifluo	117	1.337	1.337	0.000	78	72672	20.0	20.7	
15 Acrolein	56	1.386	1.386	0.000	56	24139	40.0	45.8	
16 1,1-Dichloroethene	96	1.435	1.435	0.000	95	65996	20.0	20.1	
17 1,1,2-Trichloro-1,2,2-trif	101	1.465	1.465	0.000	62	71359	20.0	19.8	
18 Acetone	43	1.471	1.471	0.000	84	127967	100.0	95.7	
19 Iodomethane	142	1.520	1.520	0.000	99	143780	20.0	20.5	
20 Carbon disulfide	76	1.557	1.557	0.000	100	215551	20.0	19.2	
21 Isopropyl alcohol	45	1.605	1.605	0.000	96	42592	200.0	181.4	
22 3-Chloro-1-propene	76	1.648	1.648	0.000	90	40862	20.0	19.2	
25 Acetonitrile	40	1.648	1.648	0.000	79	62601	200.0	223.9	a
24 Methyl acetate	43	1.666	1.666	0.000	99	118943	40.0	40.8	
23 Cyclopentene	67	1.697	1.697	0.000	95	159481	20.0	20.4	
26 Methylene Chloride	84	1.733	1.733	0.000	97	80558	20.0	19.9	
* 27 TBA-d9 (IS)	65	1.794	1.794	0.000	0	311964	1000.0	1000.0	
28 2-Methyl-2-propanol	59	1.855	1.855	0.000	67	64628	200.0	197.3	
31 Acrylonitrile	53	1.892	1.892	0.000	95	281662	200.0	214.7	
30 trans-1,2-Dichloroethene	96	1.910	1.910	0.000	96	74158	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
29 Methyl tert-butyl ether	73	1.928	1.928	0.000	97	195333	20.0	20.3	
32 Hexane	43	2.105	2.105	0.000	93	62784	20.0	19.3	
34 1,1-Dichloroethane	63	2.197	2.197	0.000	99	130645	20.0	20.1	
35 Vinyl acetate	86	2.264	2.264	0.000	100	21621	40.0	41.9	
36 2-Chloro-1,3-butadiene	88	2.270	2.270	0.000	72	59934	20.0	19.4	
33 Isopropyl ether	45	2.288	2.288	0.000	94	269121	20.0	20.5	
37 Tert-butyl ethyl ether	87	2.581	2.581	0.000	89	87640	20.0	21.0	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	377067	250.0	250.0	
38 2,2-Dichloropropane	41	2.666	2.666	0.000	65	74084	20.0	20.1	
40 cis-1,2-Dichloroethene	96	2.672	2.672	0.000	94	78396	20.0	19.8	
41 2-Butanone (MEK)	72	2.703	2.703	0.000	99	36725	100.0	107.2	
44 Propionitrile	54	2.745	2.745	0.000	96	93339	200.0	204.0	a
43 Methyl acrylate	85	2.782	2.782	0.000	57	9936	20.0	21.1	
42 Ethyl acetate	70	2.782	2.782	0.000	98	11614	40.0	42.5	
46 Chlorobromomethane	128	2.867	2.867	0.000	50	43983	20.0	18.9	
47 Methacrylonitrile	67	2.879	2.879	0.000	96	285021	200.0	211.2	
45 Tetrahydrofuran	72	2.928	2.928	0.000	87	19052	40.0	44.8	
48 Chloroform	83	2.965	2.965	0.000	97	135595	20.0	20.1	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	96	219909	50.0	49.3	
50 1,1,1-Trichloroethane	97	3.123	3.123	0.000	62	123997	20.0	19.6	
49 Cyclohexane	84	3.166	3.166	0.000	92	105173	20.0	20.4	
52 Carbon tetrachloride	117	3.276	3.276	0.000	87	104627	20.0	19.2	
53 1,1-Dichloropropene	75	3.276	3.276	0.000	90	96608	20.0	20.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	268317	50.0	49.8	
55 Benzene	78	3.477	3.477	0.000	98	255647	20.0	20.5	
60 1,2-Dichloroethane	62	3.514	3.514	0.000	97	107366	20.0	19.9	
56 Isobutyl alcohol	74	3.550	3.550	0.000	1	3992	500.0	506.1	a
54 Isooctane	57	3.605	3.605	0.000	96	210393	20.0	19.7	
59 Tert-amyl methyl ether	73	3.654	3.654	0.000	84	224603	20.0	20.7	
61 Isopropyl acetate	61	3.678	3.678	0.000	91	22852	20.0	20.6	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	605479	50.0	50.0	
62 n-Heptane	43	3.843	3.843	0.000	96	97300	20.0	20.2	
64 Trichloroethene	95	4.221	4.221	0.000	98	71138	20.0	19.4	
65 n-Butanol	43	4.367	4.367	0.000	1	8150	500.0	282.6	
66 Methylcyclohexane	83	4.446	4.446	0.000	88	109744	20.0	19.9	
67 Ethyl acrylate	55	4.452	4.452	0.000	97	167130	20.0	20.8	
69 1,2-Dichloropropane	63	4.483	4.483	0.000	91	69486	20.0	20.6	
72 Dibromomethane	93	4.629	4.629	0.000	51	44271	20.0	19.3	
* 70 1,4-Dioxane-d8	96	4.672	4.672	0.000	0	26334	1000.0	1000.0	
73 1,4-Dioxane	88	4.733	4.733	0.000	26	12570	400.0	474.5	
71 Methyl methacrylate	100	4.751	4.751	0.000	93	29393	40.0	38.5	
74 n-Propyl acetate	43	4.879	4.879	0.000	96	94530	20.0	19.5	
75 Dichlorobromomethane	83	4.879	4.879	0.000	99	87580	20.0	18.9	
76 2-Nitropropane	41	5.214	5.214	0.000	99	27783	40.0	33.3	
77 2-Chloroethyl vinyl ether	63	5.385	5.385	0.000	92	17793	20.0	20.7	
78 Epichlorohydrin	62	5.422	5.422	0.000	99	21390	400.0	415.0	
79 cis-1,3-Dichloropropene	75	5.537	5.537	0.000	97	89729	20.0	19.7	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	98	395726	100.0	97.3	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	694192	50.0	50.1	
82 Toluene	91	6.007	6.007	0.000	93	254544	20.0	20.1	
83 trans-1,3-Dichloropropene	75	6.446	6.446	0.000	97	71668	20.0	18.3	
86 1,1,2-Trichloroethane	83	6.720	6.720	0.000	87	45576	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
84 Ethyl methacrylate	69	6.726	6.726	0.000	90	69794	20.0	19.6	
85 Tetrachloroethene	166	6.879	6.879	0.000	95	64259	20.0	19.2	
87 1,3-Dichloropropane	76	6.976	6.976	0.000	97	93400	20.0	21.0	
88 2-Hexanone	43	7.269	7.269	0.000	98	229634	100.0	97.7	
89 Chlorodibromomethane	129	7.348	7.348	0.000	98	60256	20.0	18.8	
91 Ethylene Dibromide	107	7.470	7.470	0.000	99	55055	20.0	20.0	
90 n-Butyl acetate	73	7.598	7.598	0.000	96	12267	20.0	20.2	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	87	458290	50.0	50.0	
93 Chlorobenzene	112	8.427	8.427	0.000	94	162694	20.0	19.4	
95 1,1,1,2-Tetrachloroethane	131	8.647	8.647	0.000	94	62752	20.0	19.1	
94 Ethylbenzene	106	8.726	8.726	0.000	99	87323	20.0	19.6	
96 m-Xylene & p-Xylene	106	8.970	8.970	0.000	0	96184	20.0	17.5	
97 o-Xylene	106	9.683	9.683	0.000	92	104244	20.0	18.3	
99 Styrene	104	9.720	9.720	0.000	96	155275	20.0	18.5	
98 n-Butyl acrylate	73	9.884	9.884	0.000	94	32925	20.0	17.8	
100 Bromoform	173	9.976	9.976	0.000	92	32910	20.0	17.1	
101 Amyl acetate (mixed isomer	43	10.348	10.348	0.000	87	101850	20.0	20.0	
102 Isopropylbenzene	105	10.396	10.396	0.000	96	272653	20.0	17.9	
$ 103 4-Bromofluorobenzene	174	10.604	10.604	0.000	88	174966	50.0	40.4	
104 Bromobenzene	156	10.780	10.780	0.000	97	60685	20.0	18.5	
107 1,2,3-Trichloropropane	110	10.994	10.994	0.000	93	20529	20.0	20.1	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	97	69907	20.0	20.7	
108 trans-1,4-Dichloro-2-buten	53	11.103	11.103	0.000	78	15955	20.0	19.7	
106 N-Propylbenzene	120	11.128	11.128	0.000	99	66923	20.0	19.0	
109 2-Chlorotoluene	126	11.189	11.189	0.000	98	62435	20.0	19.1	
110 4-Ethyltoluene	105	11.347	11.347	0.000	99	252070	20.0	19.8	
112 4-Chlorotoluene	91	11.390	11.390	0.000	99	213153	20.0	20.7	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	92	215705	20.0	19.1	
113 Butyl Methacrylate	87	11.841	11.841	0.000	97	63028	20.0	22.5	
114 tert-Butylbenzene	91	12.036	12.036	0.000	93	113327	20.0	19.2	
115 1,2,4-Trimethylbenzene	105	12.134	12.134	0.000	98	223367	20.0	19.9	
116 sec-Butylbenzene	105	12.487	12.487	0.000	98	256965	20.0	19.1	
117 1,3-Dichlorobenzene	146	12.579	12.579	0.000	95	119393	20.0	19.5	
* 119 1,4-Dichlorobenzene-d4	152	12.713	12.713	0.000	97	214035	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.750	12.750	0.000	95	119634	20.0	19.0	
118 4-Isopropyltoluene	119	12.804	12.804	0.000	97	225773	20.0	19.0	
121 1,2,3-Trimethylbenzene	105	12.884	12.884	0.000	99	236204	20.0	19.5	
122 Benzyl chloride	126	12.993	12.993	0.000	98	13347	20.0	12.5	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	94	232493	20.0	19.6	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	93	117080	20.0	18.0	
124 p-Diethylbenzene	105	13.286	13.286	0.000	90	125306	20.0	18.4	
125 n-Butylbenzene	92	13.304	13.304	0.000	97	116033	20.0	18.3	
128 1,2-Dibromo-3-Chloropropan	75	13.944	13.944	0.000	88	11809	20.0	15.9	
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	97	213593	20.0	17.6	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	96	82589	20.0	16.1	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	94	73985	20.0	16.8	
131 Hexachlorobutadiene	225	14.664	14.664	0.000	91	24718	20.0	14.7	
132 Naphthalene	128	14.682	14.682	0.000	99	195285	20.0	17.2	
133 1,2,3-Trichlorobenzene	180	14.834	14.834	0.000	94	72380	20.0	15.2	
S 134 1,2-Dichloroethene, Total	100				0		40.0	40.4	
S 135 Xylenes, Total	100				0		40.0	35.8	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00347	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00110	Amount Added:	20.00	Units: uL	
524freon_00016	Amount Added:	20.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 31-Dec-2019 09:41:31 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52888.D

Injection Date: 27-Dec-2019 12:55:30 Instrument ID: CVOAMS2 Operator ID:

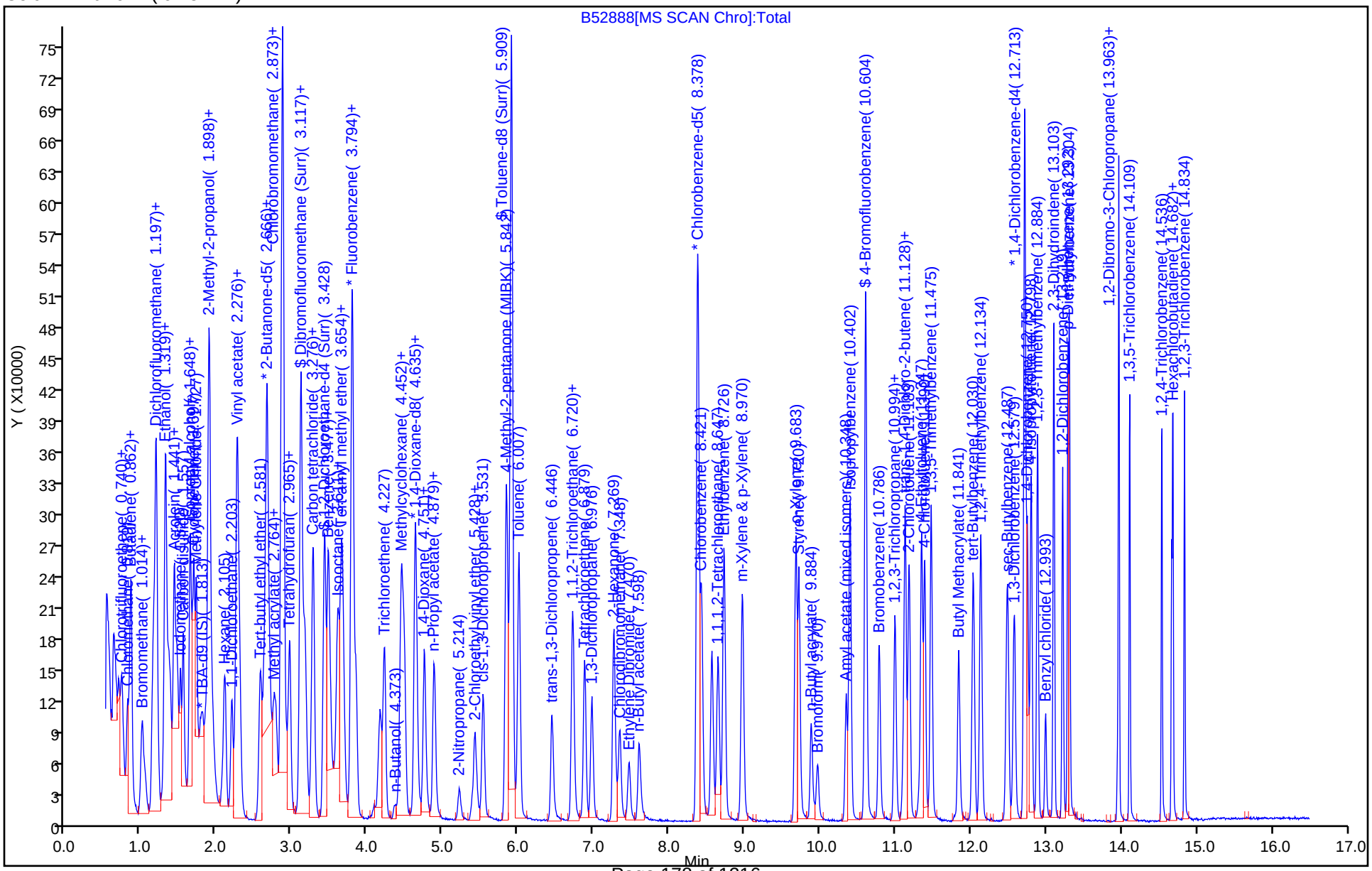
Lims ID: STD20 Worklist Smp#: 7

Client ID:

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

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

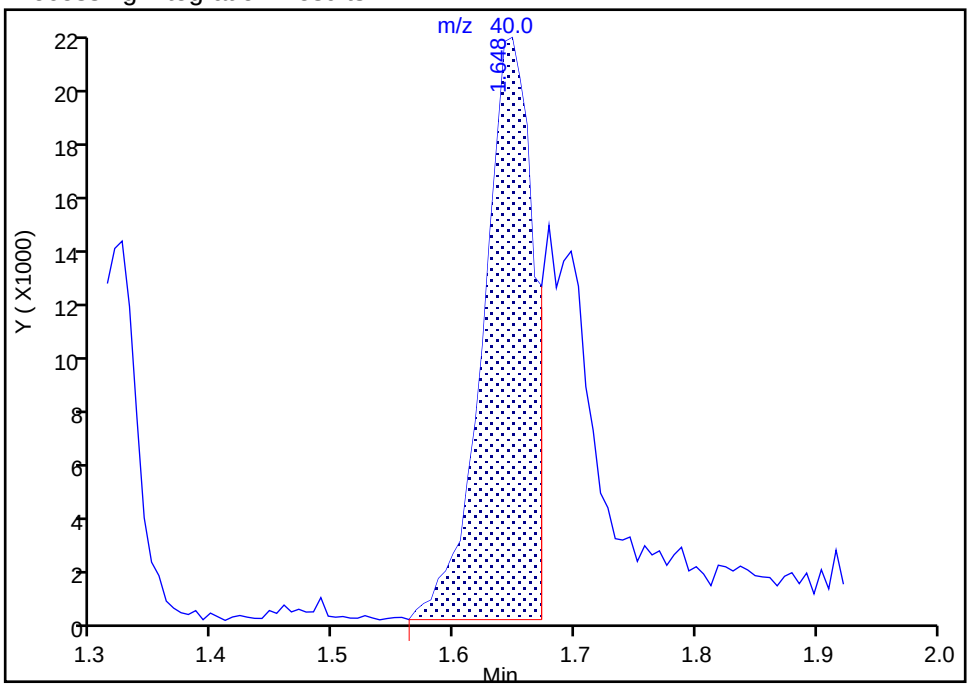
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52888.D		
Injection Date:	27-Dec-2019 12:55:30	Instrument ID:	CVOAMS2
Lims ID:	STD20		
Client ID:			
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

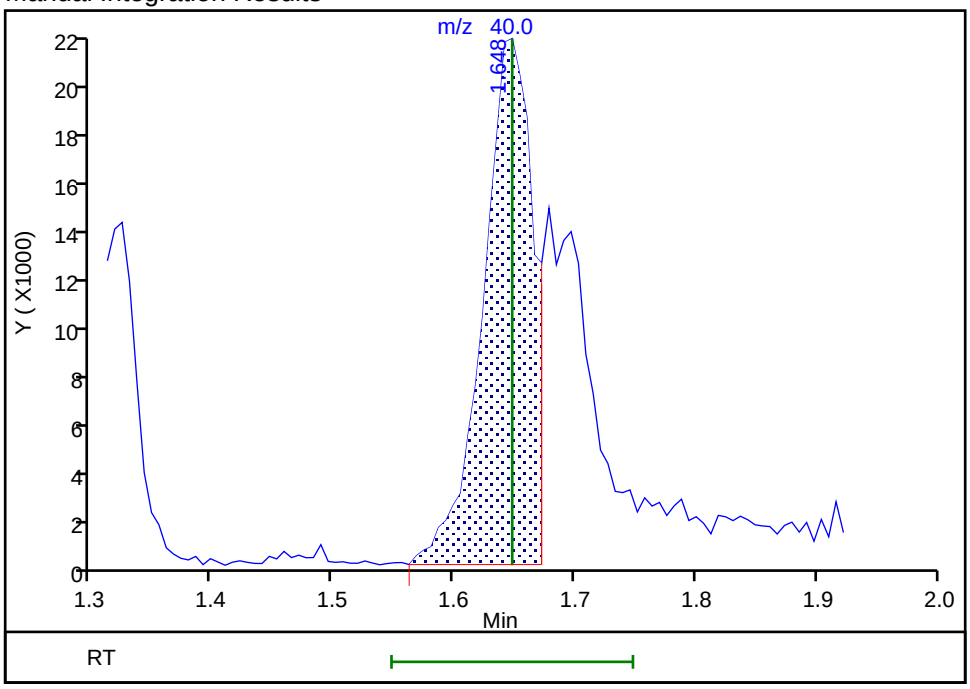
Processing Integration Results

RT: 1.65
Area: 62601
Amount: 584.3411
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 62601
Amount: 223.8881
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:32:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

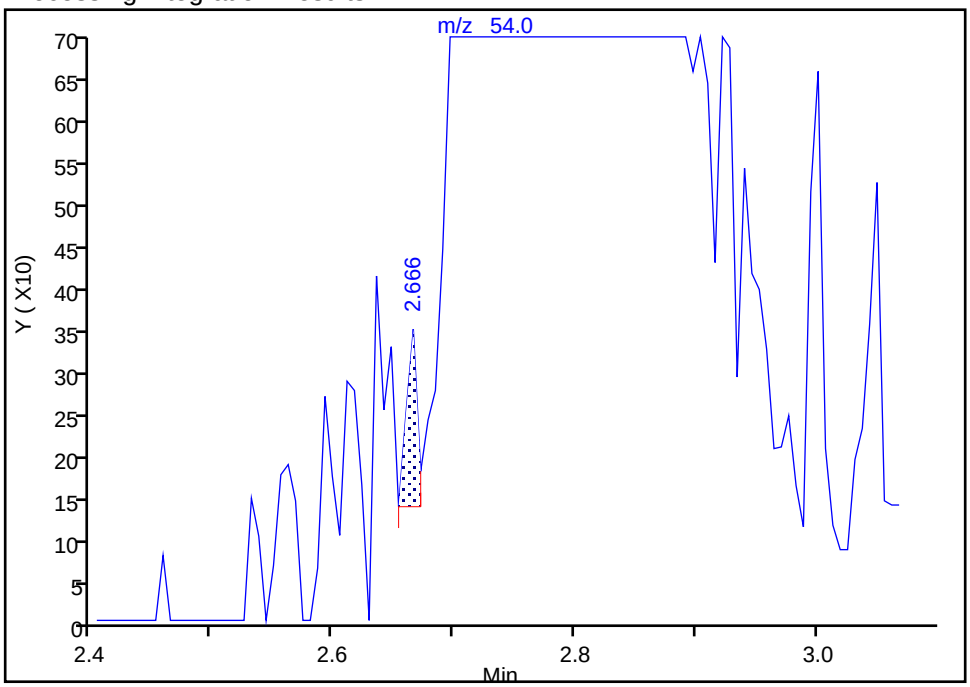
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52888.D		
Injection Date:	27-Dec-2019 12:55:30	Instrument ID:	CVOAMS2
Lims ID:	STD20		
Client ID:			
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

44 Propionitrile, CAS: 107-12-0

Signal: 1

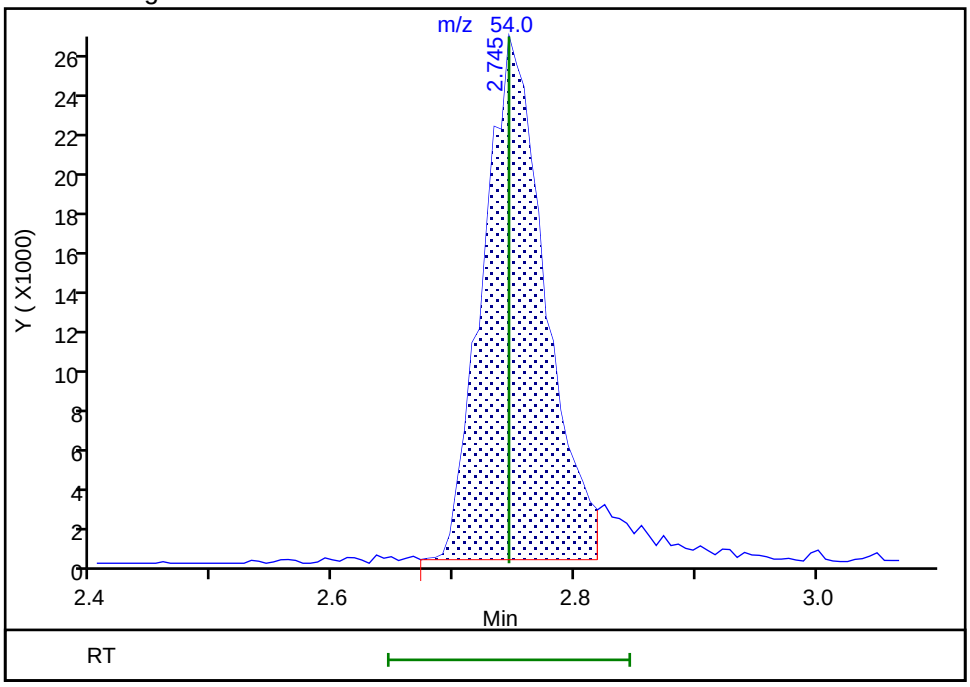
Processing Integration Results

RT: 2.67
Area: 133
Amount: 0.329628
Amount Units: ug/l



Manual Integration Results

RT: 2.75
Area: 93339
Amount: 203.9867
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:32:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

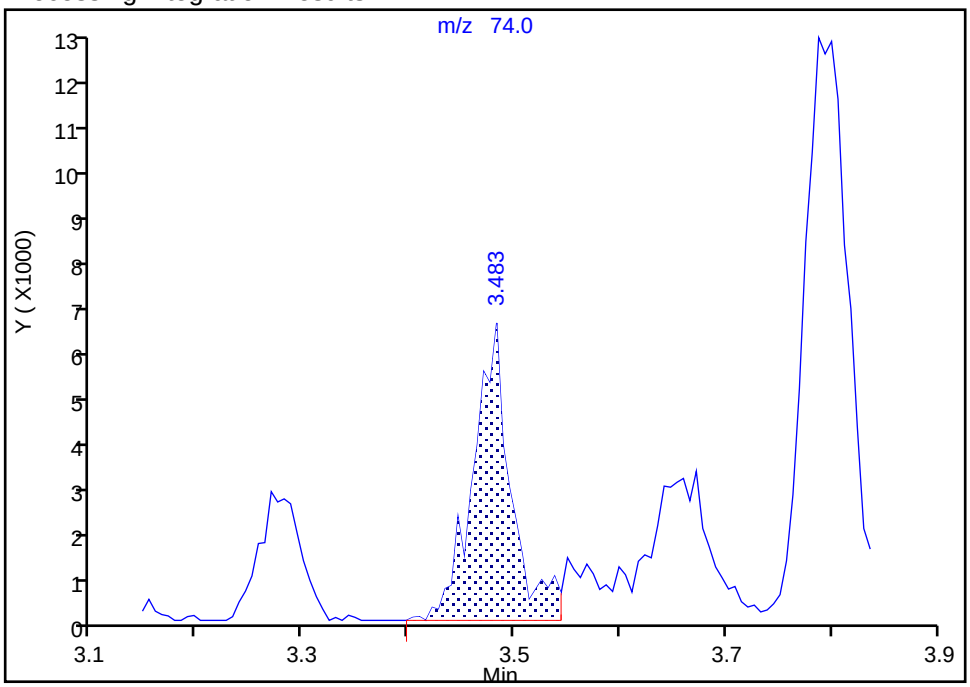
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52888.D		
Injection Date:	27-Dec-2019 12:55:30	Instrument ID:	CVOAMS2
Lims ID:	STD20		
Client ID:			
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

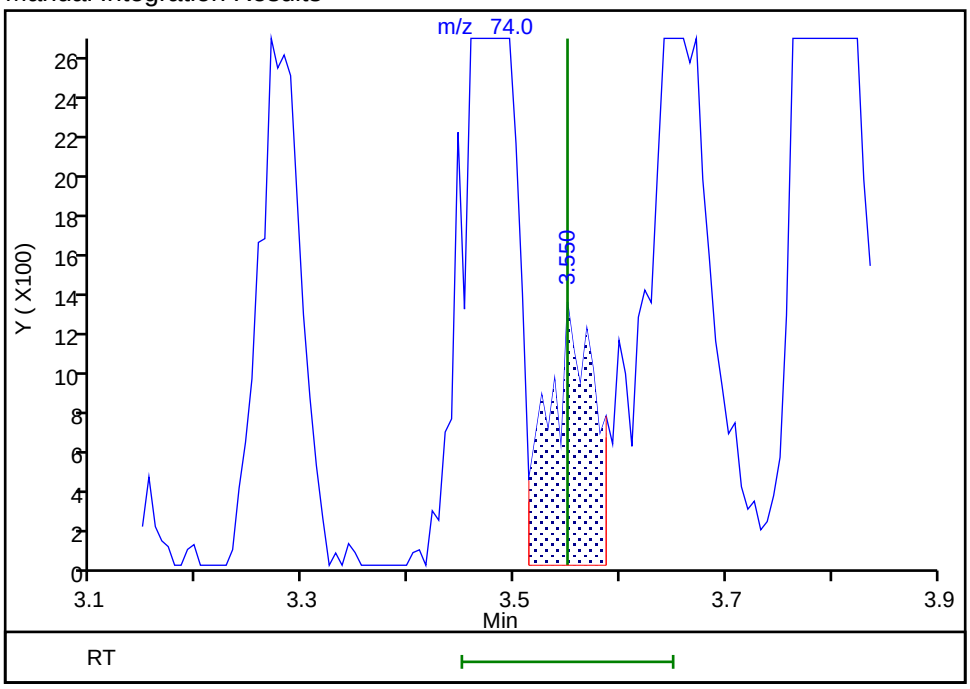
Processing Integration Results

RT: 3.48
Area: 15475
Amount: 536.1647
Amount Units: ug/l



Manual Integration Results

RT: 3.55
Area: 3992
Amount: 506.0635
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:32:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52889.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Dec-2019 13:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0103524-008
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 31-Dec-2019 09:42:15 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: martineze Date: 27-Dec-2019 15:31:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.727	0.727	0.000	87	96013	50.0	51.3	
2 Dichlorodifluoromethane	85	0.740	0.734	0.006	98	398329	50.0	55.7	
3 Chloromethane	50	0.819	0.819	0.000	98	431959	50.0	55.7	
4 Butadiene	54	0.855	0.862	-0.007	89	240133	50.0	54.6	
5 Vinyl chloride	62	0.868	0.868	0.000	98	280266	50.0	56.8	
6 Bromomethane	94	1.014	1.008	0.006	97	202531	50.0	54.2	
7 Chloroethane	64	1.044	1.044	0.000	98	150133	50.0	55.5	
9 Dichlorofluoromethane	67	1.160	1.154	0.006	98	423237	50.0	55.9	
10 Pentane	72	1.197	1.191	0.006	96	53096	100.0	96.9	
8 Trichlorofluoromethane	101	1.185	1.191	-0.006	97	424366	50.0	57.7	
11 Ethanol	46	1.307	1.307	0.000	82	28252	2000.0	2074.7	
12 Ethyl ether	59	1.307	1.313	-0.006	86	140433	50.0	49.6	
13 2-Methyl-1,3-butadiene	53	1.319	1.319	0.000	95	168078	50.0	49.9	
14 1,2-Dichloro-1,1,2-trifluo	117	1.337	1.337	0.000	77	168380	50.0	47.2	
15 Acrolein	56	1.386	1.386	0.000	47	49763	100.0	91.7	
16 1,1-Dichloroethene	96	1.435	1.435	0.000	95	164780	50.0	49.3	
17 1,1,2-Trichloro-1,2,2-trif	101	1.471	1.465	0.006	59	187070	50.0	51.1	
18 Acetone	43	1.471	1.471	0.000	83	329078	250.0	238.8	
19 Iodomethane	142	1.520	1.520	0.000	98	335273	50.0	46.9	
20 Carbon disulfide	76	1.557	1.557	0.000	100	558138	50.0	48.9	
21 Isopropyl alcohol	45	1.593	1.605	-0.012	96	126484	500.0	522.8	
22 3-Chloro-1-propene	76	1.648	1.648	0.000	88	104902	50.0	48.5	
25 Acetonitrile	40	1.648	1.648	0.000	76	166524	500.0	585.9	
24 Methyl acetate	43	1.672	1.666	0.006	98	330395	100.0	111.4	
23 Cyclopentene	67	1.697	1.697	0.000	94	397126	50.0	49.9	
26 Methylene Chloride	84	1.727	1.733	-0.006	97	194485	50.0	47.3	
* 27 TBA-d9 (IS)	65	1.800	1.794	0.006	0	321394	1000.0	1000.0	
28 2-Methyl-2-propanol	59	1.861	1.855	0.006	92	159596	500.0	473.0	
31 Acrylonitrile	53	1.886	1.892	-0.006	94	675874	500.0	506.8	
30 trans-1,2-Dichloroethene	96	1.904	1.910	-0.006	98	177317	50.0	48.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methyl tert-butyl ether	73	1.928	1.928	0.000	96	485775	50.0	49.6	
32 Hexane	43	2.105	2.105	0.000	93	173929	50.0	52.6	
34 1,1-Dichloroethane	63	2.203	2.197	0.006	99	330383	50.0	50.0	
35 Vinyl acetate	86	2.264	2.264	0.000	100	51255	100.0	96.5	
36 2-Chloro-1,3-butadiene	88	2.270	2.270	0.000	88	154040	50.0	49.1	
33 Isopropyl ether	45	2.288	2.288	0.000	93	678496	50.0	50.9	
37 Tert-butyl ethyl ether	87	2.581	2.581	0.000	88	211567	50.0	49.8	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	388682	250.0	250.0	
38 2,2-Dichloropropane	41	2.672	2.666	0.006	70	187557	50.0	50.2	
40 cis-1,2-Dichloroethene	96	2.666	2.672	-0.006	94	194820	50.0	48.5	
41 2-Butanone (MEK)	72	2.690	2.703	-0.013	97	84068	250.0	238.0	
44 Propionitrile	54	2.745	2.745	0.000	94	246037	500.0	521.9	
43 Methyl acrylate	85	2.794	2.782	0.012	98	23648	50.0	49.4	
42 Ethyl acetate	70	2.776	2.782	-0.006	99	28138	100.0	99.9	
46 Chlorobromomethane	128	2.873	2.867	0.006	67	107208	50.0	45.2	
47 Methacrylonitrile	67	2.873	2.879	-0.006	96	672338	500.0	490.2	
45 Tetrahydrofuran	72	2.928	2.928	0.000	85	41827	100.0	95.3	
48 Chloroform	83	2.965	2.965	0.000	98	334754	50.0	48.7	
$ 51 Dibromofluoromethane (Surr	113	3.111	3.117	-0.006	96	218683	50.0	48.2	
50 1,1,1-Trichloroethane	97	3.123	3.123	0.000	98	316210	50.0	49.1	
49 Cyclohexane	84	3.172	3.166	0.006	95	260792	50.0	49.8	
52 Carbon tetrachloride	117	3.282	3.276	0.006	95	269744	50.0	48.8	
53 1,1-Dichloropropene	75	3.276	3.276	0.000	91	230949	50.0	47.3	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	264654	50.0	48.3	
55 Benzene	78	3.477	3.477	0.000	97	646799	50.0	50.9	
60 1,2-Dichloroethane	62	3.507	3.514	-0.007	97	259797	50.0	47.3	
56 Isobutyl alcohol	74	3.544	3.550	-0.006	92	8511	1250.0	1047.3	
54 Isooctane	57	3.611	3.605	0.006	96	555788	50.0	51.1	
59 Tert-amyl methyl ether	73	3.660	3.654	0.006	89	558486	50.0	50.5	
61 Isopropyl acetate	61	3.672	3.678	-0.006	93	56130	50.0	49.9	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	615473	50.0	50.0	
62 n-Heptane	43	3.843	3.843	0.000	98	263538	50.0	53.7	
64 Trichloroethene	95	4.221	4.221	0.000	96	174231	50.0	46.8	
65 n-Butanol	43	4.343	4.367	-0.024	96	33497	1250.0	1127.5	
66 Methylcyclohexane	83	4.446	4.446	0.000	85	287757	50.0	51.5	
67 Ethyl acrylate	55	4.452	4.452	0.000	96	420130	50.0	51.3	
69 1,2-Dichloropropane	63	4.483	4.483	0.000	92	175016	50.0	51.1	
72 Dibromomethane	93	4.635	4.629	0.006	96	112993	50.0	48.4	
* 70 1,4-Dioxane-d8	96	4.672	4.672	0.000	0	28685	1000.0	1000.0	M
73 1,4-Dioxane	88	4.727	4.733	-0.006	85	31294	1000.0	1084.5	
71 Methyl methacrylate	100	4.757	4.751	0.006	93	72791	100.0	93.7	
74 n-Propyl acetate	43	4.873	4.879	-0.006	99	243591	50.0	49.5	
75 Dichlorobromomethane	83	4.885	4.879	0.006	99	224895	50.0	47.8	
76 2-Nitropropane	41	5.220	5.214	0.006	99	78962	100.0	93.2	
77 2-Chloroethyl vinyl ether	63	5.391	5.385	0.006	93	45352	50.1	51.9	
78 Epichlorohydrin	62	5.422	5.422	0.000	99	56154	1000.0	994.6	
79 cis-1,3-Dichloropropene	75	5.531	5.537	-0.006	98	248833	50.0	53.4	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	98	1004796	250.0	239.7	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	692148	50.0	48.9	
82 Toluene	91	6.007	6.007	0.000	93	648878	50.0	50.2	
83 trans-1,3-Dichloropropene	75	6.446	6.446	0.000	97	213348	50.0	53.5	
86 1,1,2-Trichloroethane	83	6.714	6.720	-0.006	93	121198	50.0	52.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Ethyl methacrylate	69	6.726	6.726	0.000	91	193672	50.0	53.2	
85 Tetrachloroethene	166	6.885	6.879	0.006	95	171389	50.0	50.2	
87 1,3-Dichloropropane	76	6.976	6.976	0.000	98	230153	50.0	50.6	
88 2-Hexanone	43	7.263	7.269	-0.006	98	590785	250.0	243.8	
89 Chlorodibromomethane	129	7.348	7.348	0.000	98	160893	50.0	49.1	
91 Ethylene Dibromide	107	7.470	7.470	0.000	98	141988	50.0	50.6	
90 n-Butyl acetate	73	7.598	7.598	0.000	96	35772	50.0	57.7	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	87	467998	50.0	50.0	
93 Chlorobenzene	112	8.433	8.427	0.006	93	400296	50.0	46.8	
95 1,1,1,2-Tetrachloroethane	131	8.647	8.647	0.000	92	151372	50.0	45.1	
94 Ethylbenzene	106	8.732	8.726	0.006	99	208894	50.0	45.9	
96 m-Xylene & p-Xylene	106	8.976	8.970	0.006	0	257703	50.0	46.0	
97 o-Xylene	106	9.683	9.683	0.000	93	292095	50.0	50.2	
99 Styrene	104	9.720	9.720	0.000	94	451587	50.0	52.6	
98 n-Butyl acrylate	73	9.884	9.884	0.000	95	110229	50.0	56.3	
100 Bromoform	173	9.970	9.976	-0.006	95	99658	50.0	50.8	
101 Amyl acetate (mixed isomer	43	10.348	10.348	0.000	87	329332	50.0	59.5	
102 Isopropylbenzene	105	10.396	10.396	0.000	97	800149	50.0	51.5	
$ 103 4-Bromofluorobenzene	174	10.604	10.604	0.000	89	224726	50.0	50.8	
104 Bromobenzene	156	10.786	10.780	0.006	97	190396	50.0	54.9	
107 1,2,3-Trichloropropane	110	10.994	10.994	0.000	95	60867	50.0	56.1	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	97	208847	50.0	58.5	
108 trans-1,4-Dichloro-2-buten	53	11.097	11.103	-0.006	84	53869	50.0	61.3	
106 N-Propylbenzene	120	11.128	11.128	0.000	99	215473	50.0	57.6	
109 2-Chlorotoluene	126	11.183	11.189	-0.006	97	192607	50.0	55.7	
110 4-Ethyltoluene	105	11.347	11.347	0.000	98	741808	50.0	55.0	
112 4-Chlorotoluene	91	11.390	11.390	0.000	98	628019	50.0	57.6	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	92	667315	50.0	55.7	
113 Butyl Methacrylate	87	11.841	11.841	0.000	98	200765	50.0	64.1	
114 tert-Butylbenzene	91	12.030	12.036	-0.006	92	322219	50.0	51.4	
115 1,2,4-Trimethylbenzene	105	12.134	12.134	0.000	99	596734	50.0	50.2	
116 sec-Butylbenzene	105	12.487	12.487	0.000	99	748186	50.0	52.5	
117 1,3-Dichlorobenzene	146	12.573	12.579	-0.006	95	309881	50.0	47.7	
* 119 1,4-Dichlorobenzene-d4	152	12.713	12.713	0.000	97	226910	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.749	12.750	-0.001	93	309136	50.0	46.4	
118 4-Isopropyltoluene	119	12.798	12.804	-0.006	97	618407	50.0	49.0	
121 1,2,3-Trimethylbenzene	105	12.884	12.884	0.000	99	638815	50.0	49.7	
122 Benzyl chloride	126	12.993	12.993	0.000	98	48454	50.0	42.0	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	93	633738	50.0	50.5	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	94	373643	50.0	54.2	
124 p-Diethylbenzene	105	13.286	13.286	0.000	92	397071	50.0	54.9	
125 n-Butylbenzene	92	13.310	13.304	0.006	98	383861	50.0	57.1	
128 1,2-Dibromo-3-Chloropropan	75	13.944	13.944	0.000	92	40557	50.0	51.2	
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	97	748698	50.0	58.0	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	97	310513	50.0	57.3	
130 1,2,4-Trichlorobenzene	180	14.530	14.536	-0.006	94	286988	50.0	61.6	
131 Hexachlorobutadiene	225	14.664	14.664	0.000	95	108337	50.0	60.8	
132 Naphthalene	128	14.676	14.682	-0.006	99	720630	50.0	59.9	
133 1,2,3-Trichlorobenzene	180	14.834	14.834	0.000	95	271553	50.0	53.8	
S 134 1,2-Dichloroethene, Total	100				0		100.0	96.9	
S 135 Xylenes, Total	100				0		100.0	96.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00347	Amount Added:	50.00	Units: uL	
8260MIX1COMB_00110	Amount Added:	50.00	Units: uL	
524freon_00016	Amount Added:	50.00	Units: uL	
ACROLEIN W_00100	Amount Added:	10.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 31-Dec-2019 09:42:18 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52889.D

Injection Date: 27-Dec-2019 13:18:30 Instrument ID: CVOAMS2 Operator ID:

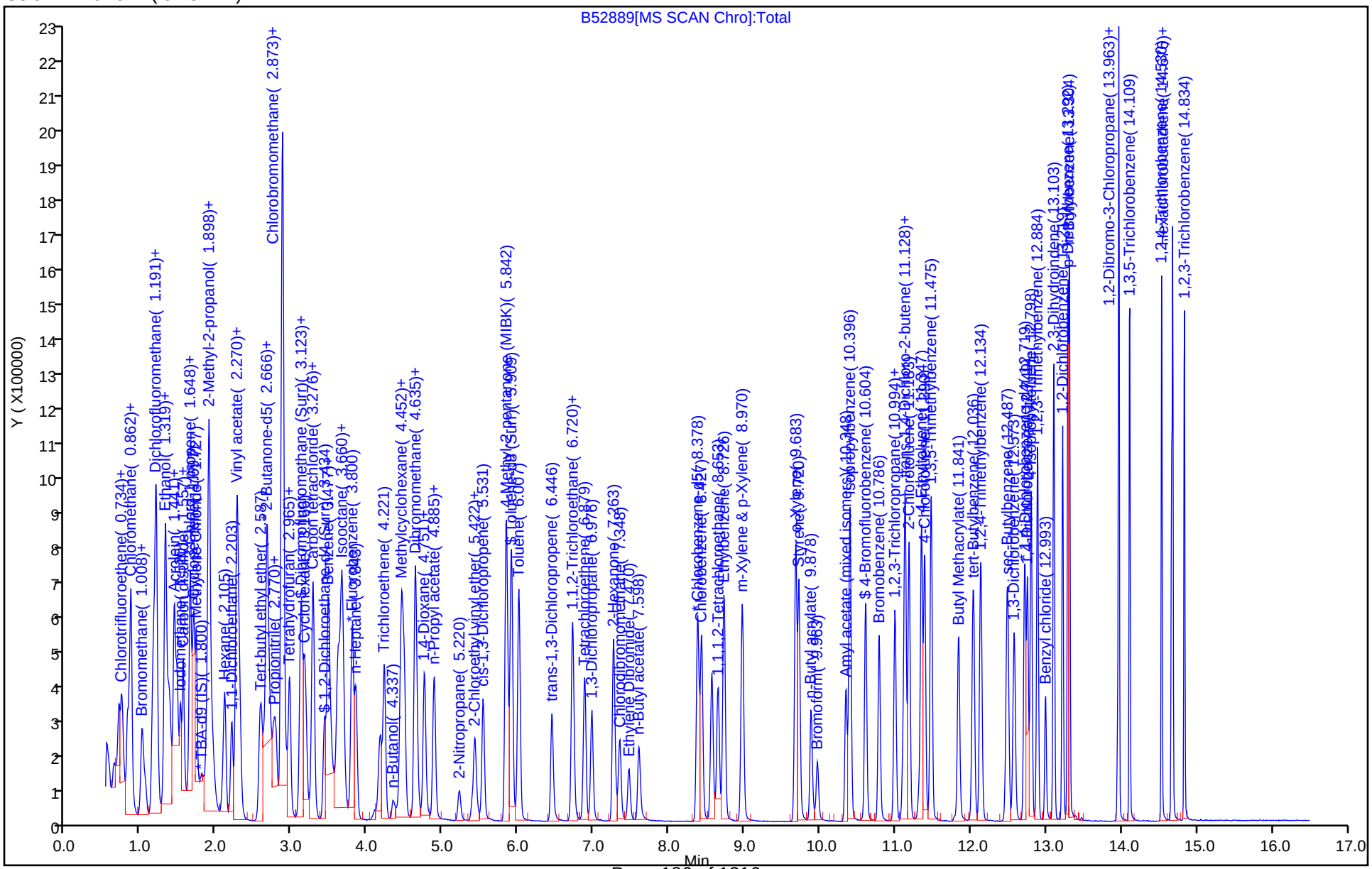
Lims ID: STD50 Worklist Smp#: 8

Client ID:

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

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

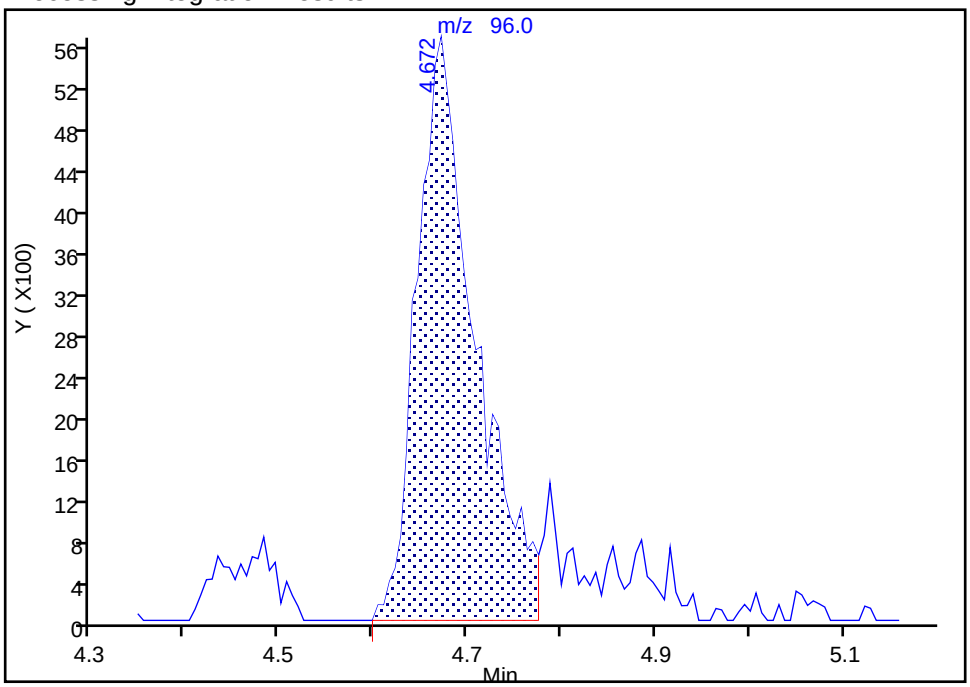
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52889.D
Injection Date: 27-Dec-2019 13:18:30 Instrument ID: CVOAMS2
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 70 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

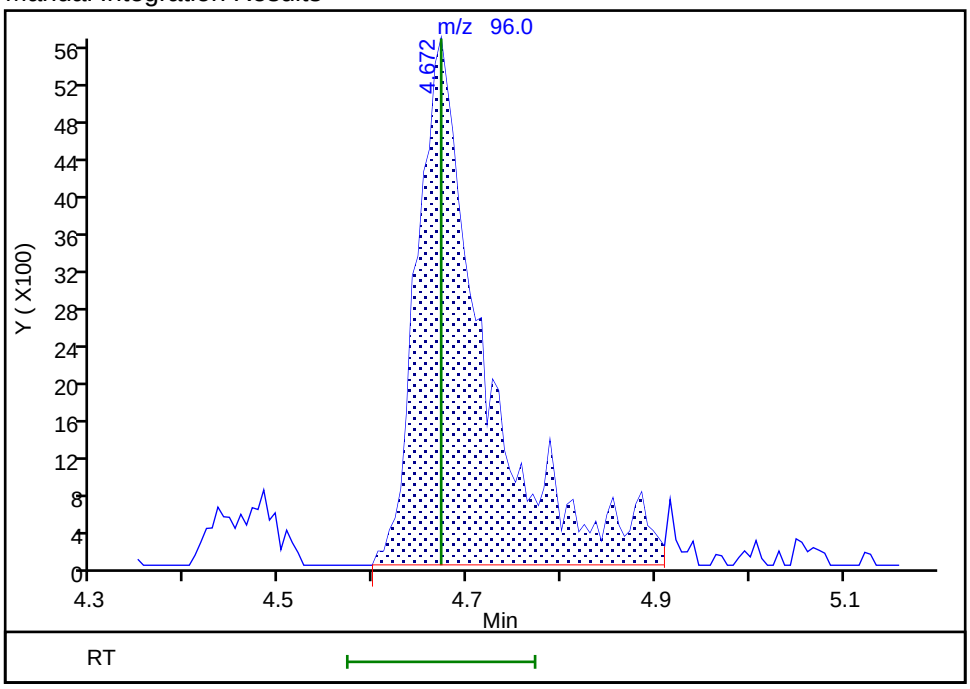
Processing Integration Results

RT: 4.67
Area: 24498
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.67
Area: 28685
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:44:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52891.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Dec-2019 14:06:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0103524-010
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 31-Dec-2019 09:42:31 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: martineze Date: 27-Dec-2019 15:42:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.721	0.727	-0.006	87	1193666	500.0	565.9	
2 Dichlorodifluoromethane	85	0.740	0.734	0.006	98	4628052	500.0	574.7	
3 Chloromethane	50	0.819	0.819	0.000	99	4662820	500.0	533.7	
4 Butadiene	54	0.861	0.862	-0.001	85	2601253	500.0	525.2	
5 Vinyl chloride	62	0.861	0.868	-0.007	98	2996874	500.0	539.6	
6 Bromomethane	94	1.008	1.008	0.000	98	2205935	500.0	524.2	
7 Chloroethane	64	1.044	1.044	0.000	99	1519880	500.0	499.2	
9 Dichlorofluoromethane	67	1.160	1.154	0.006	98	4421139	500.0	518.9	
10 Pentane	72	1.197	1.191	0.006	94	601861	1000.0	898.5	
8 Trichlorofluoromethane	101	1.191	1.191	0.000	98	4560733	500.0	550.8	
11 Ethanol	46	1.313	1.307	0.006	79	266330	20000	20005	
12 Ethyl ether	59	1.313	1.313	0.000	89	1551420	500.0	486.6	
13 2-Methyl-1,3-butadiene	53	1.325	1.319	0.006	95	1912594	500.0	504.2	
14 1,2-Dichloro-1,1,2-trifluo	117	1.343	1.337	0.006	96	2170533	500.0	539.9	a
15 Acrolein	56	1.380	1.386	-0.006	39	237738	400.0	358.2	
16 1,1-Dichloroethene	96	1.441	1.435	0.006	96	1928584	500.0	512.3	
17 1,1,2-Trichloro-1,2,2-trif	101	1.471	1.465	0.006	93	2198790	500.0	533.4	
18 Acetone	43	1.477	1.471	0.006	83	3825706	2500.0	2404.1	
19 Iodomethane	142	1.526	1.520	0.006	99	4356857	500.0	541.5	
20 Carbon disulfide	76	1.556	1.557	-0.001	100	6877514	500.0	534.9	
21 Isopropyl alcohol	45	1.587	1.605	-0.018	96	1701872	5000.0	5754.5	
22 3-Chloro-1-propene	76	1.648	1.648	0.000	88	1226473	500.0	503.7	
25 Acetonitrile	40	1.648	1.648	0.000	75	1689422	5000.0	5278.4	
24 Methyl acetate	43	1.672	1.666	0.006	99	3881456	1000.0	1162.2	
23 Cyclopentene	67	1.697	1.697	0.000	95	4569560	500.0	509.8	
26 Methylene Chloride	84	1.733	1.733	0.000	96	2244011	500.0	484.7	
* 27 TBA-d9 (IS)	65	1.825	1.794	0.031	0	392886	1000.0	1000.0	Ma
28 2-Methyl-2-propanol	59	1.892	1.855	0.037	91	2220924	5000.0	5384.3	
31 Acrylonitrile	53	1.898	1.892	0.006	93	7551001	5000.0	5027.6	
30 trans-1,2-Dichloroethene	96	1.910	1.910	0.000	96	2079449	500.0	503.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methyl tert-butyl ether	73	1.934	1.928	0.006	97	5306340	500.0	480.8	
32 Hexane	43	2.105	2.105	0.000	92	1857944	500.0	499.1	
34 1,1-Dichloroethane	63	2.203	2.197	0.006	99	3768942	500.0	506.3	
35 Vinyl acetate	86	2.270	2.264	0.006	100	692602	1000.0	1066.4	
36 2-Chloro-1,3-butadiene	88	2.270	2.270	0.000	94	1812653	500.0	513.2	
33 Isopropyl ether	45	2.300	2.288	0.012	90	7351464	500.0	489.6	
37 Tert-butyl ethyl ether	87	2.599	2.581	0.018	88	2337289	500.0	488.2	
* 39 2-Butanone-d5	46	2.654	2.648	0.006	0	448915	250.0	250.0	a
38 2,2-Dichloropropane	41	2.678	2.666	0.012	92	1956989	500.0	464.8	
40 cis-1,2-Dichloroethene	96	2.672	2.672	0.000	95	2280709	500.0	504.5	
41 2-Butanone (MEK)	72	2.709	2.703	0.006	100	1110519	2500.0	2722.1	
44 Propionitrile	54	2.757	2.745	0.012	94	3056196	5000.0	5303.4	
43 Methyl acrylate	85	2.800	2.782	0.018	99	299653	500.0	555.5	
42 Ethyl acetate	70	2.782	2.782	0.000	99	371312	1000.0	1141.7	
46 Chlorobromomethane	128	2.885	2.867	0.018	92	1327025	500.0	497.3	
47 Methacrylonitrile	67	2.898	2.879	0.019	96	8378141	5000.0	5424.2	
45 Tetrahydrofuran	72	2.928	2.928	0.000	94	515789	1000.0	1018.0	
48 Chloroform	83	2.971	2.965	0.006	98	3964366	500.0	512.2	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	94	270531	50.0	53.0	
50 1,1,1-Trichloroethane	97	3.129	3.123	0.006	98	3816865	500.0	525.9	
49 Cyclohexane	84	3.178	3.166	0.012	96	3087234	500.0	523.1	
52 Carbon tetrachloride	117	3.288	3.276	0.012	98	3410437	500.0	548.1	
53 1,1-Dichloropropene	75	3.282	3.276	0.006	93	2956522	500.0	537.4	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.434	3.428	0.006	0	320710	50.0	52.0	
55 Benzene	78	3.483	3.477	0.006	98	7916867	500.0	502.0	
60 1,2-Dichloroethane	62	3.513	3.514	-0.001	98	3180942	500.0	514.5	
56 Isobutyl alcohol	74	3.550	3.550	0.000	92	195921	12500	19721	
54 Isooctane	57	3.623	3.605	0.018	95	6976384	500.0	569.7	
59 Tert-amyl methyl ether	73	3.672	3.654	0.018	87	6482937	500.0	520.8	
61 Isopropyl acetate	61	3.678	3.678	0.000	94	790468	500.0	623.5	
* 63 Fluorobenzene	96	3.800	3.794	0.006	99	693086	50.0	50.0	a
62 n-Heptane	43	3.849	3.843	0.006	97	2968295	500.0	537.5	
64 Trichloroethene	95	4.233	4.221	0.012	97	2197412	500.0	523.8	
65 n-Butanol	43	4.330	4.367	-0.037	97	720779	12500	19847	
66 Methylcyclohexane	83	4.458	4.446	0.012	79	3365047	500.0	534.3	
67 Ethyl acrylate	55	4.464	4.452	0.012	96	5160793	500.0	560.0	
69 1,2-Dichloropropane	63	4.495	4.483	0.012	89	2077584	500.0	538.4	
72 Dibromomethane	93	4.641	4.629	0.012	94	1387817	500.0	528.2	
* 70 1,4-Dioxane-d8	96	4.653	4.672	-0.019	0	46191	1000.0	1000.0	a
73 1,4-Dioxane	88	4.727	4.733	-0.006	88	422962	10000	9102.9	
71 Methyl methacrylate	100	4.763	4.751	0.012	94	974650	1000.0	1114.2	
74 n-Propyl acetate	43	4.879	4.879	0.000	99	3285083	500.0	592.2	
75 Dichlorobromomethane	83	4.897	4.879	0.018	99	2979746	500.0	562.7	
76 2-Nitropropane	41	5.226	5.214	0.012	98	1170493	1000.0	1227.2	
77 2-Chloroethyl vinyl ether	63	5.403	5.385	0.018	93	741223	501.2	753.0	
78 Epichlorohydrin	62	5.434	5.422	0.012	99	812017	10000	7498.9	
79 cis-1,3-Dichloropropene	75	5.543	5.537	0.006	98	3360494	500.0	581.4	
80 4-Methyl-2-pentanone (MIBK	43	5.854	5.842	0.012	99	12784719	2500.0	2640.7	
$ 81 Toluene-d8 (Surr)	98	5.921	5.909	0.012	99	901345	50.0	51.3	
82 Toluene	91	6.019	6.007	0.012	93	8428090	500.0	525.7	
83 trans-1,3-Dichloropropene	75	6.452	6.446	0.006	97	3064385	500.0	619.4	
86 1,1,2-Trichloroethane	83	6.726	6.720	0.006	93	1526789	500.0	534.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Ethyl methacrylate	69	6.732	6.726	0.006	91	2662330	500.0	590.0	
85 Tetrachloroethene	166	6.891	6.879	0.012	98	2321683	500.0	547.9	
87 1,3-Dichloropropane	76	6.982	6.976	0.006	97	2929353	500.0	519.3	
88 2-Hexanone	43	7.275	7.269	0.006	98	7488925	2500.0	2676.0	
89 Chlorodibromomethane	129	7.354	7.348	0.006	98	2297861	500.0	565.4	
91 Ethylene Dibromide	107	7.476	7.470	0.006	99	1873874	500.0	538.3	
90 n-Butyl acetate	73	7.604	7.598	0.006	96	486780	500.0	633.2	
* 92 Chlorobenzene-d5	117	8.384	8.378	0.006	85	580267	50.0	50.0	
93 Chlorobenzene	112	8.439	8.427	0.012	94	5616996	500.0	530.1	
95 1,1,1,2-Tetrachloroethane	131	8.659	8.647	0.012	94	2394264	500.0	575.9	
94 Ethylbenzene	106	8.738	8.726	0.012	99	3004031	500.0	532.7	
96 m-Xylene & p-Xylene	106	8.982	8.970	0.012	0	3704188	500.0	533.0	
97 o-Xylene	106	9.689	9.683	0.006	94	3860191	500.0	534.9	
99 Styrene	104	9.732	9.720	0.012	95	6009361	500.0	564.5	
98 n-Butyl acrylate	73	9.884	9.884	0.000	95	1512847	500.0	488.0	
100 Bromoform	173	9.969	9.976	-0.007	96	1415932	500.0	581.8	
101 Amyl acetate (mixed isomer	43	10.347	10.348	-0.001	87	4665400	500.0	500.3	
102 Isopropylbenzene	105	10.408	10.396	0.012	97	10274750	500.0	533.2	
$ 103 4-Bromofluorobenzene	174	10.610	10.604	0.006	89	283241	50.0	51.6	
104 Bromobenzene	156	10.792	10.780	0.012	94	2567339	500.0	573.9	
107 1,2,3-Trichloropropane	110	11.000	10.994	0.006	96	749930	500.0	535.9	
105 1,1,2,2-Tetrachloroethane	83	11.006	11.000	0.006	97	2552233	500.0	554.0	
108 trans-1,4-Dichloro-2-buten	53	11.109	11.103	0.006	92	711333	500.0	500.4	
106 N-Propylbenzene	120	11.146	11.128	0.018	99	2822833	500.0	584.8	
109 2-Chlorotoluene	126	11.195	11.189	0.006	97	2550494	500.0	571.9	
110 4-Ethyltoluene	105	11.359	11.347	0.012	98	10069809	500.0	579.2	
112 4-Chlorotoluene	91	11.402	11.390	0.012	97	8143995	500.0	579.5	
111 1,3,5-Trimethylbenzene	105	11.487	11.475	0.012	93	9240717	500.0	598.3	
113 Butyl Methacrylate	87	11.847	11.841	0.006	96	3090294	500.0	500.4	
114 tert-Butylbenzene	91	12.042	12.036	0.006	94	5219398	500.0	645.6	
115 1,2,4-Trimethylbenzene	105	12.146	12.134	0.012	99	9133589	500.0	595.9	
116 sec-Butylbenzene	105	12.499	12.487	0.012	98	11194414	500.0	608.8	
117 1,3-Dichlorobenzene	146	12.591	12.579	0.012	95	4548563	500.0	543.4	
* 119 1,4-Dichlorobenzene-d4	152	12.725	12.713	0.012	96	292619	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.762	12.750	0.012	94	4675302	500.0	544.1	
118 4-Isopropyltoluene	119	12.810	12.804	0.006	97	9706263	500.0	596.6	
121 1,2,3-Trimethylbenzene	105	12.896	12.884	0.012	99	10059351	500.0	606.8	
122 Benzyl chloride	126	12.999	12.993	0.006	99	924127	500.0	499.6	
123 2,3-Dihydroindene	117	13.109	13.103	0.006	94	9569222	500.0	591.2	
126 1,2-Dichlorobenzene	146	13.225	13.219	0.006	95	5240431	500.0	589.8	
124 p-Diethylbenzene	105	13.292	13.286	0.006	93	5626982	500.0	603.6	
125 n-Butylbenzene	92	13.316	13.304	0.012	99	5352836	500.0	617.4	
128 1,2-Dibromo-3-Chloropropan	75	13.944	13.944	0.000	94	555807	500.0	500.0	
127 1,2,4,5-Tetramethylbenzene	119	13.969	13.963	0.006	97	9626360	500.0	578.6	e
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	97	4109321	500.0	587.5	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	94	4275648	500.0	711.9	
131 Hexachlorobutadiene	225	14.664	14.664	0.000	95	1714376	500.0	746.6	
132 Naphthalene	128	14.676	14.682	-0.006	97	8955728	500.0	577.4	e
133 1,2,3-Trichlorobenzene	180	14.834	14.834	0.000	96	4166467	500.0	640.5	
S 134 1,2-Dichloroethene, Total	100				0		1000.0	1008.0	
S 135 Xylenes, Total	100				0		1000.0	1067.9	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS Hi_00338	Amount Added:	50.00	Units: uL	
MIX I Hi_00120	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00093	Amount Added:	50.00	Units: uL	
Ethanol mix_00035	Amount Added:	50.00	Units: uL	
8FreonHi_00012	Amount Added:	50.00	Units: uL	
ACROLEIN W_00100	Amount Added:	40.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 31-Dec-2019 09:42:35 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52891.D

Injection Date: 27-Dec-2019 14:06:30 Instrument ID: CVOAMS2 Operator ID:

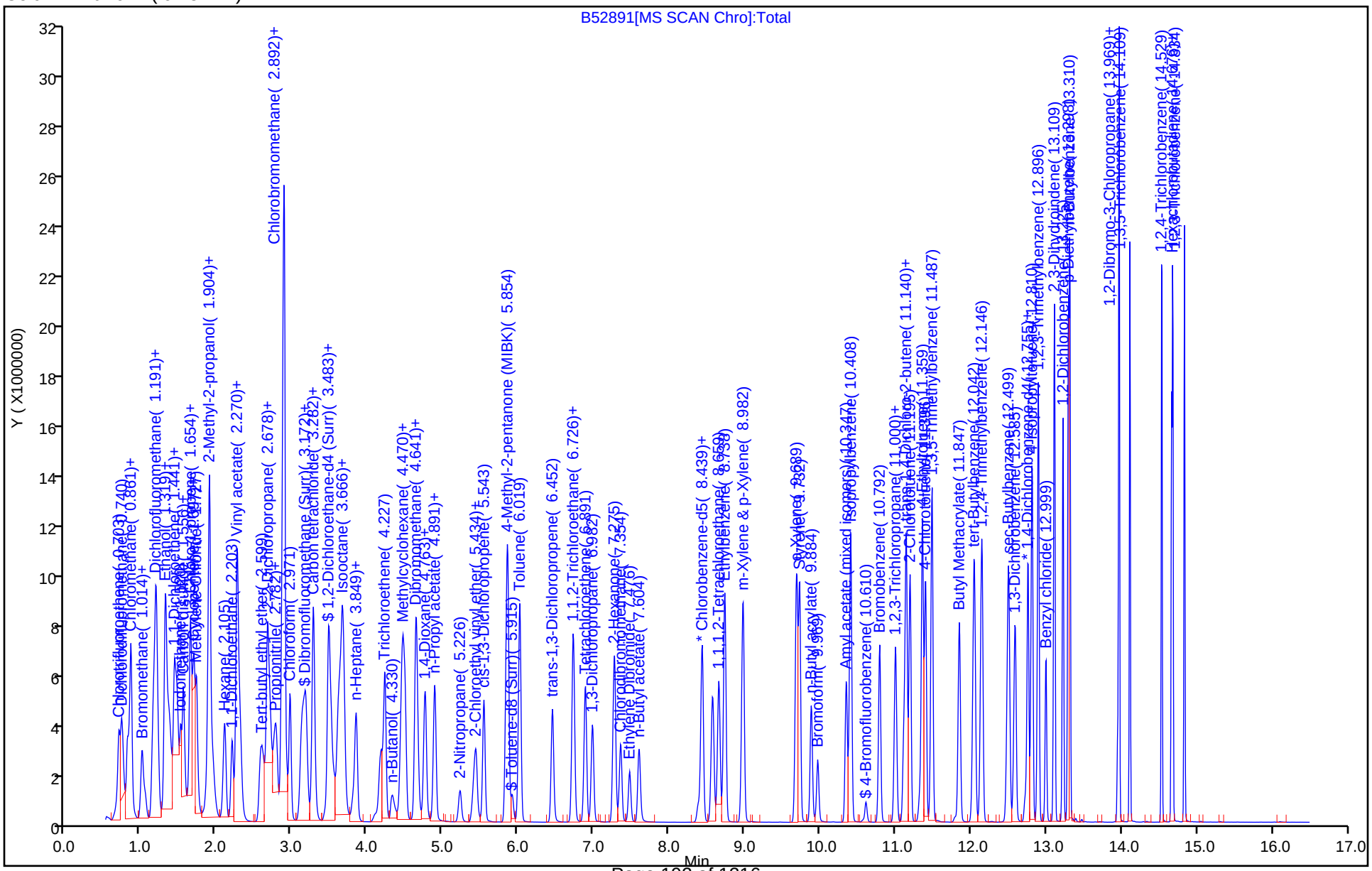
Lims ID: STD500 Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

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

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

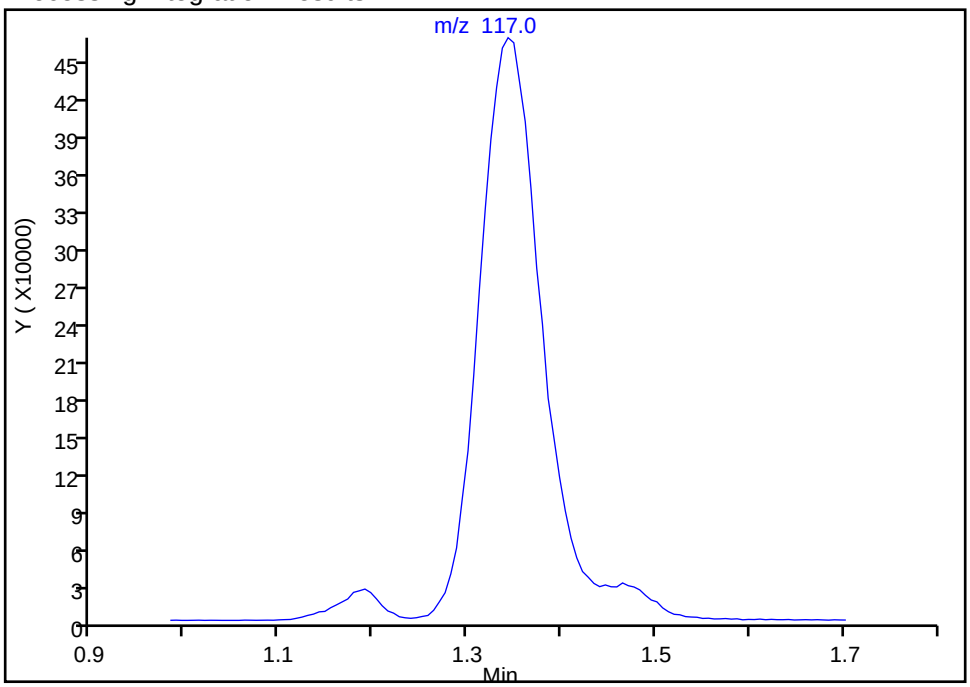
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52891.D		
Injection Date:	27-Dec-2019 14:06:30	Instrument ID:	CVOAMS2
Lims ID:	STD500		
Client ID:			
Operator ID:		ALS Bottle#:	10 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

14 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

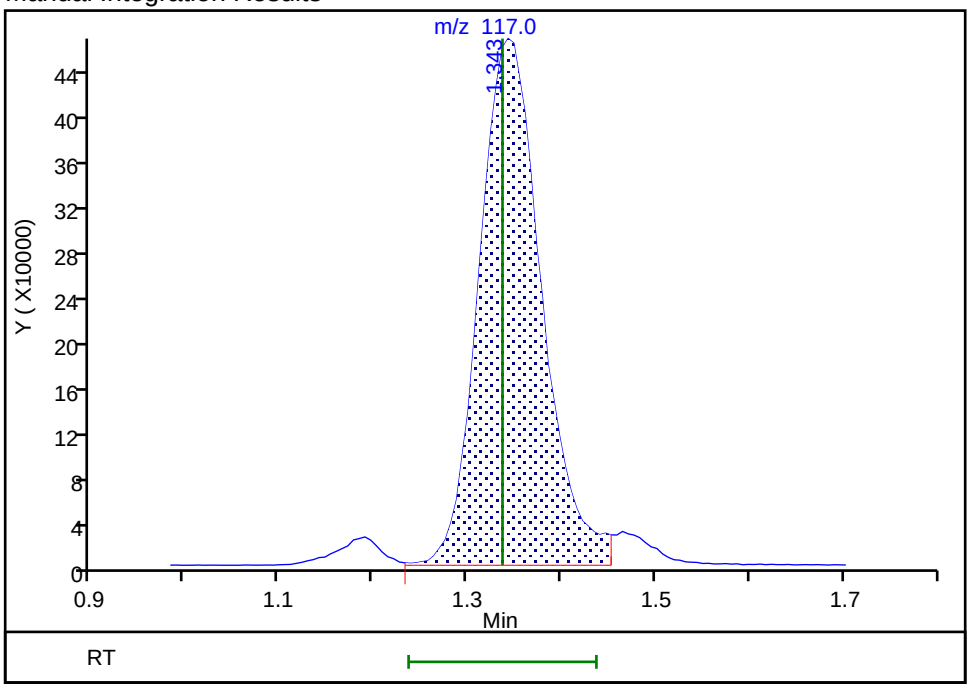
Not Detected
Expected RT: 1.34

Processing Integration Results



Manual Integration Results

RT: 1.34
Area: 2170533
Amount: 539.8594
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:46:56
Audit Action: Assigned Compound ID Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

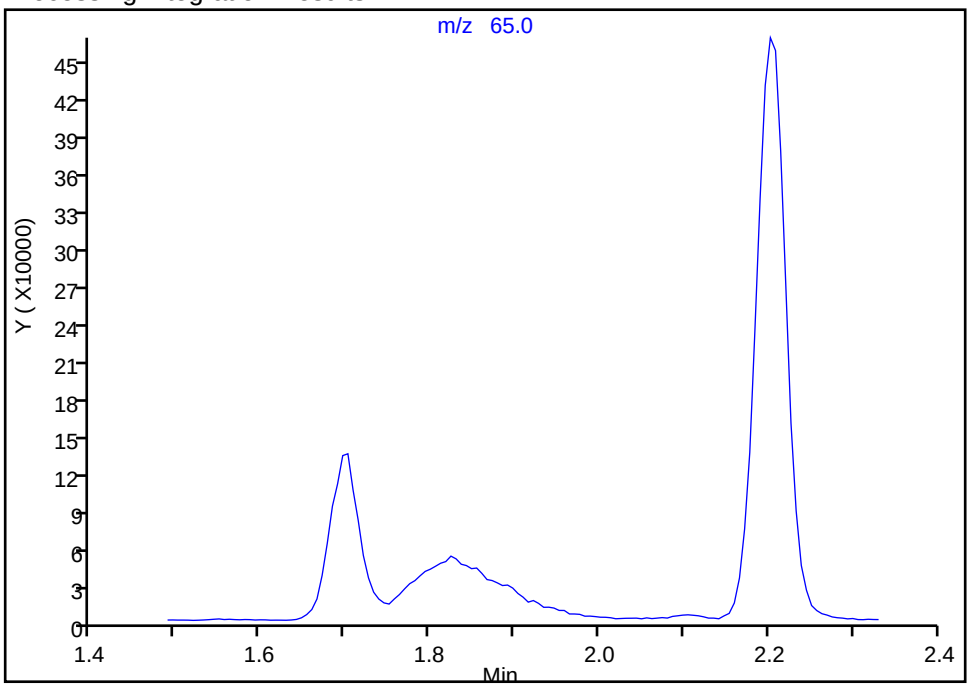
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52891.D
Injection Date: 27-Dec-2019 14:06:30 Instrument ID: CVOAMS2
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 27 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

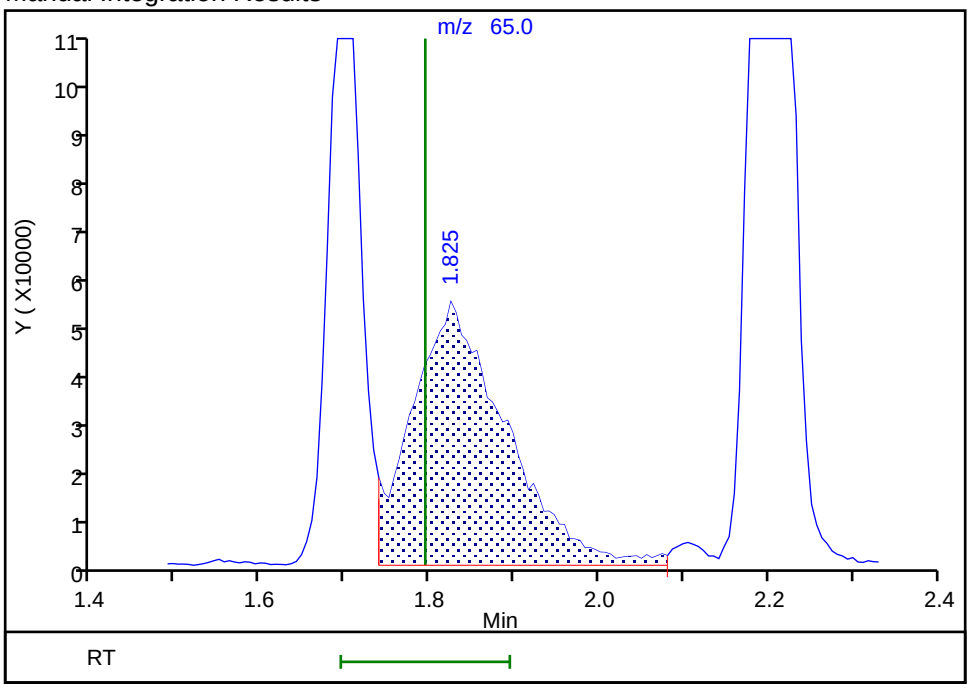
Not Detected
Expected RT: 1.79

Processing Integration Results



Manual Integration Results

RT: 1.82
Area: 392886
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:46:17
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

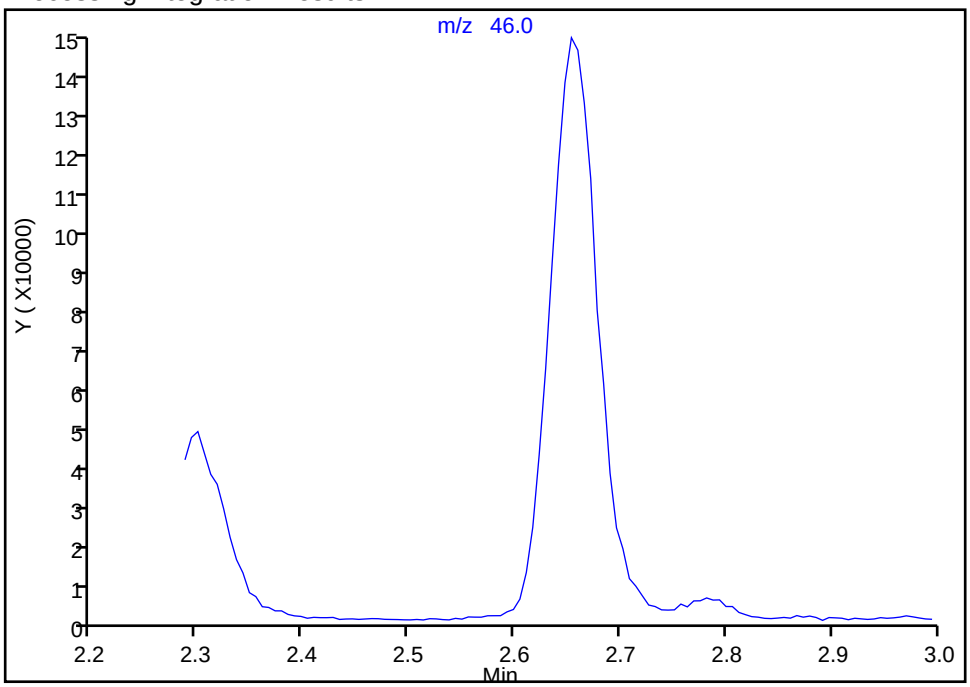
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52891.D
Injection Date: 27-Dec-2019 14:06:30 Instrument ID: CVOAMS2
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 39 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

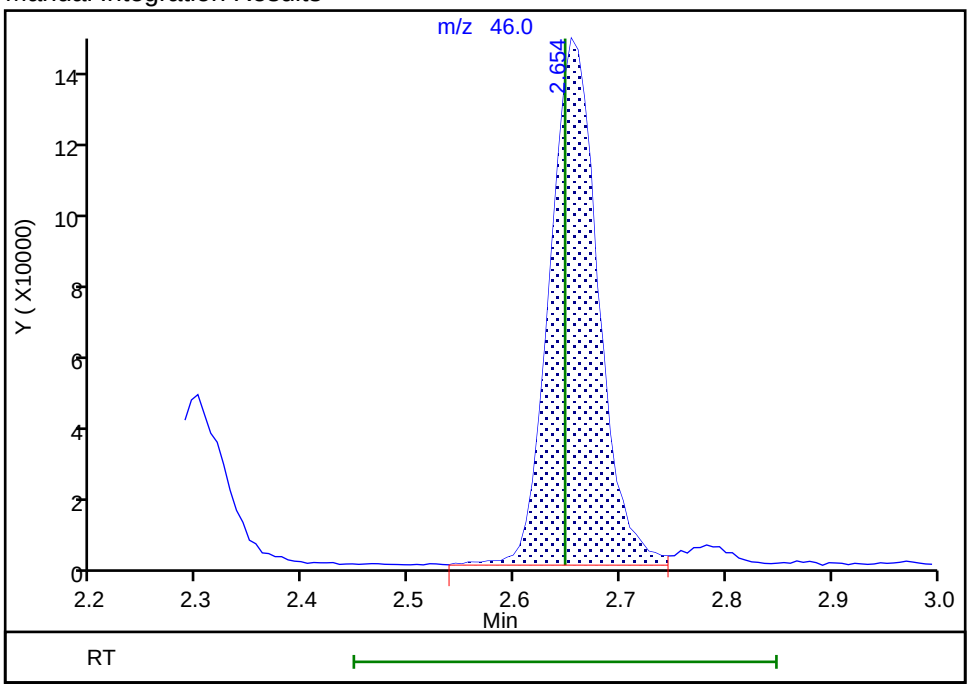
Not Detected
Expected RT: 2.65

Processing Integration Results



Manual Integration Results

RT: 2.65
Area: 448915
Amount: 250.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:46:21
Audit Action: Assigned Compound ID Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

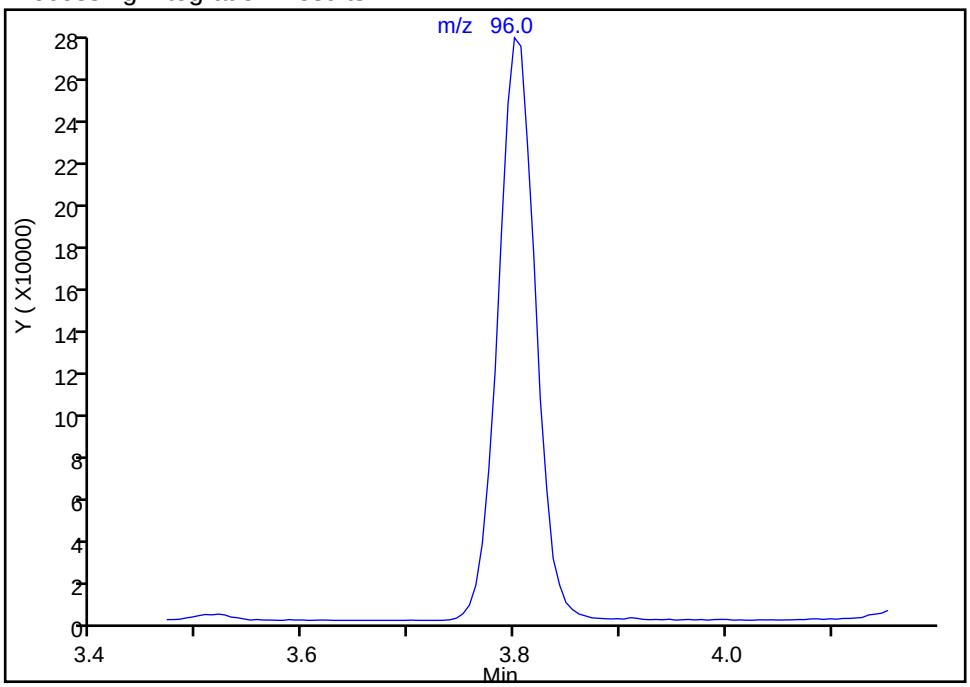
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52891.D
Injection Date: 27-Dec-2019 14:06:30 Instrument ID: CVOAMS2
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 63 Fluorobenzene, CAS: 462-06-6

Signal: 1

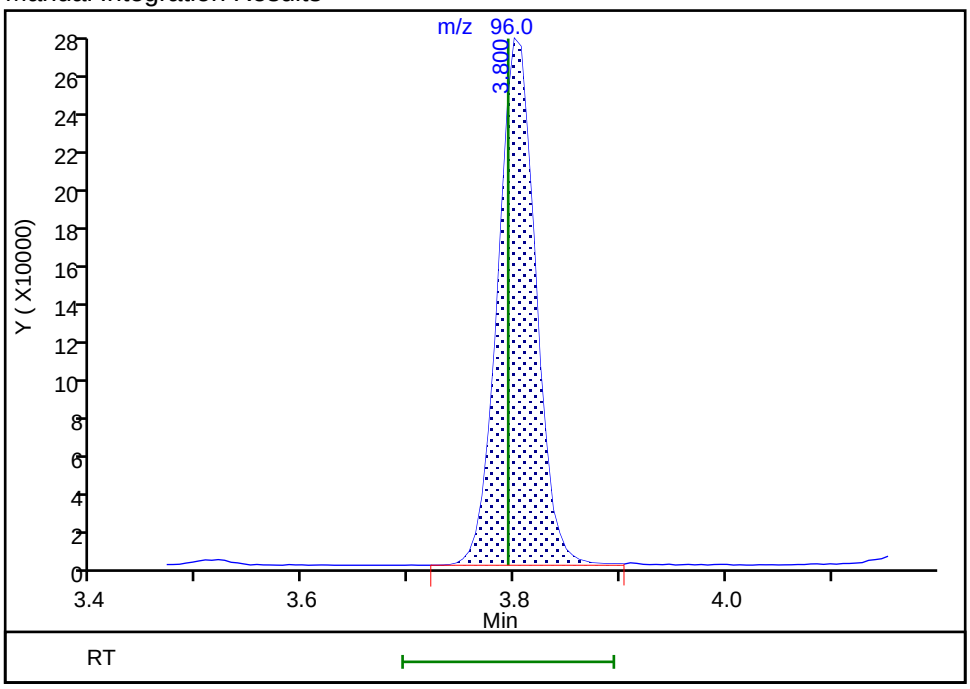
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 693086
Amount: 50.000000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:46:25
Audit Action: Assigned Compound ID Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

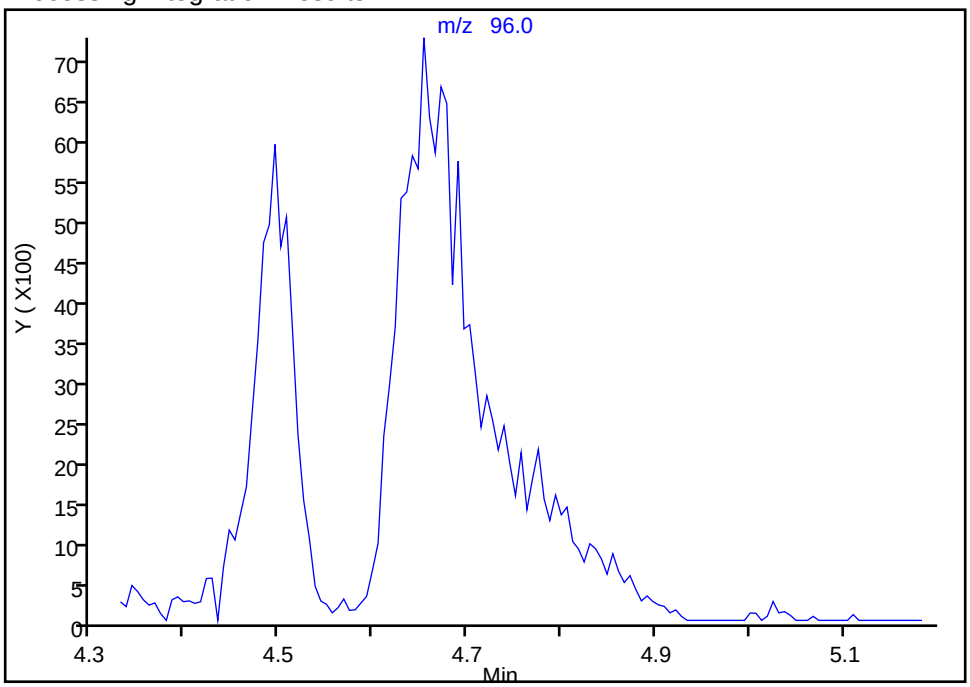
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52891.D
Injection Date: 27-Dec-2019 14:06:30 Instrument ID: CVOAMS2
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 70 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

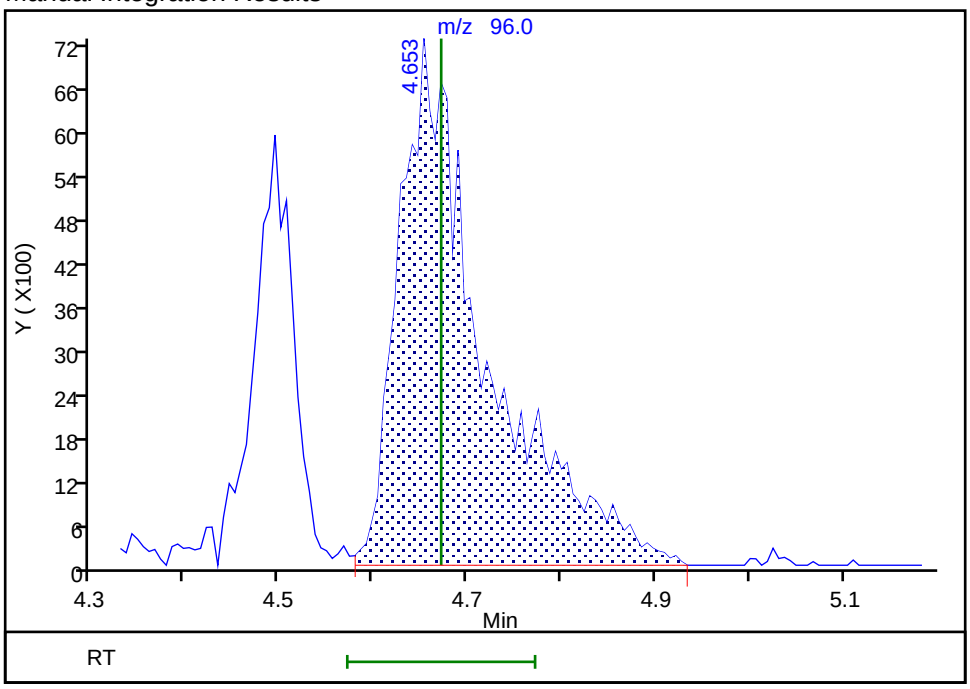
Not Detected
Expected RT: 4.67

Processing Integration Results



Manual Integration Results

RT: 4.65
Area: 46191
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:46:29
Audit Action: Assigned Compound ID Audit Reason: Shouldering

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Dec-2019 17:16:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0103524-017
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 31-Dec-2019 09:42:44 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: tupayachia Date: 28-Dec-2019 03:52:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.727	0.727	0.000	41	1662	1.00	1.03	
2 Dichlorodifluoromethane	85	0.746	0.734	0.012	31	5735	1.00	0.9269	M
3 Chloromethane	50	0.813	0.819	-0.006	95	5718	1.00	0.8519	M
4 Butadiene	54	0.862	0.862	0.000	66	3441	1.00	0.9044	
5 Vinyl chloride	62	0.868	0.868	0.000	95	3593	1.00	0.8420	
6 Bromomethane	94	1.014	1.008	0.006	90	3195	1.00	0.9882	
7 Chloroethane	64	1.051	1.044	0.007	66	2320	1.00	0.99	
9 Dichlorofluoromethane	67	1.154	1.154	0.000	54	5570	1.00	0.8508	
10 Pentane	72	1.191	1.191	0.000	90	1023	2.00	2.33	
8 Trichlorofluoromethane	101	1.179	1.191	-0.012	75	5466	1.00	0.8592	
11 Ethanol	46	1.319	1.307	0.012	37	142	40.0	12.7	Ma
12 Ethyl ether	59	1.301	1.313	-0.012	45	2580	1.00	1.05	a
13 2-Methyl-1,3-butadiene	53	1.325	1.319	0.006	93	2945	1.00	1.01	
14 1,2-Dichloro-1,1,2-trifluo	117	1.349	1.337	0.012	78	3056	1.00	0.9893	M
15 Acrolein	56	1.380	1.386	-0.006	27	2052	4.00	4.73	M
16 1,1-Dichloroethene	96	1.429	1.435	-0.006	93	3196	1.00	1.11	a
17 1,1,2-Trichloro-1,2,2-trif	101	1.447	1.465	-0.018	37	3126	1.00	0.9870	M
18 Acetone	43	1.471	1.471	0.000	47	5583	5.00	5.36	M
19 Iodomethane	142	1.520	1.520	0.000	99	5999	1.00	0.9704	
20 Carbon disulfide	76	1.557	1.557	0.000	99	10108	1.00	1.02	
21 Isopropyl alcohol	45	1.581	1.605	-0.024	1	1456	10.0	7.53	M
22 3-Chloro-1-propene	76	1.648	1.648	0.000	90	1973	1.00	1.05	
25 Acetonitrile	40	1.648	1.648	0.000	74	1834	10.0	7.46	
24 Methyl acetate	43	1.685	1.666	0.019	21	3459	2.00	1.35	M
23 Cyclopentene	67	1.697	1.697	0.000	91	7032	1.00	1.02	
26 Methylene Chloride	84	1.721	1.733	-0.012	93	3900	1.00	1.10	
* 27 TBA-d9 (IS)	65	1.807	1.794	0.012	0	257038	1000.0	1000.0	
28 2-Methyl-2-propanol	59	1.843	1.855	-0.012	32	2555	10.0	9.47	M
31 Acrylonitrile	53	1.892	1.892	0.000	91	10213	10.0	8.85	
30 trans-1,2-Dichloroethene	96	1.904	1.910	-0.006	84	3350	1.00	1.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methyl tert-butyl ether	73	1.928	1.928	0.000	63	8890	1.00	1.05	M
32 Hexane	43	2.117	2.105	0.012	89	3107	1.00	1.09	
34 1,1-Dichloroethane	63	2.209	2.197	0.012	89	5661	1.00	0.9899	
35 Vinyl acetate	86	2.276	2.264	0.012	99	669	2.00	1.57	M
36 2-Chloro-1,3-butadiene	88	2.276	2.270	0.006	75	2864	1.00	1.06	M
33 Isopropyl ether	45	2.300	2.288	0.012	95	11620	1.00	1.01	a
37 Tert-butyl ethyl ether	87	2.575	2.581	-0.006	36	3750	1.00	1.02	a
* 39 2-Butanone-d5	46	2.654	2.648	0.006	0	293738	250.0	250.0	
38 2,2-Dichloropropane	41	2.660	2.666	-0.006	46	2780	1.00	0.8593	M
40 cis-1,2-Dichloroethene	96	2.666	2.672	-0.006	27	3647	1.00	1.05	M
41 2-Butanone (MEK)	72	2.690	2.703	-0.013	21	977	5.00	3.66	
44 Propionitrile	54	2.782	2.745	0.037	24	3602	10.0	9.55	M
43 Methyl acrylate	85	2.788	2.782	0.006	1	270	1.00	0.6515	
42 Ethyl acetate	70	2.788	2.782	0.006	10	299	2.00	1.41	M
46 Chlorobromomethane	128	2.867	2.867	0.000	58	2503	1.00	1.22	
47 Methacrylonitrile	67	2.886	2.879	0.007	94	10784	10.0	9.09	
45 Tetrahydrofuran	72	2.953	2.928	0.025	44	508	2.00	1.53	
48 Chloroform	83	2.977	2.965	0.012	96	6083	1.00	1.02	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	97	194803	50.0	49.7	
50 1,1,1-Trichloroethane	97	3.123	3.123	0.000	36	6107	1.00	1.10	
49 Cyclohexane	84	3.160	3.166	-0.006	92	4729	1.00	1.04	a
52 Carbon tetrachloride	117	3.282	3.276	0.006	87	4692	1.00	0.9814	
53 1,1-Dichloropropene	75	3.276	3.276	0.000	85	4289	1.00	1.01	M
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.434	3.428	0.006	0	229878	50.0	48.5	
55 Benzene	78	3.477	3.477	0.000	41	11466	1.00	1.02	M
60 1,2-Dichloroethane	62	3.520	3.514	0.006	68	5076	1.00	1.07	
54 Isooctane	57	3.599	3.605	-0.006	93	9587	1.00	1.02	
59 Tert-amyl methyl ether	73	3.660	3.654	0.006	89	9181	1.00	0.9601	
61 Isopropyl acetate	61	3.672	3.678	-0.006	85	770	1.00	0.7905	M
* 63 Fluorobenzene	96	3.800	3.794	0.006	98	532483	50.0	50.0	
62 n-Heptane	43	3.843	3.843	0.000	36	4361	1.00	1.03	a
64 Trichloroethene	95	4.233	4.221	0.012	94	3628	1.00	1.13	
66 Methylcyclohexane	83	4.452	4.446	0.006	85	5065	1.00	1.05	
67 Ethyl acrylate	55	4.458	4.452	0.006	90	6452	1.00	0.9113	M
69 1,2-Dichloropropane	63	4.501	4.483	0.018	57	2686	1.00	0.9060	
72 Dibromomethane	93	4.647	4.629	0.018	50	1965	1.00	0.9735	
* 70 1,4-Dioxane-d8	96	4.672	4.672	0.000	0	20797	1000.0	1000.0	M
73 1,4-Dioxane	88	4.745	4.733	0.012	35	860	50.0	41.1	a
71 Methyl methacrylate	100	4.794	4.751	0.043	72	1434	2.00	2.13	a
74 n-Propyl acetate	43	4.891	4.879	0.012	91	3339	1.00	0.7835	
75 Dichlorobromomethane	83	4.885	4.879	0.006	90	3897	1.00	0.9579	
76 2-Nitropropane	41	5.208	5.214	-0.006	40	1670	2.00	2.28	M
77 2-Chloroethyl vinyl ether	63	5.385	5.385	0.000	1	650	1.00	0.8595	a
78 Epichlorohydrin	62	5.434	5.422	0.012	25	413	20.0	10.8	
79 cis-1,3-Dichloropropene	75	5.550	5.537	0.013	91	3224	1.00	0.7805	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	33	17217	5.00	5.43	a
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	634722	50.0	50.6	
82 Toluene	91	6.007	6.007	0.000	93	11346	1.00	0.99	
83 trans-1,3-Dichloropropene	75	6.470	6.446	0.024	75	2970	1.00	0.8400	a
86 1,1,2-Trichloroethane	83	6.714	6.720	-0.006	88	2036	1.00	1.00	
84 Ethyl methacrylate	69	6.732	6.726	0.006	79	2580	1.00	0.8001	
85 Tetrachloroethene	166	6.879	6.879	0.000	88	2946	1.00	0.9730	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,3-Dichloropropane	76	6.982	6.976	0.006	93	3698	1.00	0.9174	
88 2-Hexanone	43	7.281	7.269	0.012	96	8491	5.00	4.64	a
89 Chlorodibromomethane	129	7.342	7.348	-0.006	64	2825	1.00	0.9727	
91 Ethylene Dibromide	107	7.482	7.470	0.012	23	2270	1.00	0.9125	
90 n-Butyl acetate	73	7.622	7.598	0.024	94	389	1.00	0.7081	M
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	87	414661	50.0	50.0	
93 Chlorobenzene	112	8.427	8.427	0.000	88	7643	1.00	1.01	M
95 1,1,1,2-Tetrachloroethane	131	8.641	8.647	-0.006	84	2874	1.00	0.9674	M
94 Ethylbenzene	106	8.738	8.726	0.012	97	4005	1.00	0.99	
96 m-Xylene & p-Xylene	106	8.976	8.970	0.006	0	5517	1.00	1.11	
97 o-Xylene	106	9.683	9.683	0.000	94	5241	1.00	1.02	
99 Styrene	104	9.726	9.720	0.006	76	6644	1.00	0.8734	
98 n-Butyl acrylate	73	9.902	9.884	0.018	86	1266	1.00	1.02	
100 Bromoform	173	9.957	9.976	-0.019	52	1635	1.00	0.9402	
101 Amyl acetate (mixed isomer	43	10.366	10.348	0.018	62	4267	1.00	0.7035	M
102 Isopropylbenzene	105	10.396	10.396	0.000	96	13602	1.00	0.9877	
$ 103 4-Bromofluorobenzene	174	10.610	10.604	0.006	92	218342	50.0	55.7	
104 Bromobenzene	156	10.786	10.780	0.006	89	3511	1.00	0.8865	
107 1,2,3-Trichloropropane	110	10.982	10.994	-0.012	74	1094	1.00	0.8829	
105 1,1,2,2-Tetrachloroethane	83	11.006	11.000	0.006	94	3345	1.00	0.8201	M
108 trans-1,4-Dichloro-2-buten	53	11.116	11.103	0.013	37	532	1.00	0.5492	M
106 N-Propylbenzene	120	11.128	11.128	0.000	98	3710	1.00	0.8681	
109 2-Chlorotoluene	126	11.189	11.189	0.000	96	3745	1.00	0.9484	
110 4-Ethyltoluene	105	11.353	11.347	0.006	98	13882	1.00	0.9018	
112 4-Chlorotoluene	91	11.384	11.390	-0.006	96	10203	1.00	0.8200	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	94	11643	1.00	0.8514	
113 Butyl Methacrylate	87	11.835	11.841	-0.006	94	2729	1.00	0.8259	
114 tert-Butylbenzene	91	12.030	12.036	-0.006	93	5885	1.00	0.8222	
115 1,2,4-Trimethylbenzene	105	12.140	12.134	0.006	97	11881	1.00	0.8756	
116 sec-Butylbenzene	105	12.481	12.487	-0.006	96	13748	1.00	0.8444	
117 1,3-Dichlorobenzene	146	12.585	12.579	0.006	92	7461	1.00	1.01	M
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	96	259083	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.750	12.750	0.000	91	8274	1.00	1.09	
118 4-Isopropyltoluene	119	12.804	12.804	0.000	99	13897	1.00	0.9648	
121 1,2,3-Trimethylbenzene	105	12.890	12.884	0.006	97	12596	1.00	0.8582	
122 Benzyl chloride	126	12.999	12.993	0.006	95	681	1.00	0.5290	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	97	13629	1.00	0.9511	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	96	7812	1.00	0.99	
124 p-Diethylbenzene	105	13.286	13.286	0.000	87	8015	1.00	0.9710	a
125 n-Butylbenzene	92	13.310	13.304	0.006	97	7039	1.00	0.9170	
128 1,2-Dibromo-3-Chloropropan	75	13.938	13.944	-0.006	31	947	1.00	1.06	M
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	96	13598	1.00	0.9231	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	95	6257	1.00	1.01	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	92	5318	1.00	1.00	
131 Hexachlorobutadiene	225	14.664	14.664	0.000	86	2288	1.00	1.13	
132 Naphthalene	128	14.682	14.682	0.000	98	12451	1.00	0.9067	
133 1,2,3-Trichlorobenzene	180	14.834	14.834	0.000	93	6390	1.00	1.11	
S 134 1,2-Dichloroethene, Total	100				0		2.00	2.11	
S 135 Xylenes, Total	100				0		2.00	2.13	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	10.00	Units: uL	
524freon_00016	Amount Added:	10.00	Units: uL	
14DIOXINTER_00109	Amount Added:	30.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
GASES Li_00347	Amount Added:	10.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 31-Dec-2019 09:42:50 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D

Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2 Operator ID:

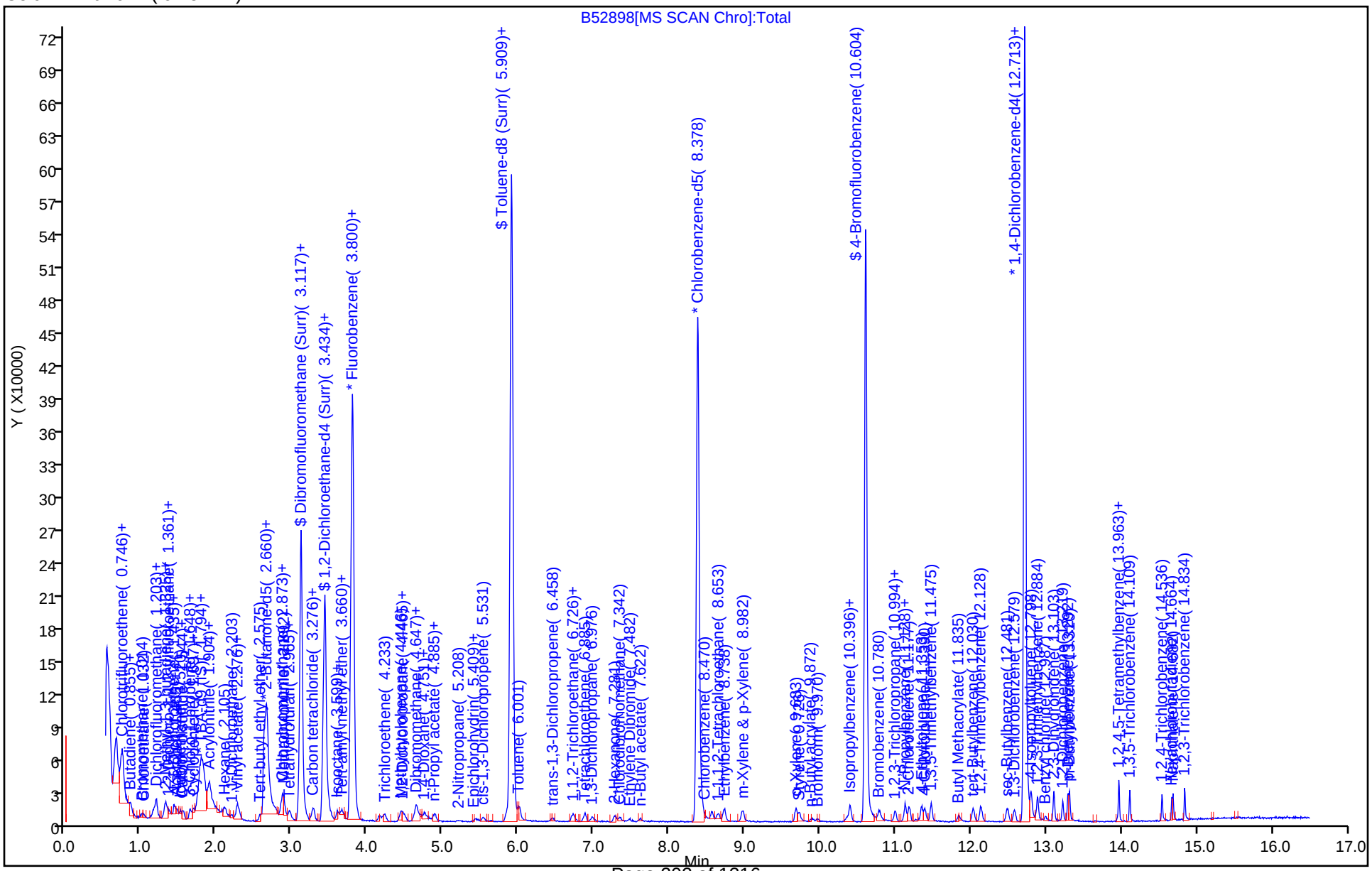
Lims ID: STD1 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

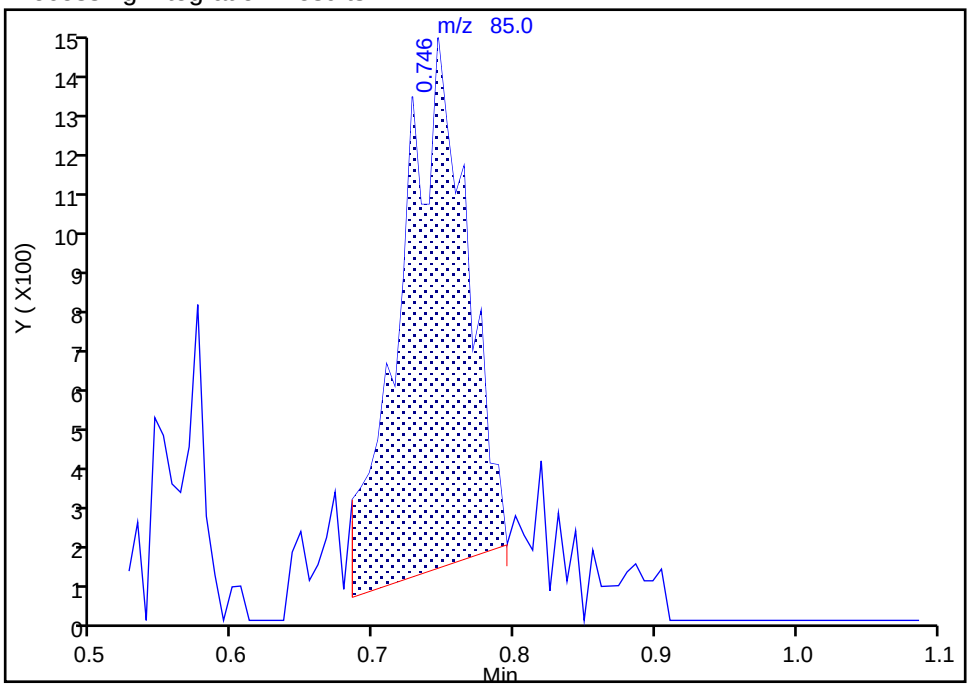
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

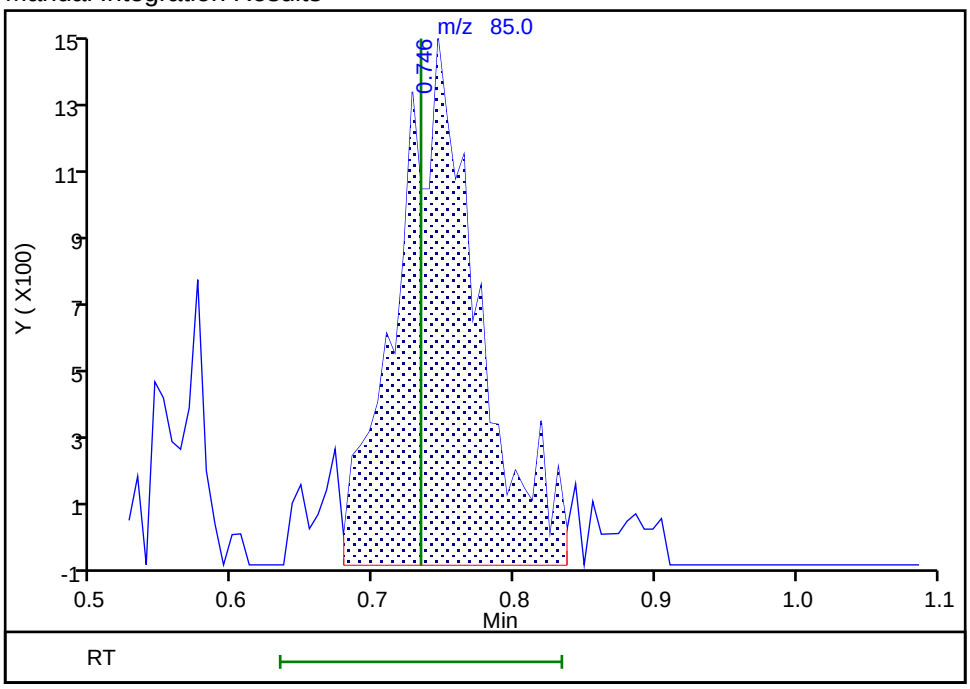
Processing Integration Results

RT: 0.75
Area: 4309
Amount: 0.724259
Amount Units: ug/l



Manual Integration Results

RT: 0.75
Area: 5735
Amount: 0.926915
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:48:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

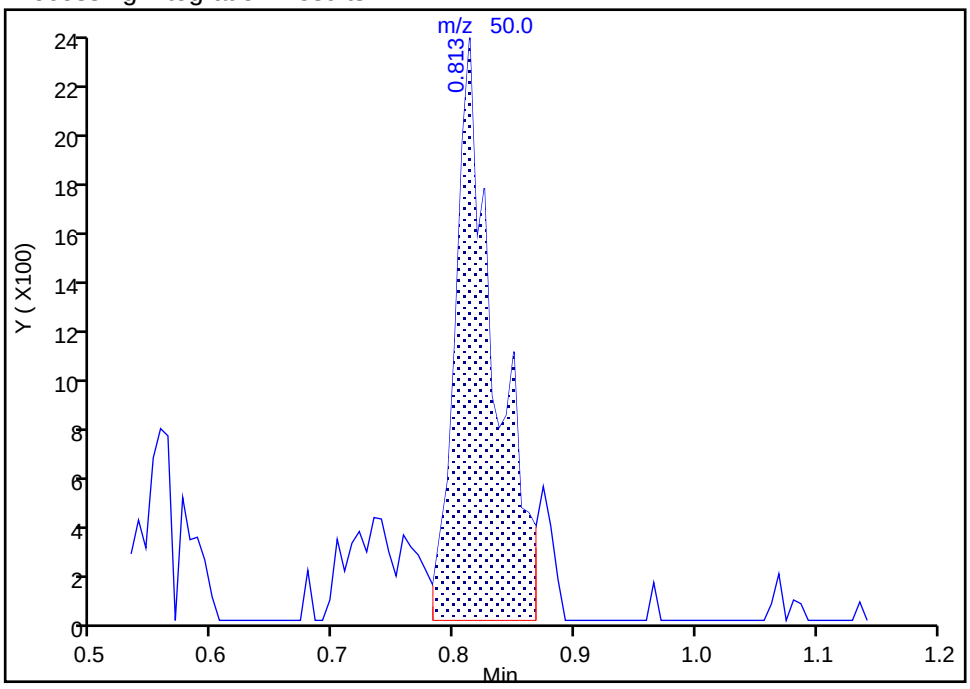
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 Chloromethane, CAS: 74-87-3

Signal: 1

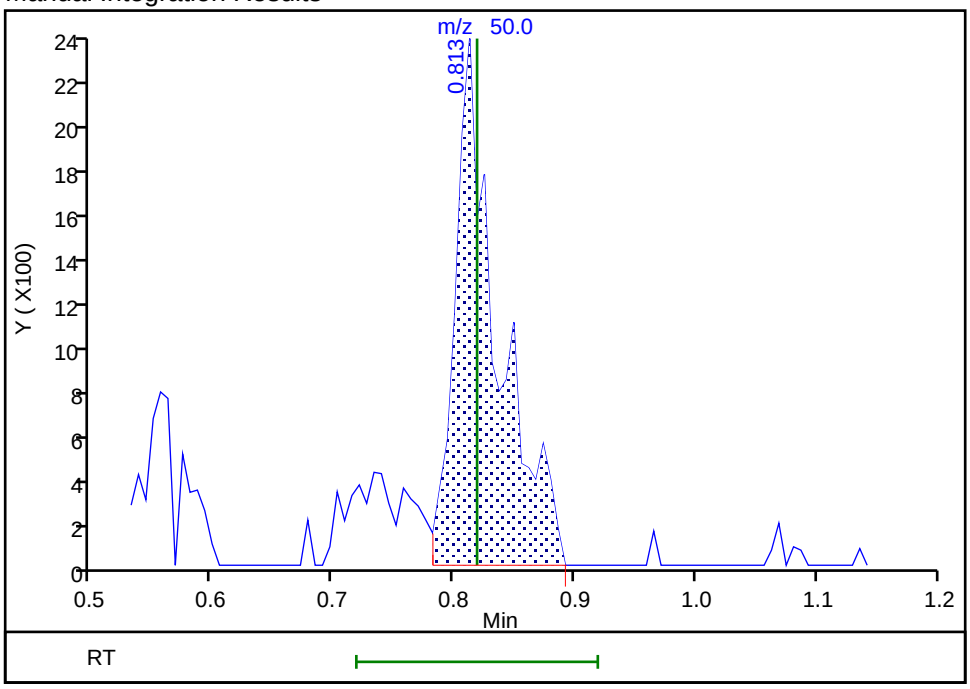
Processing Integration Results

RT: 0.81
Area: 5322
Amount: 0.800758
Amount Units: ug/l



Manual Integration Results

RT: 0.81
Area: 5718
Amount: 0.851881
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:48:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

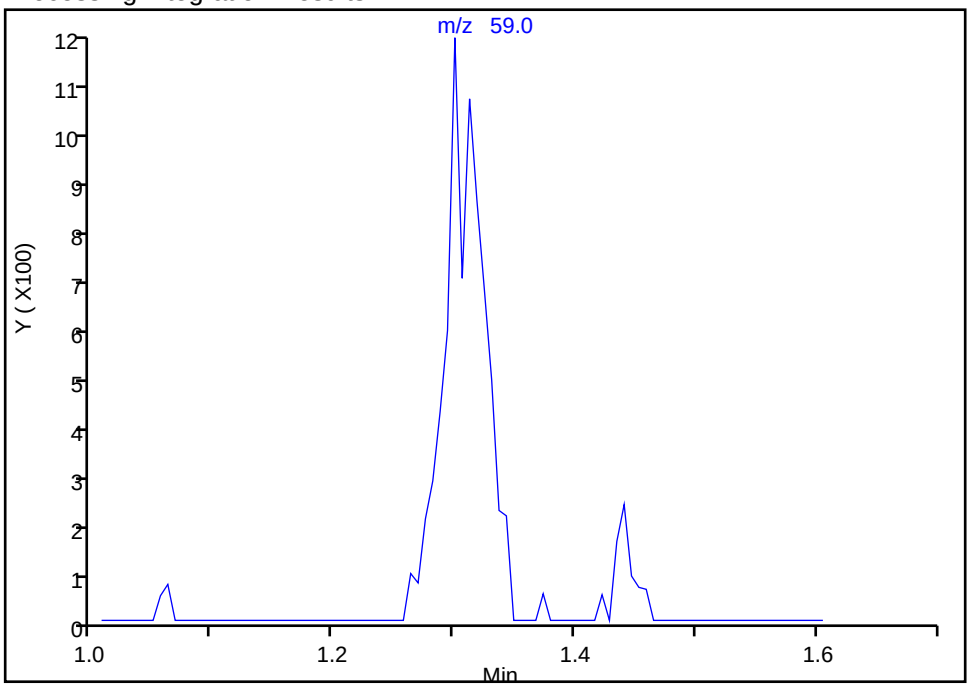
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Ethyl ether, CAS: 60-29-7

Signal: 1

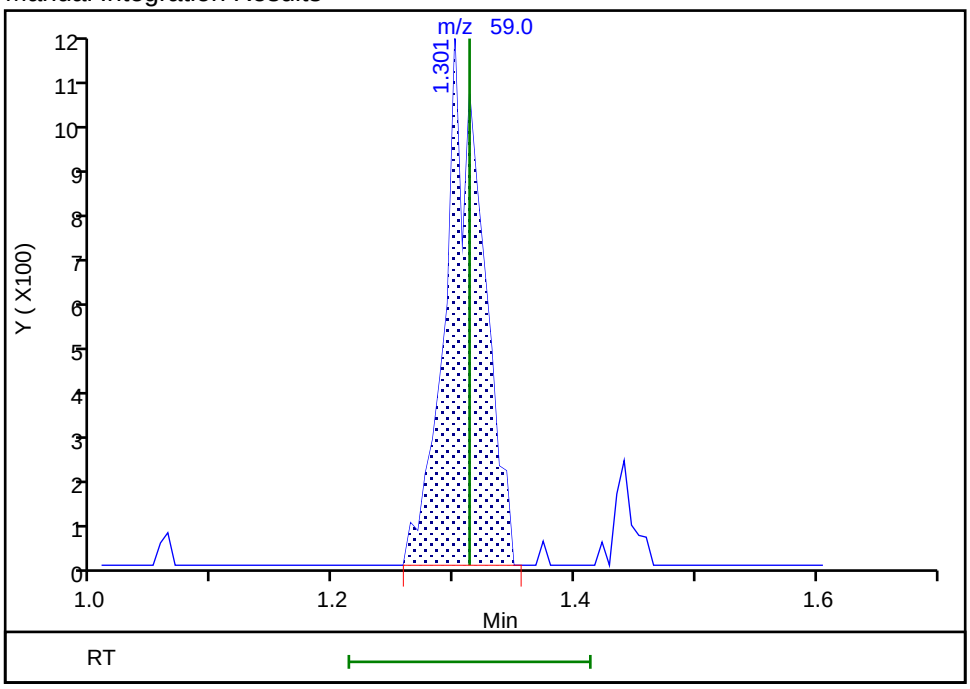
Not Detected
Expected RT: 1.31

Processing Integration Results



Manual Integration Results

RT: 1.30
Area: 2580
Amount: 1.053331
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:49:00
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

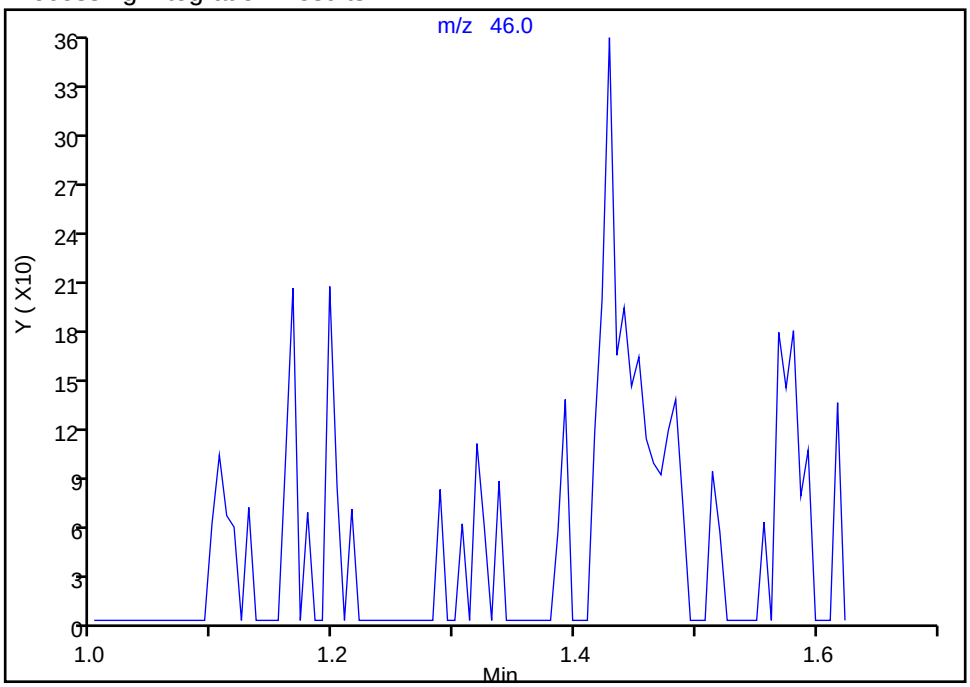
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

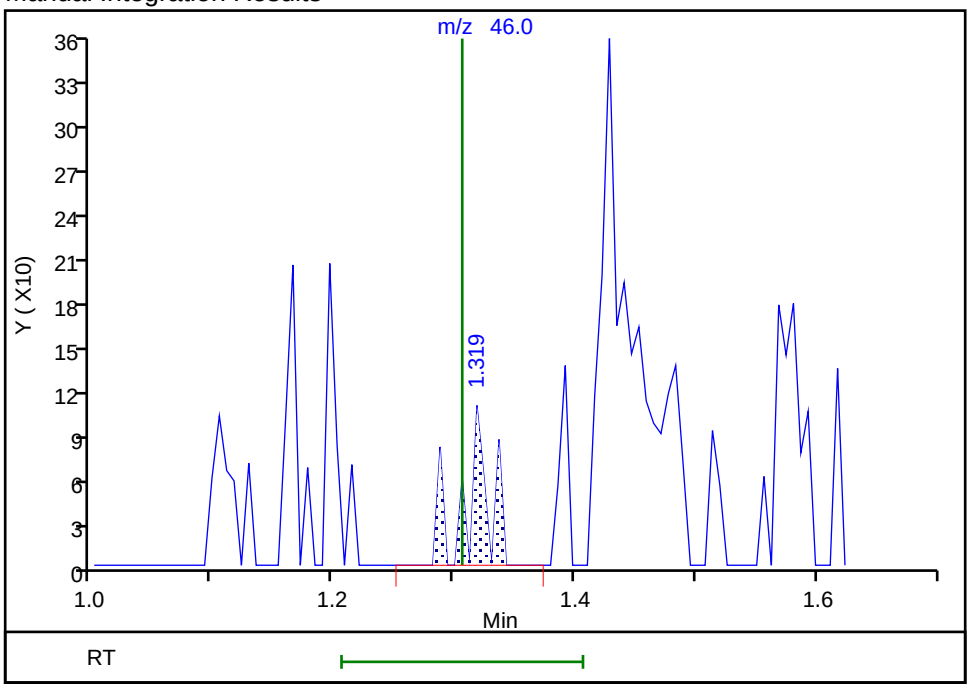
Not Detected
Expected RT: 1.31

Processing Integration Results



Manual Integration Results

RT: 1.32
Area: 142
Amount: 12.745018
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:48:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

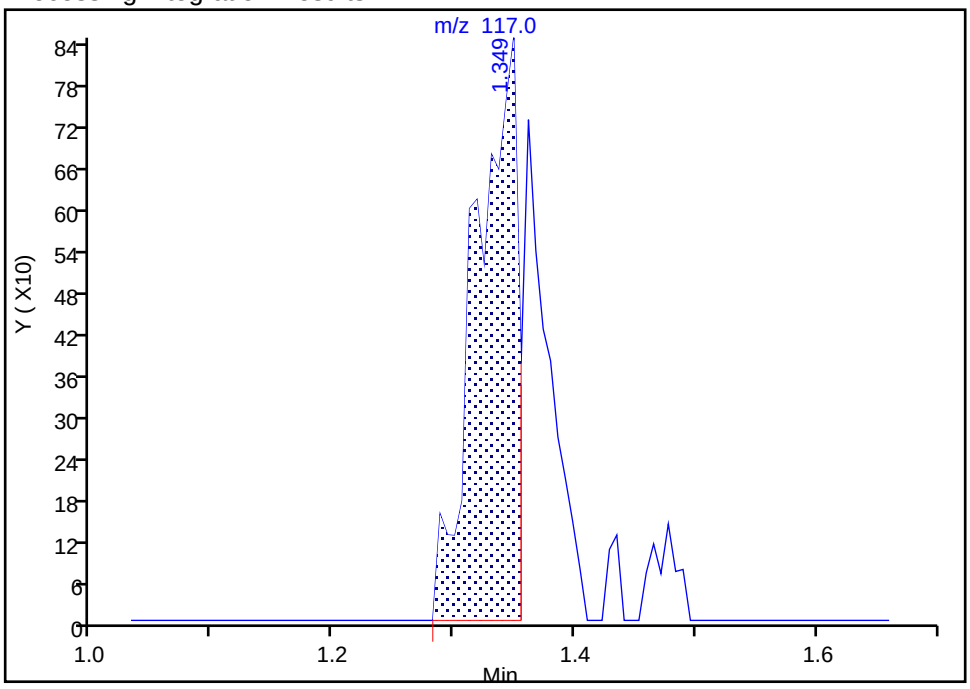
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

14 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

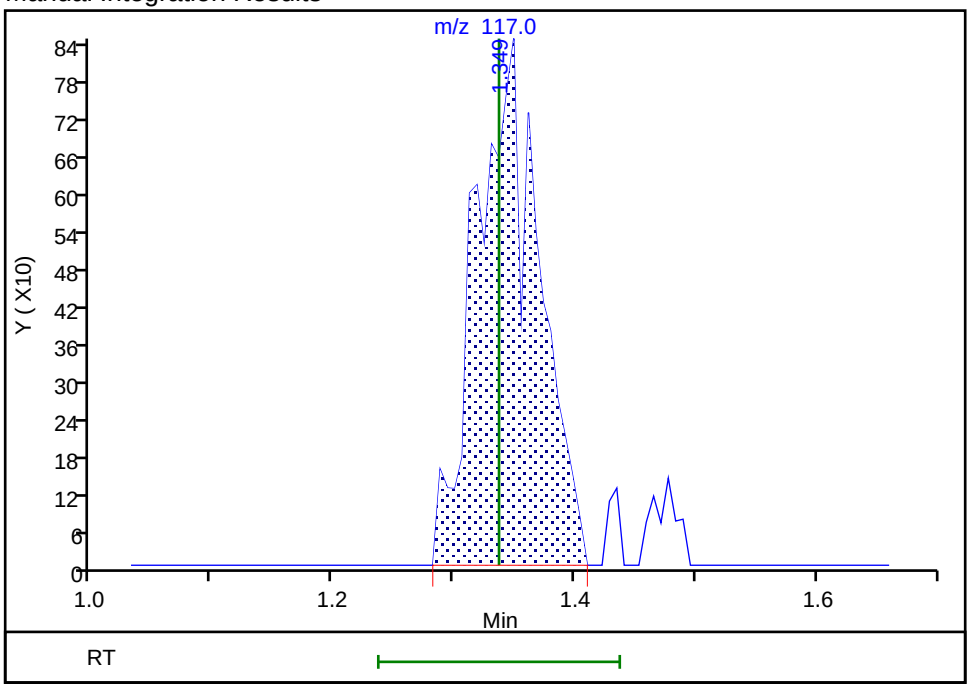
Processing Integration Results

RT: 1.35
Area: 2048
Amount: 0.689847
Amount Units: ug/l



Manual Integration Results

RT: 1.35
Area: 3056
Amount: 0.989348
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:49:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

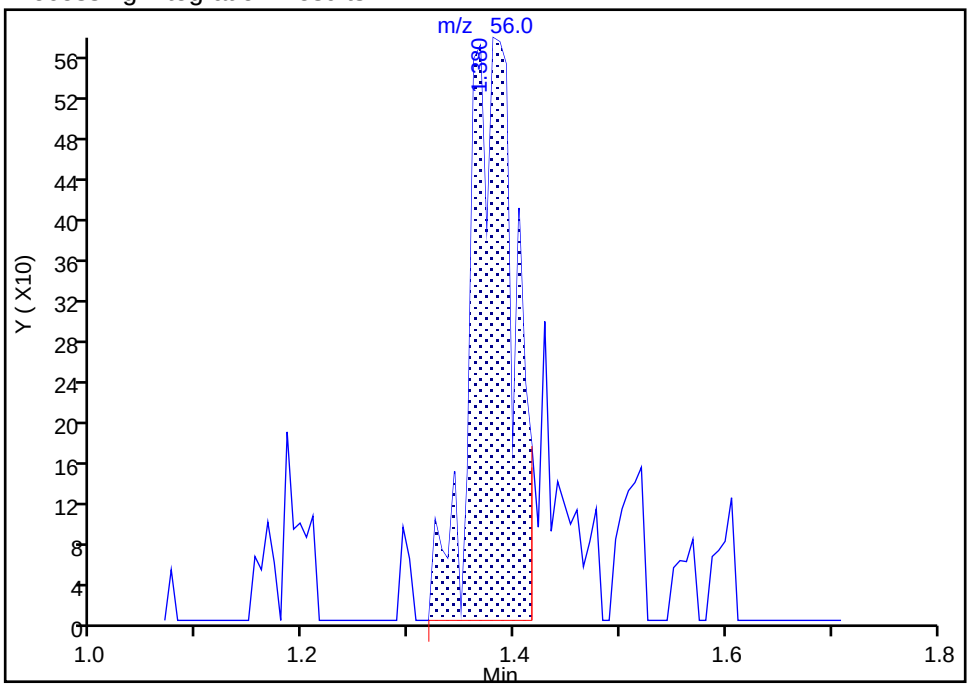
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

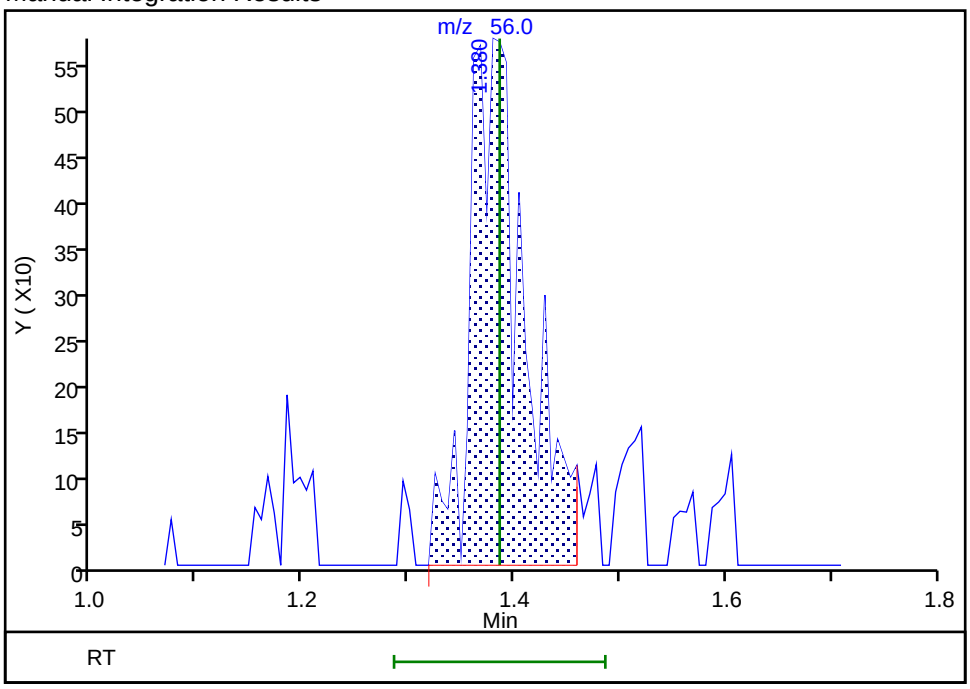
Processing Integration Results

RT: 1.38
Area: 1711
Amount: 3.930962
Amount Units: ug/l



Manual Integration Results

RT: 1.38
Area: 2052
Amount: 4.725691
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:49:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

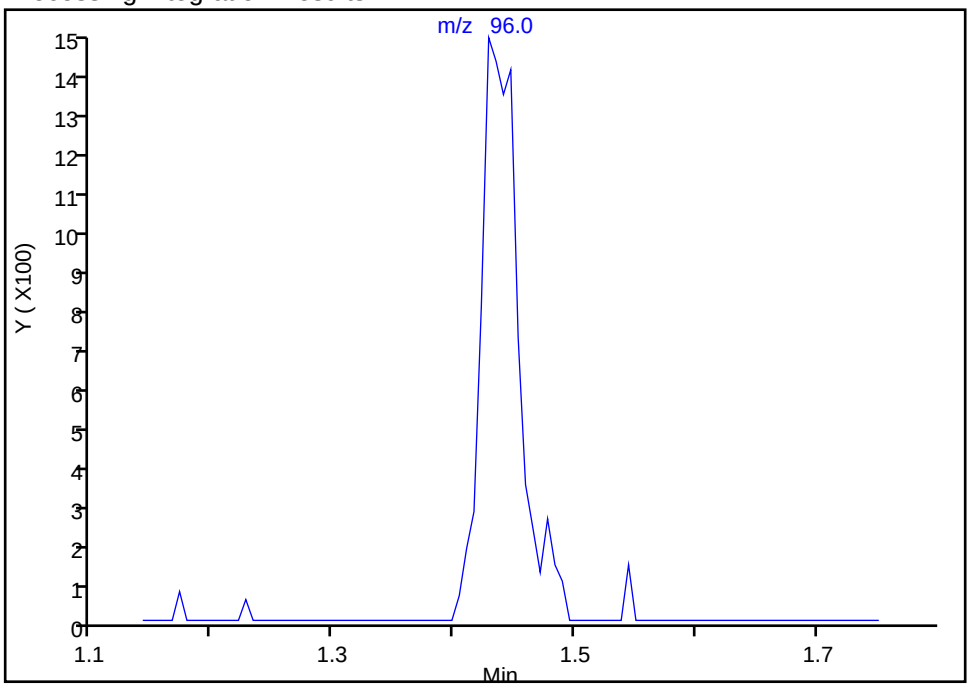
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

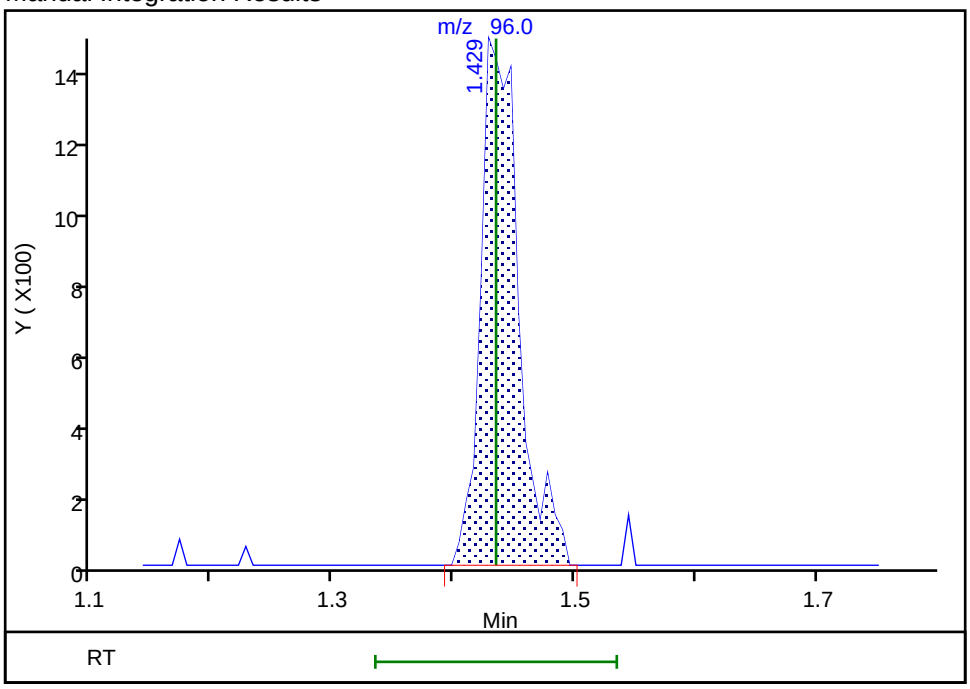
Not Detected
Expected RT: 1.43

Processing Integration Results



Manual Integration Results

RT: 1.43
Area: 3196
Amount: 1.105048
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:49:22
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

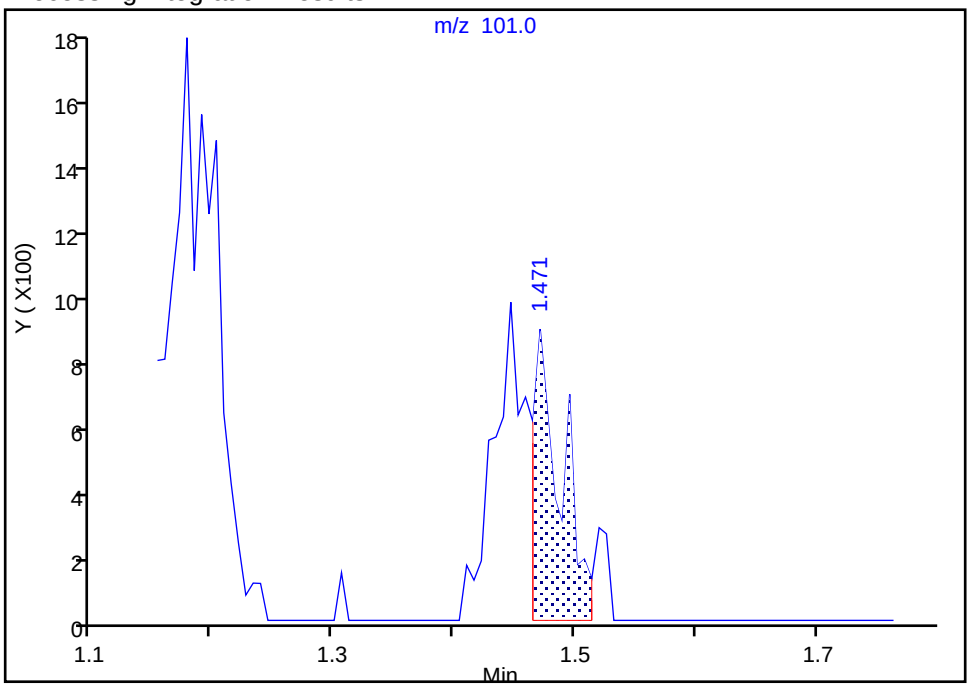
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

17 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

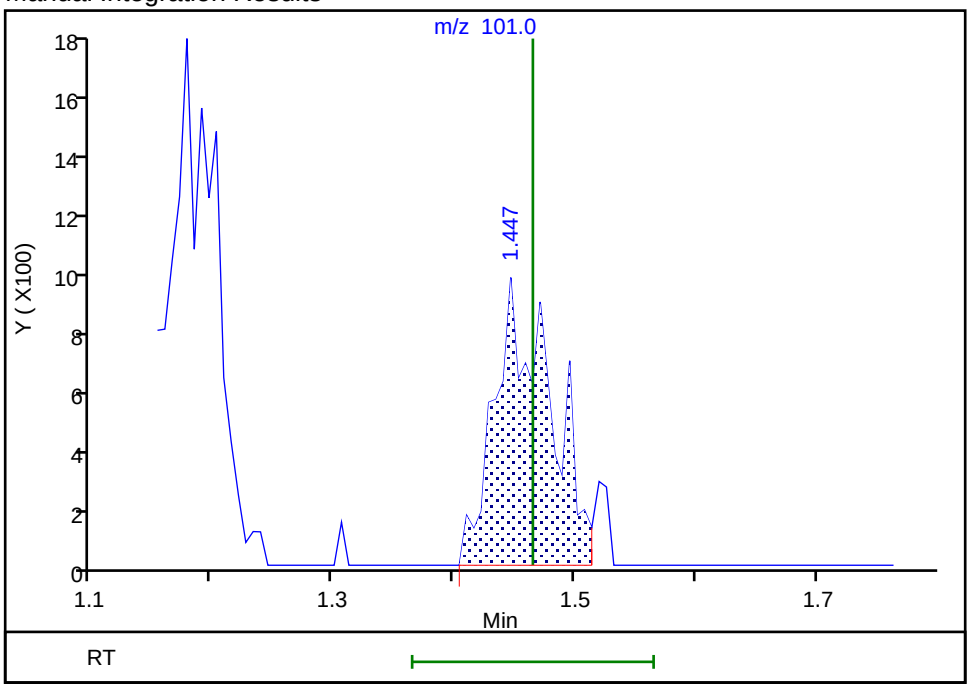
Processing Integration Results

RT: 1.47
Area: 1468
Amount: 0.649261
Amount Units: ug/l



Manual Integration Results

RT: 1.45
Area: 3126
Amount: 0.987024
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:49:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

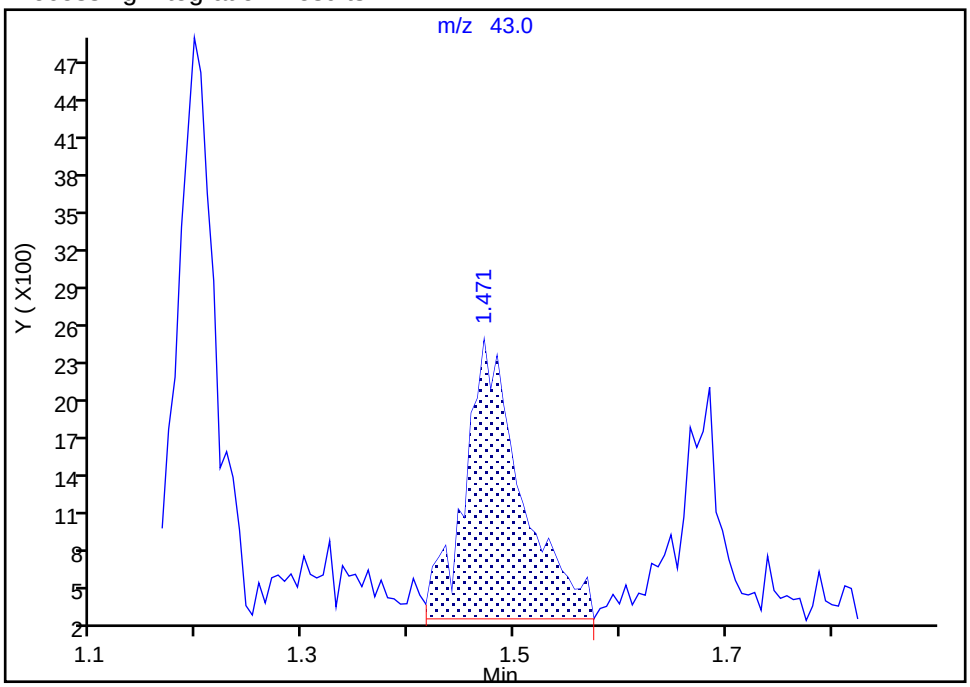
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 Acetone, CAS: 67-64-1

Signal: 1

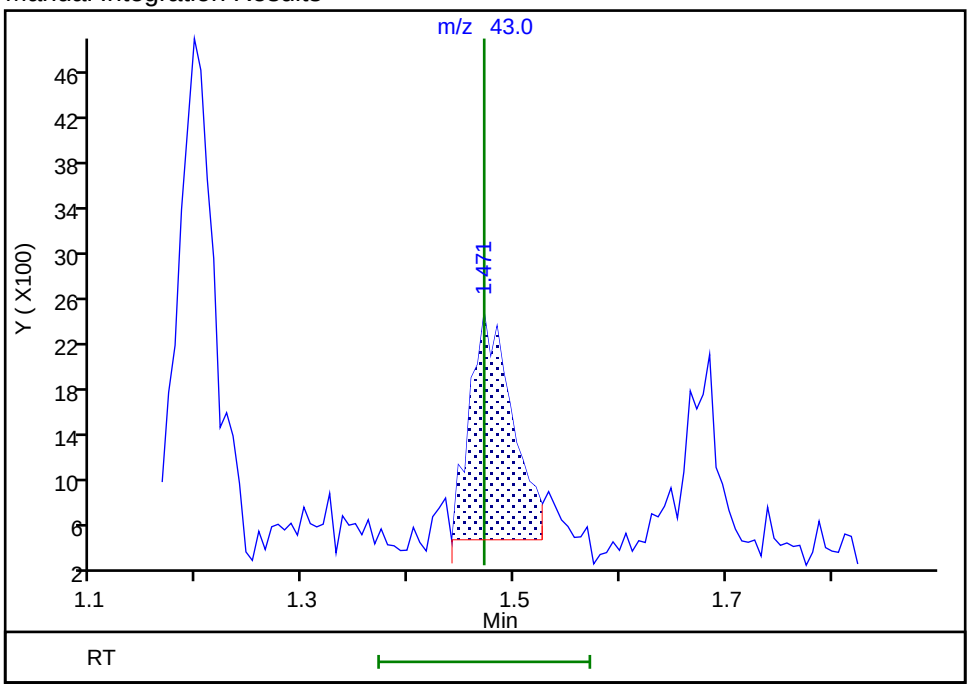
Processing Integration Results

RT: 1.47
Area: 8318
Amount: 8.349151
Amount Units: ug/l



Manual Integration Results

RT: 1.47
Area: 5583
Amount: 5.361789
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:50:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

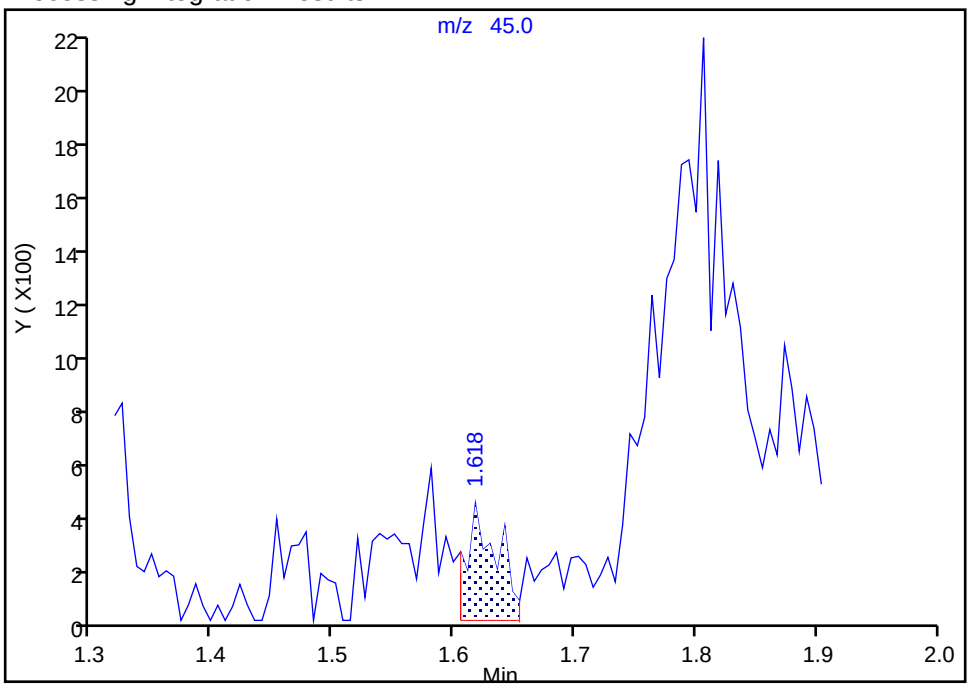
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

21 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

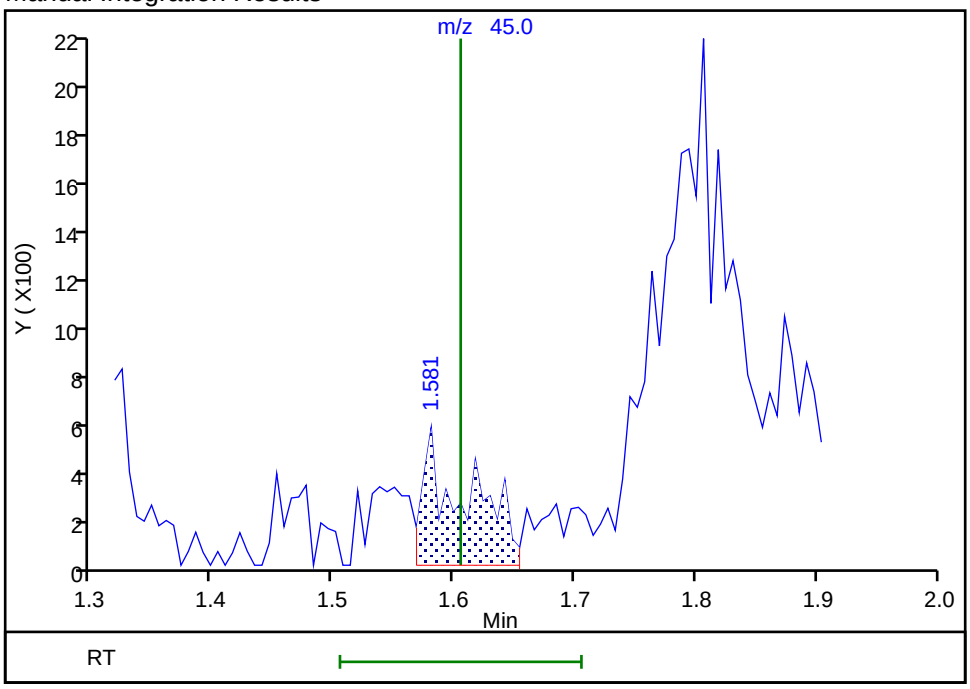
Processing Integration Results

RT: 1.62
Area: 790
Amount: 3.982982
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 1456
Amount: 7.525039
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 09:05:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

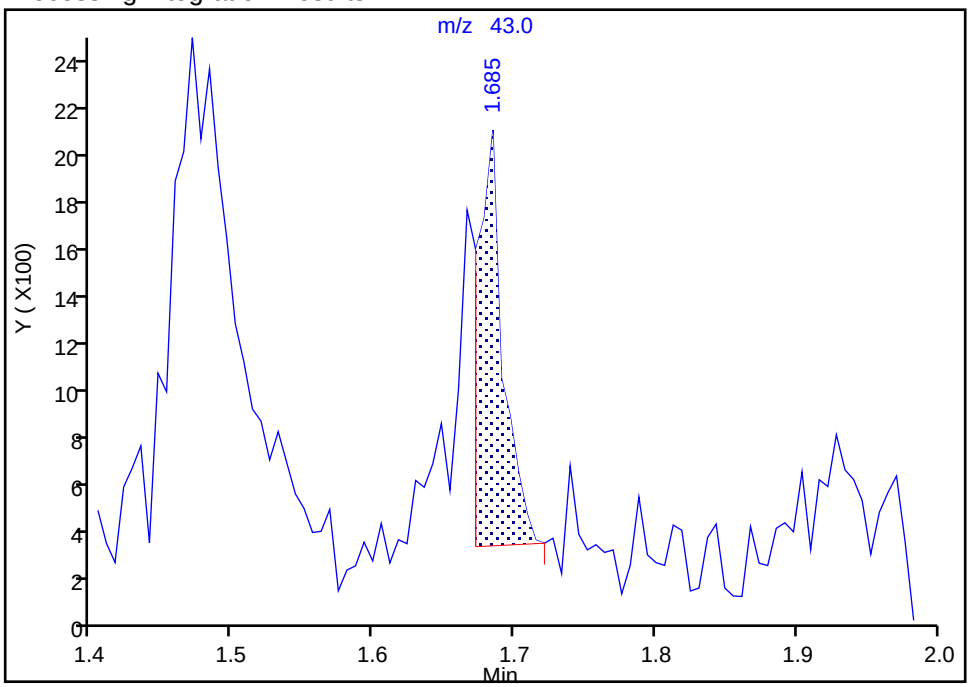
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Methyl acetate, CAS: 79-20-9

Signal: 1

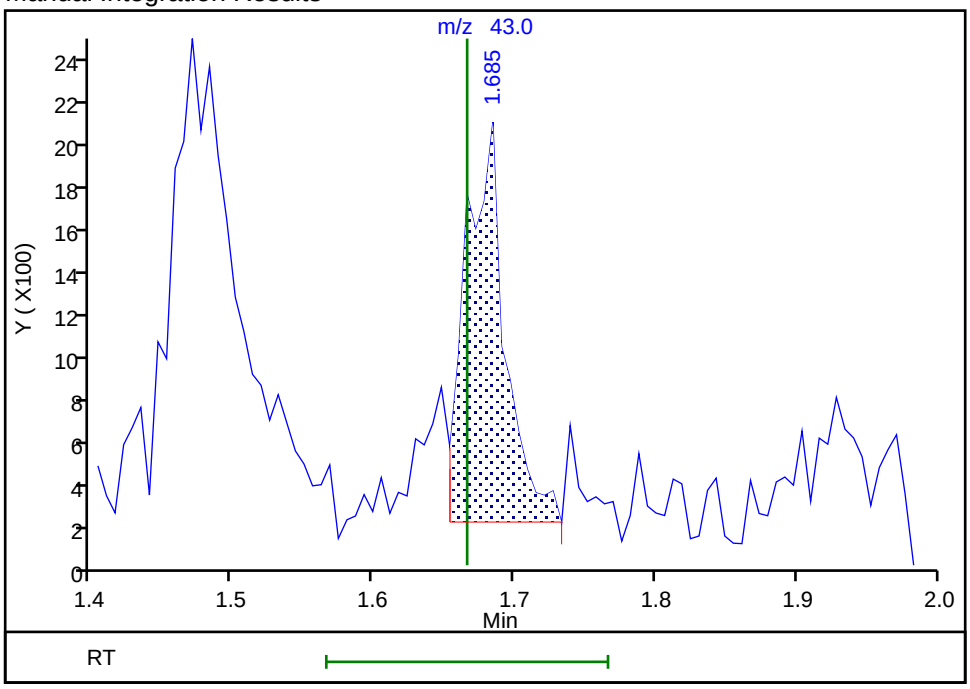
Processing Integration Results

RT: 1.68
Area: 2121
Amount: 0.947411
Amount Units: ug/l



Manual Integration Results

RT: 1.68
Area: 3459
Amount: 1.348141
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 09:05:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

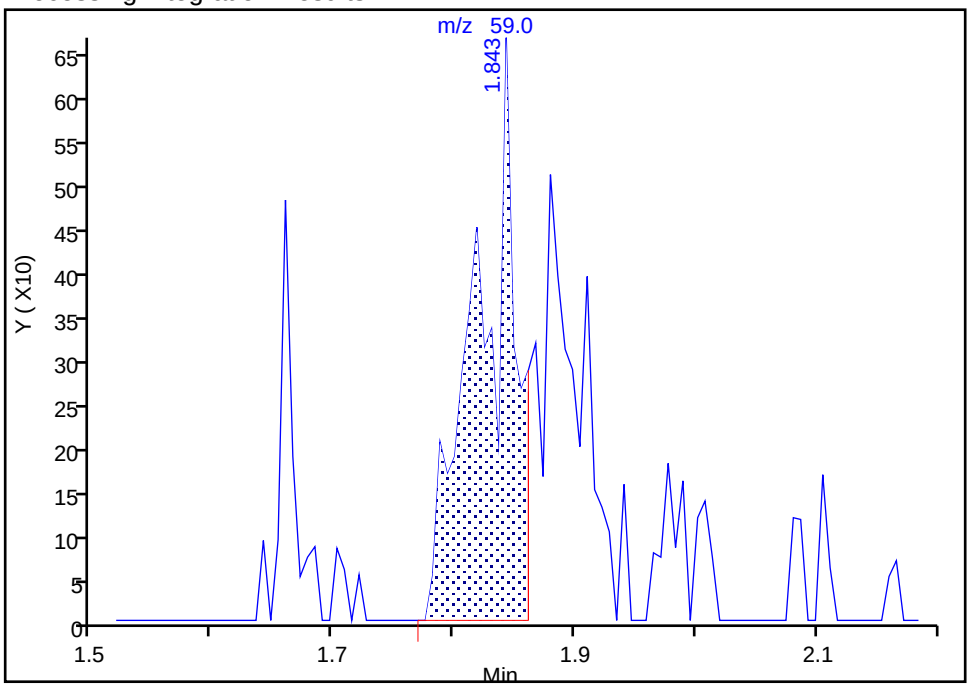
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

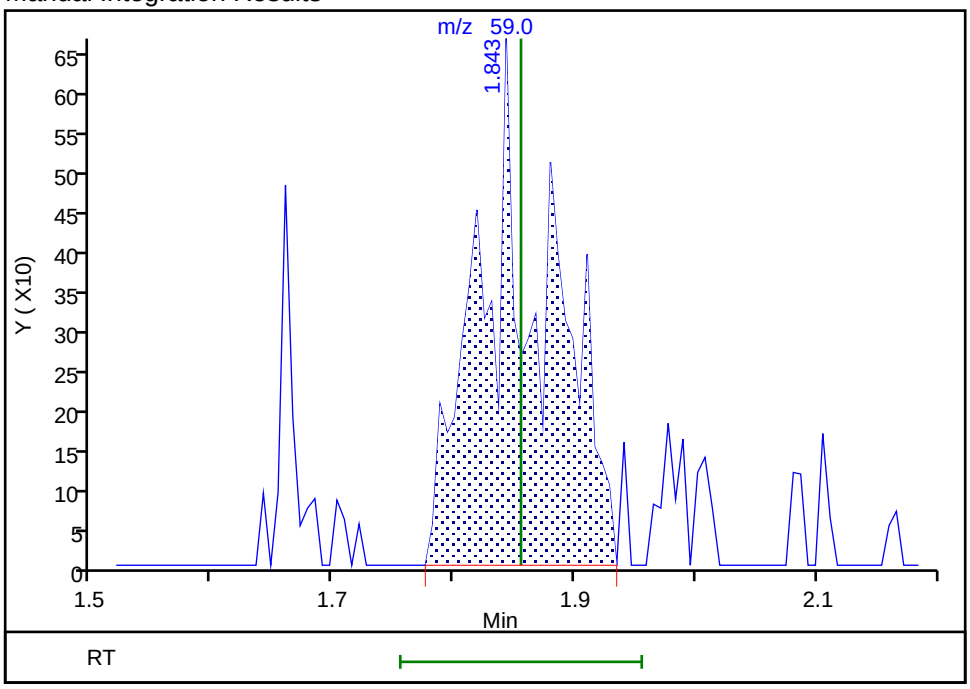
Processing Integration Results

RT: 1.84
Area: 1478
Amount: 5.821835
Amount Units: ug/l



Manual Integration Results

RT: 1.84
Area: 2555
Amount: 9.467980
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:50:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

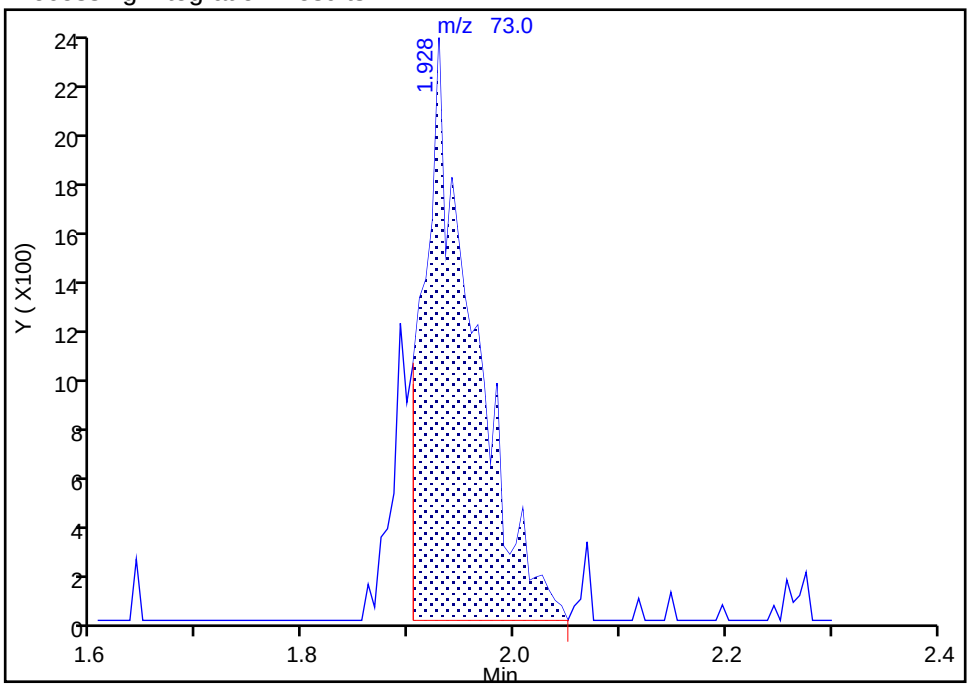
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

29 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

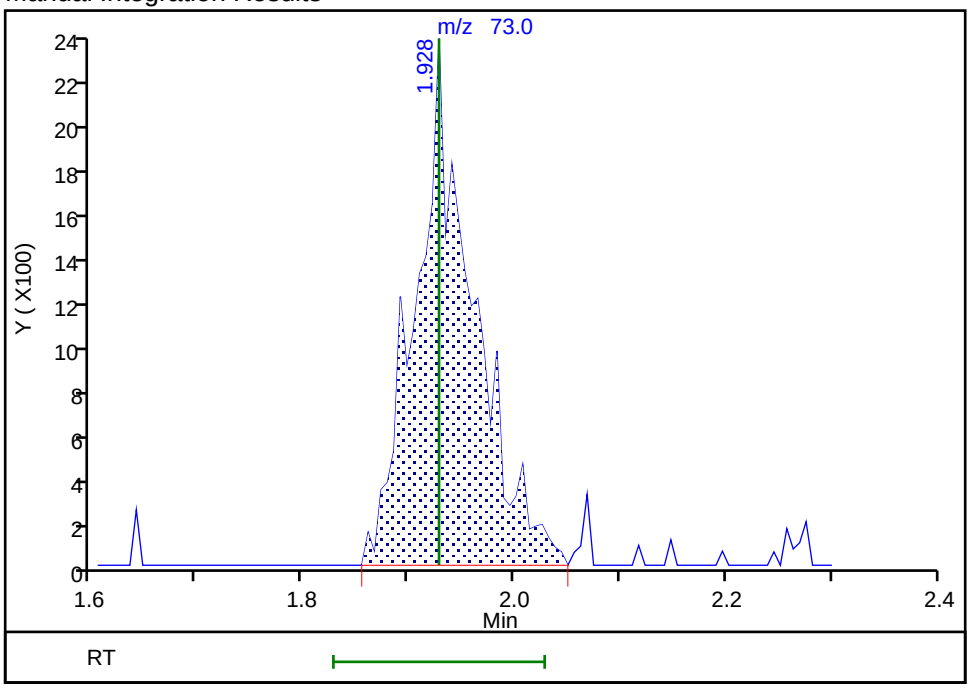
Processing Integration Results

RT: 1.93
Area: 7608
Amount: 0.920527
Amount Units: ug/l



Manual Integration Results

RT: 1.93
Area: 8890
Amount: 1.048535
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:50:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

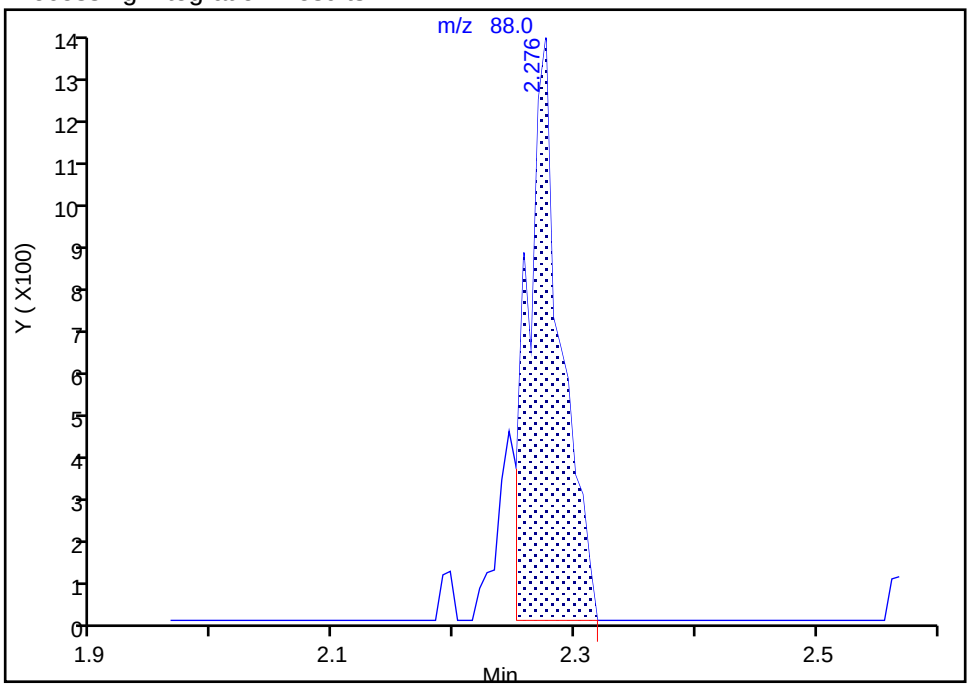
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

36 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

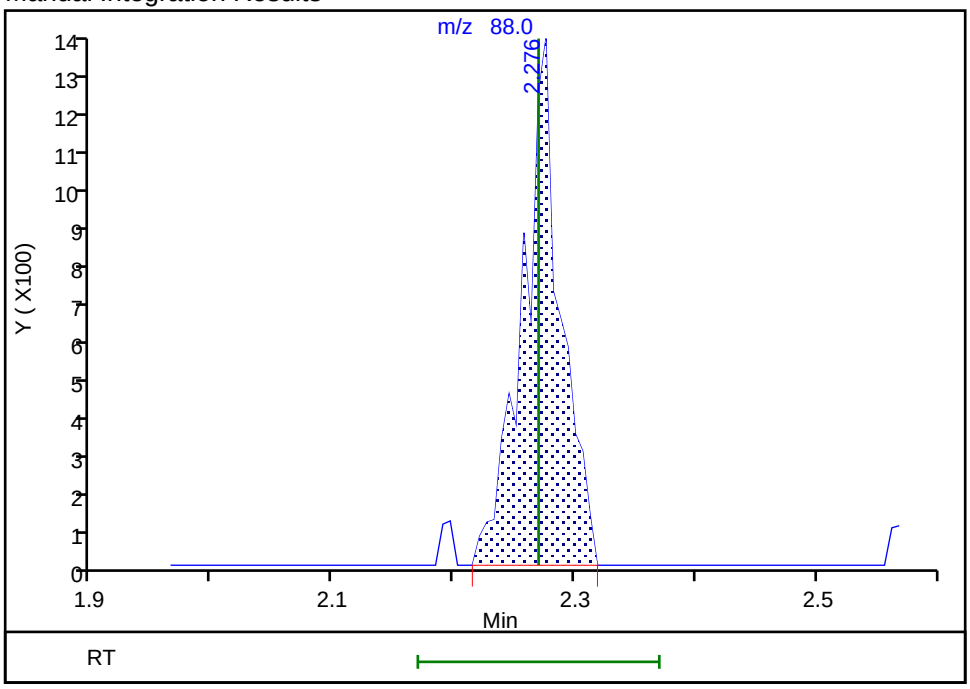
Processing Integration Results

RT: 2.28
Area: 2487
Amount: 0.938310
Amount Units: ug/l



Manual Integration Results

RT: 2.28
Area: 2864
Amount: 1.055525
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:50:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

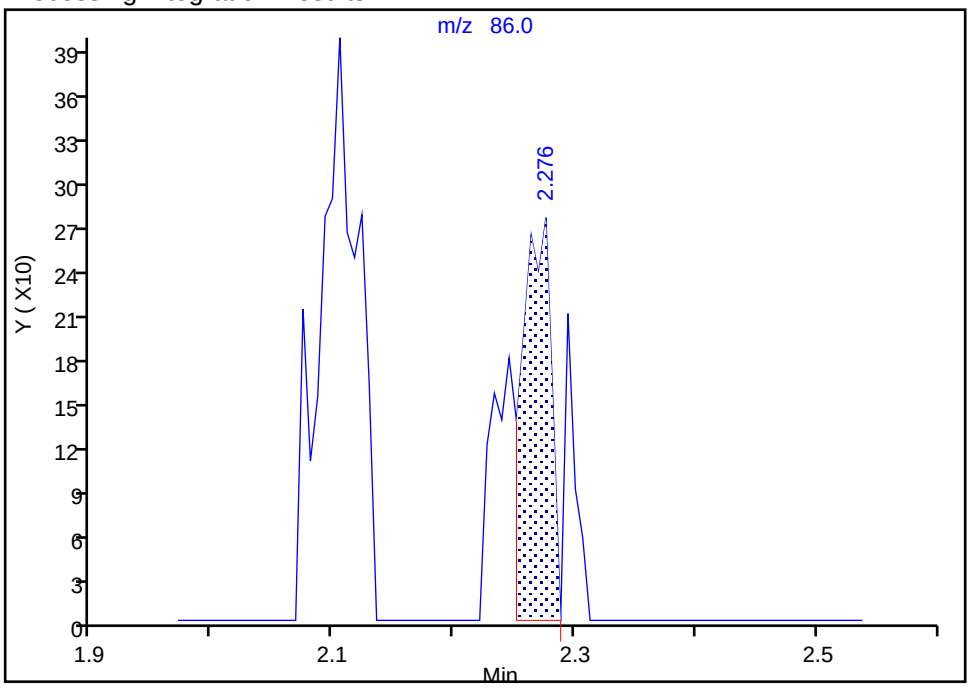
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

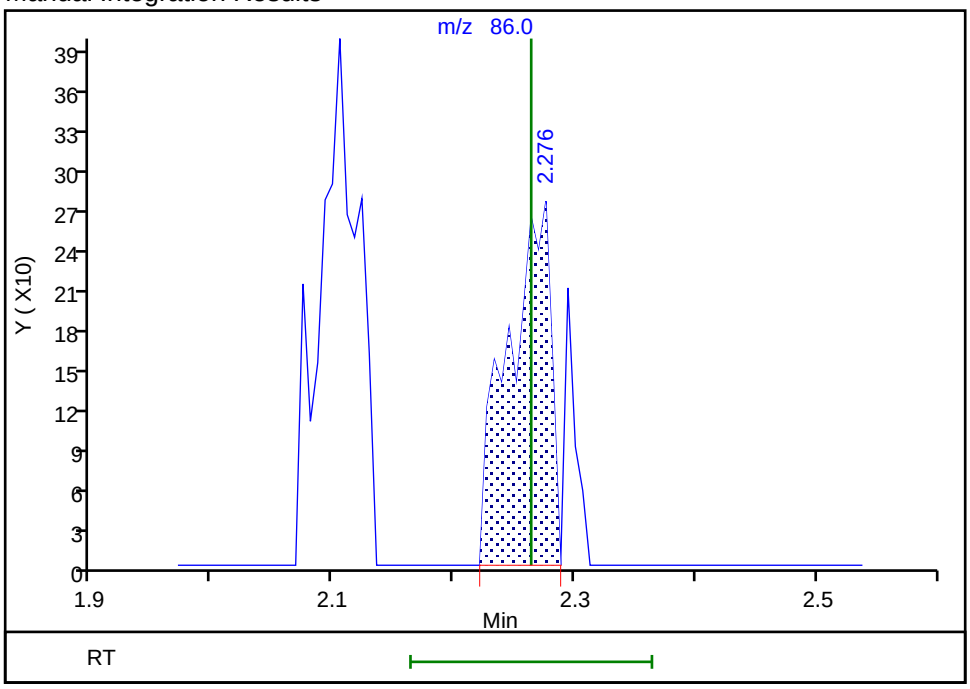
Processing Integration Results

RT: 2.28
Area: 454
Amount: 1.102944
Amount Units: ug/l



Manual Integration Results

RT: 2.28
Area: 669
Amount: 1.574471
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:50:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

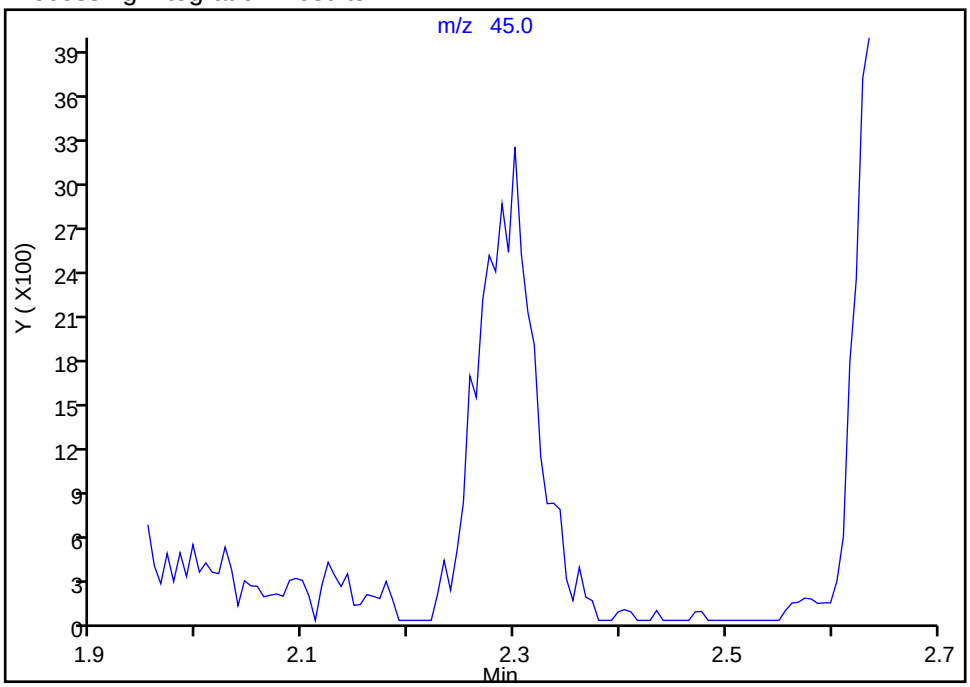
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

33 Isopropyl ether, CAS: 108-20-3

Signal: 1

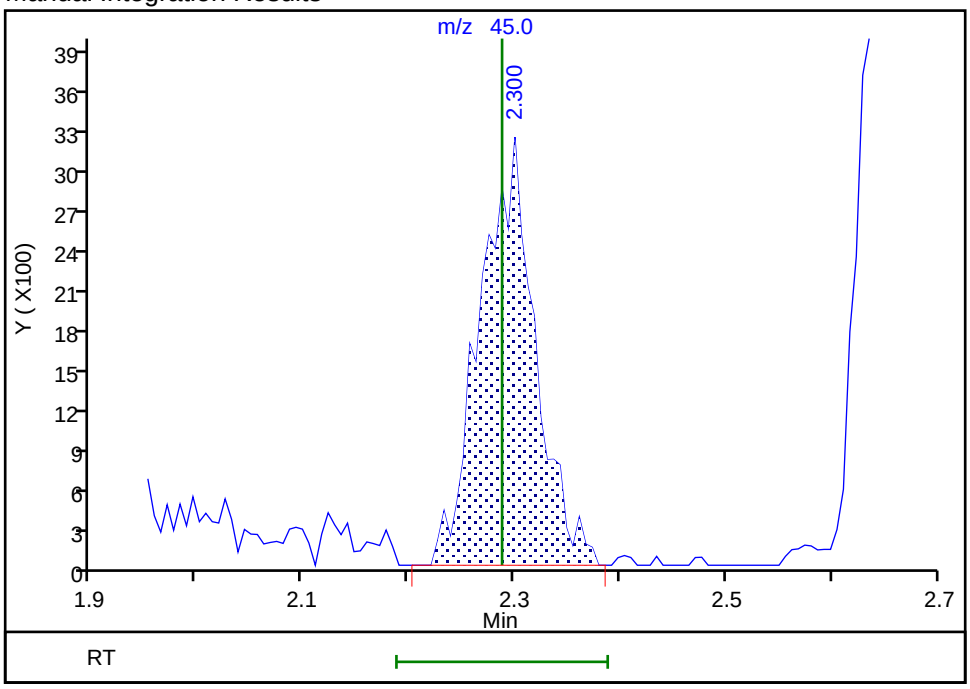
Not Detected
Expected RT: 2.29

Processing Integration Results



Manual Integration Results

RT: 2.30
Area: 11620
Amount: 1.007362
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:51:02
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

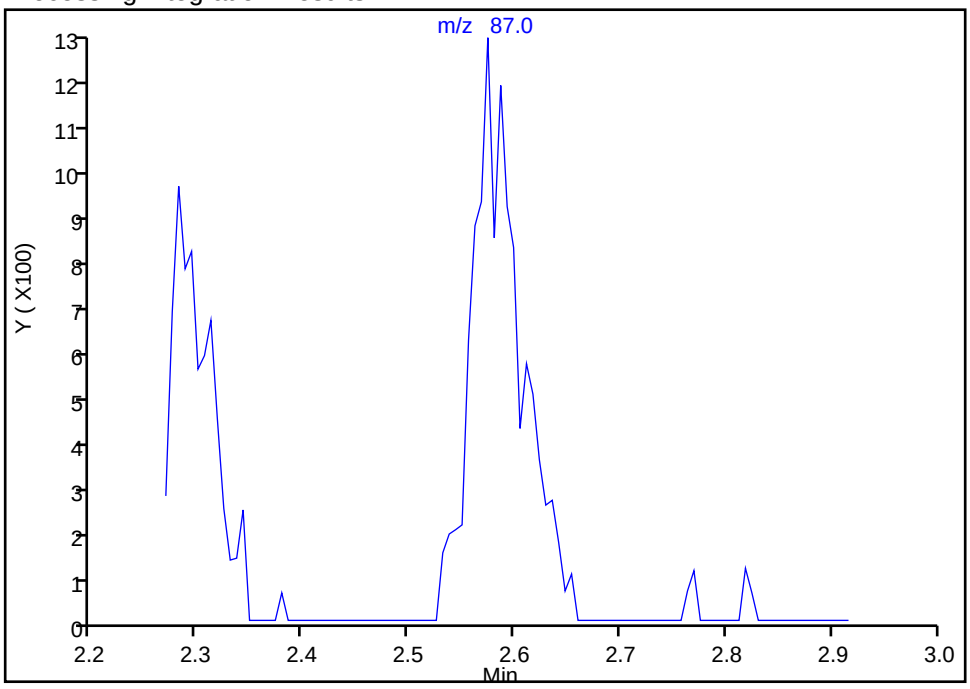
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

37 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

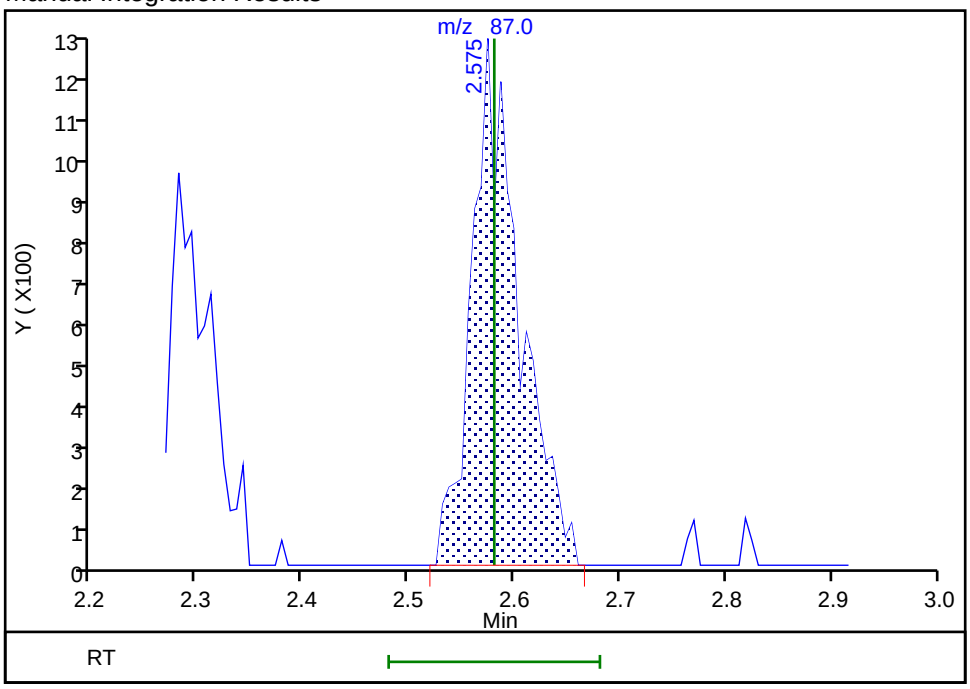
Not Detected
Expected RT: 2.58

Processing Integration Results



Manual Integration Results

RT: 2.57
Area: 3750
Amount: 1.019442
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:51:06
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

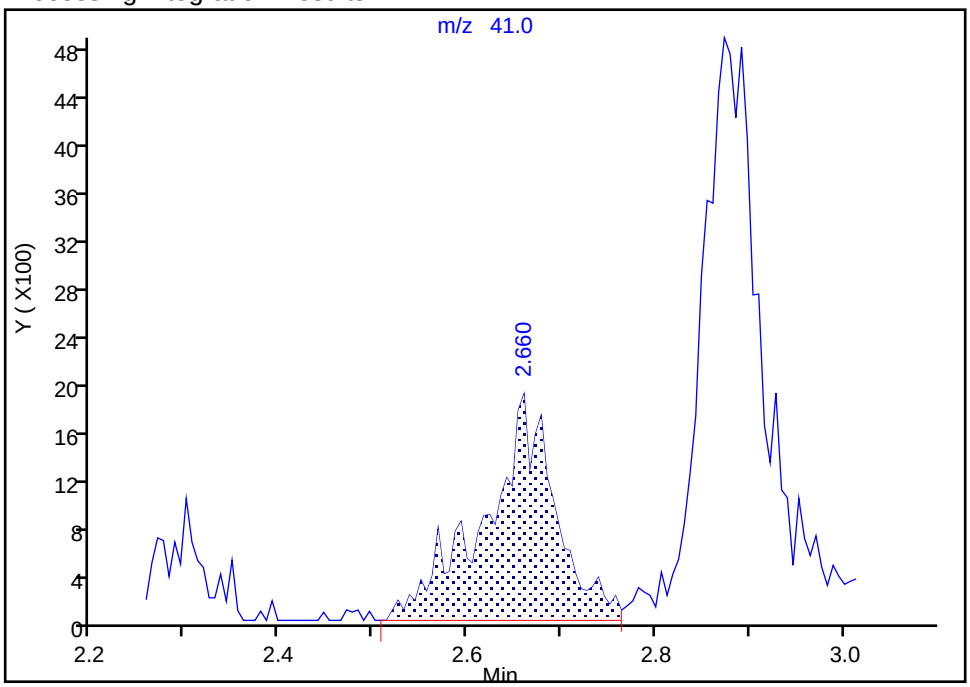
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

38 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

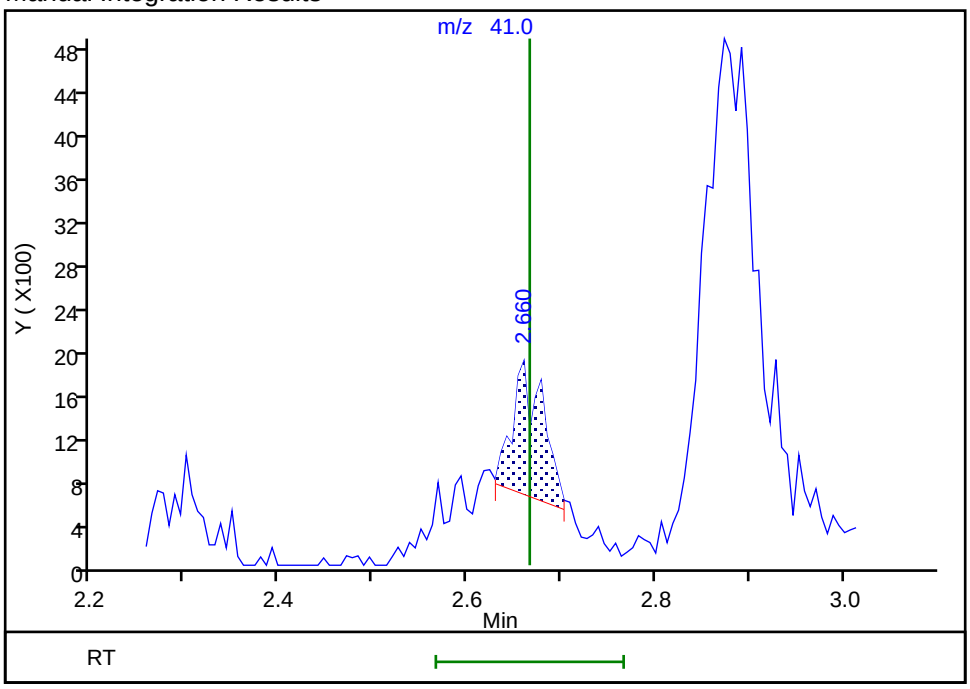
Processing Integration Results

RT: 2.66
Area: 9760
Amount: 3.169428
Amount Units: ug/l



Manual Integration Results

RT: 2.66
Area: 2780
Amount: 0.859344
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 09:06:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

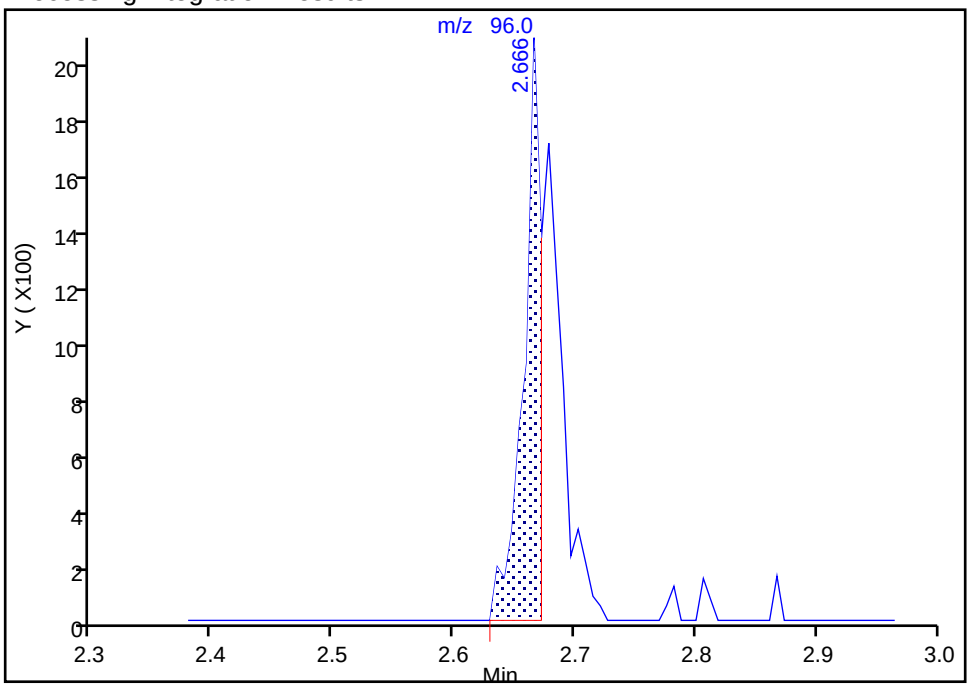
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

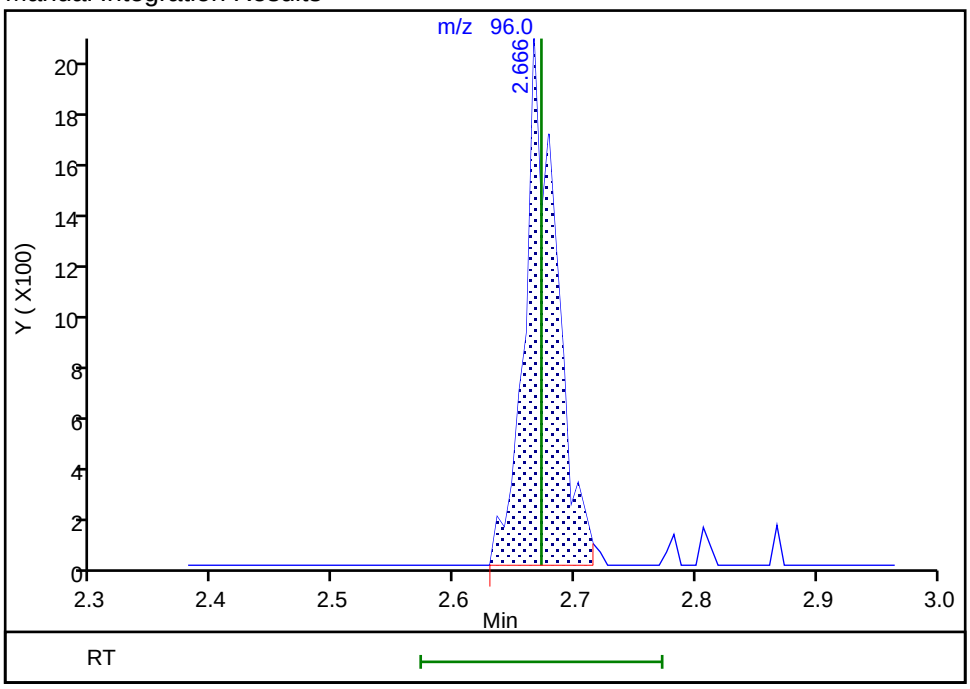
Processing Integration Results

RT: 2.67
Area: 2013
Amount: 0.628836
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 3647
Amount: 1.049954
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:51:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

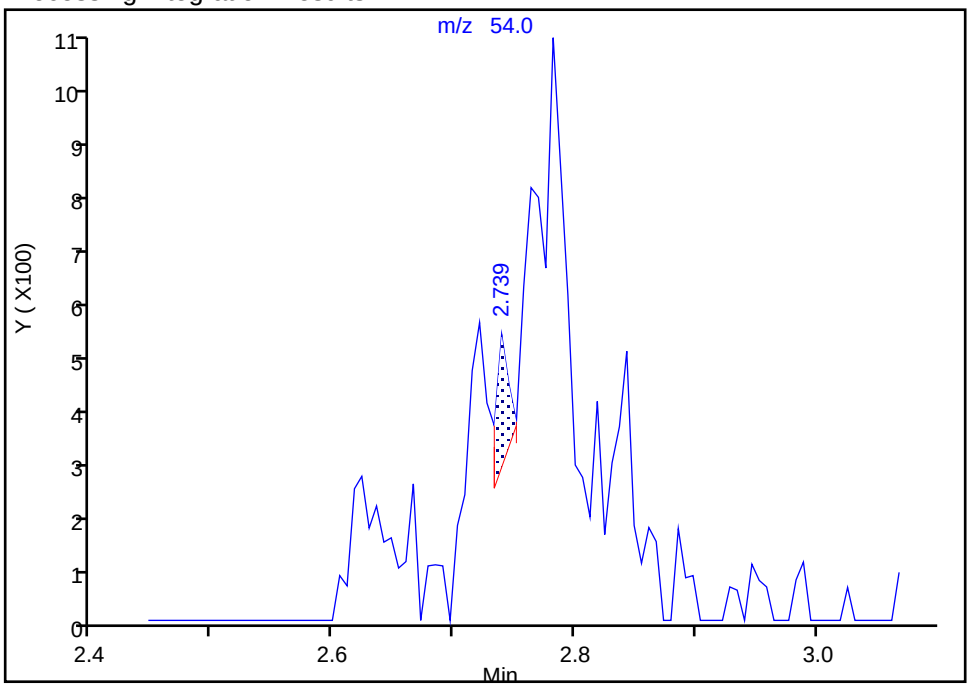
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

44 Propionitrile, CAS: 107-12-0

Signal: 1

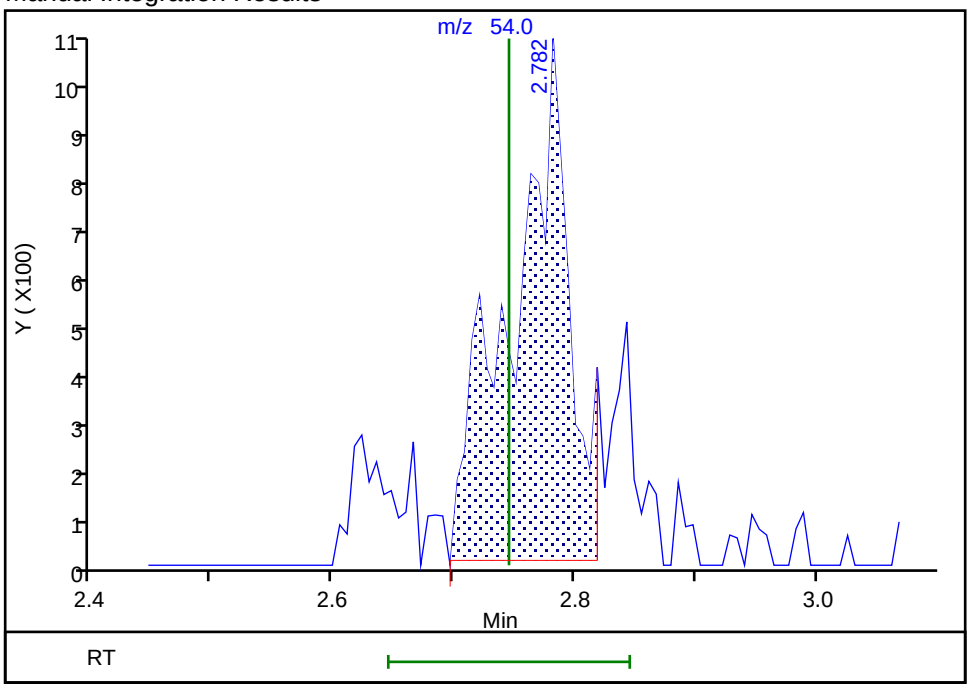
Processing Integration Results

RT: 2.74
Area: 177
Amount: 0.452773
Amount Units: ug/l



Manual Integration Results

RT: 2.78
Area: 3602
Amount: 9.554097
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:51:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

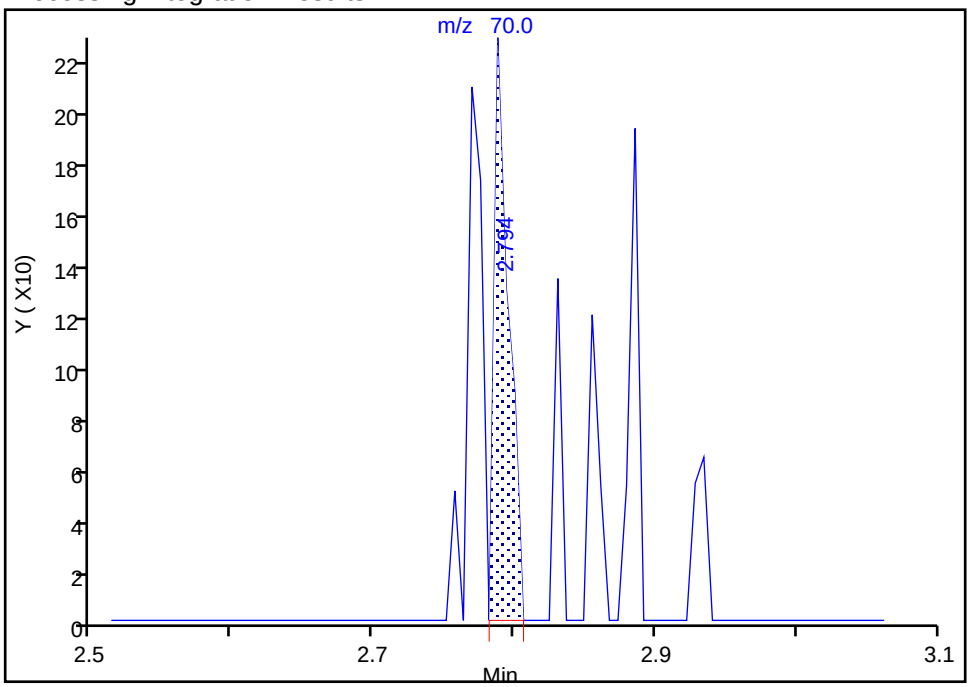
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

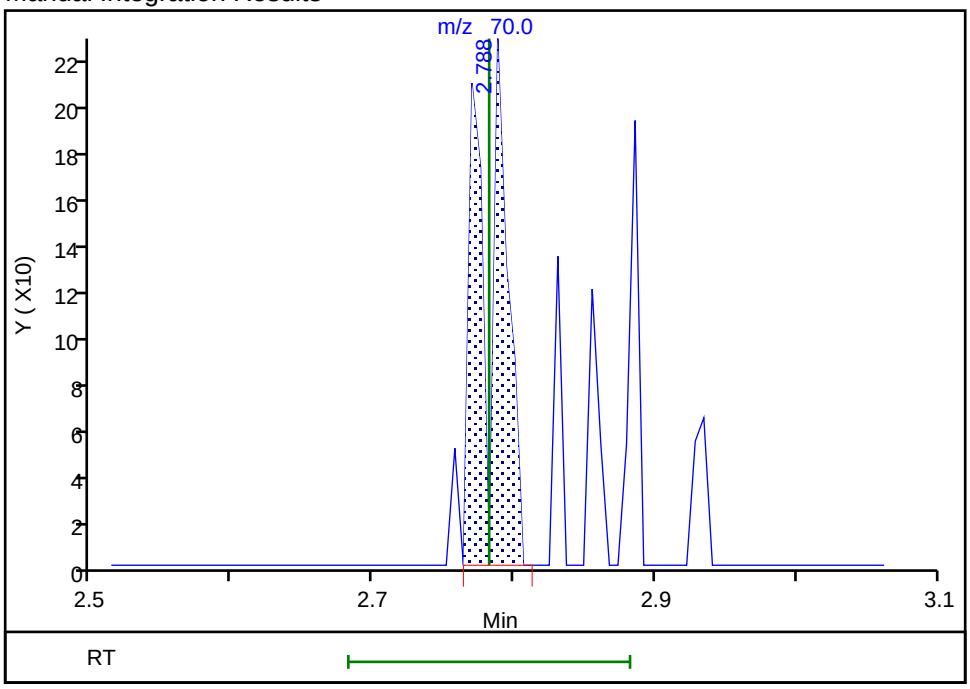
Processing Integration Results

RT: 2.79
Area: 161
Amount: 0.758955
Amount Units: ug/l



Manual Integration Results

RT: 2.79
Area: 299
Amount: 1.405014
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:52:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

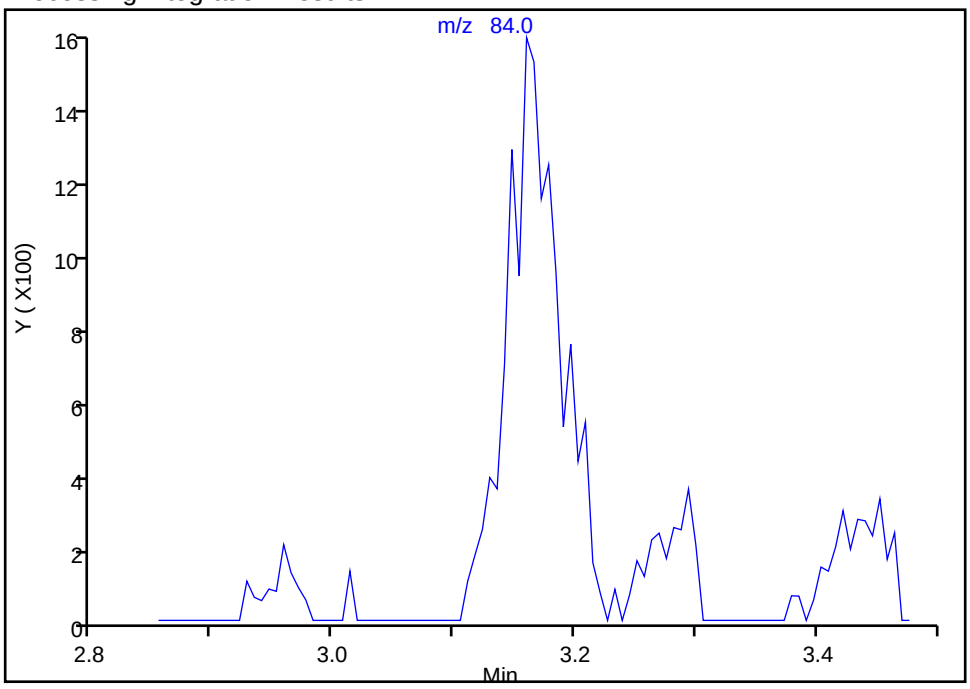
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Cyclohexane, CAS: 110-82-7

Signal: 1

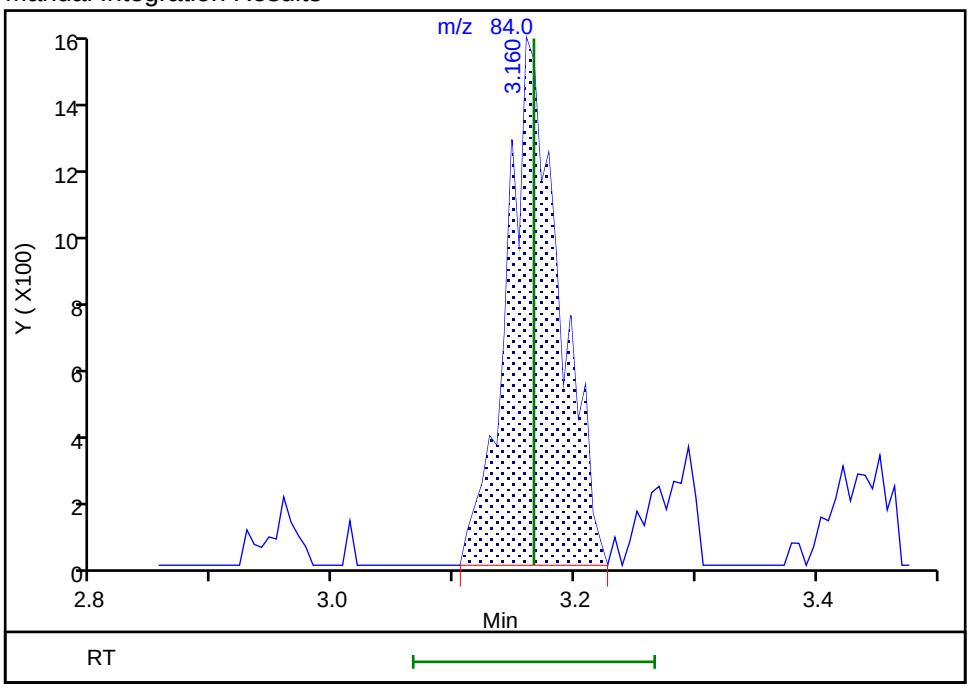
Not Detected
Expected RT: 3.17

Processing Integration Results



Manual Integration Results

RT: 3.16
Area: 4729
Amount: 1.043007
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:52:18
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

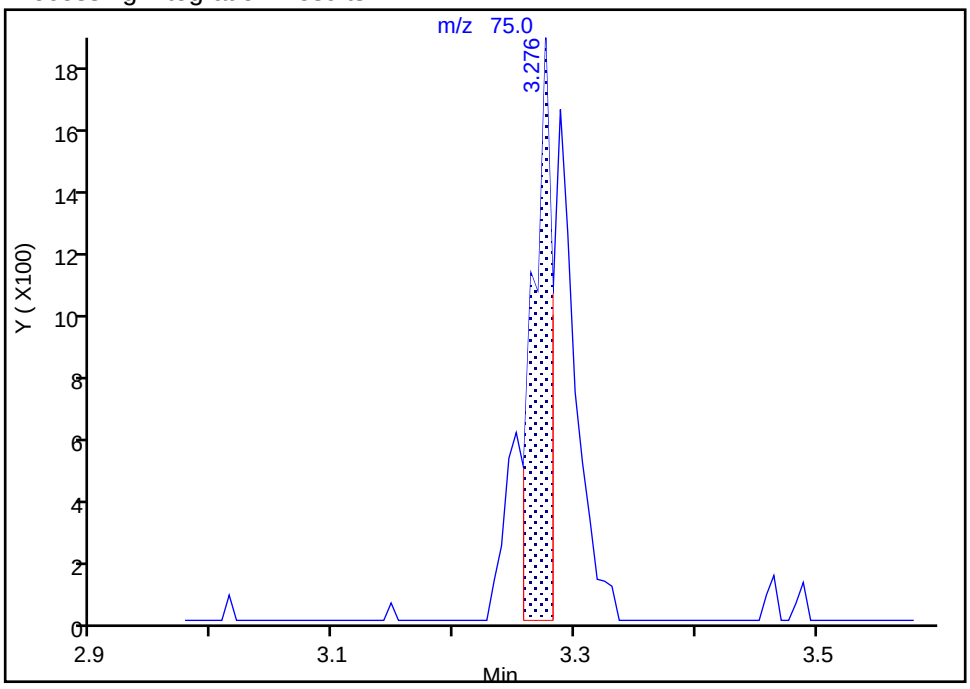
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

53 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

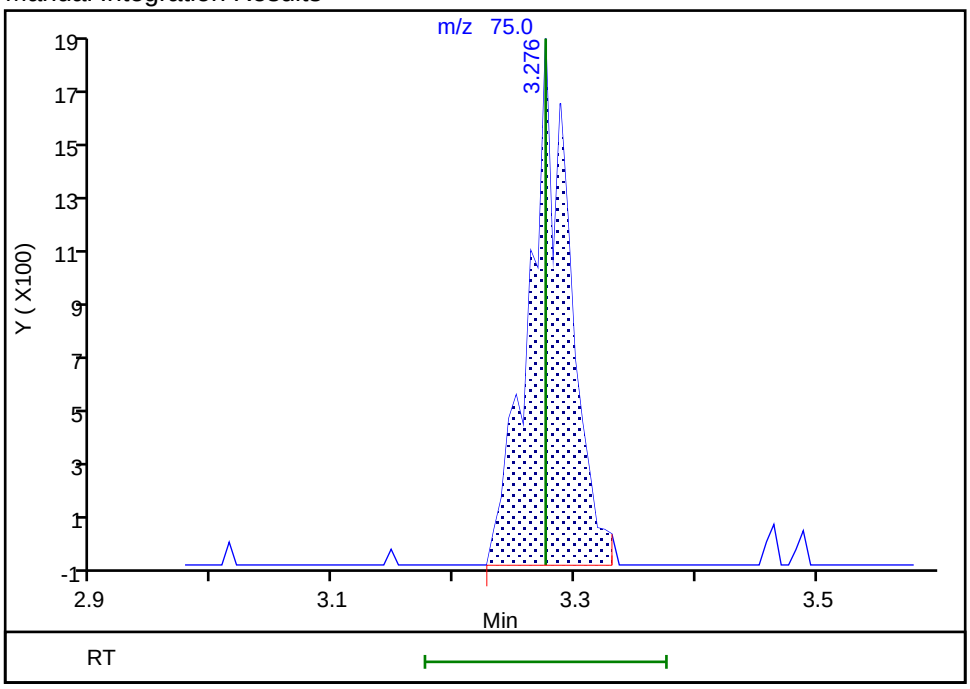
Processing Integration Results

RT: 3.28
Area: 2009
Amount: 0.588542
Amount Units: ug/l



Manual Integration Results

RT: 3.28
Area: 4289
Amount: 1.014738
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:52:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

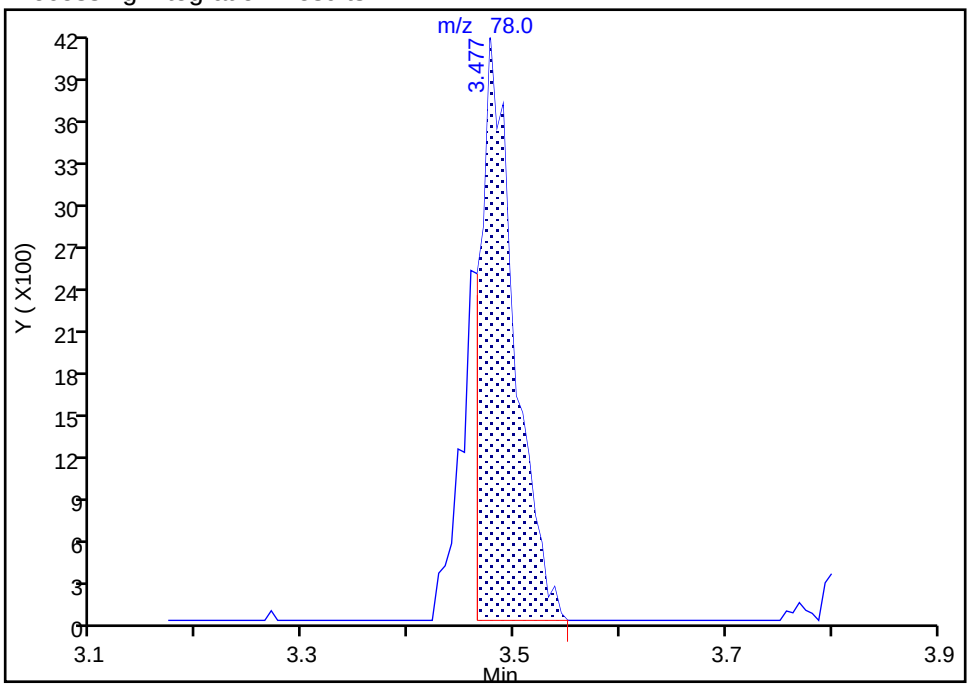
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

55 Benzene, CAS: 71-43-2

Signal: 1

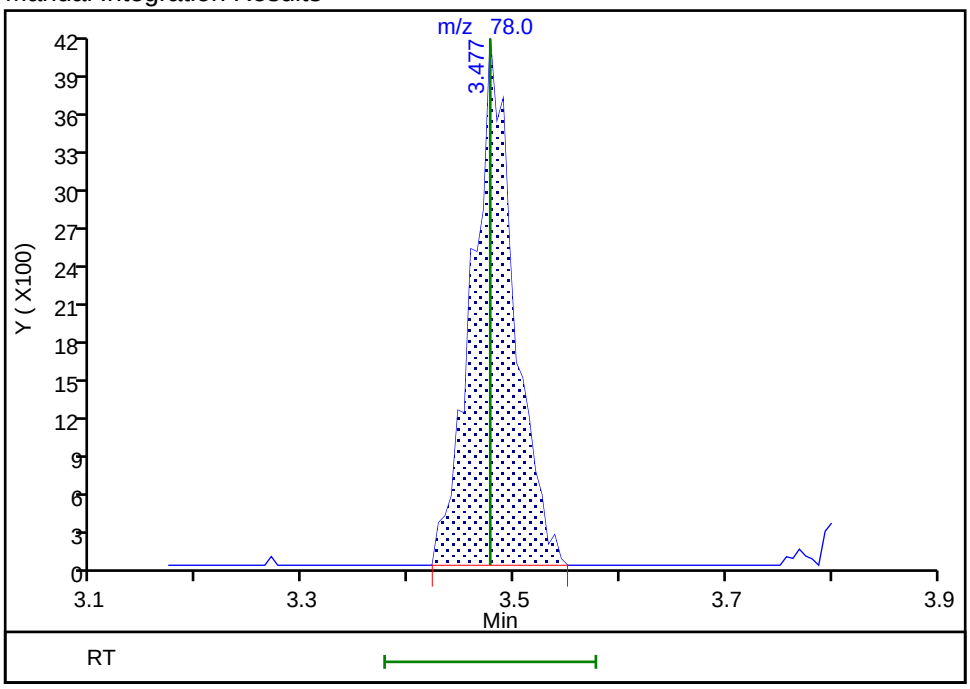
Processing Integration Results

RT: 3.48
Area: 9200
Amount: 0.844682
Amount Units: ug/l



Manual Integration Results

RT: 3.48
Area: 11466
Amount: 1.017451
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:52:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

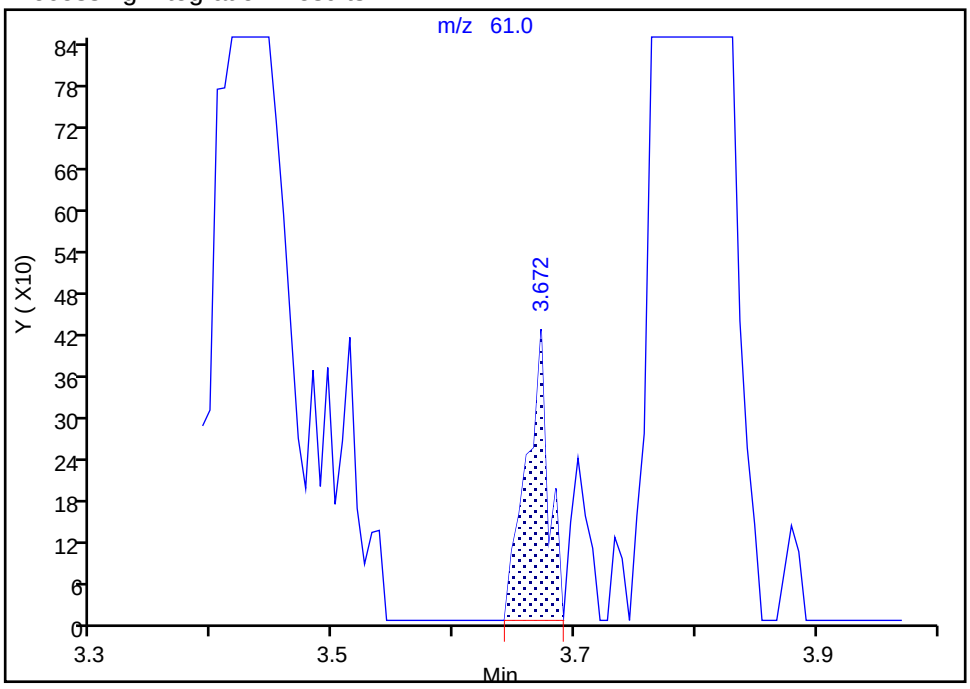
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

61 Isopropyl acetate, CAS: 108-21-4

Signal: 1

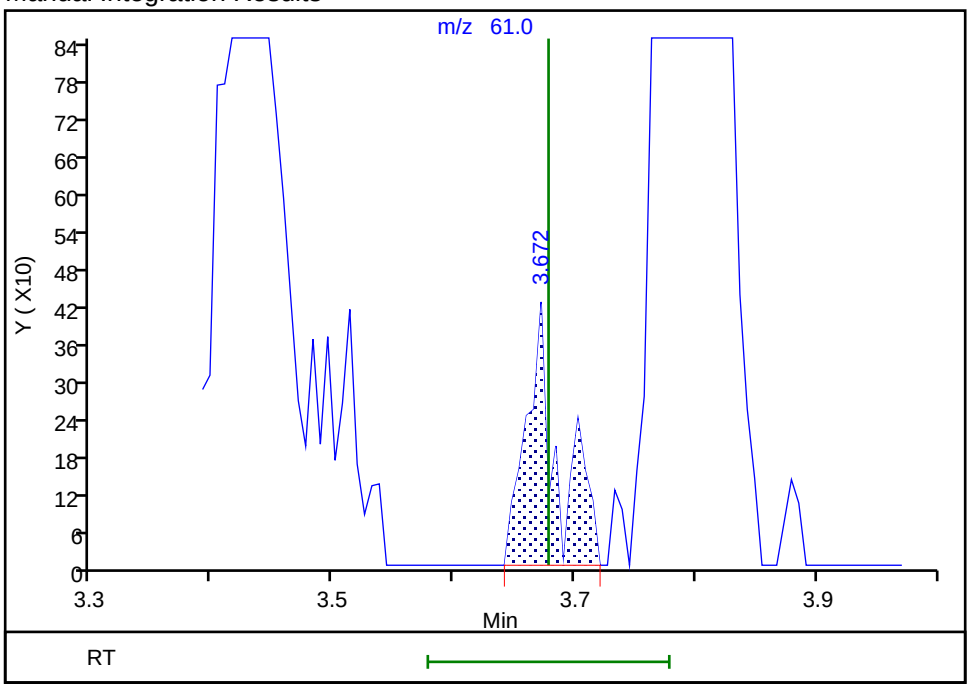
Processing Integration Results

RT: 3.67
Area: 537
Amount: 0.656649
Amount Units: ug/l



Manual Integration Results

RT: 3.67
Area: 770
Amount: 0.790513
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 09:07:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

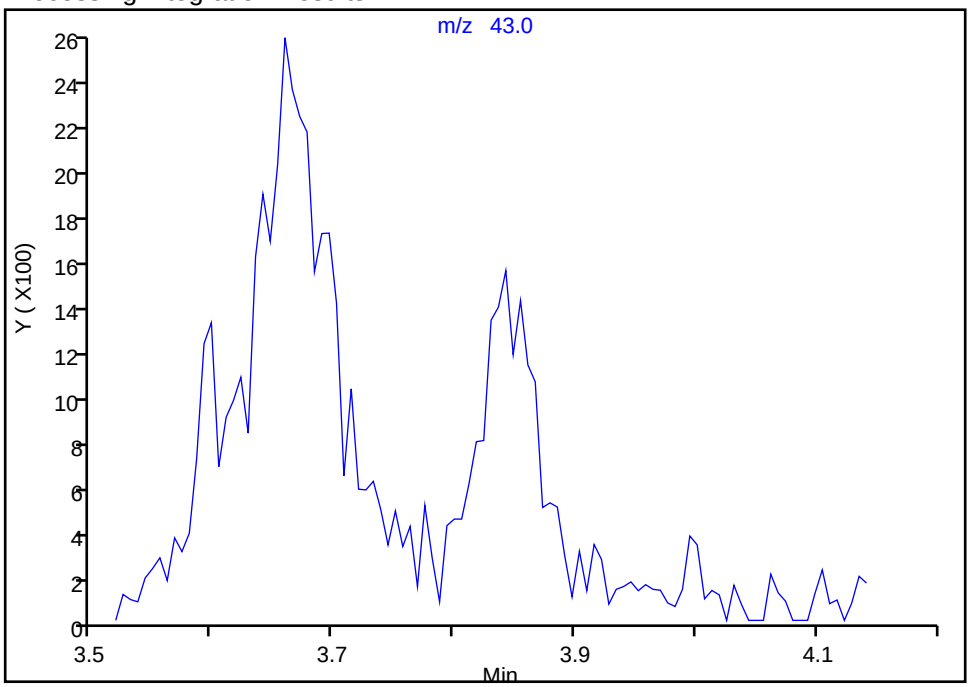
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

62 n-Heptane, CAS: 142-82-5

Signal: 1

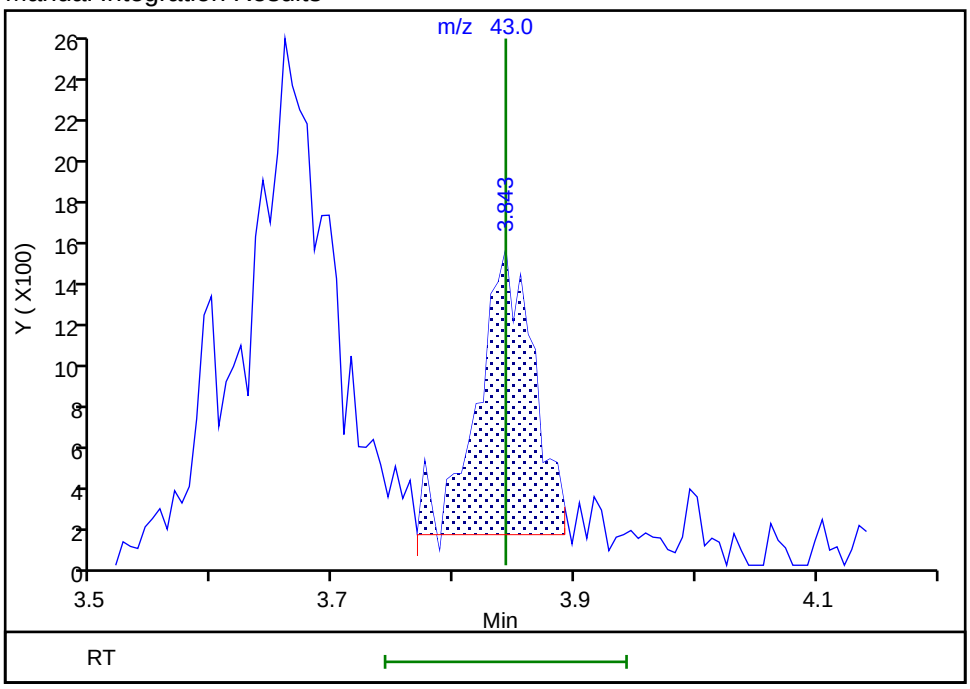
Not Detected
Expected RT: 3.84

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 4361
Amount: 1.027856
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:52:54
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

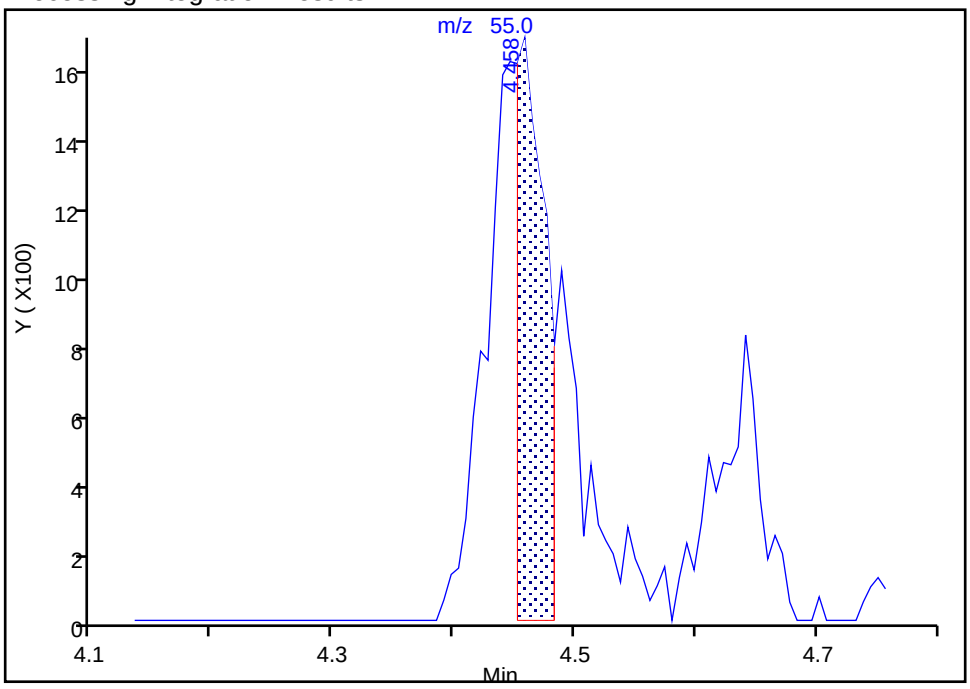
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 Ethyl acrylate, CAS: 140-88-5

Signal: 1

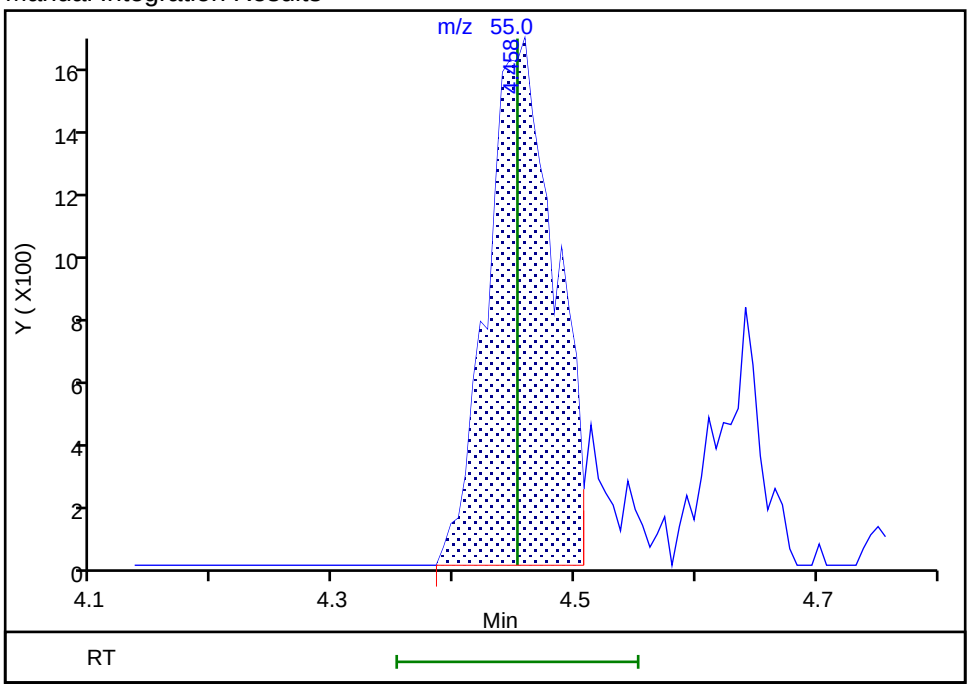
Processing Integration Results

RT: 4.46
Area: 2884
Amount: 0.534156
Amount Units: ug/l



Manual Integration Results

RT: 4.46
Area: 6452
Amount: 0.911311
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:53:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

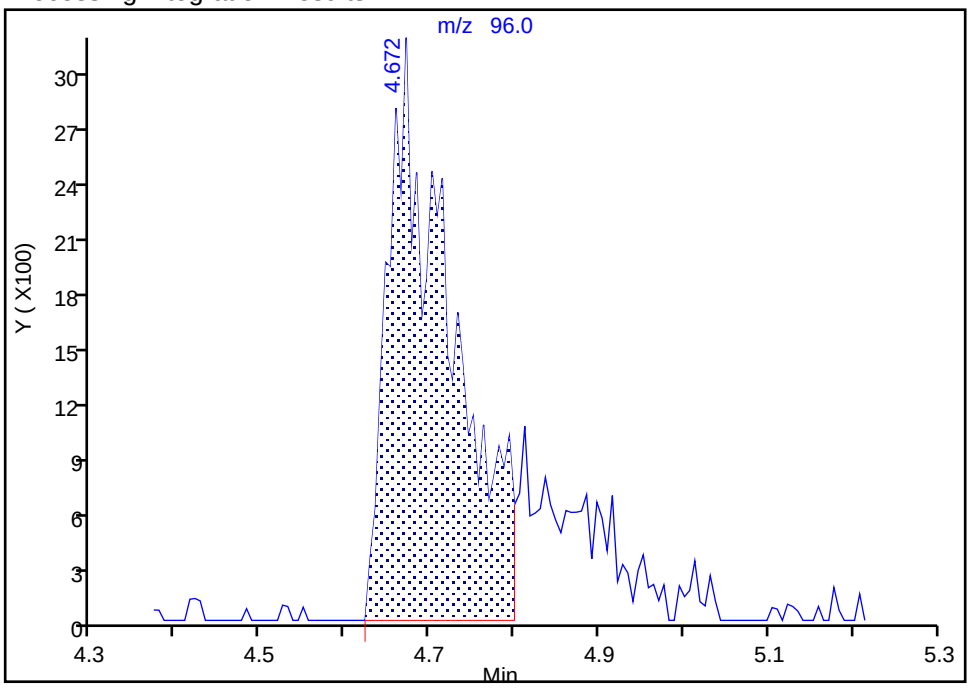
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 70 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

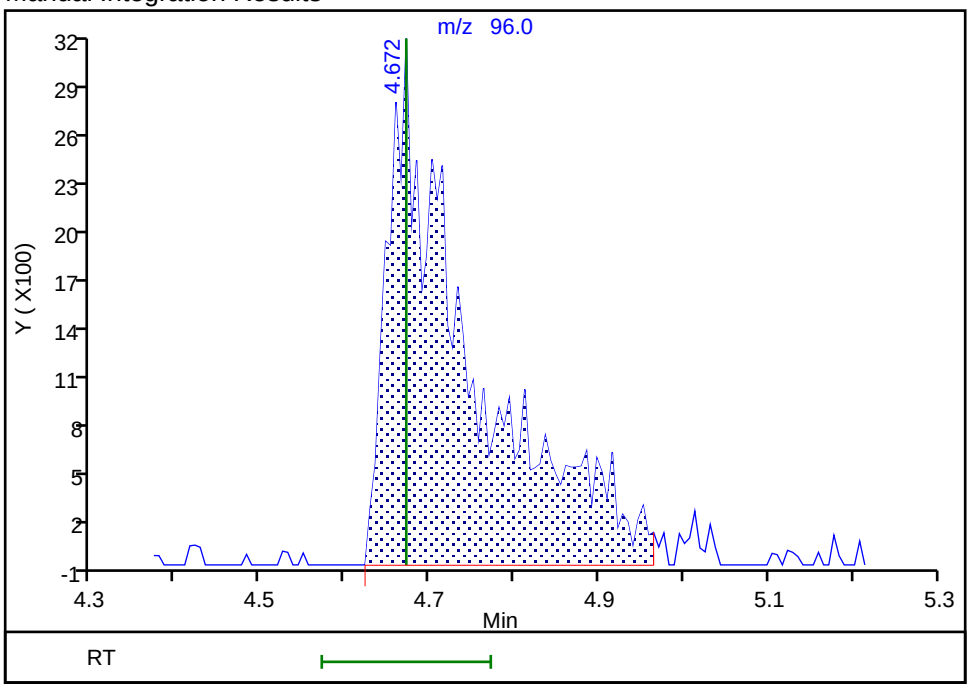
Processing Integration Results

RT: 4.67
Area: 15878
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.67
Area: 20797
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:48:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

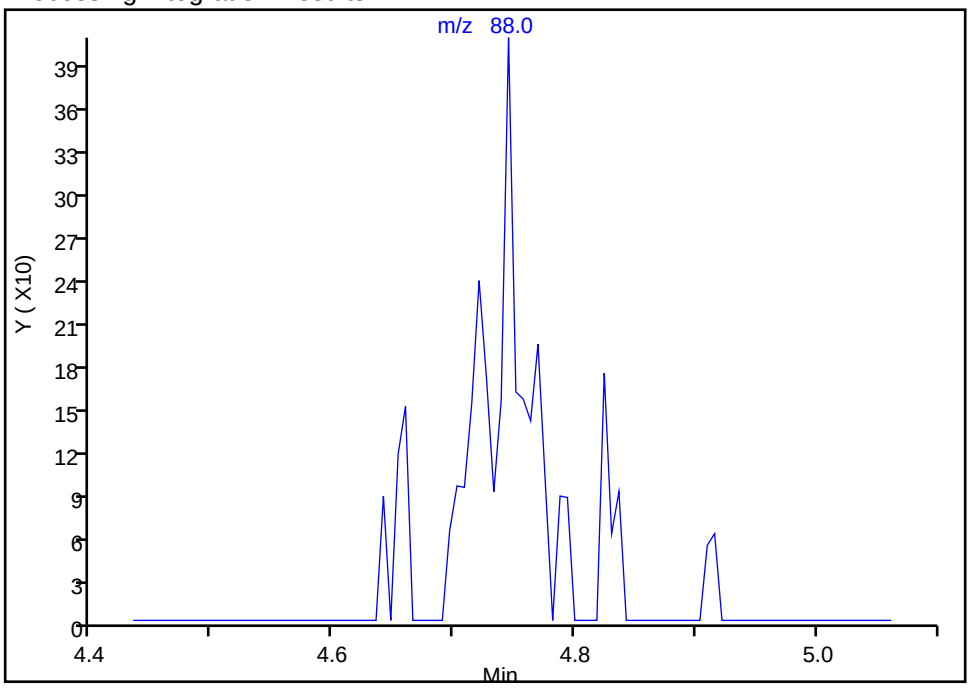
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

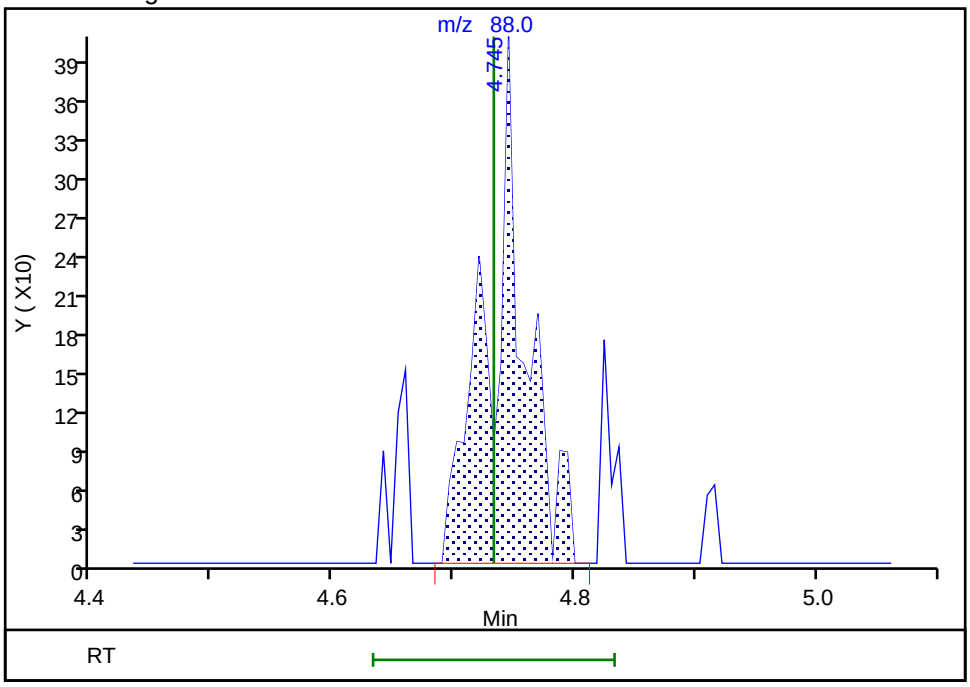
Not Detected
Expected RT: 4.73

Processing Integration Results



Manual Integration Results

RT: 4.74
Area: 860
Amount: 41.108611
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:53:16
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

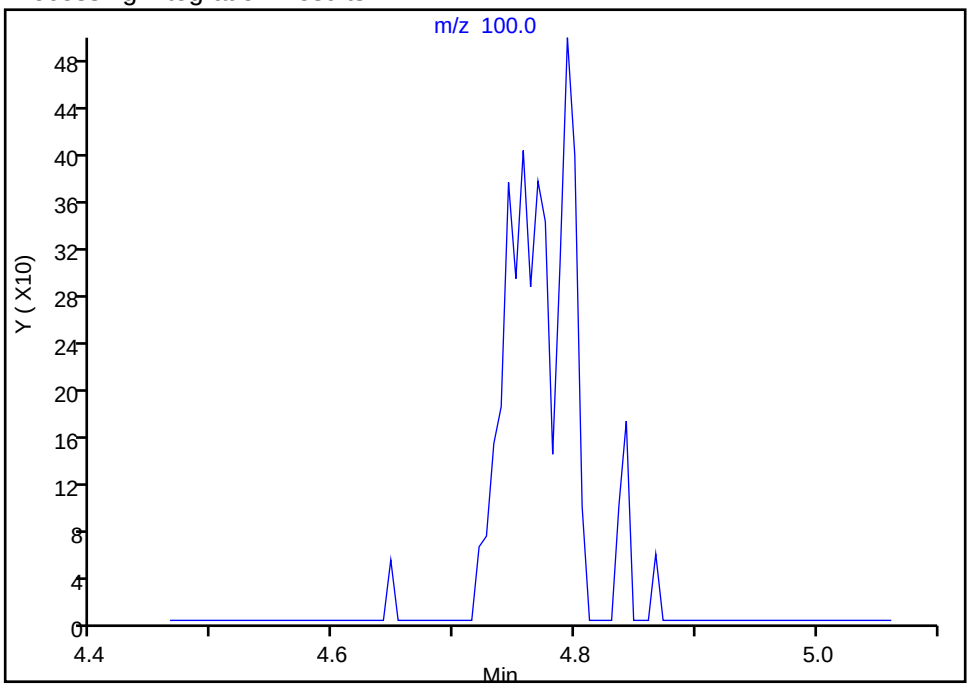
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

71 Methyl methacrylate, CAS: 80-62-6

Signal: 1

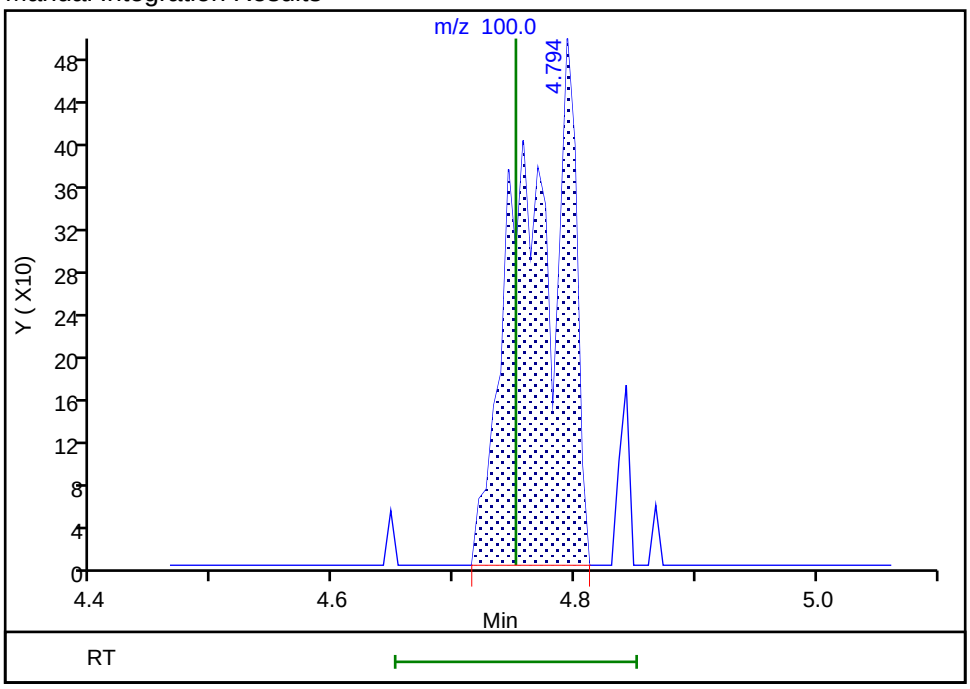
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 1434
Amount: 2.133845
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:53:23
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

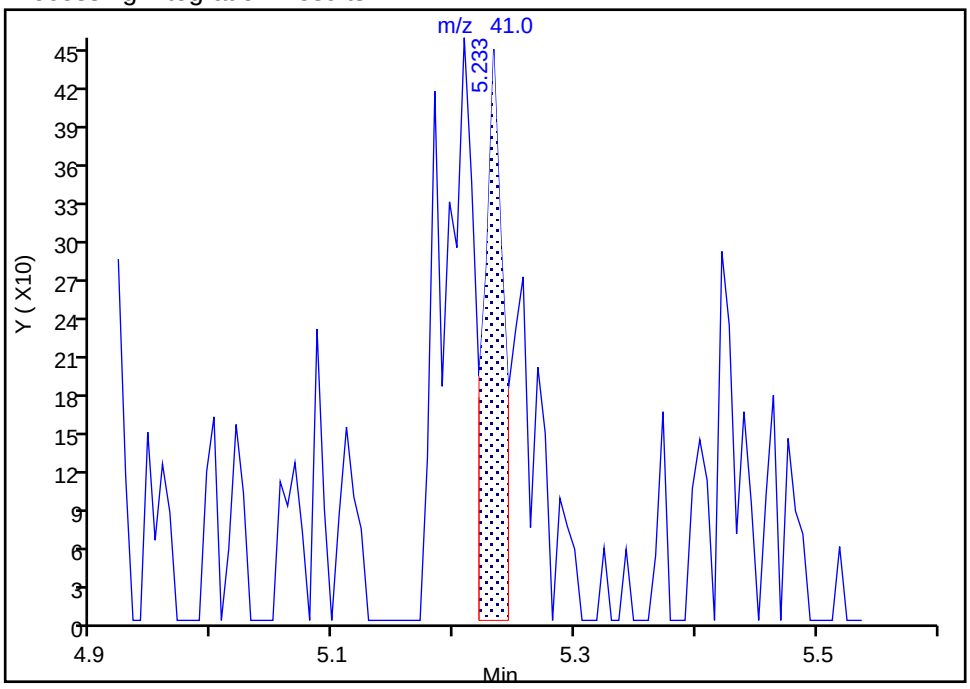
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

76 2-Nitropropane, CAS: 79-46-9

Signal: 1

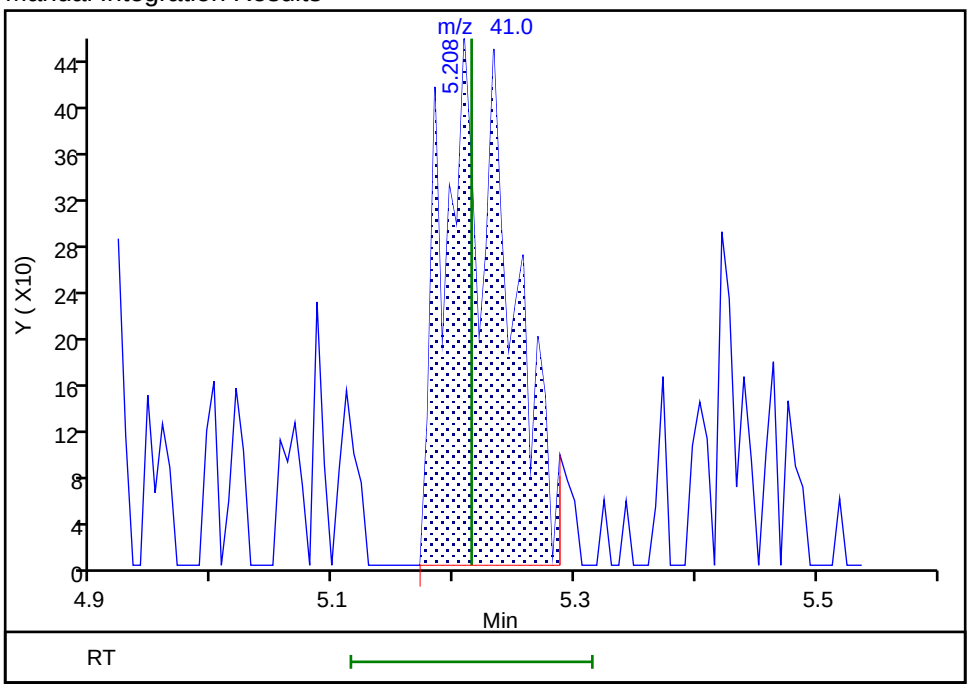
Processing Integration Results

RT: 5.23
Area: 511
Amount: 0.664688
Amount Units: ug/l



Manual Integration Results

RT: 5.21
Area: 1670
Amount: 2.278935
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:53:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

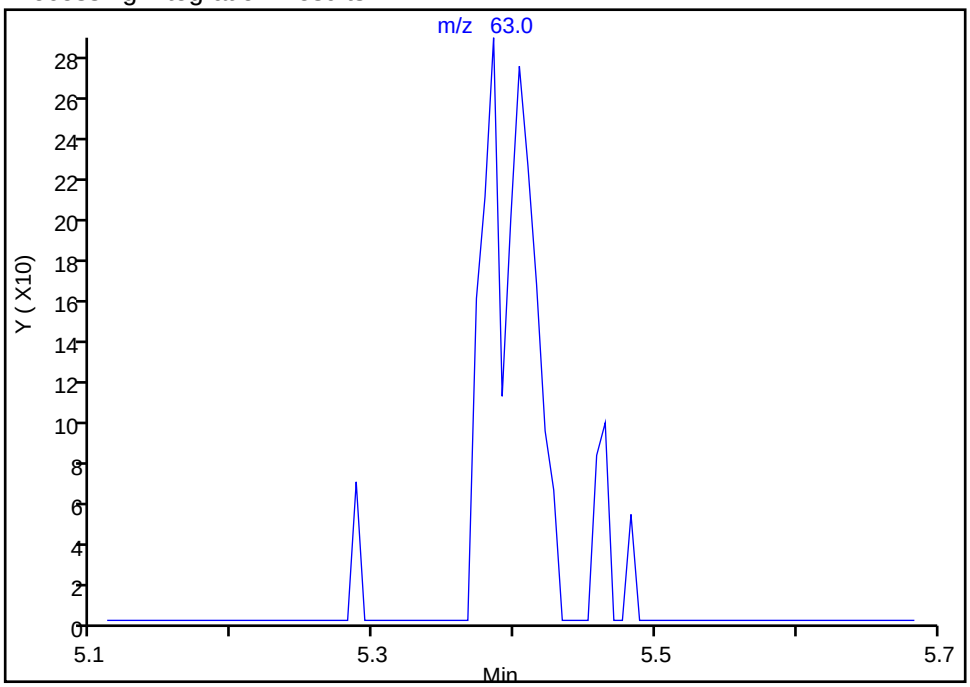
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

77 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

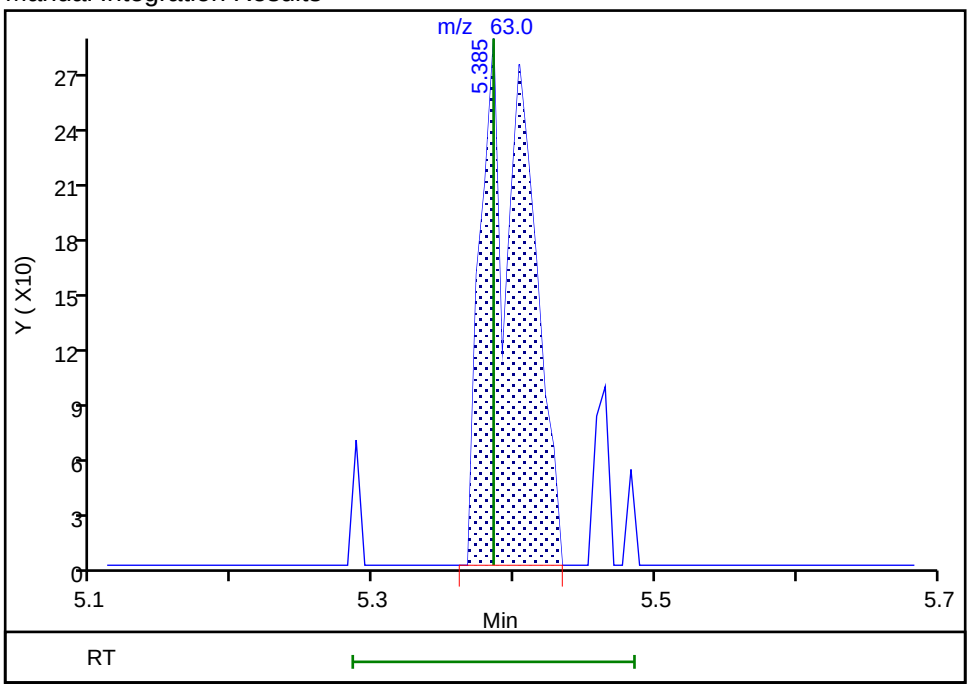
Not Detected
Expected RT: 5.39

Processing Integration Results



Manual Integration Results

RT: 5.39
Area: 650
Amount: 0.859499
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:53:37
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

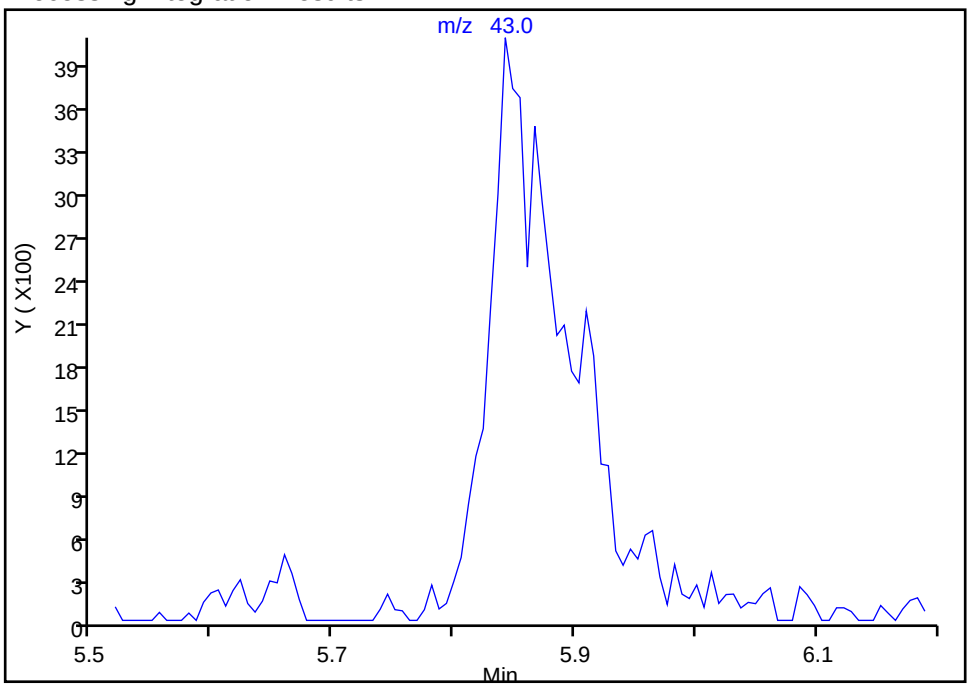
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

80 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

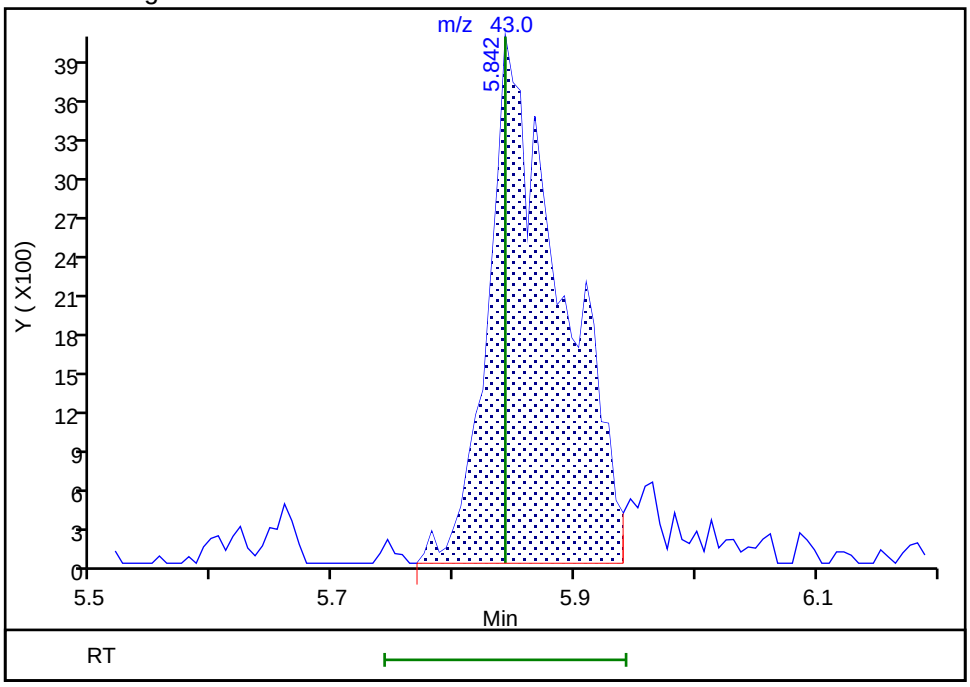
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 17217
Amount: 5.434805
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:53:59
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

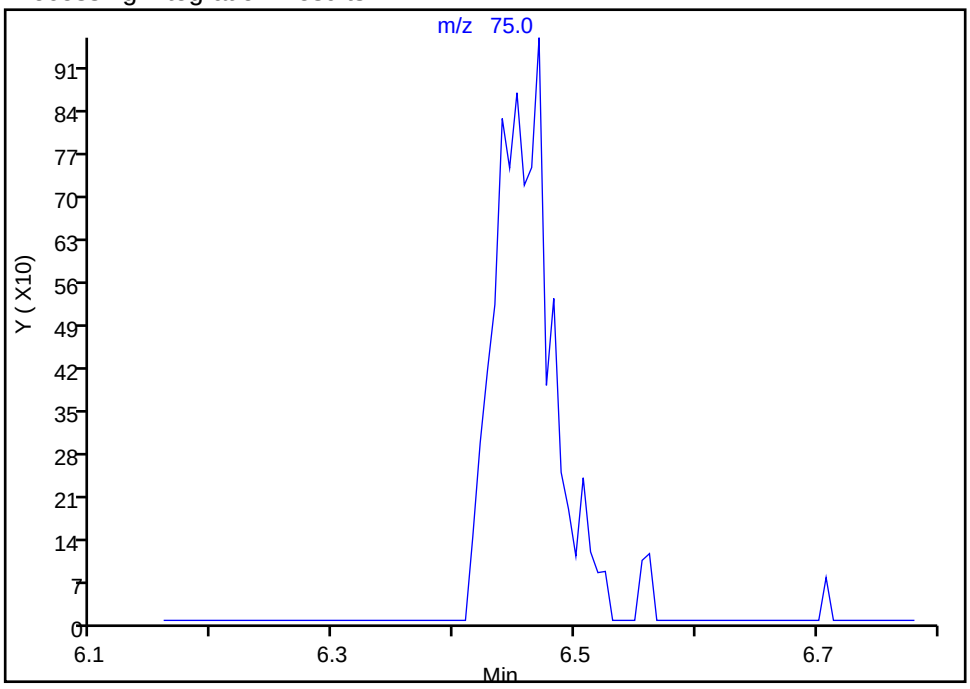
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

83 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

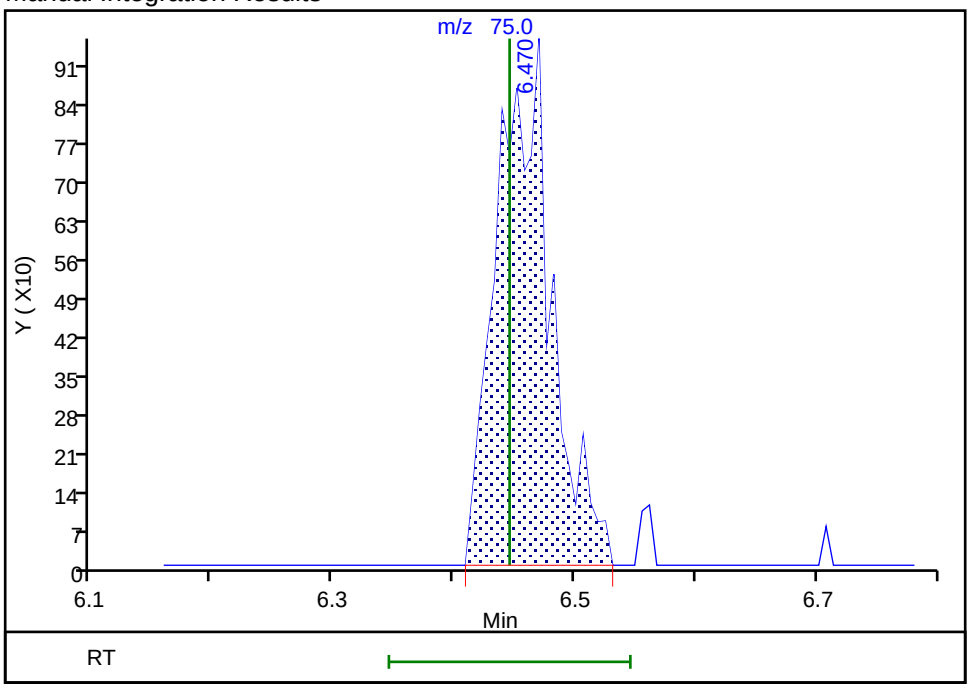
Not Detected
Expected RT: 6.45

Processing Integration Results



Manual Integration Results

RT: 6.47
Area: 2970
Amount: 0.840028
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:54:06
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

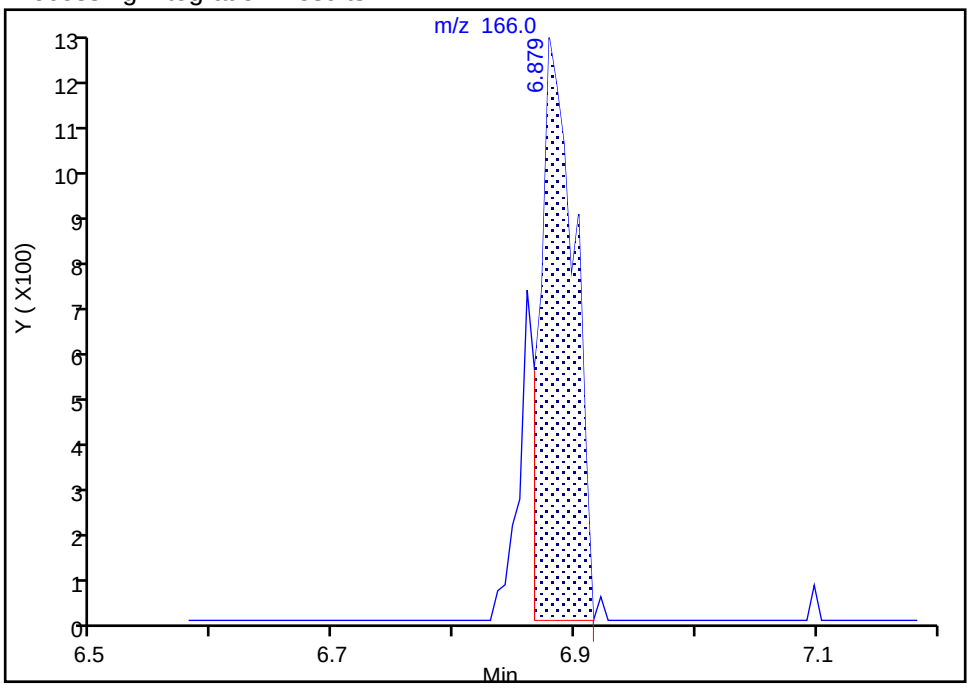
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

85 Tetrachloroethene, CAS: 127-18-4

Signal: 1

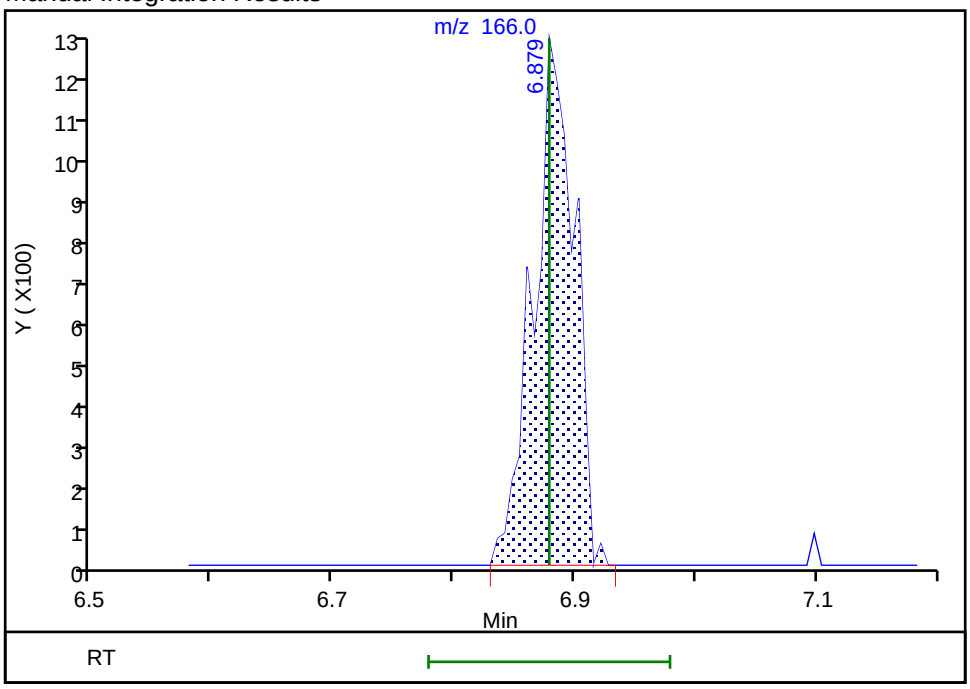
Processing Integration Results

RT: 6.88
Area: 2444
Amount: 0.830117
Amount Units: ug/l



Manual Integration Results

RT: 6.88
Area: 2946
Amount: 0.972974
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:54:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

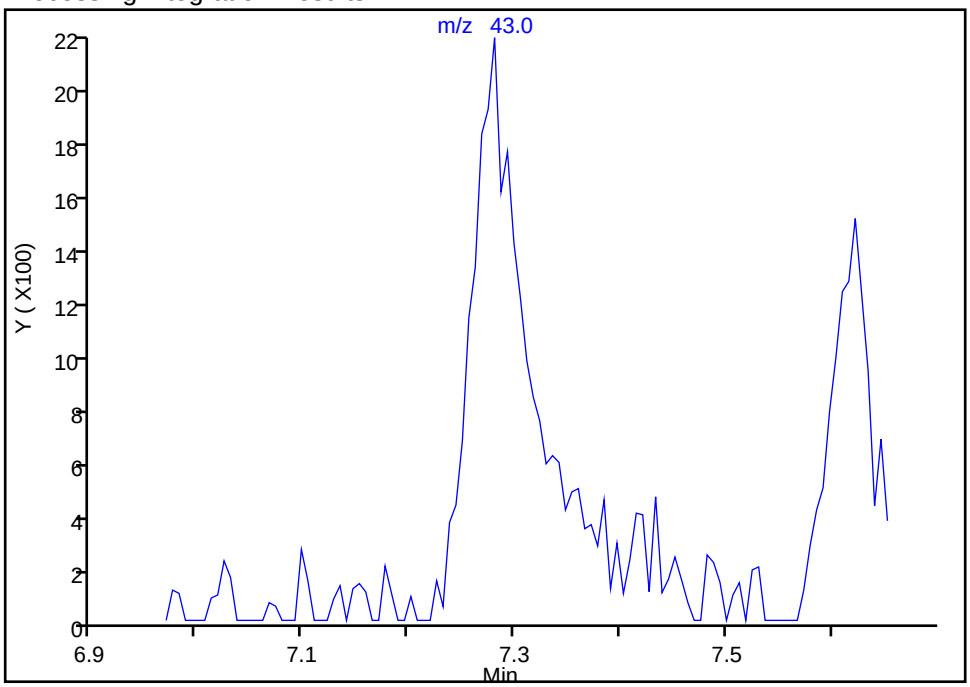
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

88 2-Hexanone, CAS: 591-78-6

Signal: 1

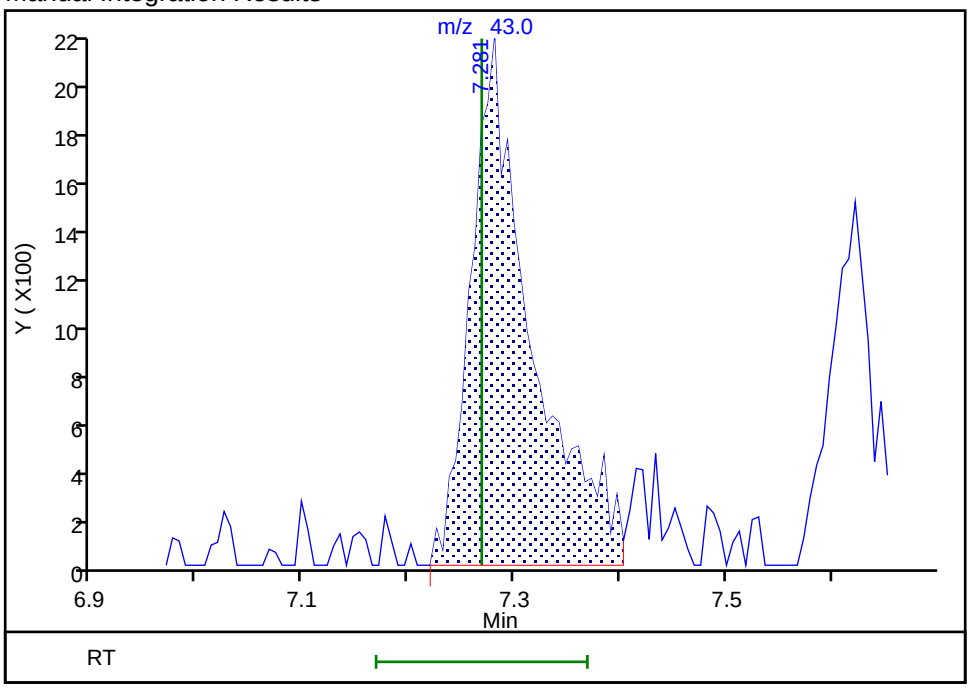
Not Detected
Expected RT: 7.27

Processing Integration Results



Manual Integration Results

RT: 7.28
Area: 8491
Amount: 4.636853
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:54:20
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

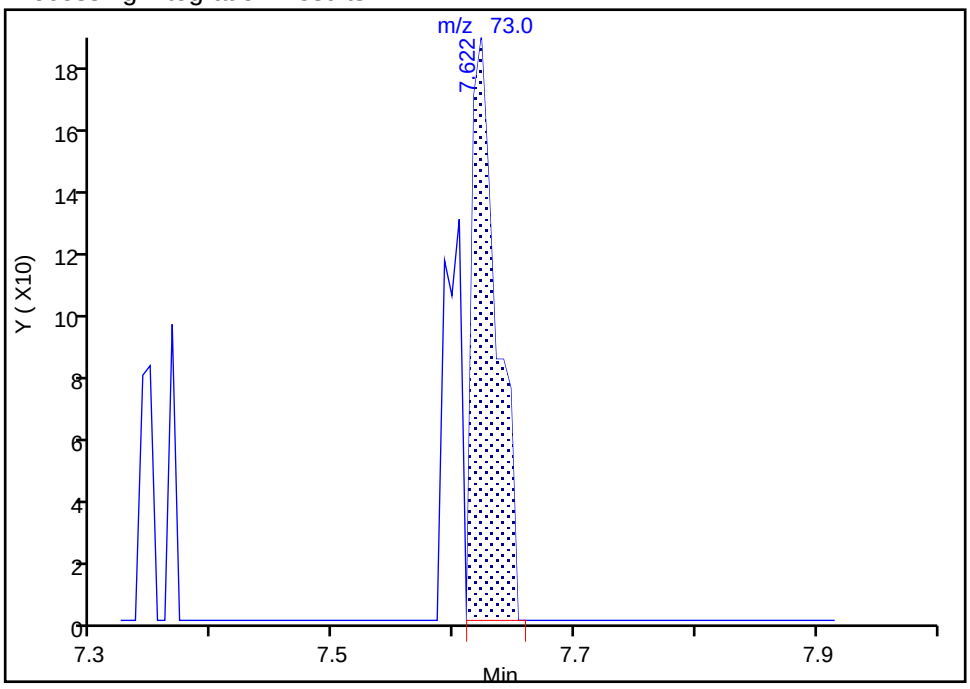
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

90 n-Butyl acetate, CAS: 123-86-4

Signal: 1

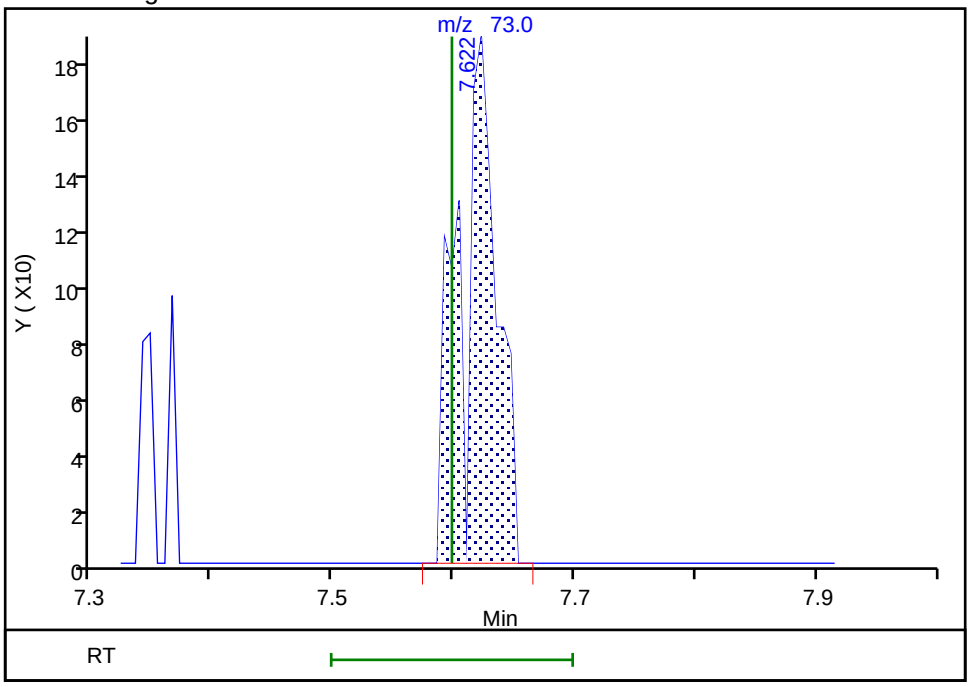
Processing Integration Results

RT: 7.62
Area: 264
Amount: 0.467942
Amount Units: ug/l



Manual Integration Results

RT: 7.62
Area: 389
Amount: 0.708086
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:54:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

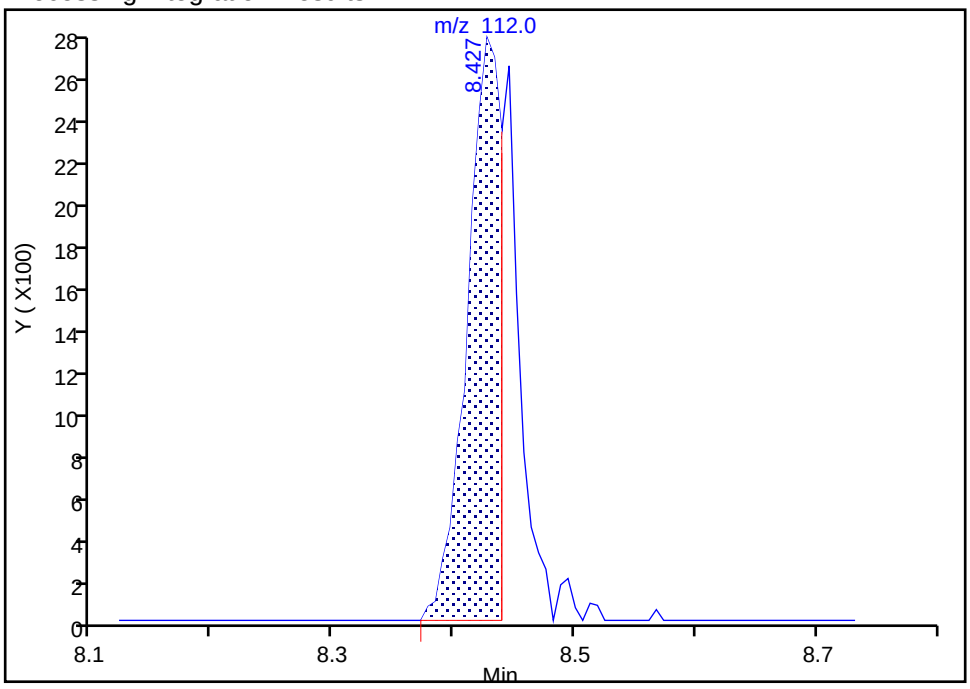
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

93 Chlorobenzene, CAS: 108-90-7

Signal: 1

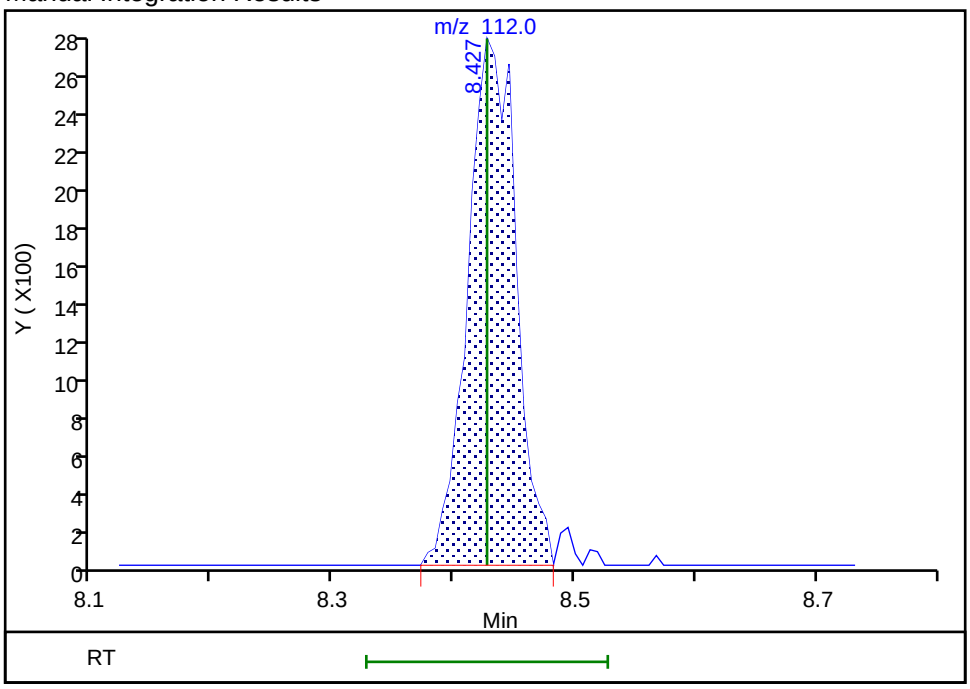
Processing Integration Results

RT: 8.43
Area: 5461
Amount: 0.757611
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 7643
Amount: 1.009396
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:54:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

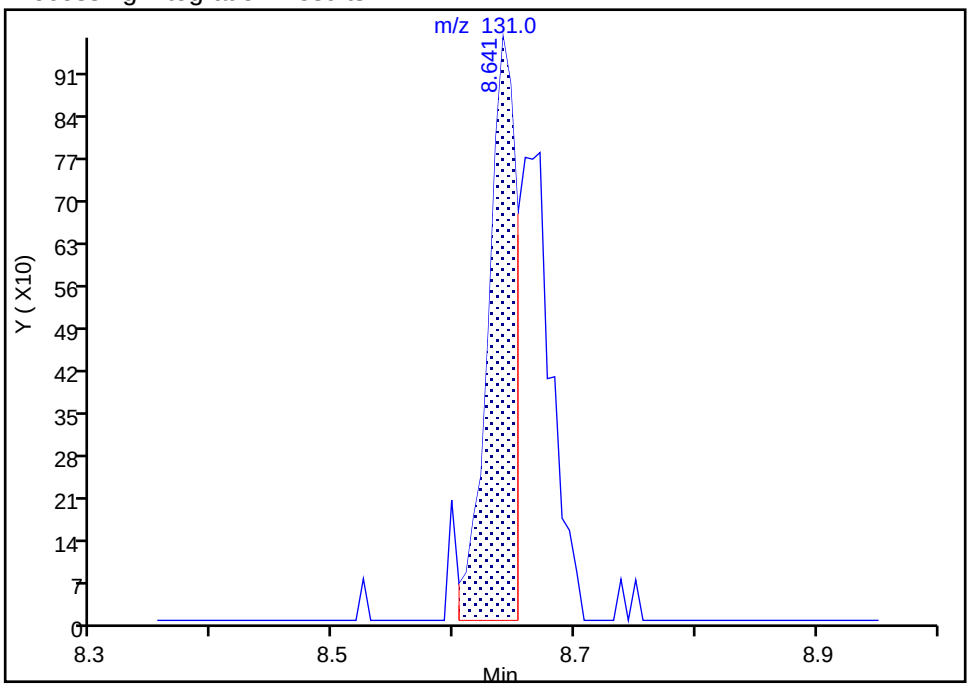
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

95 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Signal: 1

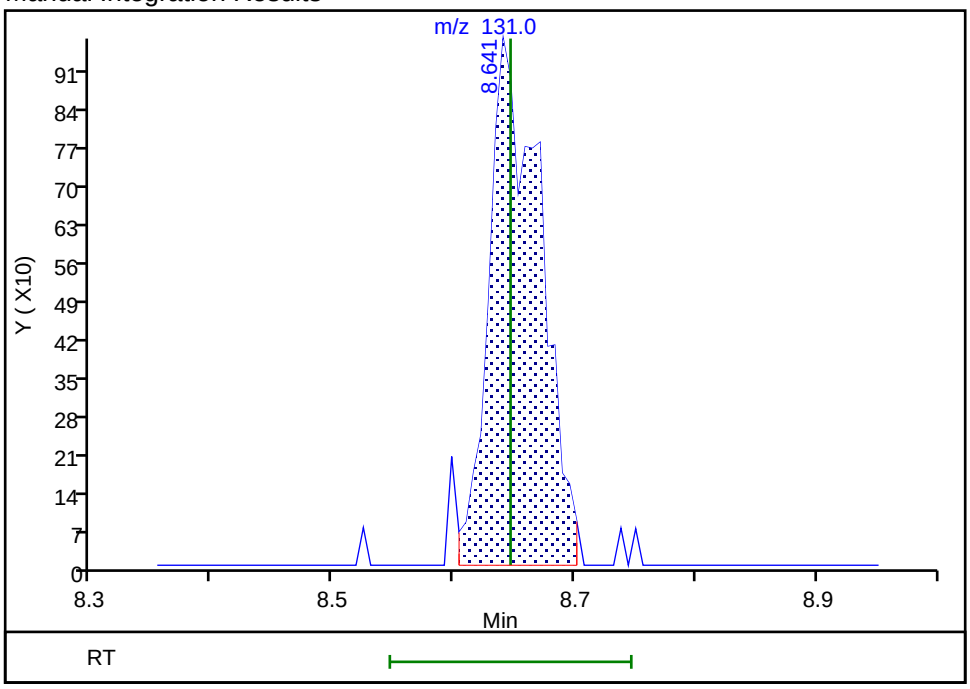
Processing Integration Results

RT: 8.64
Area: 1593
Amount: 0.546022
Amount Units: ug/l



Manual Integration Results

RT: 8.64
Area: 2874
Amount: 0.967365
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:54:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

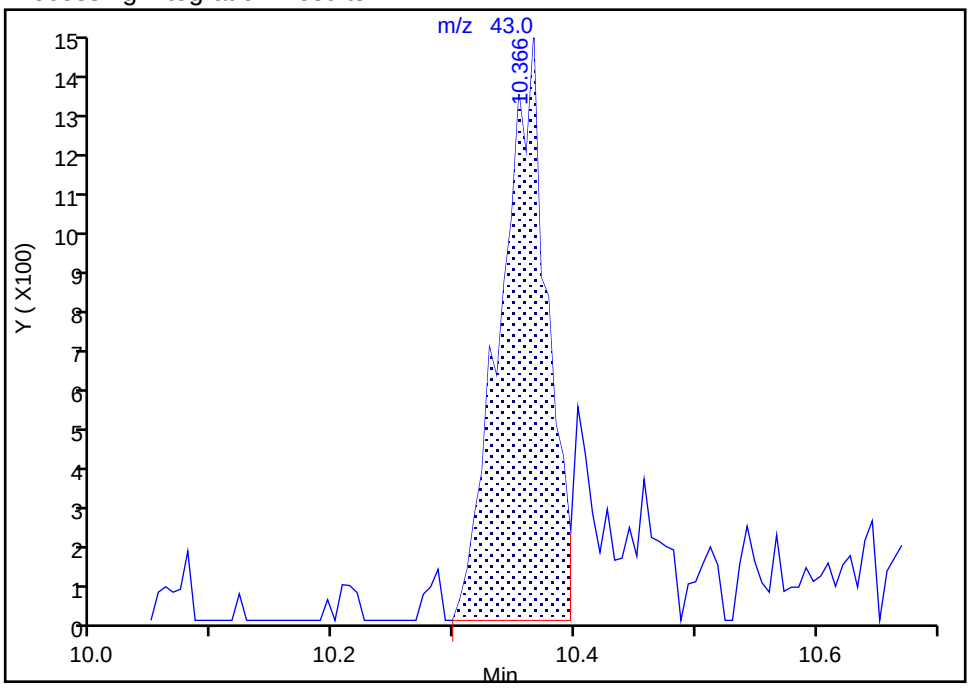
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

101 Amyl acetate (mixed isomers), CAS: 628-63-7

Signal: 1

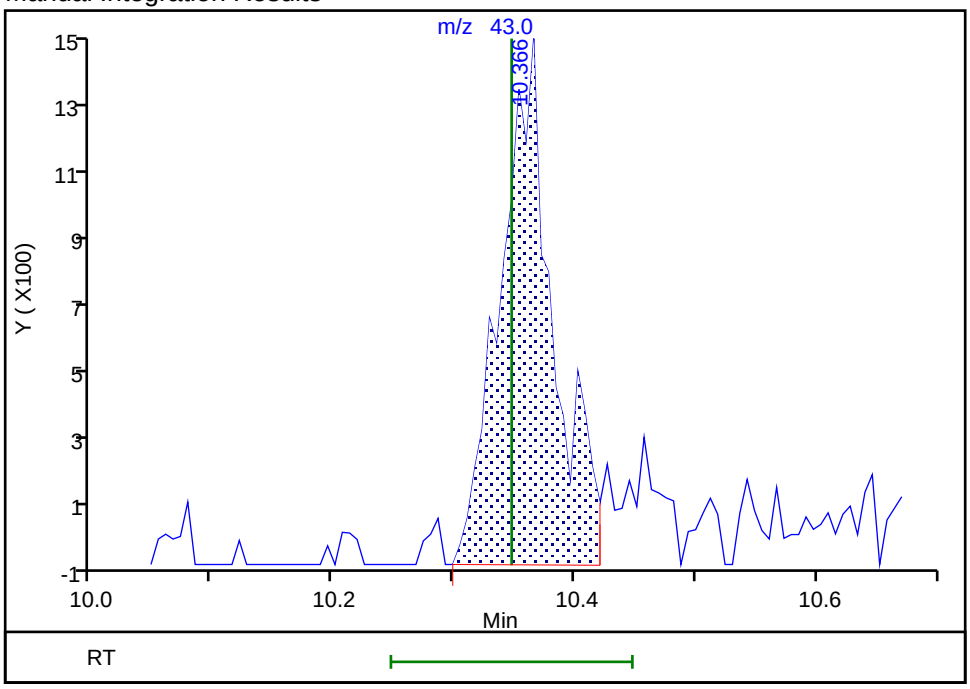
Processing Integration Results

RT: 10.37
Area: 3769
Amount: 0.621406
Amount Units: ug/l



Manual Integration Results

RT: 10.37
Area: 4267
Amount: 0.703468
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 09:08:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

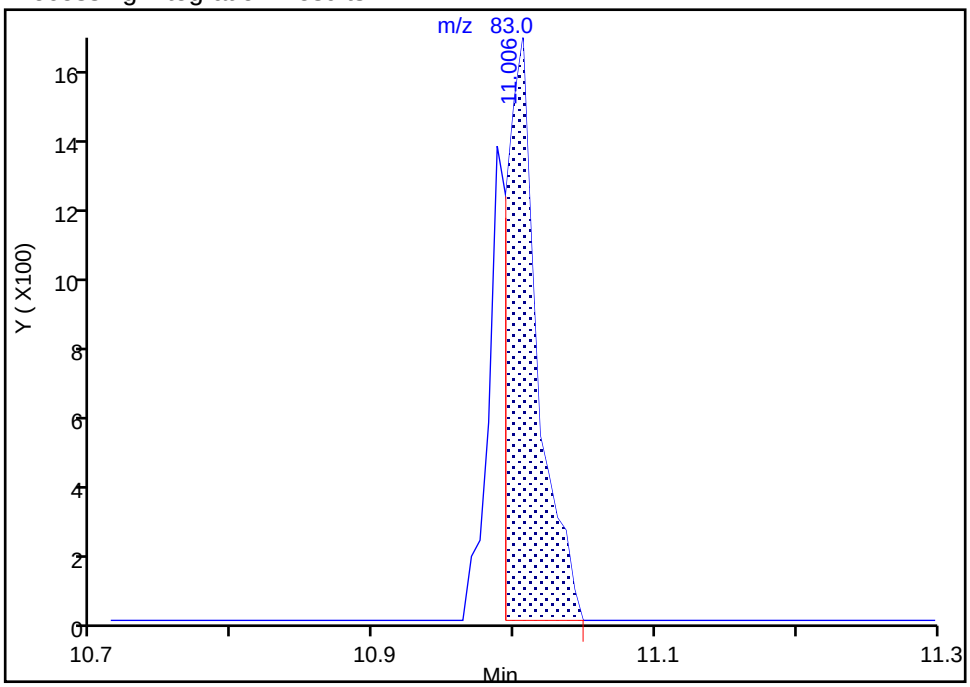
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

105 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

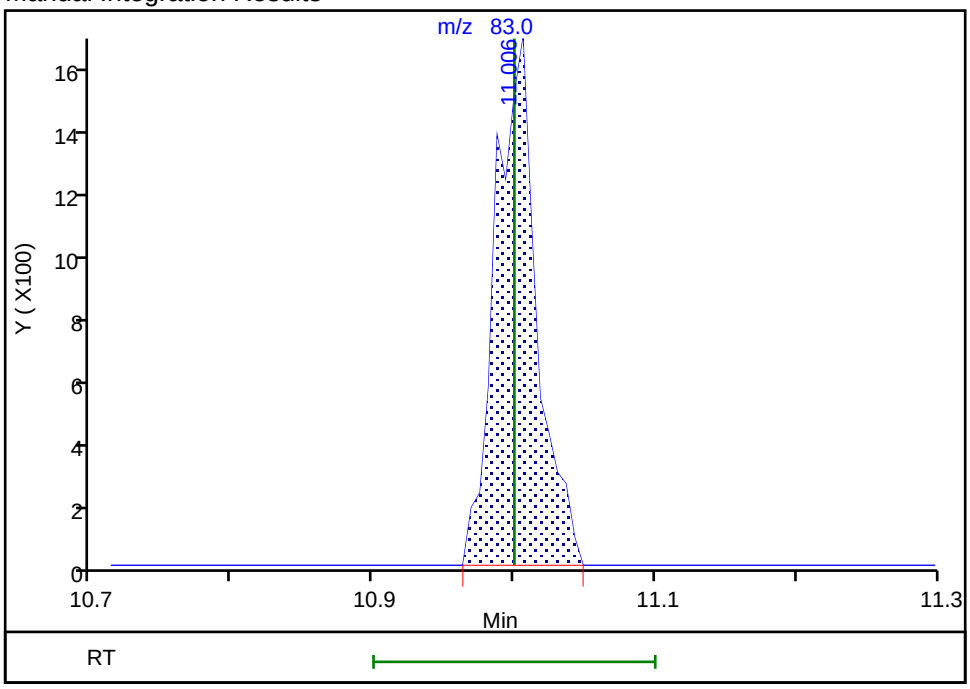
Processing Integration Results

RT: 11.01
Area: 2511
Amount: 0.736287
Amount Units: ug/l



Manual Integration Results

RT: 11.01
Area: 3345
Amount: 0.820110
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:55:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

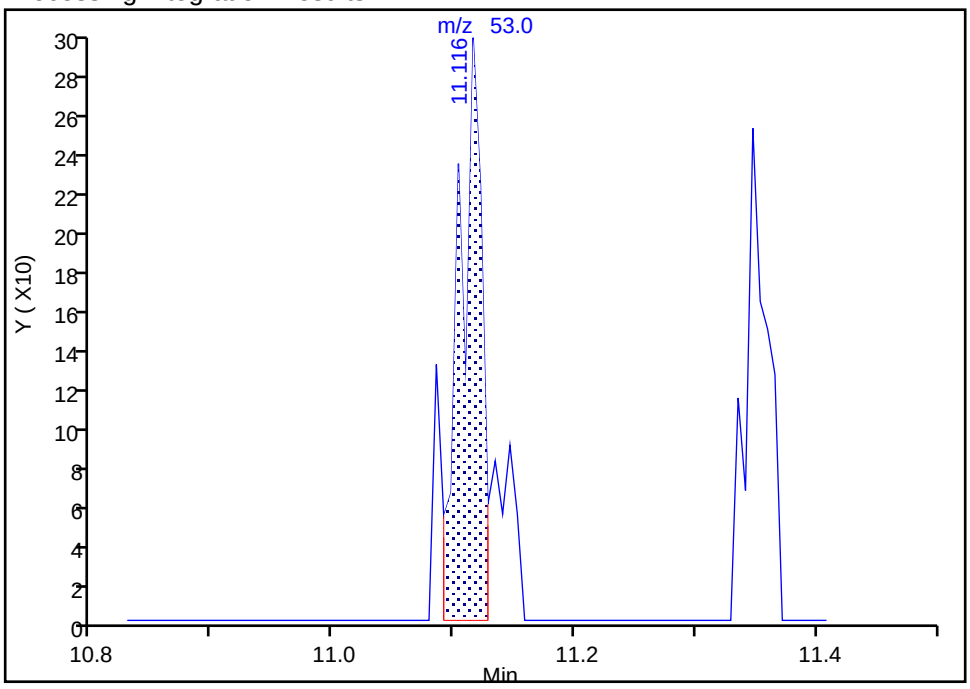
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

108 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

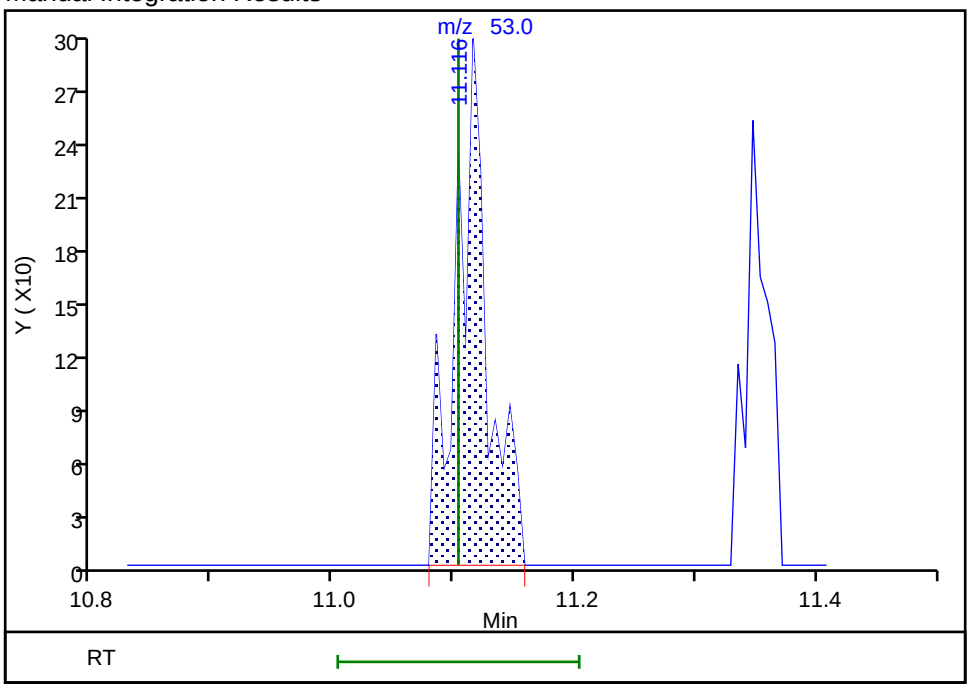
Processing Integration Results

RT: 11.12
Area: 383
Amount: 0.395451
Amount Units: ug/l



Manual Integration Results

RT: 11.12
Area: 532
Amount: 0.549239
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:55:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

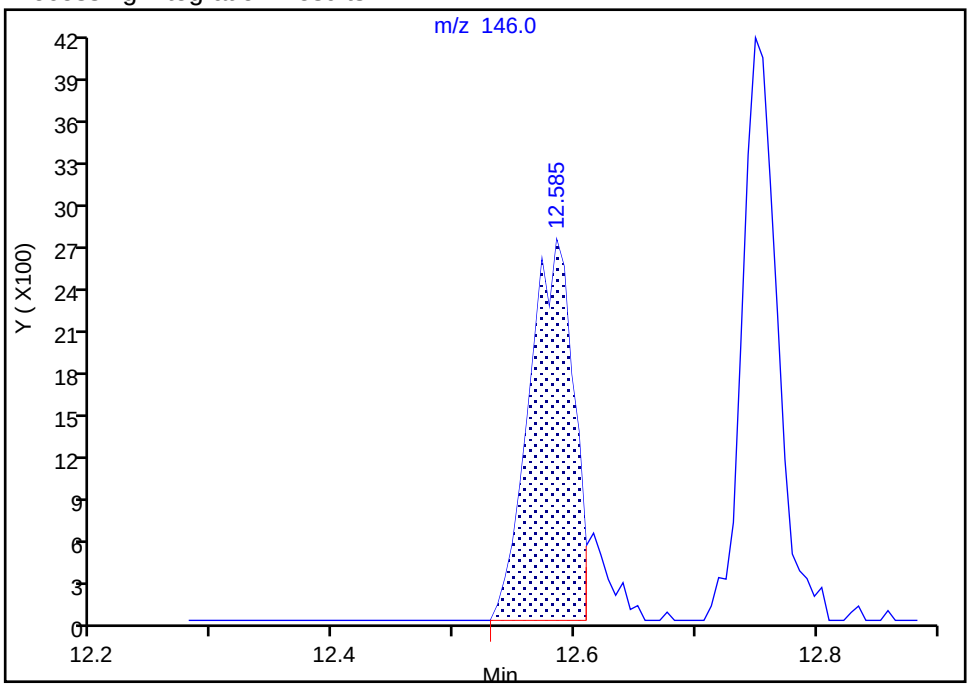
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

117 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

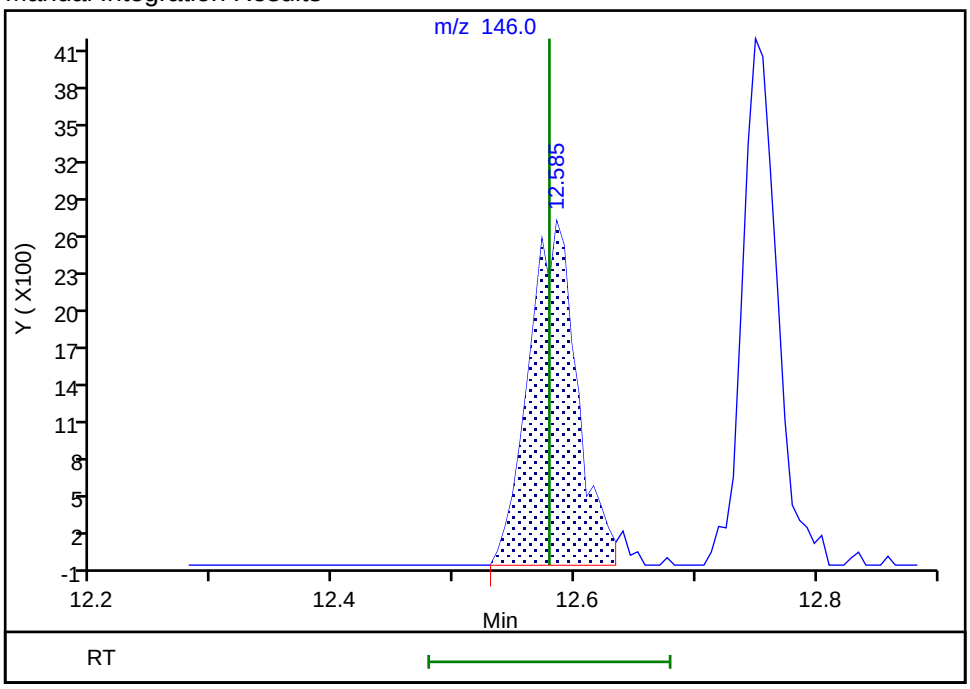
Processing Integration Results

RT: 12.58
Area: 6890
Amount: 0.941779
Amount Units: ug/l



Manual Integration Results

RT: 12.58
Area: 7461
Amount: 1.006733
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:55:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

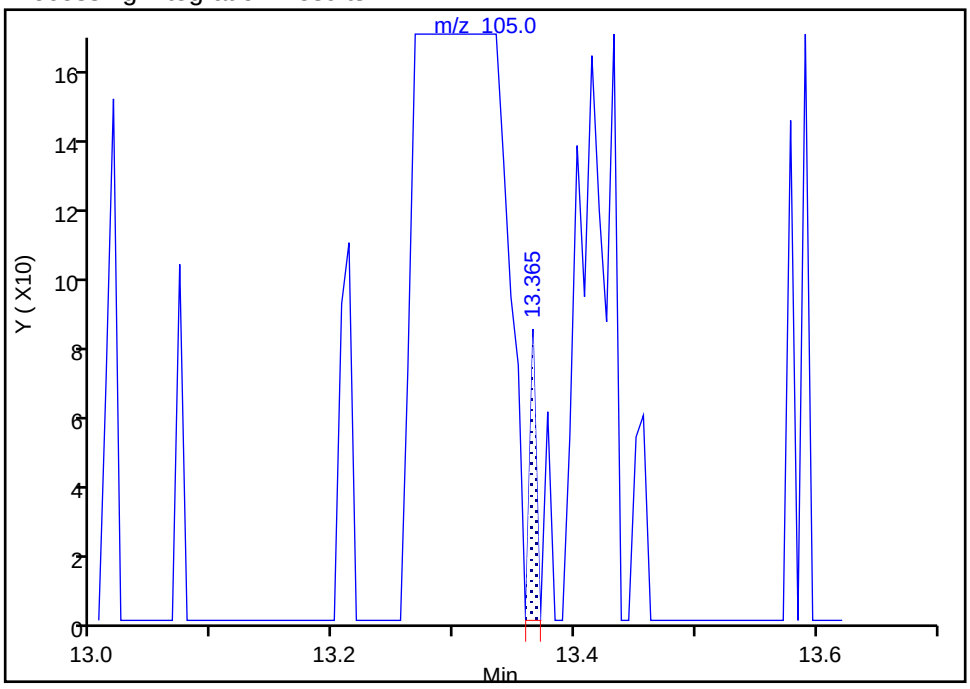
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

124 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

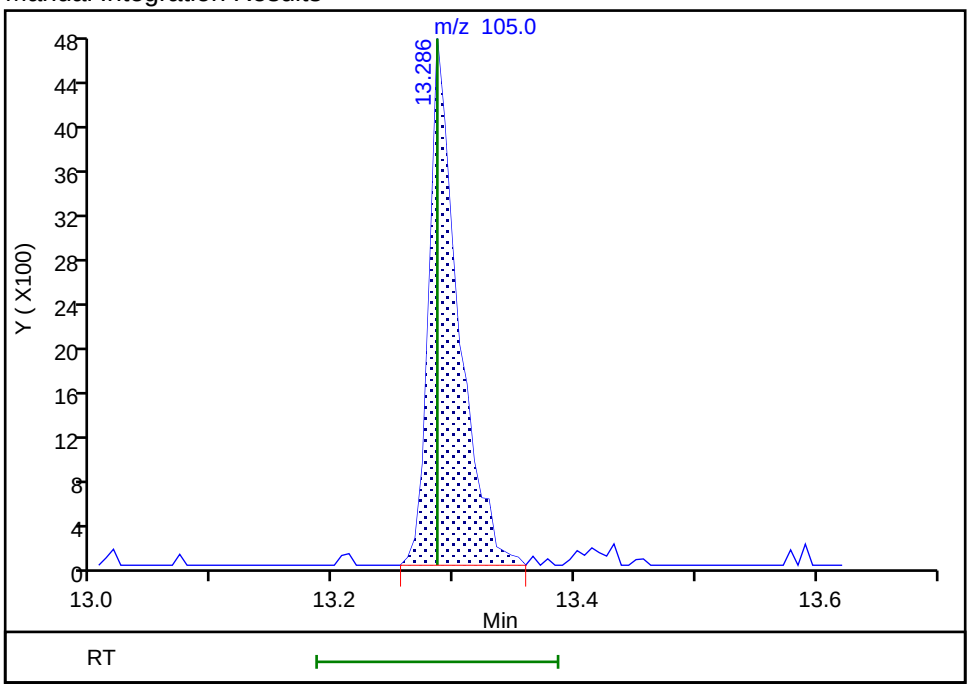
Processing Integration Results

RT: 13.37
Area: 30
Amount: 0.004238
Amount Units: ug/l



Manual Integration Results

RT: 13.29
Area: 8015
Amount: 0.971038
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:55:37
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

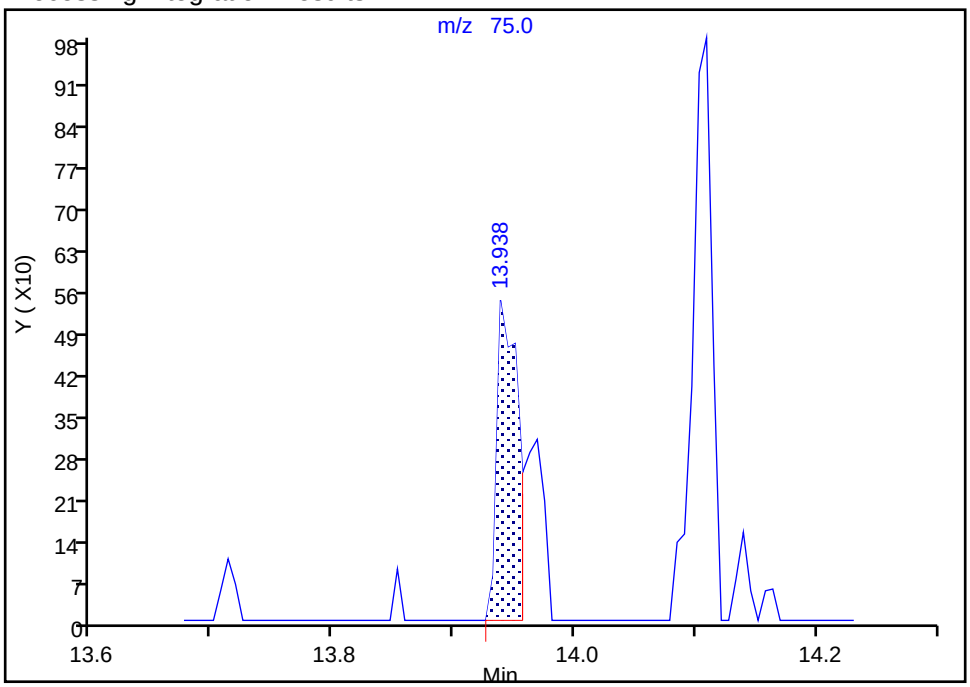
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

128 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

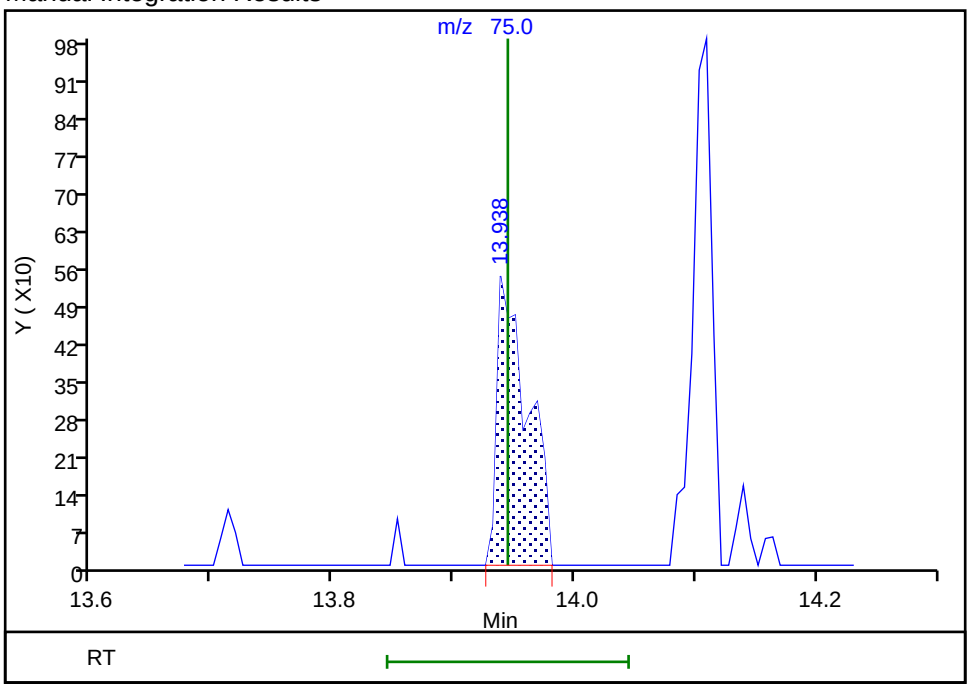
Processing Integration Results

RT: 13.94
Area: 657
Amount: 0.734388
Amount Units: ug/l



Manual Integration Results

RT: 13.94
Area: 947
Amount: 1.058457
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:56:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

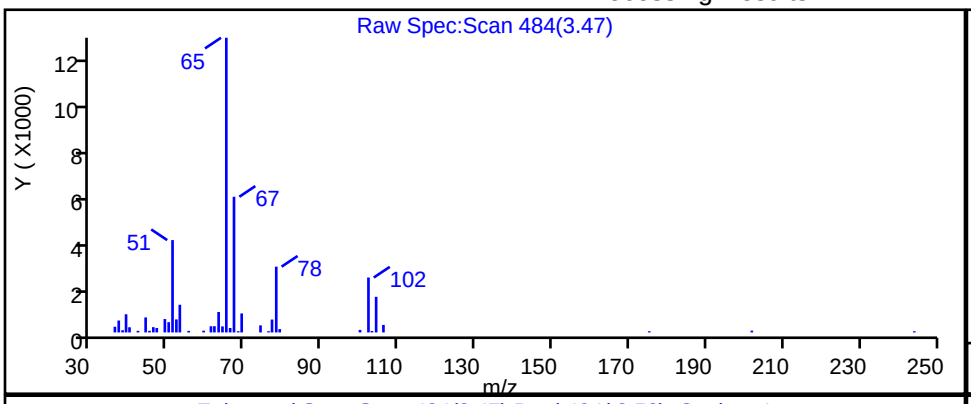
User Disabled Compound Report

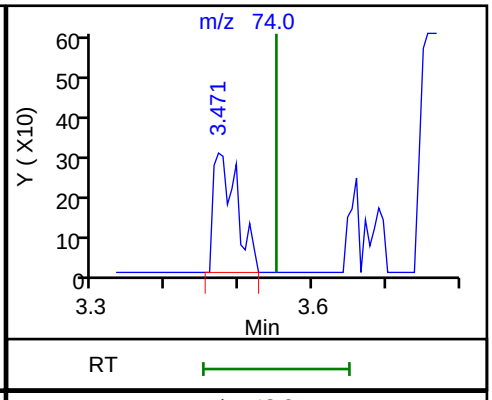
Eurofins TestAmerica, Edison

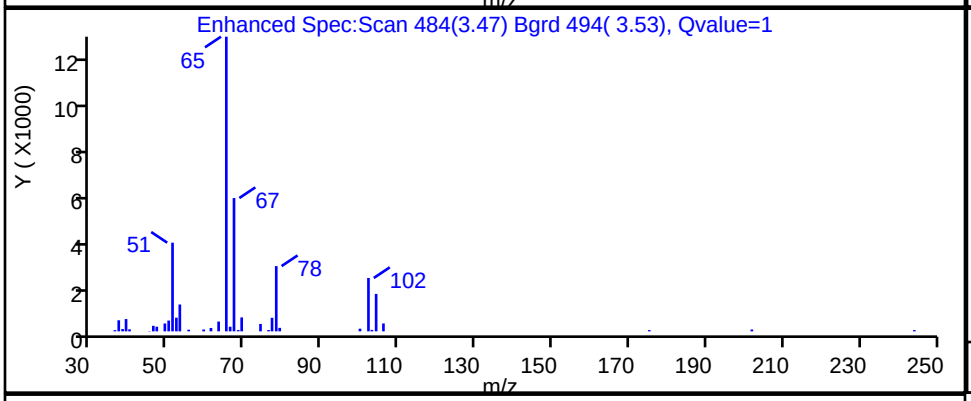
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D
Injection Date: 27-Dec-2019 17:16:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

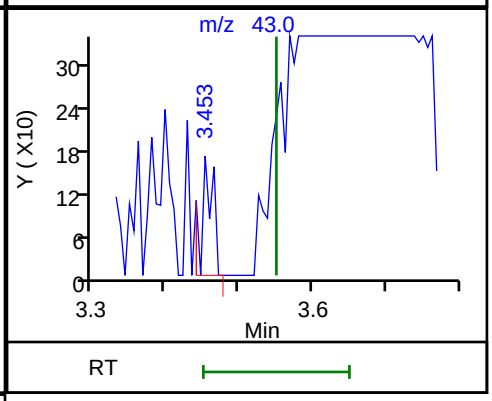
56 Isobutyl alcohol, CAS: 78-83-1

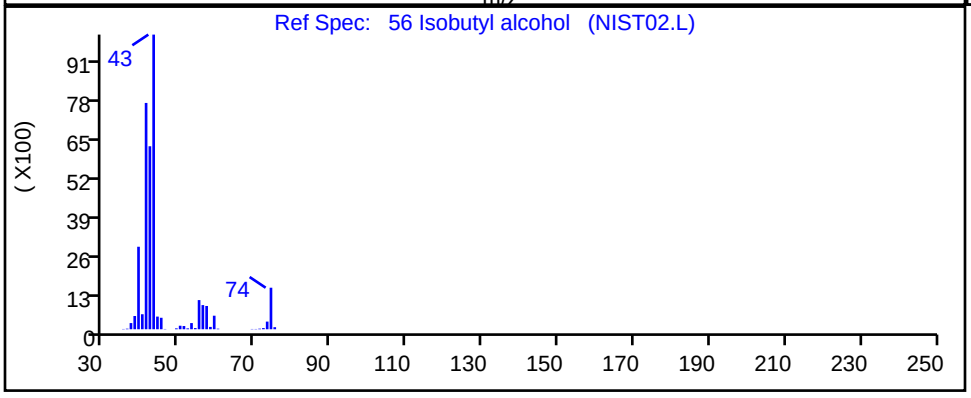
Processing Results











RT	Mass	Response	Amount
3.47	74.00	672	129.8442
3.45	43.00	184	

Reviewer: delpolitov, 31-Dec-2019 08:52:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

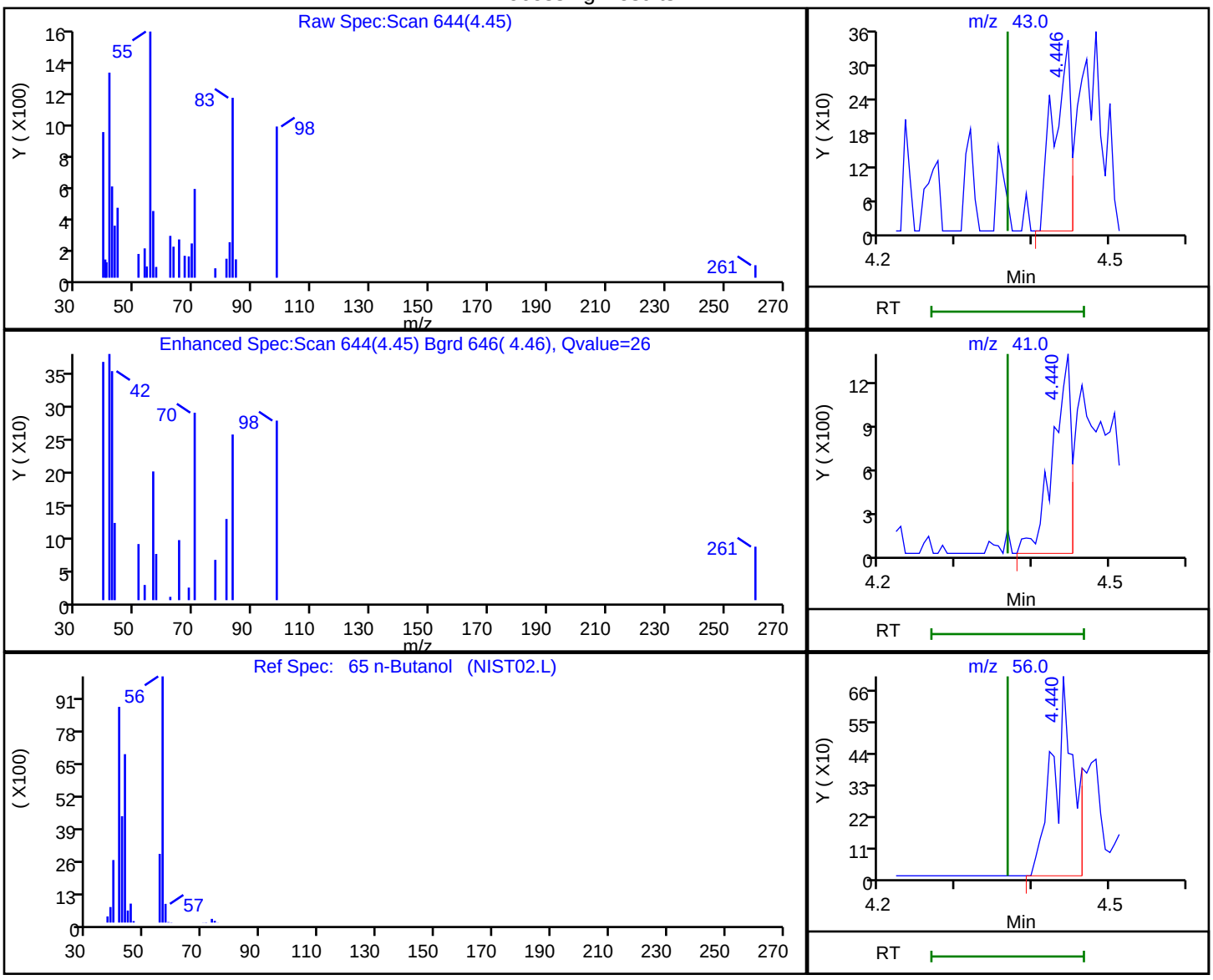
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52898.D		
Injection Date:	27-Dec-2019 17:16:30	Instrument ID:	CVOAMS2
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.45	43.00	522	28.161259
4.44	41.00	2239	
4.44	56.00	1318	

Reviewer: delpolitov, 31-Dec-2019 08:53:00

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Dec-2019 17:40:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0103524-018
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 31-Dec-2019 09:43:04 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: tupayachia Date: 28-Dec-2019 03:54:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.721	0.727	-0.006	85	301049	200.0	173.4	
2 Dichlorodifluoromethane	85	0.746	0.734	0.012	98	1100795	200.0	166.0	
3 Chloromethane	50	0.819	0.819	0.000	99	1291052	200.0	179.5	
4 Butadiene	54	0.862	0.862	0.000	86	678019	200.0	166.3	
5 Vinyl chloride	62	0.868	0.868	0.000	98	829376	200.0	181.4	
6 Bromomethane	94	1.014	1.008	0.006	98	622136	200.0	179.6	
7 Chloroethane	64	1.045	1.044	0.000	98	443667	200.0	177.0	
9 Dichlorofluoromethane	67	1.160	1.154	0.006	98	1281683	200.0	182.7	
10 Pentane	72	1.203	1.191	0.012	94	156127	400.0	326.0	
8 Trichlorofluoromethane	101	1.191	1.191	0.000	98	1160393	200.0	170.2	
11 Ethanol	46	1.307	1.307	0.000	79	88660	8000.0	7973.8	
12 Ethyl ether	59	1.313	1.313	0.000	97	465246	200.0	177.3	
13 2-Methyl-1,3-butadiene	53	1.325	1.319	0.006	95	512110	200.0	164.0	
14 1,2-Dichloro-1,1,2-trifluo	117	1.349	1.337	0.012	90	574695	200.0	173.6	a
15 Acrolein	56	1.386	1.386	0.000	34	75146	200.0	158.3	
16 1,1-Dichloroethene	96	1.441	1.435	0.006	96	531469	200.0	171.5	
17 1,1,2-Trichloro-1,2,2-trif	101	1.477	1.465	0.012	95	559218	200.0	164.8	
18 Acetone	43	1.477	1.471	0.006	83	1115248	1000.0	955.4	
19 Iodomethane	142	1.526	1.520	0.006	99	1256421	200.0	189.7	
20 Carbon disulfide	76	1.563	1.557	0.006	100	2066903	200.0	195.3	
21 Isopropyl alcohol	45	1.587	1.605	-0.018	96	455341	2000.0	2153.2	
22 3-Chloro-1-propene	76	1.654	1.648	0.006	88	364111	200.0	181.6	
25 Acetonitrile	40	1.654	1.648	0.006	75	450729	2000.0	1710.5	
24 Methyl acetate	43	1.679	1.666	0.013	99	1061789	400.0	386.2	
23 Cyclopentene	67	1.703	1.697	0.006	95	1201842	200.0	162.9	
26 Methylene Chloride	84	1.733	1.733	0.000	95	647118	200.0	169.8	
* 27 TBA-d9 (IS)	65	1.813	1.794	0.019	0	280932	1000.0	1000.0	Ma
28 2-Methyl-2-propanol	59	1.868	1.855	0.013	91	568880	2000.0	1928.8	
31 Acrylonitrile	53	1.898	1.892	0.006	92	2170027	2000.0	1755.0	
30 trans-1,2-Dichloroethene	96	1.910	1.910	0.000	96	608516	200.0	179.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methyl tert-butyl ether	73	1.935	1.928	0.007	97	1652343	200.0	181.9	
32 Hexane	43	2.111	2.105	0.006	92	486363	200.0	158.7	
34 1,1-Dichloroethane	63	2.203	2.197	0.006	99	1090900	200.0	178.0	
35 Vinyl acetate	86	2.270	2.264	0.006	100	199611	400.0	429.8	
36 2-Chloro-1,3-butadiene	88	2.276	2.270	0.006	95	532085	200.0	183.0	
33 Isopropyl ether	45	2.300	2.288	0.012	90	2077623	200.0	168.1	
37 Tert-butyl ethyl ether	87	2.593	2.581	0.012	90	734451	200.0	186.3	
* 39 2-Butanone-d5	46	2.660	2.648	0.012	0	329307	250.0	250.0	a
38 2,2-Dichloropropane	41	2.672	2.666	0.006	96	649349	200.0	187.3	
40 cis-1,2-Dichloroethene	96	2.672	2.672	0.000	97	672276	200.0	180.6	
41 2-Butanone (MEK)	72	2.703	2.703	0.000	99	317554	1000.0	1061.1	
44 Propionitrile	54	2.751	2.745	0.006	94	807541	2000.0	1959.8	
43 Methyl acrylate	85	2.806	2.782	0.024	99	87432	200.0	196.9	
42 Ethyl acetate	70	2.788	2.782	0.006	98	101139	400.0	423.9	
46 Chlorobromomethane	128	2.880	2.867	0.013	86	410280	200.0	186.8	
47 Methacrylonitrile	67	2.886	2.879	0.007	97	2295714	2000.0	1805.4	
45 Tetrahydrofuran	72	2.928	2.928	0.000	96	145060	400.0	390.3	
48 Chloroform	83	2.971	2.965	0.006	98	1122048	200.0	176.1	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	96	208847	50.0	49.7	
50 1,1,1-Trichloroethane	97	3.129	3.123	0.006	98	1074576	200.0	179.9	
49 Cyclohexane	84	3.172	3.166	0.006	92	797827	200.0	164.2	
52 Carbon tetrachloride	117	3.282	3.276	0.006	96	965528	200.0	188.5	
53 1,1-Dichloropropene	75	3.282	3.276	0.006	92	815540	200.0	180.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.434	3.428	0.006	0	248612	50.0	49.0	
55 Benzene	78	3.483	3.477	0.006	98	2220423	200.0	171.4	
60 1,2-Dichloroethane	62	3.514	3.514	0.000	98	957303	200.0	188.1	
56 Isobutyl alcohol	74	3.538	3.550	-0.012	95	44076	5000.0	6204.7	
54 Isooctane	57	3.623	3.605	0.018	96	1683796	200.0	167.0	
59 Tert-amyl methyl ether	73	3.666	3.654	0.012	90	1883770	200.0	183.8	
61 Isopropyl acetate	61	3.672	3.678	-0.006	93	206246	200.0	197.6	
* 63 Fluorobenzene	96	3.800	3.794	0.006	98	570596	50.0	50.0	
62 n-Heptane	43	3.849	3.843	0.006	96	744132	200.0	163.7	
64 Trichloroethene	95	4.233	4.221	0.012	96	640623	200.0	185.5	
65 n-Butanol	43	4.330	4.367	-0.037	97	161036	5000.0	6201.3	
66 Methylcyclohexane	83	4.458	4.446	0.012	82	879642	200.0	169.7	
67 Ethyl acrylate	55	4.458	4.452	0.006	97	1333569	200.0	175.8	
69 1,2-Dichloropropane	63	4.495	4.483	0.012	89	601493	200.0	189.3	
72 Dibromomethane	93	4.635	4.629	0.006	97	441375	200.0	204.1	
* 70 1,4-Dioxane-d8	96	4.672	4.672	0.000	0	25345	1000.0	1000.0	
73 1,4-Dioxane	88	4.721	4.733	-0.012	79	104586	4000.0	4102.2	
71 Methyl methacrylate	100	4.763	4.751	0.012	94	301765	400.0	419.0	
74 n-Propyl acetate	43	4.879	4.879	0.000	99	971229	200.0	212.7	
75 Dichlorobromomethane	83	4.891	4.879	0.012	99	890942	200.0	204.4	
76 2-Nitropropane	41	5.227	5.214	0.013	99	357183	400.0	454.9	
77 2-Chloroethyl vinyl ether	63	5.397	5.385	0.012	92	190259	200.5	234.8	
78 Epichlorohydrin	62	5.428	5.422	0.006	99	249750	4000.0	4000.1	
79 cis-1,3-Dichloropropene	75	5.538	5.537	0.001	97	995313	200.0	209.6	
80 4-Methyl-2-pentanone (MIBK	43	5.848	5.842	0.006	99	3492671	1000.0	983.4	
$ 81 Toluene-d8 (Surr)	98	5.916	5.909	0.007	99	708799	50.0	49.2	
82 Toluene	91	6.013	6.007	0.006	93	2400687	200.0	182.3	
83 trans-1,3-Dichloropropene	75	6.446	6.446	0.000	97	850707	200.0	209.3	
86 1,1,2-Trichloroethane	83	6.720	6.720	0.000	93	423936	200.0	180.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Ethyl methacrylate	69	6.726	6.726	0.000	92	737462	200.0	198.9	
85 Tetrachloroethene	166	6.891	6.879	0.012	95	668784	200.0	192.1	
87 1,3-Dichloropropane	76	6.976	6.976	0.000	97	889141	200.0	191.9	
88 2-Hexanone	43	7.269	7.269	0.000	98	2436362	1000.0	1186.8	
89 Chlorodibromomethane	129	7.354	7.348	0.006	98	693763	200.0	207.8	
91 Ethylene Dibromide	107	7.470	7.470	0.000	100	566309	200.0	198.0	
90 n-Butyl acetate	73	7.598	7.598	0.000	96	140596	200.0	222.6	
* 92 Chlorobenzene-d5	117	8.385	8.378	0.007	85	476663	50.0	50.0	
93 Chlorobenzene	112	8.433	8.427	0.006	95	1705661	200.0	196.0	
95 1,1,1,2-Tetrachloroethane	131	8.653	8.647	0.006	94	723727	200.0	211.9	
94 Ethylbenzene	106	8.732	8.726	0.006	98	921547	200.0	199.0	
96 m-Xylene & p-Xylene	106	8.976	8.970	0.006	0	1135307	200.0	198.9	
97 o-Xylene	106	9.683	9.683	0.000	94	1219947	200.0	205.8	
99 Styrene	104	9.726	9.720	0.006	96	1852665	200.0	211.9	
98 n-Butyl acrylate	73	9.884	9.884	0.000	95	466461	200.0	212.3	
100 Bromoform	173	9.963	9.976	-0.013	96	439550	200.0	219.9	
101 Amyl acetate (mixed isomer	43	10.348	10.348	0.000	87	1435067	200.0	197.1	
102 Isopropylbenzene	105	10.402	10.396	0.006	96	3283731	200.0	207.4	
$ 103 4-Bromofluorobenzene	174	10.610	10.604	0.006	89	232209	50.0	51.5	
104 Bromobenzene	156	10.787	10.780	0.006	95	773615	200.0	185.8	
107 1,2,3-Trichloropropane	110	10.994	10.994	0.000	96	243965	200.0	187.3	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	97	782245	200.0	182.4	
108 trans-1,4-Dichloro-2-buten	53	11.104	11.103	0.001	90	223517	200.0	196.4	
106 N-Propylbenzene	120	11.134	11.128	0.006	100	876685	200.0	195.1	
109 2-Chlorotoluene	126	11.189	11.189	0.000	97	792716	200.0	190.9	
110 4-Ethyltoluene	105	11.353	11.347	0.006	98	3080640	200.0	190.4	
112 4-Chlorotoluene	91	11.390	11.390	0.000	97	2425245	200.0	185.4	
111 1,3,5-Trimethylbenzene	105	11.481	11.475	0.006	93	2772044	200.0	192.8	
113 Butyl Methacrylate	87	11.841	11.841	0.000	97	853777	200.0	195.7	
114 tert-Butylbenzene	91	12.036	12.036	0.000	95	1483671	200.0	197.2	
115 1,2,4-Trimethylbenzene	105	12.140	12.134	0.006	98	2832793	200.0	198.6	
116 sec-Butylbenzene	105	12.493	12.487	0.006	99	3357662	200.0	196.2	
117 1,3-Dichlorobenzene	146	12.579	12.579	0.000	98	1476659	200.0	189.5	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	95	272392	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.756	12.750	0.006	94	1492585	200.0	186.6	
118 4-Isopropyltoluene	119	12.804	12.804	0.000	98	3052776	200.0	201.6	
121 1,2,3-Trimethylbenzene	105	12.890	12.884	0.006	99	3140037	200.0	203.5	
122 Benzyl chloride	126	12.993	12.993	0.000	98	306183	200.0	203.7	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	94	3026415	200.0	200.9	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	94	1604016	200.0	193.9	
124 p-Diethylbenzene	105	13.292	13.286	0.006	93	1695771	200.0	195.4	
125 n-Butylbenzene	92	13.310	13.304	0.006	98	1584678	200.0	196.3	
128 1,2-Dibromo-3-Chloropropan	75	13.951	13.944	0.007	95	195891	200.0	200.2	
127 1,2,4,5-Tetramethylbenzene	119	13.969	13.963	0.006	97	3336676	200.0	215.5	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	97	1283477	200.0	197.1	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	94	1179327	200.0	210.9	
131 Hexachlorobutadiene	225	14.670	14.664	0.006	94	421912	200.0	197.4	
132 Naphthalene	128	14.688	14.682	0.006	99	3110409	200.0	215.4	
133 1,2,3-Trichlorobenzene	180	14.841	14.834	0.007	95	1175097	200.0	194.1	
S 134 1,2-Dichloroethene, Total	100				0		400.0	359.6	
S 135 Xylenes, Total	100				0		400.0	404.7	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS Hi_00338	Amount Added:	20.00	Units: uL	
MIX I Hi_00120	Amount Added:	20.00	Units: uL	
Ethanol mix_00035	Amount Added:	20.00	Units: uL	
8FreonHi_00012	Amount Added:	20.00	Units: uL	
ACROLEIN W_00100	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00093	Amount Added:	20.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 31-Dec-2019 09:43:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Injection Date: 27-Dec-2019 17:40:30 Instrument ID: CVOAMS2 Operator ID:

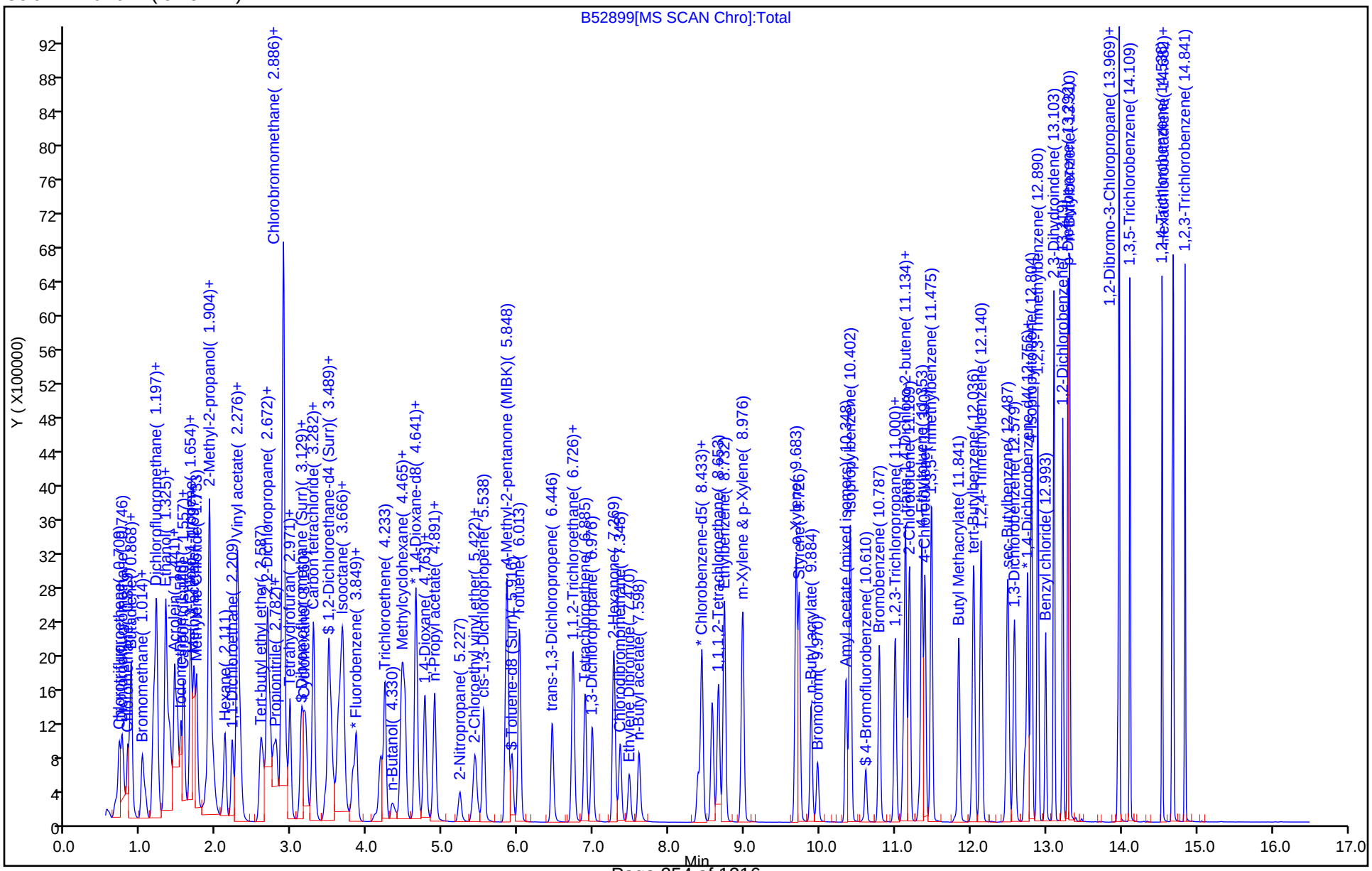
Lims ID: STD200 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 18

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

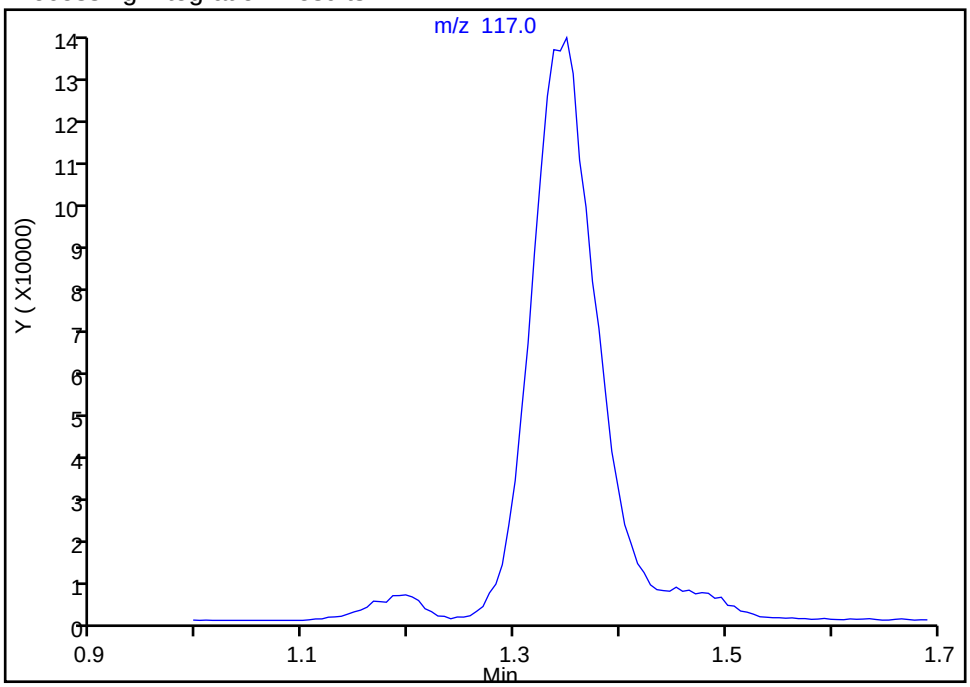
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D
Injection Date: 27-Dec-2019 17:40:30 Instrument ID: CVOAMS2
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

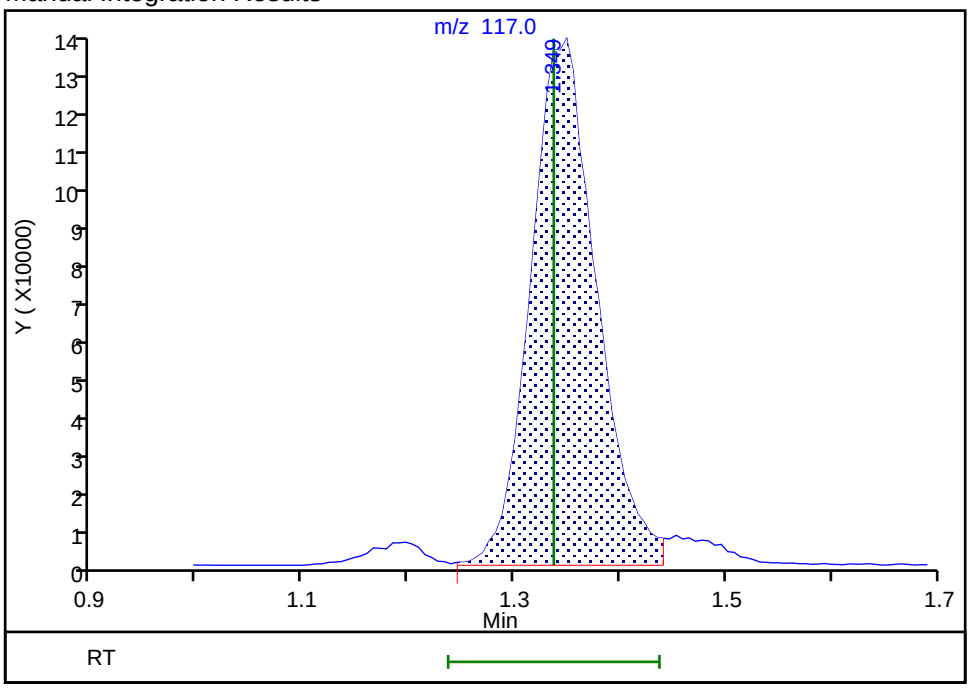
Not Detected
Expected RT: 1.34

Processing Integration Results



Manual Integration Results

RT: 1.35
Area: 574695
Amount: 173.6241
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:57:56
Audit Action: Assigned Compound ID Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

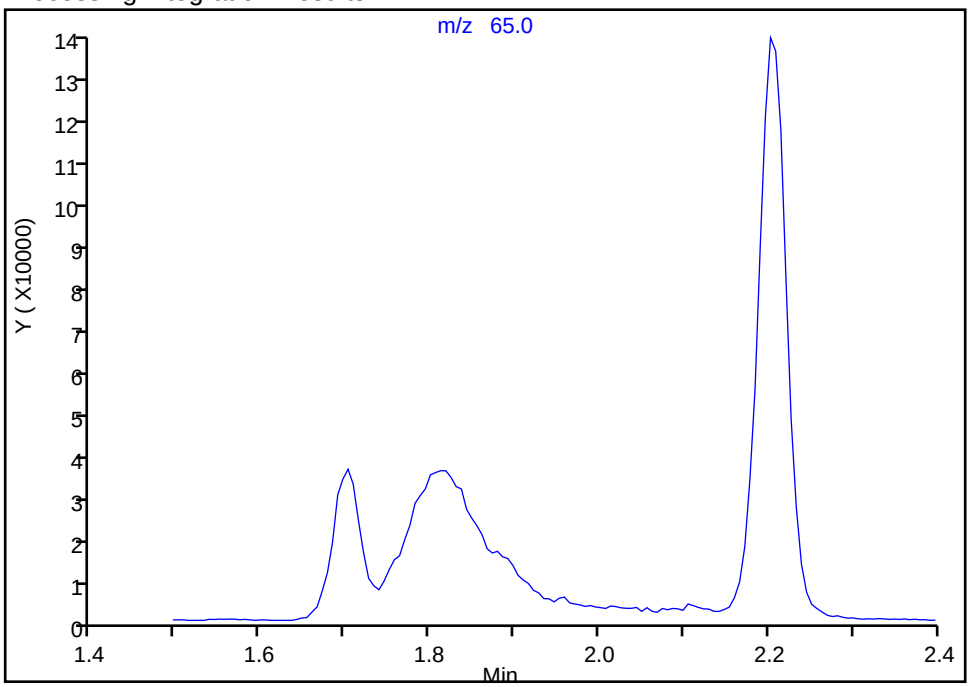
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D
Injection Date: 27-Dec-2019 17:40:30 Instrument ID: CVOAMS2
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 27 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

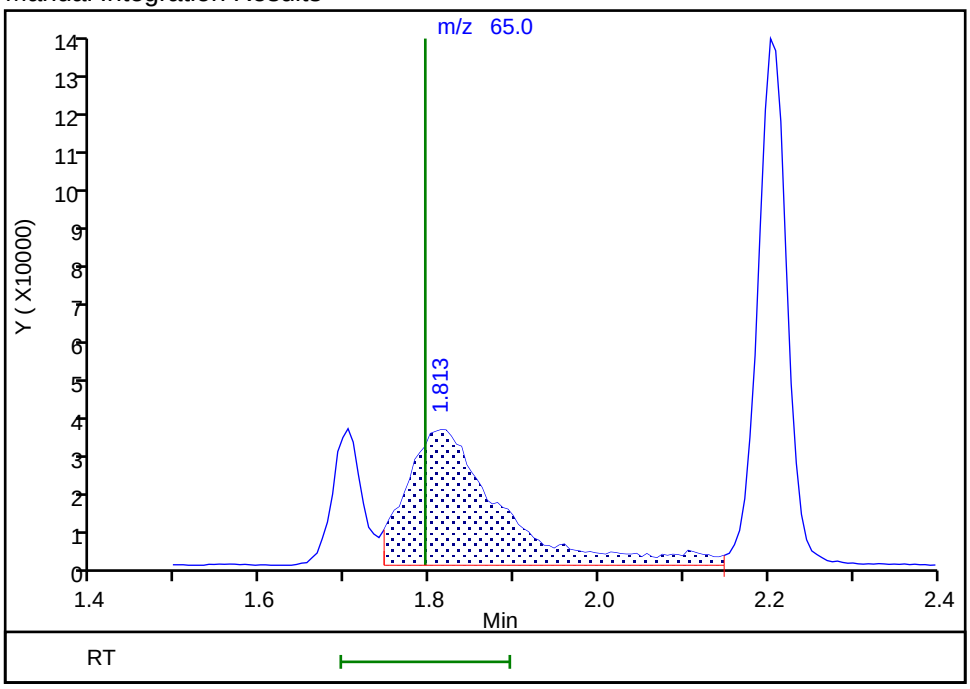
Not Detected
Expected RT: 1.79

Processing Integration Results



Manual Integration Results

RT: 1.81
Area: 280932
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:57:39
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

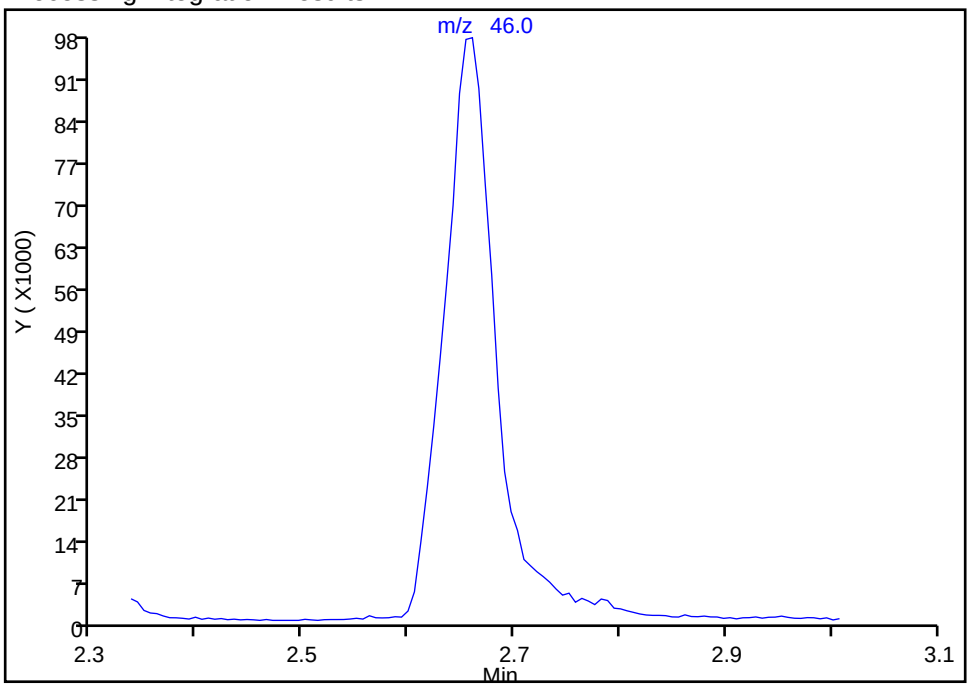
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D
Injection Date: 27-Dec-2019 17:40:30 Instrument ID: CVOAMS2
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 39 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

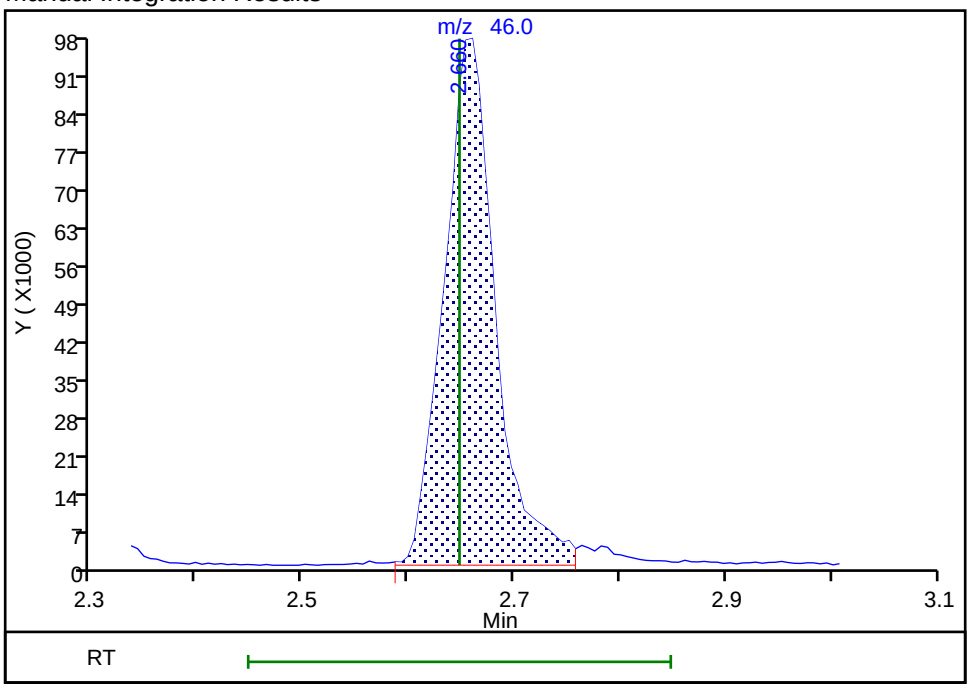
Not Detected
Expected RT: 2.65

Processing Integration Results



Manual Integration Results

RT: 2.66
Area: 329307
Amount: 250.0000
Amount Units: ug/l



Reviewer: delpolitov, 31-Dec-2019 08:57:44
Audit Action: Assigned Compound ID Audit Reason: Shouldering

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665782/2 Calibration Date: 12/30/2019 06:01

Instrument ID: CVOAMS2 Calib Start Date: 12/27/2019 11:43

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 12/27/2019 17:40

Lab File ID: B52960.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1522	0.1343		17.7	20.0	-11.7	20.0
Dichlorodifluoromethane	Ave	0.5810	0.5384	0.1000	18.5	20.0	-7.3	20.0
Chloromethane	Ave	0.6303	0.6515	0.1000	20.7	20.0	3.4	20.0
Butadiene	Ave	0.3573	0.3680		20.6	20.0	3.0	20.0
Vinyl chloride	Ave	0.4007	0.4348	0.1000	21.7	20.0	8.5	20.0
Bromomethane	Ave	0.3036	0.3282	0.1000	21.6	20.0	8.1	50.0
Chloroethane	Ave	0.2196	0.2377	0.1000	21.6	20.0	8.2	50.0
Dichlorofluoromethane	Ave	0.6147	0.6554		21.3	20.0	6.6	20.0
Trichlorofluoromethane	Ave	0.5974	0.6372	0.1000	21.3	20.0	6.7	20.0
Pentane	Ave	1.705	1.919		45.0	40.0	12.5	20.0
Ethanol	QuaF		0.0689		1290	800	61.3*	50.0
Ethyl ether	Ave	0.2300	0.2205		19.2	20.0	-4.1	20.0
2-Methyl-1,3-butadiene	Ave	0.2737	0.2839		20.7	20.0	3.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2900	0.3053		21.1	20.0	5.3	20.0
Acrolein	Ave	1.689	1.833		43.4	40.0	8.5	50.0
1,1-Dichloroethene	Ave	0.2716	0.3096	0.1000	22.8	20.0	14.0	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2974	0.3603	0.1000	24.2	20.0	21.1*	20.0
Acetone	Ave	0.8862	0.9444	0.0500	107	100	6.6	50.0
Iodomethane	Ave	0.5805	0.6470		22.3	20.0	11.5	20.0
Carbon disulfide	Ave	0.9275	1.029	0.1000	22.2	20.0	10.9	50.0
Isopropyl alcohol	Ave	0.7528	0.7926		211	200	5.3	50.0
Acetonitrile	Ave	0.0231	0.0326		282	200	41.1*	20.0
Allyl chloride	Ave	0.1757	0.1935		22.0	20.0	10.1	20.0
Methyl acetate	Ave	0.2409	0.2587	0.1000	42.9	40.0	7.4	20.0
Cyclopentene	Ave	0.6466	0.7563		23.4	20.0	17.0	20.0
Methylene Chloride	Ave	0.3340	0.3811	0.1000	22.8	20.0	14.1	20.0
2-Methyl-2-propanol	Ave	1.050	1.165		222	200	11.0	50.0
Acrylonitrile	Ave	0.1083	0.1178		217	200	8.7	20.0
trans-1,2-Dichloroethene	Ave	0.2979	0.3321	0.1000	22.3	20.0	11.5	20.0
Methyl tert-butyl ether	Ave	0.7961	0.8686	0.1000	21.8	20.0	9.1	20.0
Hexane	Ave	0.2686	0.3186		23.7	20.0	18.6	20.0
1,1-Dichloroethane	Ave	0.5370	0.6039	0.2000	22.5	20.0	12.5	20.0
2-Chloro-1,3-butadiene	Ave	0.2548	0.2851		22.4	20.0	11.9	20.0
Vinyl acetate	Ave	1.653	1.809		43.8	40.0	9.4	20.0
Isopropyl ether	Ave	1.083	1.237		22.8	20.0	14.2	20.0
Tert-butyl ethyl ether	Ave	0.3454	0.3976		23.0	20.0	15.1	20.0
2,2-Dichloropropane	Ave	0.3038	0.3560		23.4	20.0	17.2	20.0
cis-1,2-Dichloroethene	Ave	0.3262	0.3523	0.1000	21.6	20.0	8.0	20.0
2-Butanone (MEK)	Ave	0.2272	0.2488	0.0500	110	100	9.5	50.0
Propionitrile	Ave	1.467	1.567		214	200	6.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665782/2 Calibration Date: 12/30/2019 06:01

Instrument ID: CVOAMS2 Calib Start Date: 12/27/2019 11:43

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 12/27/2019 17:40

Lab File ID: B52960.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl acetate	Ave	0.1811	0.2285		50.5	40.0	26.1*	20.0
Methyl acrylate	Ave	0.0389	0.0391		20.1	20.0	0.6	20.0
Chlorobromomethane	Ave	0.1925	0.1917		19.9	20.0	-0.4	20.0
Methacrylonitrile	Ave	0.1114	0.1107		199	200	-0.6	20.0
Tetrahydrofuran	Ave	0.2822	0.3115		44.2	40.0	10.4	20.0
Chloroform	Ave	0.5583	0.5972	0.2000	21.4	20.0	7.0	20.0
1,1,1-Trichloroethane	Ave	0.5235	0.5639	0.1000	21.5	20.0	7.7	20.0
Cyclohexane	Ave	0.4257	0.4763	0.1000	22.4	20.0	11.9	50.0
1,1-Dichloropropene	Ave	0.3969	0.4151		20.9	20.0	4.6	20.0
Carbon tetrachloride	Ave	0.4489	0.4815	0.1000	21.5	20.0	7.3	20.0
Benzene	Ave	1.359	1.600	0.5000	23.6	20.0	17.8	20.0
Isobutyl alcohol	Ave	0.0253	0.1065		2110	500	321.3*	50.0
1,2-Dichloroethane	Ave	0.4461	0.4469	0.1000	20.0	20.0	0.2	20.0
2,2,4-Trimethylpentane	Ave	0.8833	0.9731		22.0	20.0	10.2	20.0
Tert-amyl methyl ether	Ave	0.8979	0.9495		21.1	20.0	5.7	20.0
Isopropyl acetate	Ave	0.0915	0.0938		20.5	20.0	2.5	20.0
n-Heptane	Ave	0.3984	0.4570		22.9	20.0	14.7	20.0
Trichloroethene	Ave	0.3026	0.3017	0.2000	19.9	20.0	-0.3	20.0
n-Butanol	Ave	0.0924	0.0651		352	500	-29.5	50.0
Methylcyclohexane	Ave	0.4543	0.5193	0.1000	22.9	20.0	14.3	50.0
Ethyl acrylate	Ave	0.6648	0.7264		21.9	20.0	9.3	20.0
1,2-Dichloropropane	Ave	0.2784	0.3063	0.1000	22.0	20.0	10.0	20.0
Dibromomethane	Ave	0.1895	0.1827		19.3	20.0	-3.6	20.0
1,4-Dioxane	Ave	1.006	1.181		470	400	17.4	50.0
Methyl methacrylate	Ave	0.0631	0.0573		36.3	40.0	-9.2	20.0
Dichlorobromomethane	Ave	0.3820	0.3804	0.2000	19.9	20.0	-0.4	20.0
n-Propyl acetate	Ave	0.4002	0.3829		19.1	20.0	-4.3	20.0
2-Nitropropane	Ave	0.0688	0.0333		19.3	40.0	-51.6*	20.0
2-Chloroethyl vinyl ether	Ave	0.0710	0.0604		17.1	20.0	-14.9	20.0
Epichlorohydrin	QuaF		0.0379		442	400	10.6	20.0
cis-1,3-Dichloropropene	Ave	0.4981	0.5514	0.2000	22.1	20.0	10.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.696	2.780	0.0500	103	100	3.1	50.0
Toluene	Ave	1.381	1.537	0.4000	22.3	20.0	11.3	20.0
trans-1,3-Dichloropropene	Ave	0.4263	0.4298	0.1000	20.2	20.0	0.8	50.0
1,1,2-Trichloroethane	Ave	0.2461	0.2650	0.1000	21.5	20.0	7.7	20.0
Ethyl methacrylate	Ave	0.3888	0.4110		21.1	20.0	5.7	20.0
Tetrachloroethene	Ave	0.3651	0.3760	0.2000	20.6	20.0	3.0	20.0
1,3-Dichloropropane	Ave	0.4861	0.5203		21.4	20.0	7.0	20.0
2-Hexanone	Ave	1.559	1.566	0.0500	100	100	0.5	50.0
Chlorodibromomethane	Ave	0.3502	0.3450	0.1000	19.7	20.0	-1.5	50.0
Ethylene Dibromide	Ave	0.3000	0.3156	0.1000	21.0	20.0	5.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665782/2 Calibration Date: 12/30/2019 06:01

Instrument ID: CVOAMS2 Calib Start Date: 12/27/2019 11:43

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 12/27/2019 17:40

Lab File ID: B52960.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Butyl acetate	Ave	0.0662	0.0720		21.7	20.0	8.7	20.0
Chlorobenzene	Ave	0.9130	0.9894	0.5000	21.7	20.0	8.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3582	0.3957		22.1	20.0	10.4	20.0
Ethylbenzene	Ave	0.4859	0.5400	0.1000	22.2	20.0	11.1	20.0
m-Xylene & p-Xylene	Ave	0.5988	0.6688	0.1000	22.3	20.0	11.7	20.0
o-Xylene	Ave	0.6219	0.6879	0.3000	22.1	20.0	10.6	20.0
Styrene	Ave	0.9173	1.016	0.3000	22.1	20.0	10.7	20.0
n-Butyl acrylate	Qua2		0.2154		21.2	20.0	6.2	20.0
Bromoform	Ave	0.2097	0.1940	0.1000	18.5	20.0	-7.5	20.0
Amyl acetate (mixed isomers)	QuaF		1.174		19.8	20.0	-1.1	20.0
Isopropylbenzene	Ave	1.660	1.853	0.1000	22.3	20.0	11.6	20.0
Bromobenzene	Ave	0.7644	0.7263		19.0	20.0	-5.0	20.0
1,2,3-Trichloropropane	Ave	0.2391	0.2255		18.9	20.0	-5.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7871	0.7669	0.3000	19.5	20.0	-2.6	20.0
trans-1,4-Dichloro-2-butene	QuaF		0.1867		19.7	20.0	-1.3	20.0
N-Propylbenzene	Ave	0.8248	0.8248		20.0	20.0	-0.0	20.0
2-Chlorotoluene	Ave	0.7621	0.7466		19.6	20.0	-2.0	20.0
4-Ethyltoluene	Ave	2.971	3.116		21.0	20.0	4.9	20.0
4-Chlorotoluene	Ave	2.401	2.549		21.2	20.0	6.2	20.0
1,3,5-Trimethylbenzene	Ave	2.639	2.724		20.6	20.0	3.2	20.0
Butyl Methacrylate	QuaF		0.7759		23.6	20.0	18.2	20.0
tert-Butylbenzene	Ave	1.381	1.382		20.0	20.0	0.0	20.0
1,2,4-Trimethylbenzene	Ave	2.619	2.767		21.1	20.0	5.6	20.0
sec-Butylbenzene	Ave	3.142	3.238		20.6	20.0	3.0	20.0
1,3-Dichlorobenzene	Ave	1.430	1.438	0.6000	20.1	20.0	0.5	20.0
1,4-Dichlorobenzene	Ave	1.468	1.479	0.5000	20.1	20.0	0.7	20.0
4-Isopropyltoluene	Ave	2.780	2.799		20.1	20.0	0.7	20.0
1,2,3-Trimethylbenzene	Ave	2.833	2.911		20.6	20.0	2.8	20.0
Benzyl chloride	QuaF		0.1815		14.5	20.0	-27.5	50.0
Indan	Ave	2.766	2.877		20.8	20.0	4.0	20.0
1,2-Dichlorobenzene	Ave	1.518	1.536	0.4000	20.2	20.0	1.2	20.0
p-Diethylbenzene	Ave	1.593	1.566		19.7	20.0	-1.7	20.0
n-Butylbenzene	Ave	1.481	1.491		20.1	20.0	0.6	20.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1363	0.0500	15.7	20.0	-21.3	50.0
1,2,4,5-Tetramethylbenzene	Ave	2.843	2.702		19.0	20.0	-4.9	20.0
1,3,5-Trichlorobenzene	Ave	1.195	1.062		17.8	20.0	-11.1	20.0
1,2,4-Trichlorobenzene	Ave	1.026	0.9311	0.2000	18.1	20.0	-9.3	20.0
Hexachlorobutadiene	Ave	0.3924	0.3274		16.7	20.0	-16.6	20.0
Naphthalene	Ave	2.650	2.293		17.3	20.0	-13.5	50.0
1,2,3-Trichlorobenzene	Ave	1.111	0.8729		15.7	20.0	-21.5*	20.0
Dibromofluoromethane (Surr)	Ave	0.3683	0.4003		54.3	50.0	8.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665782/2 Calibration Date: 12/30/2019 06:01

Instrument ID: CVOAMS2 Calib Start Date: 12/27/2019 11:43

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 12/27/2019 17:40

Lab File ID: B52960.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.4450	0.4486		50.4	50.0	0.8	20.0
Toluene-d8 (Surr)	Ave	1.513	1.728		57.1	50.0	14.2	20.0
4-Bromofluorobenzene	Ave	0.4726	0.4782		50.6	50.0	1.2	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52960.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Dec-2019 06:01:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0103638-002
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub73

Method: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jan-2020 10:54:20 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0308

First Level Reviewer: tupayachia Date: 30-Dec-2019 06:20:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.727	0.727	0.000	48	28151	20.0	17.7	
2 Dichlorodifluoromethane	85	0.740	0.740	0.000	76	112840	20.0	18.5	
3 Chloromethane	50	0.813	0.813	0.000	99	136551	20.0	20.7	
4 Butadiene	54	0.855	0.855	0.000	86	77130	20.0	20.6	
5 Vinyl chloride	62	0.862	0.862	0.000	98	91115	20.0	21.7	
6 Bromomethane	94	1.008	1.008	0.000	98	68778	20.0	21.6	
7 Chloroethane	64	1.051	1.051	0.000	98	49810	20.0	21.6	
9 Dichlorofluoromethane	67	1.154	1.154	0.000	98	137368	20.0	21.3	
8 Trichlorofluoromethane	101	1.185	1.185	0.000	97	133553	20.0	21.3	
10 Pentane	72	1.203	1.203	0.000	95	19872	40.0	45.0	
11 Ethanol	46	1.294	1.294	0.000	61	14282	800.0	1290.4	Ma
12 Ethyl ether	59	1.313	1.313	0.000	75	46221	20.0	19.2	
13 2-Methyl-1,3-butadiene	53	1.319	1.319	0.000	95	59495	20.0	20.7	
14 1,2-Dichloro-1,1,2-trifluo	117	1.343	1.343	0.000	90	63987	20.0	21.1	
15 Acrolein	56	1.386	1.386	0.000	86	18984	40.0	43.4	
16 1,1-Dichloroethene	96	1.435	1.435	0.000	96	64876	20.0	22.8	
17 1,1,2-Trichloro-1,2,2-trif	101	1.459	1.459	0.000	77	75502	20.0	24.2	
18 Acetone	43	1.471	1.471	0.000	84	110004	100.0	106.6	
19 Iodomethane	142	1.520	1.520	0.000	99	135591	20.0	22.3	
20 Carbon disulfide	76	1.557	1.557	0.000	100	215616	20.0	22.2	
21 Isopropyl alcohol	45	1.593	1.593	0.000	96	41048	200.0	210.6	
22 3-Chloro-1-propene	76	1.648	1.648	0.000	89	40549	20.0	22.0	
25 Acetonitrile	40	1.648	1.648	0.000	76	68266	200.0	282.1	Ma
24 Methyl acetate	43	1.672	1.672	0.000	99	108418	40.0	42.9	
23 Cyclopentene	67	1.697	1.697	0.000	96	158495	20.0	23.4	
26 Methylene Chloride	84	1.727	1.727	0.000	96	79879	20.0	22.8	
* 27 TBA-d9 (IS)	65	1.806	1.806	0.000	0	258946	1000.0	1000.0	
28 2-Methyl-2-propanol	59	1.855	1.855	0.000	91	60360	200.0	222.0	
31 Acrylonitrile	53	1.892	1.892	0.000	96	246800	200.0	217.4	
30 trans-1,2-Dichloroethene	96	1.904	1.904	0.000	97	69599	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
29 Methyl tert-butyl ether	73	1.922	1.922	0.000	97	182040	20.0	21.8	
32 Hexane	43	2.105	2.105	0.000	92	66762	20.0	23.7	
34 1,1-Dichloroethane	63	2.203	2.203	0.000	99	126571	20.0	22.5	
35 Vinyl acetate	86	2.270	2.270	0.000	100	18739	40.0	43.8	
36 2-Chloro-1,3-butadiene	88	2.270	2.270	0.000	76	59749	20.0	22.4	
33 Isopropyl ether	45	2.294	2.294	0.000	94	259207	20.0	22.8	
37 Tert-butyl ethyl ether	87	2.581	2.581	0.000	90	83324	20.0	23.0	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	291206	250.0	250.0	
38 2,2-Dichloropropane	41	2.666	2.666	0.000	77	74614	20.0	23.4	
40 cis-1,2-Dichloroethene	96	2.666	2.666	0.000	95	73838	20.0	21.6	
41 2-Butanone (MEK)	72	2.703	2.703	0.000	99	28986	100.0	109.5	
44 Propionitrile	54	2.745	2.745	0.000	94	81174	200.0	213.7	
42 Ethyl acetate	70	2.770	2.770	0.000	98	10645	40.0	50.5	
43 Methyl acrylate	85	2.788	2.788	0.000	59	8203	20.0	20.1	
46 Chlorobromomethane	128	2.873	2.873	0.000	91	40167	20.0	19.9	
47 Methacrylonitrile	67	2.873	2.873	0.000	97	232025	200.0	198.7	
45 Tetrahydrofuran	72	2.928	2.928	0.000	87	14513	40.0	44.2	
48 Chloroform	83	2.971	2.971	0.000	98	125153	20.0	21.4	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	96	209757	50.0	54.3	
50 1,1,1-Trichloroethane	97	3.123	3.123	0.000	62	118185	20.0	21.5	
49 Cyclohexane	84	3.172	3.172	0.000	97	99821	20.0	22.4	
53 1,1-Dichloropropene	75	3.276	3.276	0.000	91	86987	20.0	20.9	
52 Carbon tetrachloride	117	3.282	3.282	0.000	88	100906	20.0	21.5	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	235026	50.0	50.4	
55 Benzene	78	3.477	3.477	0.000	96	245445	20.0	23.6	
56 Isobutyl alcohol	74	3.483	3.483	0.000	30	13794	500.0	2106.7	
60 1,2-Dichloroethane	62	3.507	3.507	0.000	96	93667	20.0	20.0	
54 Isooctane	57	3.605	3.605	0.000	95	203939	20.0	22.0	
59 Tert-amyl methyl ether	73	3.654	3.654	0.000	84	199001	20.0	21.1	
61 Isopropyl acetate	61	3.672	3.672	0.000	91	19649	20.0	20.5	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	523951	50.0	50.0	
62 n-Heptane	43	3.849	3.849	0.000	95	95778	20.0	22.9	
64 Trichloroethene	95	4.227	4.227	0.000	97	63229	20.0	19.9	
66 Methylcyclohexane	83	4.446	4.446	0.000	87	108844	20.0	22.9	
65 n-Butanol	43	4.385	4.385	0.000	1	8434	500.0	352.4	a
67 Ethyl acrylate	55	4.452	4.452	0.000	93	152237	20.0	21.9	
69 1,2-Dichloropropane	63	4.489	4.489	0.000	91	64197	20.0	22.0	
72 Dibromomethane	93	4.635	4.635	0.000	44	38279	20.0	19.3	
* 70 1,4-Dioxane-d8	96	4.666	4.666	0.000	0	25036	1000.0	1000.0	
73 1,4-Dioxane	88	4.733	4.733	0.000	26	11827	400.0	469.6	
71 Methyl methacrylate	100	4.751	4.751	0.000	94	24025	40.0	36.3	
74 n-Propyl acetate	43	4.885	4.885	0.000	83	80257	20.0	19.1	
75 Dichlorobromomethane	83	4.885	4.885	0.000	98	79731	20.0	19.9	
76 2-Nitropropane	41	5.208	5.208	0.000	53	13951	40.0	19.3	
77 2-Chloroethyl vinyl ether	63	5.385	5.385	0.000	92	12691	20.0	17.1	
78 Epichlorohydrin	62	5.422	5.422	0.000	99	17667	400.0	442.5	
79 cis-1,3-Dichloropropene	75	5.531	5.531	0.000	98	84578	20.0	22.1	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	98	323868	100.0	103.1	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	662483	50.0	57.1	
82 Toluene	91	6.007	6.007	0.000	93	235816	20.0	22.3	
83 trans-1,3-Dichloropropene	75	6.446	6.446	0.000	97	65930	20.0	20.2	
86 1,1,2-Trichloroethane	83	6.720	6.720	0.000	92	40650	20.0	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Ethyl methacrylate	69	6.726	6.726	0.000	91	63050	20.0	21.1	
85 Tetrachloroethene	166	6.885	6.885	0.000	92	57672	20.0	20.6	
87 1,3-Dichloropropane	76	6.976	6.976	0.000	97	79806	20.0	21.4	
88 2-Hexanone	43	7.263	7.263	0.000	98	182437	100.0	100.5	
89 Chlorodibromomethane	129	7.342	7.342	0.000	98	52928	20.0	19.7	
91 Ethylene Dibromide	107	7.476	7.476	0.000	98	48416	20.0	21.0	
90 n-Butyl acetate	73	7.604	7.604	0.000	96	11045	20.0	21.7	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	87	383488	50.0	50.0	
93 Chlorobenzene	112	8.427	8.427	0.000	94	151774	20.0	21.7	
95 1,1,1,2-Tetrachloroethane	131	8.653	8.653	0.000	92	60692	20.0	22.1	
94 Ethylbenzene	106	8.732	8.732	0.000	99	82826	20.0	22.2	
96 m-Xylene & p-Xylene	106	8.970	8.970	0.000	0	102590	20.0	22.3	
97 o-Xylene	106	9.683	9.683	0.000	93	105516	20.0	22.1	
99 Styrene	104	9.726	9.726	0.000	96	155805	20.0	22.1	
98 n-Butyl acrylate	73	9.884	9.884	0.000	95	33043	20.0	21.2	
100 Bromoform	173	9.963	9.963	0.000	94	29758	20.0	18.5	
101 Amyl acetate (mixed isomer	43	10.347	10.347	0.000	88	103612	20.0	19.8	
102 Isopropylbenzene	105	10.396	10.396	0.000	96	284209	20.0	22.3	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	86	183386	50.0	50.6	
104 Bromobenzene	156	10.793	10.793	0.000	97	64112	20.0	19.0	
107 1,2,3-Trichloropropane	110	10.994	10.994	0.000	96	19908	20.0	18.9	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	97	67693	20.0	19.5	
108 trans-1,4-Dichloro-2-buten	53	11.103	11.103	0.000	83	16481	20.0	19.7	
106 N-Propylbenzene	120	11.128	11.128	0.000	99	72803	20.0	20.0	
109 2-Chlorotoluene	126	11.183	11.183	0.000	98	65902	20.0	19.6	
110 4-Ethyltoluene	105	11.347	11.347	0.000	98	275048	20.0	21.0	
112 4-Chlorotoluene	91	11.390	11.390	0.000	98	225039	20.0	21.2	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	92	240454	20.0	20.6	
113 Butyl Methacrylate	87	11.841	11.841	0.000	98	68494	20.0	23.6	
114 tert-Butylbenzene	91	12.036	12.036	0.000	94	122026	20.0	20.0	
115 1,2,4-Trimethylbenzene	105	12.134	12.134	0.000	98	244225	20.0	21.1	
116 sec-Butylbenzene	105	12.487	12.487	0.000	99	285810	20.0	20.6	
117 1,3-Dichlorobenzene	146	12.579	12.579	0.000	95	126913	20.0	20.1	
* 119 1,4-Dichlorobenzene-d4	152	12.713	12.713	0.000	97	220680	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.756	12.756	0.000	94	130530	20.0	20.1	
118 4-Isopropyltoluene	119	12.804	12.804	0.000	98	247112	20.0	20.1	
121 1,2,3-Trimethylbenzene	105	12.890	12.890	0.000	99	256969	20.0	20.6	
122 Benzyl chloride	126	12.993	12.993	0.000	98	16021	20.0	14.5	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	94	253915	20.0	20.8	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	95	135581	20.0	20.2	
124 p-Diethylbenzene	105	13.286	13.286	0.000	93	138272	20.0	19.7	
125 n-Butylbenzene	92	13.310	13.310	0.000	98	131573	20.0	20.1	
128 1,2-Dibromo-3-Chloropropan	75	13.950	13.950	0.000	89	12035	20.0	15.7	
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	97	238530	20.0	19.0	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	97	93777	20.0	17.8	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	94	82190	20.0	18.1	
131 Hexachlorobutadiene	225	14.664	14.664	0.000	93	28899	20.0	16.7	
132 Naphthalene	128	14.682	14.682	0.000	99	202373	20.0	17.3	
133 1,2,3-Trichlorobenzene	180	14.834	14.834	0.000	95	77054	20.0	15.7	
S 134 1,2-Dichloroethene, Total	100				0		40.0	43.9	
S 135 Xylenes, Total	100				0		40.0	44.5	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	20.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
524freon_00016	Amount Added:	20.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 02-Jan-2020 10:54:23 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52960.D

Injection Date: 30-Dec-2019 06:01:30 Instrument ID: CVOAMS2 Operator ID:

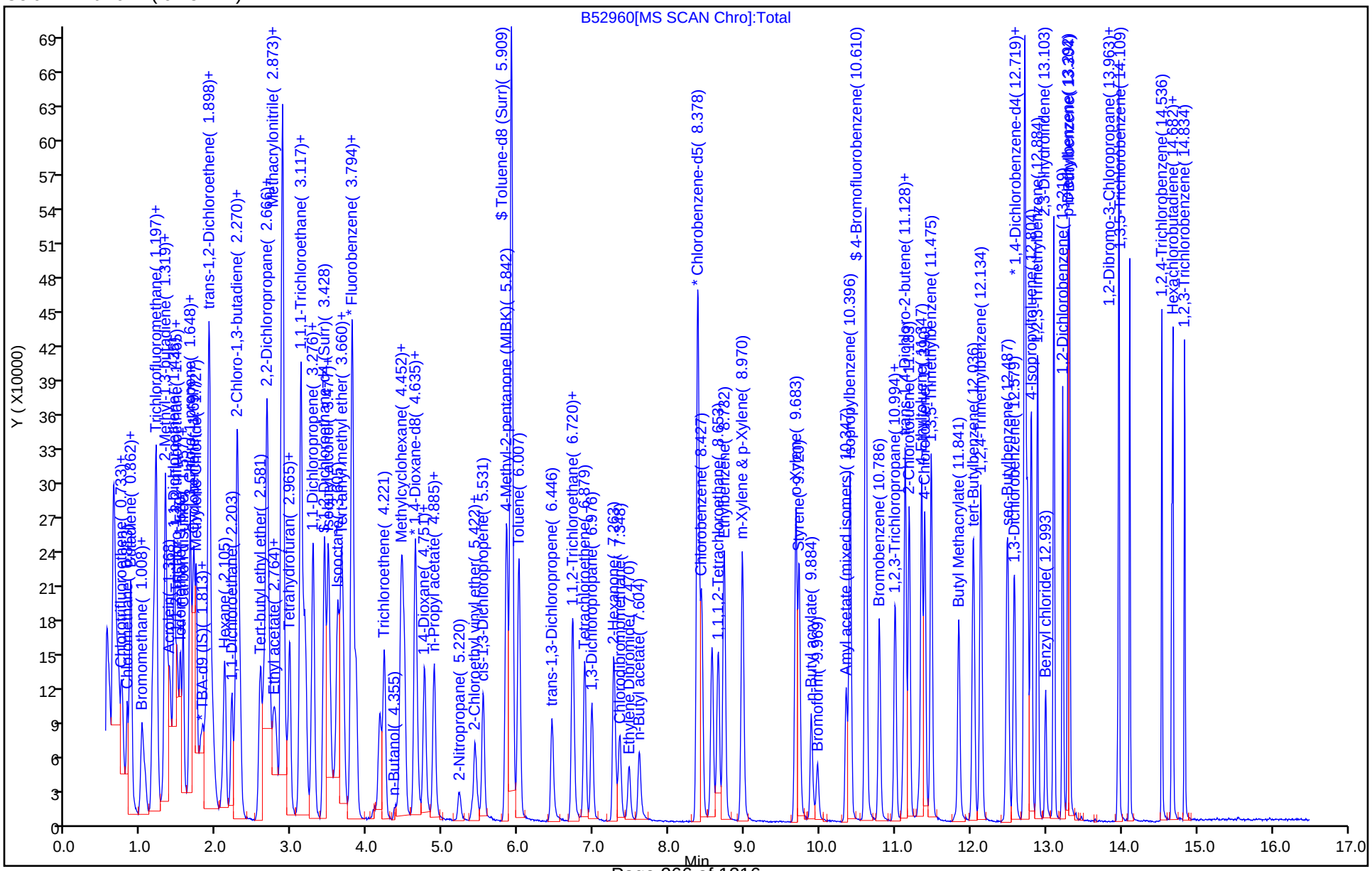
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

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

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

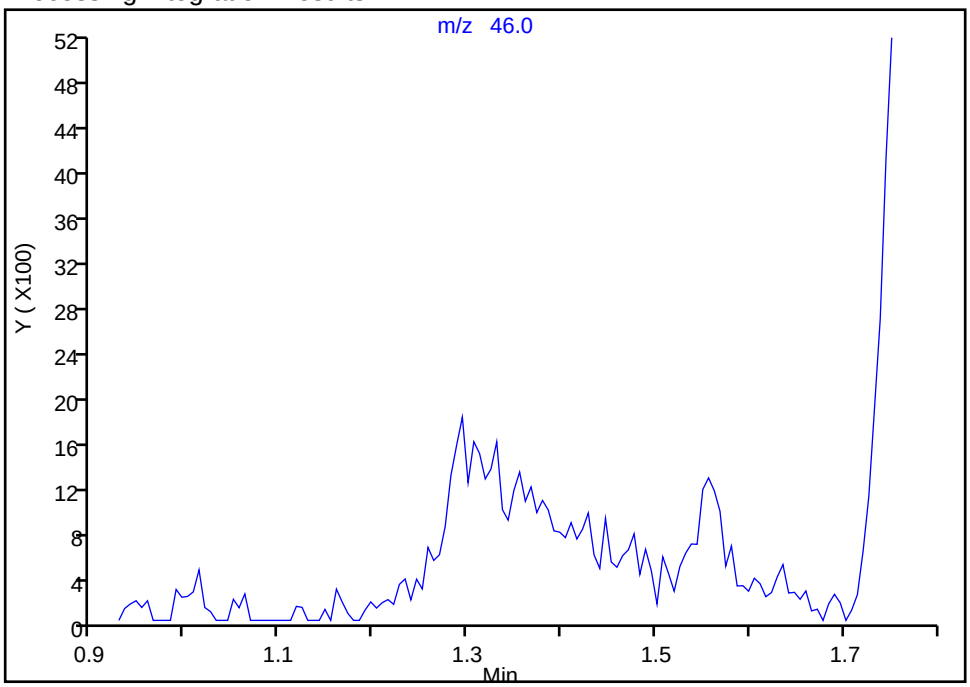
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52960.D
Injection Date: 30-Dec-2019 06:01:30 Instrument ID: CVOAMS2
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

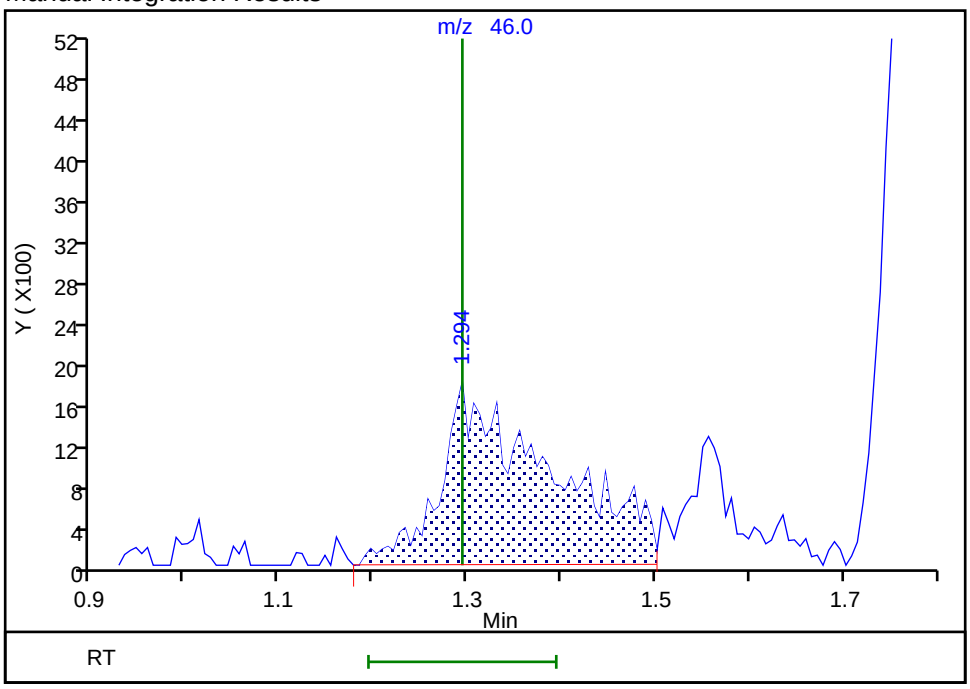
Not Detected
Expected RT: 1.29

Processing Integration Results



Manual Integration Results

RT: 1.29
Area: 14282
Amount: 1290.4156
Amount Units: ug/l



Reviewer: xuyvo, 02-Jan-2020 10:52:49
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

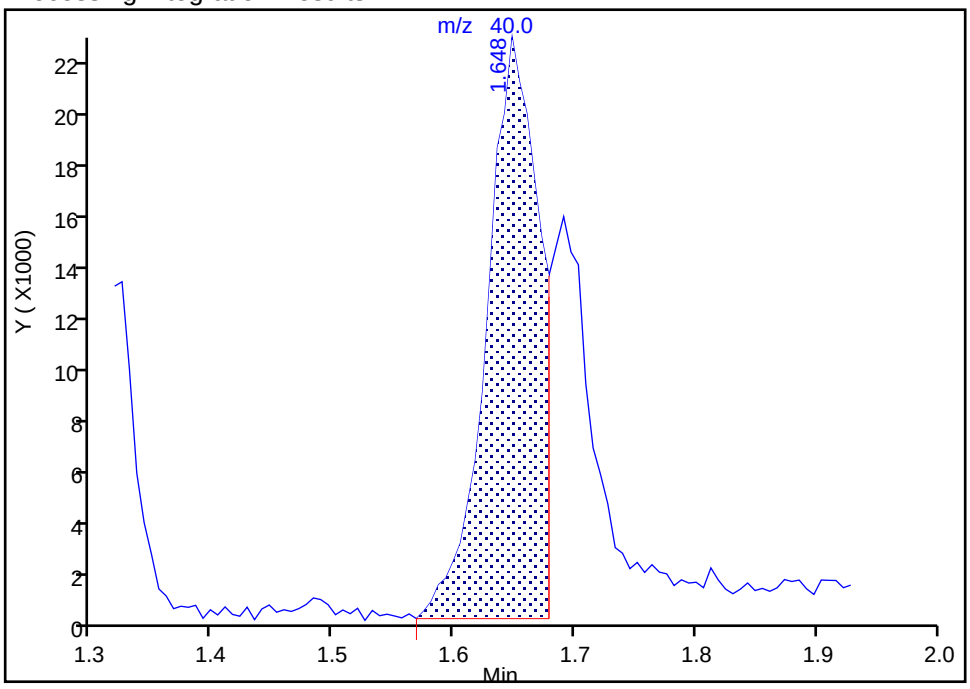
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52960.D		
Injection Date:	30-Dec-2019 06:01:30	Instrument ID:	CVOAMS2
Lims ID:	CCVIS		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

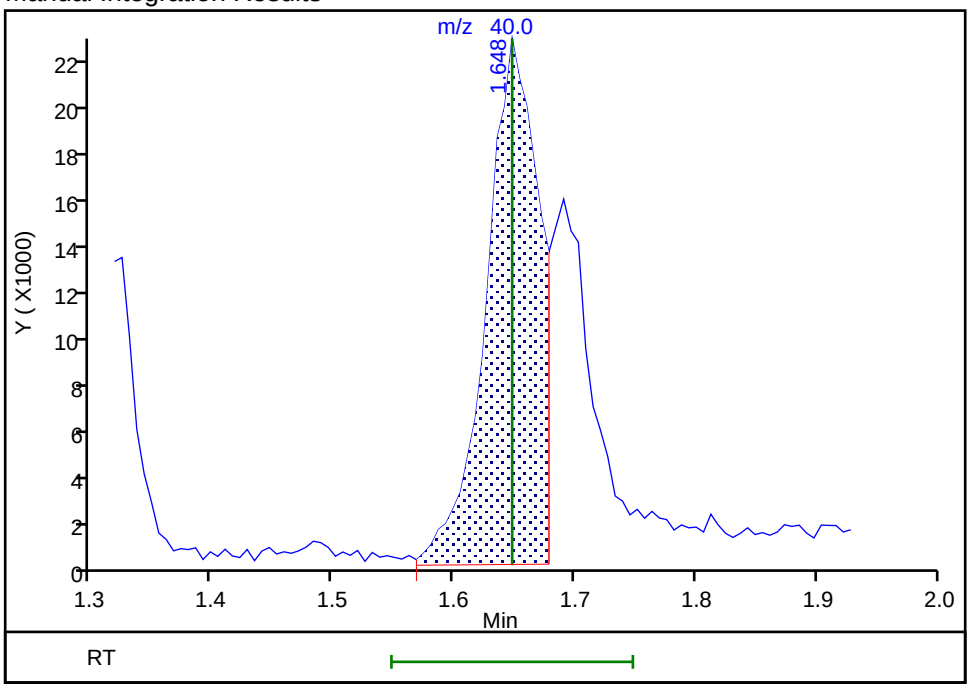
Processing Integration Results

RT: 1.65
Area: 66828
Amount: 724.0798
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 68266
Amount: 282.1387
Amount Units: ug/l



Reviewer: xuyvo, 02-Jan-2020 10:53:15
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

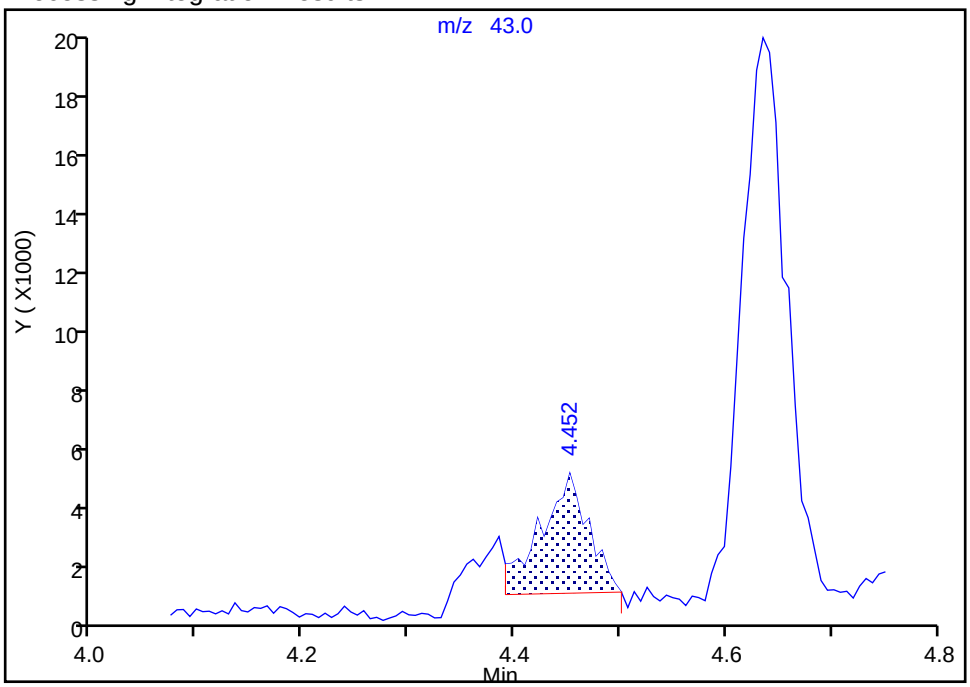
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52960.D
Injection Date: 30-Dec-2019 06:01:30 Instrument ID: CVOAMS2
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

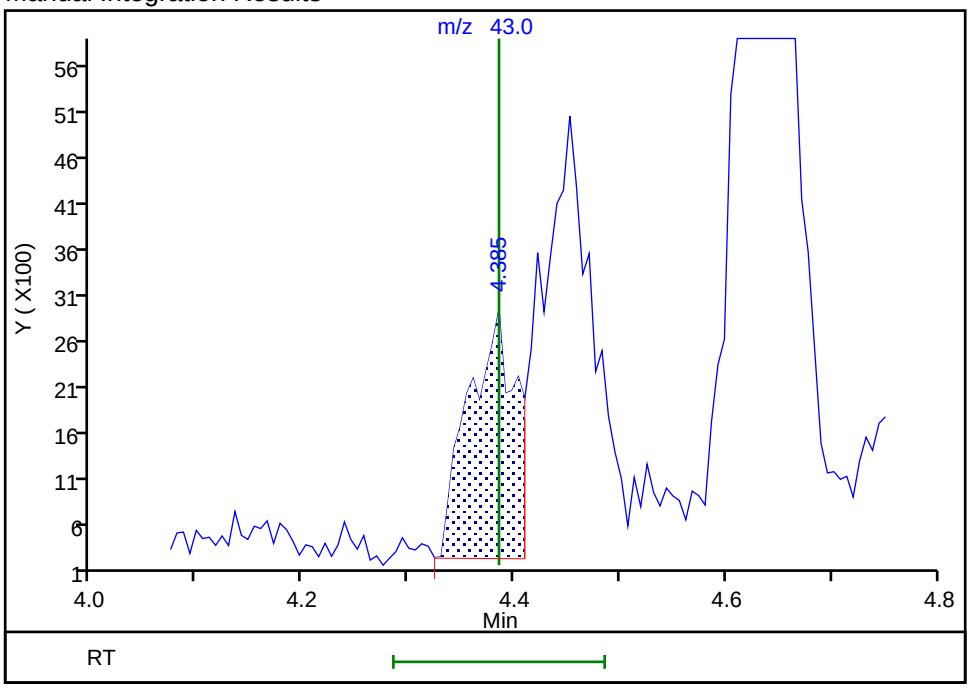
Processing Integration Results

RT: 4.45
Area: 12493
Amount: 521.9379
Amount Units: ug/l



Manual Integration Results

RT: 4.39
Area: 8434
Amount: 352.3593
Amount Units: ug/l



Reviewer: xuyvo, 02-Jan-2020 10:53:38
Audit Action: Assigned Compound ID Audit Reason: Shouldering

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52882.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Dec-2019 10:33:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0103524-001				
Operator ID:		Instrument ID:	CVOAMS2		
Method:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\8260W_2.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	29-Dec-2019 05:56:34	Calib Date:	27-Dec-2019 17:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0320				
First Level Reviewer: tupayachia		Date:	27-Dec-2019 10:40:40		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 136 BFB	95	1.974	1.974	0.000	82	54587	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

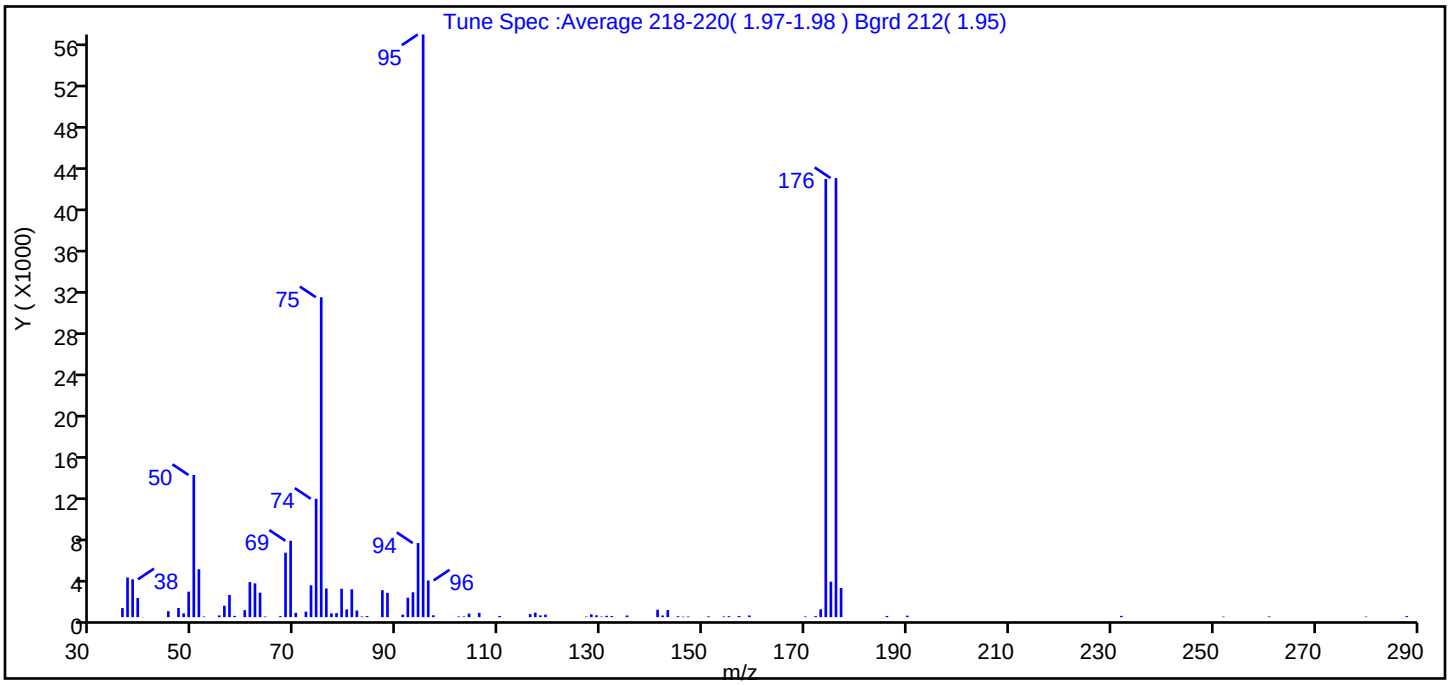
BFB_00024 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52882.D
Injection Date: 27-Dec-2019 10:33:30 Instrument ID: CVOAMS2
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 136 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.4
75	30 to 60% of m/z 95	54.9
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	1.4 (1.8)
174	50 to 120% of m/z 95	75.2
175	5 to 9% of m/z 174	6.1 (8.1)
176	Greater than 95% but less than 101% of m/z 174	75.4 (100.2)
177	5 to 9% of m/z 176	5.0 (6.6)

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52882.D\8260W_2.rslt\spectra.d
Injection Date: 27-Dec-2019 10:33:30
Spectrum: Tune Spec :Average 218-220(1.97-1.98) Bgrd 212(1.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	878	68.00	6258	95.00	56536	145.00	92
37.00	3845	69.00	7414	96.00	3561	146.00	52
38.00	3671	70.00	410	97.00	181	147.00	64
39.00	1859	72.00	535	102.00	63	151.00	78
40.00	21	73.00	3093	103.00	62	154.00	65
45.00	577	74.00	11485	104.00	340	155.00	95
47.00	889	75.00	31040	106.00	416	157.00	114
48.00	361	76.00	2781	110.00	117	159.00	165
49.00	2473	77.00	366	116.00	301	170.00	66
50.00	13792	78.00	392	117.00	441	172.00	101
51.00	4646	79.00	2758	118.00	170	173.00	764
52.00	64	80.00	748	119.00	247	174.00	42512
55.00	166	81.00	2701	127.00	54	175.00	3441
56.00	1105	82.00	645	128.00	269	176.00	42600
57.00	2151	83.00	62	129.00	181	177.00	2826
58.00	125	84.00	108	130.00	53	186.00	115
60.00	680	87.00	2617	131.00	129	190.00	144
61.00	3402	88.00	2352	132.00	107	232.00	125
62.00	3276	91.00	242	135.00	163	252.00	55
63.00	2374	92.00	1881	141.00	719	261.00	70
64.00	64	93.00	2414	142.00	161	280.00	53
67.00	98	94.00	7188	143.00	682	288.00	101

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52959.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	30-Dec-2019 05:38:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0103638-001				
Operator ID:		Instrument ID:	CVOAMS2		
Method:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	30-Dec-2019 19:47:40	Calib Date:	27-Dec-2019 17:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0317				
First Level Reviewer: tupayachia		Date:	30-Dec-2019 05:45:15		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 136 BFB	95	1.978	1.978	0.000	82	72125	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

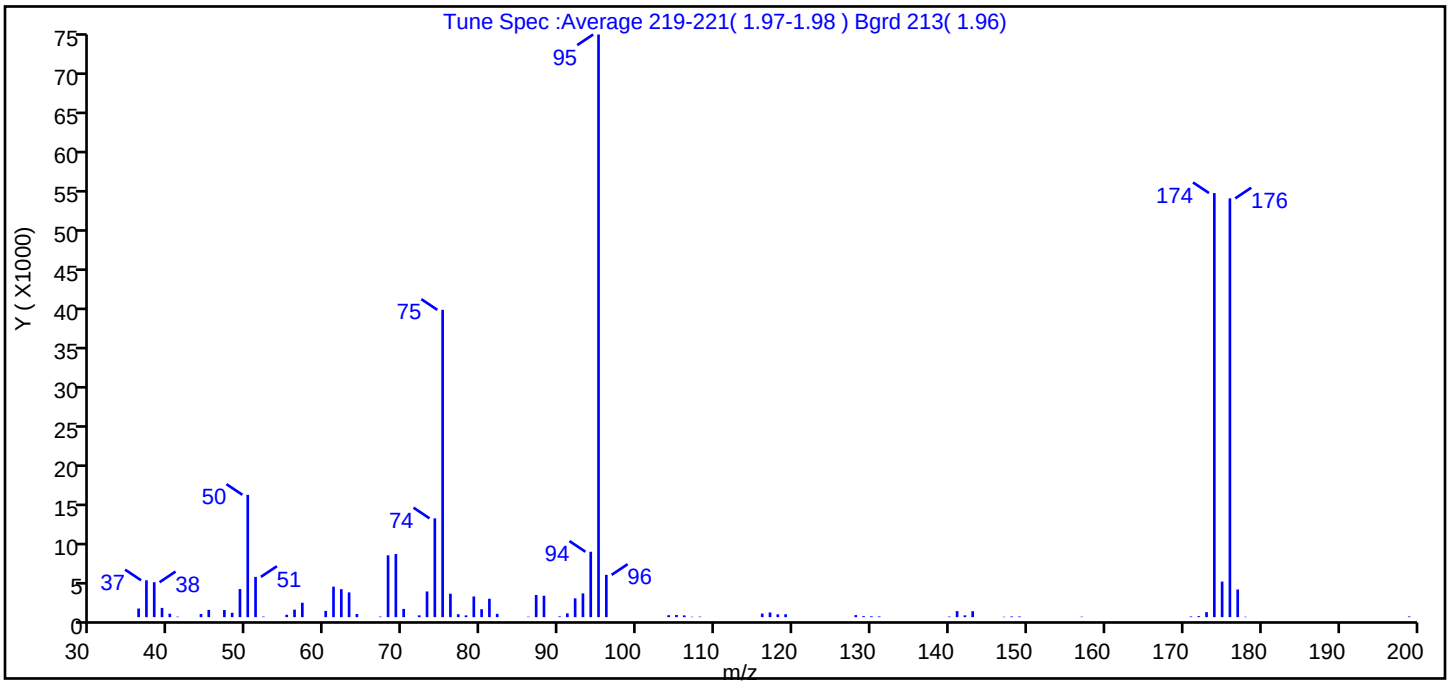
BFB_00024 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52959.D
Injection Date: 30-Dec-2019 05:38:30 Instrument ID: CVOAMS2
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 136 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.0
75	30 to 60% of m/z 95	52.7
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.9 (1.2)
174	50 to 120% of m/z 95	72.8
175	5 to 9% of m/z 174	6.1 (8.4)
176	Greater than 95% but less than 101% of m/z 174	71.9 (98.8)
177	5 to 9% of m/z 176	4.7 (6.6)

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52959.D\8260W_2.rslt\spectra.d
Injection Date: 30-Dec-2019 05:38:30
Spectrum: Tune Spec :Average 219-221(1.97-1.98) Bgrd 213(1.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1098	63.00	3150	90.00	93	140.00	74
37.00	4687	64.00	397	91.00	480	141.00	769
38.00	4441	67.00	70	92.00	2391	142.00	231
39.00	1175	68.00	7865	93.00	3020	143.00	755
40.00	439	69.00	8022	94.00	8319	147.00	50
41.00	60	70.00	1051	95.00	74096	148.00	88
44.00	404	72.00	228	96.00	5379	149.00	85
45.00	922	73.00	3267	104.00	247	157.00	55
47.00	910	74.00	12565	105.00	273	171.00	88
48.00	558	75.00	39080	106.00	226	172.00	128
49.00	3572	76.00	2977	107.00	52	173.00	638
50.00	15555	77.00	362	108.00	64	174.00	53928
51.00	5119	78.00	226	116.00	453	175.00	4524
52.00	70	79.00	2628	117.00	594	176.00	53256
55.00	303	80.00	1010	118.00	355	177.00	3517
56.00	957	81.00	2337	119.00	368	178.00	52
57.00	1831	82.00	421	128.00	258	199.00	89
60.00	795	86.00	57	129.00	123		
61.00	3876	87.00	2811	130.00	102		
62.00	3559	88.00	2727	131.00	90		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665782/8

Matrix: Water Lab File ID: B52966.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 08:24

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665782/8

Matrix: Water Lab File ID: B52966.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 08:24

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	107		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665782/8

Matrix: Water Lab File ID: B52966.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 08:24

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.: 665782 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260C

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52966.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 30-Dec-2019 08:24:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0103638-008
Operator ID: Instrument ID: CVOAMS2

Method: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jan-2020 10:57:33 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0308

First Level Reviewer: asfawa Date: 31-Dec-2019 20:54:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	1.801	1.806	-0.005	0	323130	1000.0	1000.0	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	333363	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	3.111	3.117	-0.006	96	203468	50.0	51.5	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.422	3.428	-0.006	0	234994	50.0	49.3	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	535936	50.0	50.0	
* 70 1,4-Dioxane-d8	96	4.654	4.666	-0.012	0	28412	1000.0	1000.0	
$ 81 Toluene-d8 (Surr)	98	5.903	5.909	-0.006	98	652456	50.0	53.3	
* 92 Chlorobenzene-d5	117	8.379	8.378	0.000	88	404360	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	87	186462	50.0	48.8	
* 119 1,4-Dichlorobenzene-d4	152	12.713	12.713	0.000	97	227286	50.0	50.0	

Reagents:

8260ISNEW_00092 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00202 Amount Added: 1.00 Units: uL Run Reagent

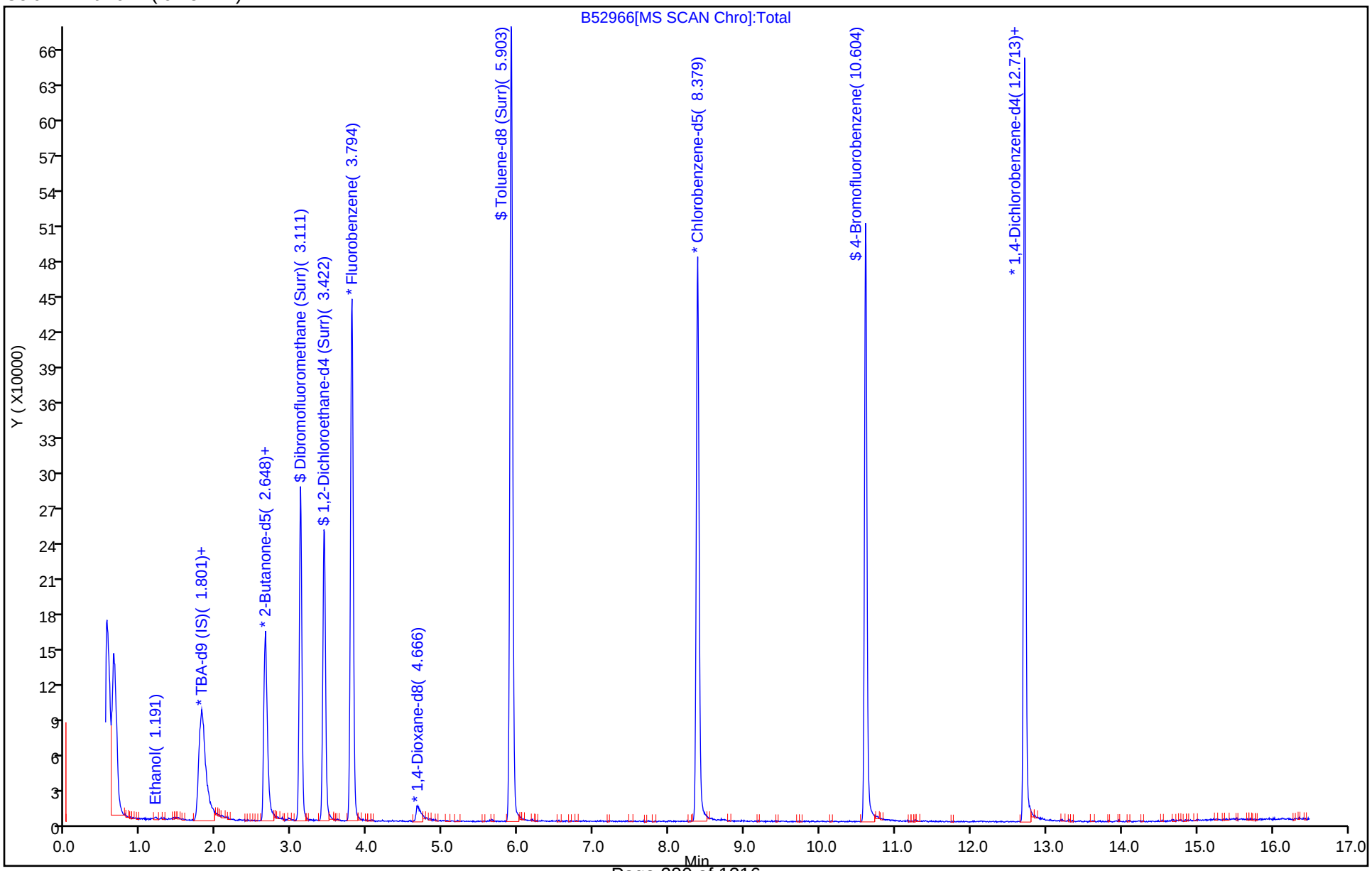
Report Date: 02-Jan-2020 10:58:54 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52966.D

Injection Date:	30-Dec-2019 08:24:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665782/3

Matrix: Water Lab File ID: B52961.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 06:25

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.8		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.2		1.0	0.43
75-34-3	1,1-Dichloroethane	21.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.5		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	15.6		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	17.6		1.0	0.37
78-87-5	1,2-Dichloropropane	22.2		1.0	0.35
541-73-1	1,3-Dichlorobenzene	18.7		1.0	0.34
106-46-7	1,4-Dichlorobenzene	19.0		1.0	0.33
123-91-1	1,4-Dioxane	472		50	28
78-93-3	2-Butanone (MEK)	110		5.0	1.9
591-78-6	2-Hexanone	99.8		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	98.3		5.0	1.3
67-64-1	Acetone	98.6		5.0	4.4
71-43-2	Benzene	20.5		1.0	0.20
75-25-2	Bromoform	18.2		1.0	0.54
74-83-9	Bromomethane	20.6		1.0	0.55
75-15-0	Carbon disulfide	20.9		1.0	0.82
56-23-5	Carbon tetrachloride	20.3		1.0	0.21
108-90-7	Chlorobenzene	20.7		1.0	0.38
74-97-5	Chlorobromomethane	19.3		1.0	0.41
124-48-1	Chlorodibromomethane	19.1		1.0	0.28
75-00-3	Chloroethane	21.1		1.0	0.32
67-66-3	Chloroform	21.0		1.0	0.33
74-87-3	Chloromethane	20.2		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.3		1.0	0.22
110-82-7	Cyclohexane	22.4		1.0	0.32
75-27-4	Dichlorobromomethane	19.8		1.0	0.34
75-71-8	Dichlorodifluoromethane	17.3		1.0	0.31
100-41-4	Ethylbenzene	20.1		1.0	0.30
106-93-4	Ethylene Dibromide	20.8		1.0	0.50
98-82-8	Isopropylbenzene	20.6		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665782/3

Matrix: Water Lab File ID: B52961.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 06:25

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.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	46.3		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.2		1.0	0.47
108-87-2	Methylcyclohexane	22.1		1.0	0.26
75-09-2	Methylene Chloride	21.2		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	21.0		1.0	0.30
95-47-6	o-Xylene	20.5		1.0	0.36
100-42-5	Styrene	21.1		1.0	0.42
127-18-4	Tetrachloroethene	19.1		1.0	0.25
108-88-3	Toluene	20.7		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.5		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.5		1.0	0.49
79-01-6	Trichloroethene	19.9		1.0	0.31
75-69-4	Trichlorofluoromethane	20.7		1.0	0.32
75-01-4	Vinyl chloride	20.8		1.0	0.17
107-06-2	1,2-Dichloroethane	19.8		1.0	0.43
95-50-1	1,2-Dichlorobenzene	18.7		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		74-132
460-00-4	4-Bromofluorobenzene	101		77-124
1868-53-7	Dibromofluoromethane (Surr)	107		72-131
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52961.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-Dec-2019 06:25:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0103638-003
Operator ID: Instrument ID: CVOAMS2

Method: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jan-2020 10:55:25 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0308

First Level Reviewer: tupayachia Date: 30-Dec-2019 07:12:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.727	0.727	0.000	81	25681	20.0	16.8	
2 Dichlorodifluoromethane	85	0.740	0.740	0.000	96	101048	20.0	17.3	
3 Chloromethane	50	0.819	0.813	0.006	99	127867	20.0	20.2	
4 Butadiene	54	0.861	0.855	0.006	86	72543	20.0	20.2	
5 Vinyl chloride	62	0.868	0.862	0.006	98	83448	20.0	20.8	
6 Bromomethane	94	1.014	1.008	0.006	98	62807	20.0	20.6	
7 Chloroethane	64	1.050	1.051	0.000	96	46396	20.0	21.1	
9 Dichlorofluoromethane	67	1.160	1.154	0.006	98	127986	20.0	20.8	
8 Trichlorofluoromethane	101	1.185	1.185	0.000	97	123700	20.0	20.7	
10 Pentane	72	1.197	1.203	-0.006	96	18162	40.0	37.0	
11 Ethanol	46	1.306	1.294	0.012	81	9625	800.0	777.8	M
12 Ethyl ether	59	1.313	1.313	0.000	87	43649	20.0	18.9	
13 2-Methyl-1,3-butadiene	53	1.325	1.319	0.006	95	55349	20.0	20.2	
14 1,2-Dichloro-1,1,2-trifluo	117	1.343	1.343	0.000	93	56738	20.0	19.5	
15 Acrolein	56	1.386	1.386	0.000	56	19024	40.0	39.1	
16 1,1-Dichloroethene	96	1.441	1.435	0.006	96	58482	20.0	21.5	
17 1,1,2-Trichloro-1,2,2-trif	101	1.465	1.459	0.006	64	69570	20.0	23.3	
18 Acetone	43	1.471	1.471	0.000	83	115216	100.0	98.6	
19 Iodomethane	142	1.520	1.520	0.000	99	119490	20.0	20.5	
20 Carbon disulfide	76	1.556	1.557	0.000	100	194592	20.0	20.9	
21 Isopropyl alcohol	45	1.593	1.593	0.000	96	48711	200.0	224.8	
22 3-Chloro-1-propene	76	1.654	1.648	0.006	89	36836	20.0	20.9	
25 Acetonitrile	40	1.654	1.648	0.006	77	63344	200.0	273.6	Ma
24 Methyl acetate	43	1.672	1.672	0.000	99	111852	40.0	46.3	
23 Cyclopentene	67	1.703	1.697	0.006	96	148307	20.0	22.9	
26 Methylene Chloride	84	1.733	1.727	0.006	98	71001	20.0	21.2	
* 27 TBA-d9 (IS)	65	1.806	1.806	0.000	0	287903	1000.0	1000.0	
28 2-Methyl-2-propanol	59	1.849	1.855	-0.006	91	66453	200.0	219.9	
31 Acrylonitrile	53	1.892	1.892	0.000	94	251014	200.0	231.0	
30 trans-1,2-Dichloroethene	96	1.904	1.904	0.000	96	64196	20.0	21.5	
29 Methyl tert-butyl ether	73	1.922	1.922	0.000	96	168859	20.0	21.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	2.099	2.105	-0.006	95	61153	20.0	22.7	
34 1,1-Dichloroethane	63	2.203	2.203	0.000	99	117104	20.0	21.7	
35 Vinyl acetate	86	2.264	2.270	-0.006	100	17742	40.0	37.3	
36 2-Chloro-1,3-butadiene	88	2.270	2.270	0.000	91	55867	20.0	21.9	
33 Isopropyl ether	45	2.294	2.294	0.000	92	238471	20.0	22.0	
37 Tert-butyl ethyl ether	87	2.587	2.581	0.006	90	75546	20.0	21.8	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	329751	250.0	250.0	
38 2,2-Dichloropropane	41	2.672	2.666	0.006	71	74050	20.0	24.3	
40 cis-1,2-Dichloroethene	96	2.666	2.666	0.000	94	66202	20.0	20.2	
41 2-Butanone (MEK)	72	2.703	2.703	0.000	98	32831	100.0	109.6	
44 Propionitrile	54	2.745	2.745	0.000	94	82693	200.0	195.8	
42 Ethyl acetate	70	2.782	2.770	0.012	98	10364	40.0	43.4	
43 Methyl acrylate	85	2.788	2.788	0.000	49	8579	20.0	22.0	
46 Chlorobromomethane	128	2.873	2.873	0.000	49	37259	20.0	19.3	
47 Methacrylonitrile	67	2.873	2.873	0.000	97	237147	200.0	212.2	
45 Tetrahydrofuran	72	2.928	2.928	0.000	89	15532	40.0	41.7	
48 Chloroform	83	2.971	2.971	0.000	97	117608	20.0	21.0	
$ 51 Dibromofluoromethane (Surr	113	3.117	3.117	0.000	96	196932	50.0	53.3	
50 1,1,1-Trichloroethane	97	3.117	3.123	-0.006	59	104064	20.0	19.8	
49 Cyclohexane	84	3.172	3.172	0.000	94	95645	20.0	22.4	
53 1,1-Dichloropropene	75	3.276	3.276	0.000	90	80779	20.0	20.3	
52 Carbon tetrachloride	117	3.276	3.282	-0.006	79	91291	20.0	20.3	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	234685	50.0	52.6	
55 Benzene	78	3.477	3.477	0.000	97	221492	20.0	20.5	
56 Isobutyl alcohol	74	3.483	3.483	0.000	30	12917	500.0	1774.3	
60 1,2-Dichloroethane	62	3.513	3.507	0.006	97	88646	20.0	19.8	
54 Isooctane	57	3.611	3.605	0.006	96	191003	20.0	21.6	
59 Tert-amyl methyl ether	73	3.660	3.654	0.006	82	195913	20.0	21.8	
61 Isopropyl acetate	61	3.666	3.672	-0.006	91	20719	20.0	22.6	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	501406	50.0	50.0	
62 n-Heptane	43	3.836	3.849	-0.013	97	89507	20.0	22.4	
64 Trichloroethene	95	4.221	4.227	-0.006	98	60488	20.0	19.9	
65 n-Butanol	43	4.379	4.385	-0.006	82	11370	500.0	427.2	a
66 Methylcyclohexane	83	4.446	4.446	0.000	88	100753	20.0	22.1	
67 Ethyl acrylate	55	4.458	4.452	0.006	96	144044	20.0	21.6	
69 1,2-Dichloropropane	63	4.483	4.489	-0.006	91	61856	20.0	22.2	
72 Dibromomethane	93	4.635	4.635	0.000	95	37458	20.0	19.7	
* 70 1,4-Dioxane-d8	96	4.666	4.666	0.000	0	30080	1000.0	1000.0	M
73 1,4-Dioxane	88	4.733	4.733	0.000	88	14288	400.0	472.2	
71 Methyl methacrylate	100	4.757	4.751	0.006	94	27134	40.0	42.9	
74 n-Propyl acetate	43	4.879	4.885	-0.006	98	88649	20.0	22.1	
75 Dichlorobromomethane	83	4.885	4.885	0.000	98	75741	20.0	19.8	
76 2-Nitropropane	41	5.226	5.208	0.018	99	25497	40.0	37.0	M
77 2-Chloroethyl vinyl ether	63	5.391	5.385	0.006	90	13597	20.0	19.1	
78 Epichlorohydrin	62	5.434	5.422	0.012	99	20556	400.0	454.1	
79 cis-1,3-Dichloropropene	75	5.537	5.531	0.006	98	84422	20.0	21.3	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	98	349616	100.0	98.3	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	652974	50.0	54.2	
82 Toluene	91	6.007	6.007	0.000	93	227152	20.0	20.7	
83 trans-1,3-Dichloropropene	75	6.446	6.446	0.000	96	72903	20.0	21.5	
86 1,1,2-Trichloroethane	83	6.714	6.720	-0.006	90	41532	20.0	21.2	
84 Ethyl methacrylate	69	6.726	6.726	0.000	87	64886	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	6.885	6.885	0.000	92	55604	20.0	19.1	
87 1,3-Dichloropropane	76	6.976	6.976	0.000	97	82735	20.0	21.4	
88 2-Hexanone	43	7.263	7.263	0.000	98	205064	100.0	99.8	
89 Chlorodibromomethane	129	7.348	7.342	0.006	98	53191	20.0	19.1	
91 Ethylene Dibromide	107	7.464	7.476	-0.012	99	49740	20.0	20.8	
90 n-Butyl acetate	73	7.598	7.604	-0.006	97	12231	20.0	23.2	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	88	398070	50.0	50.0	
93 Chlorobenzene	112	8.427	8.427	0.000	95	150580	20.0	20.7	
95 1,1,1,2-Tetrachloroethane	131	8.647	8.653	-0.007	92	54818	20.0	19.2	
94 Ethylbenzene	106	8.732	8.732	0.000	99	77721	20.0	20.1	
96 m-Xylene & p-Xylene	106	8.970	8.970	0.000	0	99942	20.0	21.0	
97 o-Xylene	106	9.683	9.683	0.000	93	101536	20.0	20.5	
99 Styrene	104	9.726	9.726	0.000	96	153853	20.0	21.1	
98 n-Butyl acrylate	73	9.884	9.884	0.000	95	36154	20.0	22.4	
100 Bromoform	173	9.969	9.963	0.006	94	30449	20.0	18.2	
101 Amyl acetate (mixed isomer	43	10.347	10.347	0.000	88	107212	20.0	19.9	
102 Isopropylbenzene	105	10.402	10.396	0.006	96	272116	20.0	20.6	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	86	189983	50.0	50.5	
104 Bromobenzene	156	10.786	10.793	-0.006	97	62879	20.0	18.1	
107 1,2,3-Trichloropropane	110	10.988	10.994	-0.006	87	21508	20.0	19.8	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	94	73776	20.0	20.6	
108 trans-1,4-Dichloro-2-buten	53	11.103	11.103	0.000	80	18299	20.0	21.3	
106 N-Propylbenzene	120	11.128	11.128	0.000	99	70504	20.0	18.8	
109 2-Chlorotoluene	126	11.183	11.183	0.000	98	62633	20.0	18.1	
110 4-Ethyltoluene	105	11.347	11.347	0.000	99	263464	20.0	19.5	
112 4-Chlorotoluene	91	11.390	11.390	0.000	98	221308	20.0	20.3	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	92	229015	20.0	19.1	
113 Butyl Methacrylate	87	11.841	11.841	0.000	99	69076	20.0	23.2	
114 tert-Butylbenzene	91	12.036	12.036	0.000	93	120309	20.0	19.2	
115 1,2,4-Trimethylbenzene	105	12.134	12.134	0.000	98	239427	20.0	20.1	
116 sec-Butylbenzene	105	12.487	12.487	0.000	99	279625	20.0	19.6	
117 1,3-Dichlorobenzene	146	12.579	12.579	0.000	94	121417	20.0	18.7	
* 119 1,4-Dichlorobenzene-d4	152	12.713	12.713	0.000	97	227096	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.749	12.756	-0.007	93	126529	20.0	19.0	
118 4-Isopropyltoluene	119	12.804	12.804	0.000	97	239479	20.0	19.0	
121 1,2,3-Trimethylbenzene	105	12.883	12.890	-0.007	99	252203	20.0	19.6	
122 Benzyl chloride	126	12.993	12.993	0.000	98	16862	20.0	14.8	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	94	247301	20.0	19.7	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	94	128701	20.0	18.7	
124 p-Diethylbenzene	105	13.286	13.286	0.000	93	132842	20.0	18.4	
125 n-Butylbenzene	92	13.310	13.310	0.000	98	128468	20.0	19.1	
128 1,2-Dibromo-3-Chloropropan	75	13.944	13.950	-0.006	87	13427	20.0	17.1	
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	97	235831	20.0	18.3	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	95	88641	20.0	16.3	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	94	82078	20.0	17.6	
131 Hexachlorobutadiene	225	14.664	14.664	0.000	94	29128	20.0	16.3	
132 Naphthalene	128	14.682	14.682	0.000	99	215951	20.0	17.9	
133 1,2,3-Trichlorobenzene	180	14.834	14.834	0.000	94	78970	20.0	15.6	
S 134 1,2-Dichloroethene, Total	100				0		40.0	41.7	
S 135 Xylenes, Total	100				0		40.0	41.5	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	20.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
524freon_00016	Amount Added:	20.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 02-Jan-2020 10:55:27 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52961.D

Injection Date: 30-Dec-2019 06:25:30 Instrument ID: CVOAMS2 Operator ID:

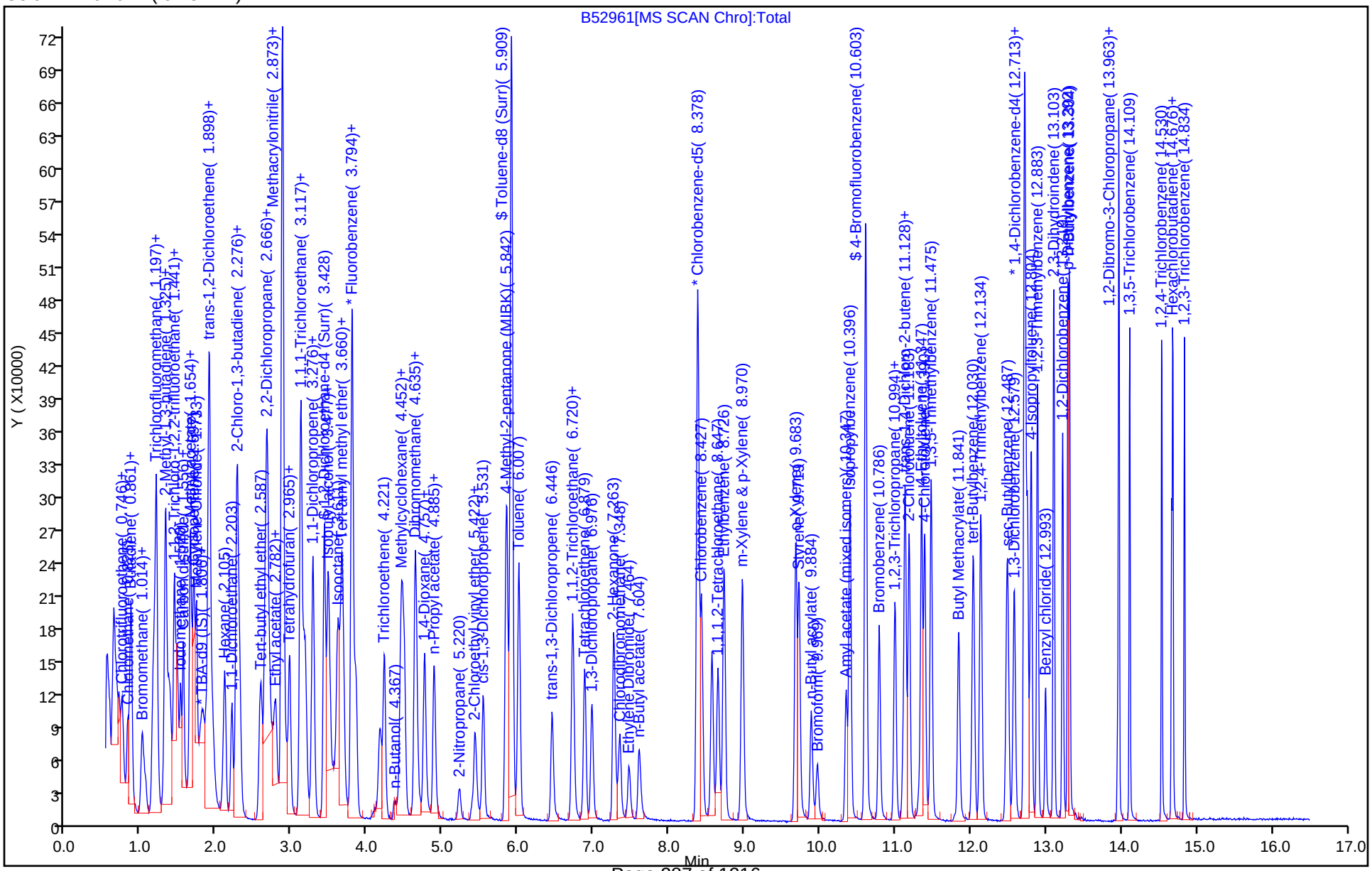
Lims ID: LCS Worklist Smp#: 3

Client ID:

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

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

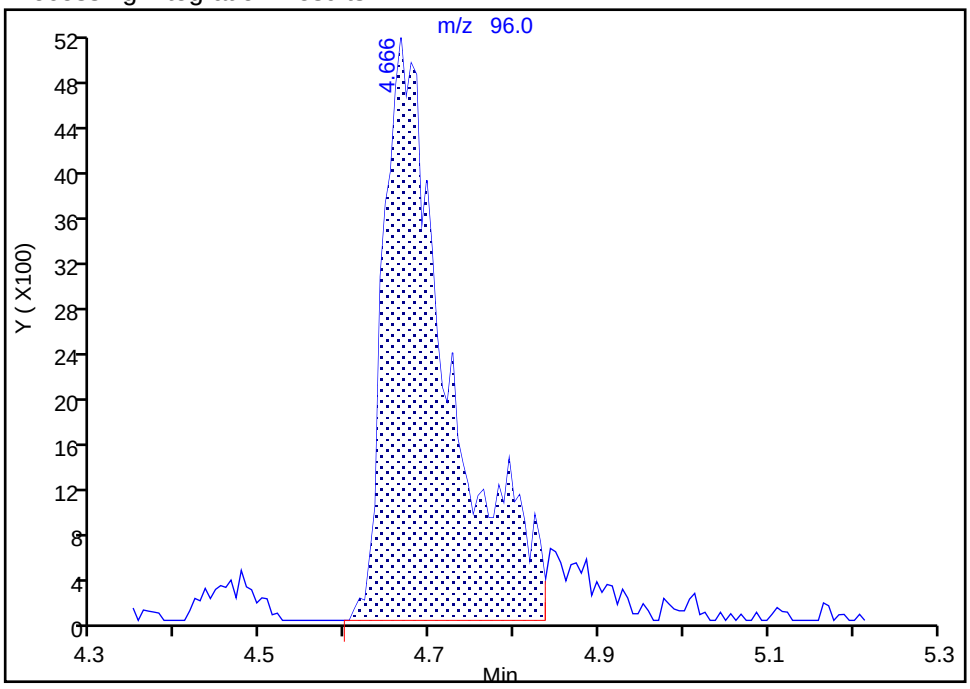
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52961.D
Injection Date: 30-Dec-2019 06:25:30 Instrument ID: CVOAMS2
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 70 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

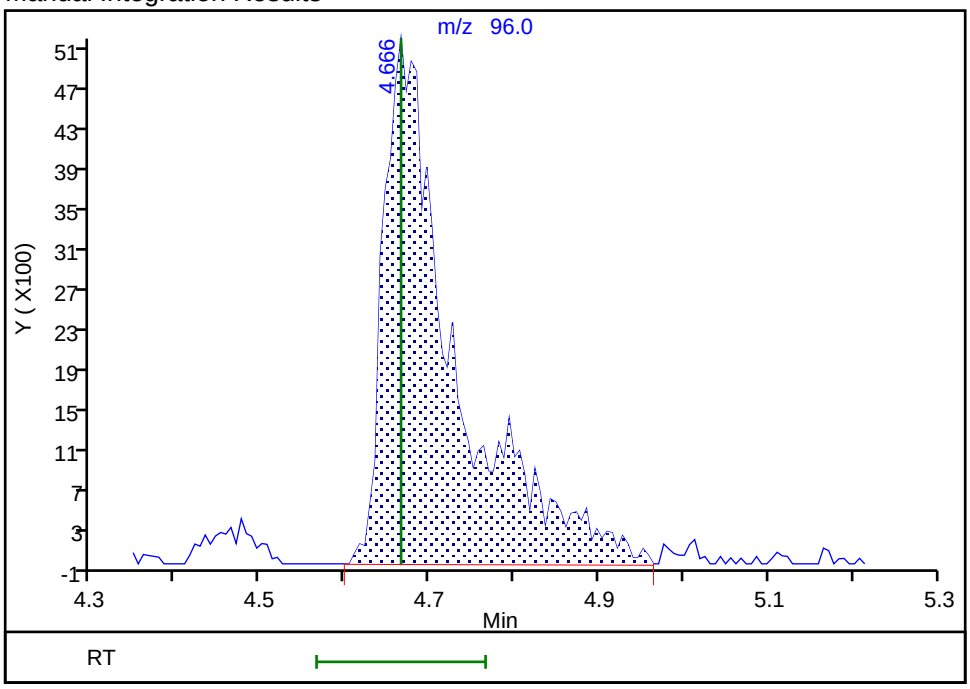
Processing Integration Results

RT: 4.67
Area: 27493
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.67
Area: 30080
Amount: 1000.0000
Amount Units: ug/l



Reviewer: asfawa, 31-Dec-2019 20:50:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199722-A-1 MS

Matrix: Water Lab File ID: B52977.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 12:47

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	233		10	2.4
79-34-5	1,1,2,2-Tetrachloroethane	242		10	3.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	243		10	3.1
79-00-5	1,1,2-Trichloroethane	243		10	4.3
75-34-3	1,1-Dichloroethane	250		10	2.6
75-35-4	1,1-Dichloroethene	230		10	2.6
87-61-6	1,2,3-Trichlorobenzene	193		10	3.6
120-82-1	1,2,4-Trichlorobenzene	218		10	3.7
78-87-5	1,2-Dichloropropane	244		10	3.5
541-73-1	1,3-Dichlorobenzene	230		10	3.4
106-46-7	1,4-Dichlorobenzene	224		10	3.3
123-91-1	1,4-Dioxane	5510		500	280
78-93-3	2-Butanone (MEK)	1240		50	19
591-78-6	2-Hexanone	1220		50	11
108-10-1	4-Methyl-2-pentanone (MIBK)	1190		50	13
67-64-1	Acetone	1090		50	44
71-43-2	Benzene	236		10	2.0
75-25-2	Bromoform	217		10	5.4
74-83-9	Bromomethane	227		10	5.5
75-15-0	Carbon disulfide	264		10	8.2
56-23-5	Carbon tetrachloride	230		10	2.1
108-90-7	Chlorobenzene	231		10	3.8
74-97-5	Chlorobromomethane	226		10	4.1
124-48-1	Chlorodibromomethane	220		10	2.8
75-00-3	Chloroethane	222		10	3.2
67-66-3	Chloroform	235		10	3.3
74-87-3	Chloromethane	220		10	4.0
156-59-2	cis-1,2-Dichloroethene	240		10	2.2
10061-01-5	cis-1,3-Dichloropropene	222		10	2.2
110-82-7	Cyclohexane	266		10	3.2
75-27-4	Dichlorobromomethane	223		10	3.4
75-71-8	Dichlorodifluoromethane	187		10	3.1
100-41-4	Ethylbenzene	257		10	3.0
106-93-4	Ethylene Dibromide	238		10	5.0
98-82-8	Isopropylbenzene	245		10	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199722-A-1 MS

Matrix: Water Lab File ID: B52977.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 12:47

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	495		50	7.9
1634-04-4	Methyl tert-butyl ether	259		10	4.7
108-87-2	Methylcyclohexane	263		10	2.6
75-09-2	Methylene Chloride	240		10	3.2
179601-23-1	m-Xylene & p-Xylene	263		10	3.0
95-47-6	o-Xylene	249		10	3.6
100-42-5	Styrene	241		10	4.2
127-18-4	Tetrachloroethene	224		10	2.5
108-88-3	Toluene	236		10	3.8
156-60-5	trans-1,2-Dichloroethene	240		10	2.4
10061-02-6	trans-1,3-Dichloropropene	222		10	4.9
79-01-6	Trichloroethene	223		10	3.1
75-69-4	Trichlorofluoromethane	228		10	3.2
75-01-4	Vinyl chloride	232		10	1.7
107-06-2	1,2-Dichloroethane	227		10	4.3
95-50-1	1,2-Dichlorobenzene	230		10	4.3
96-12-8	1,2-Dibromo-3-Chloropropane	213		10	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		74-132
460-00-4	4-Bromofluorobenzene	121		77-124
1868-53-7	Dibromofluoromethane (Surr)	120		72-131
2037-26-5	Toluene-d8 (Surr)	121	X	80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52977.D
Lims ID: 460-199722-A-1 MS
Client ID:
Sample Type: MS
Inject. Date: 30-Dec-2019 12:47:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-199722-A-1 MS
Misc. Info.: 460-0103638-019
Operator ID: Instrument ID: CVOAMS2

Method: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 06-Jan-2020 19:44:02 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: yallabg Date: 30-Dec-2019 19:43:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.727	0.727	0.000	80	19226		13.2	
2 Dichlorodifluoromethane	85	0.740	0.740	0.000	96	103923	20.0	18.7	
3 Chloromethane	50	0.813	0.813	0.000	99	132331	20.0	22.0	
4 Butadiene	54	0.862	0.855	0.007	85	76893	20.0	22.5	
5 Vinyl chloride	62	0.862	0.862	0.000	97	88838	20.0	23.2	
6 Bromomethane	94	1.008	1.008	0.000	96	65825	20.0	22.7	
7 Chloroethane	64	1.051	1.051	0.001	99	46676	20.0	22.2	
9 Dichlorofluoromethane	67	1.160	1.154	0.006	98	135175	20.0	23.0	
8 Trichlorofluoromethane	101	1.185	1.185	0.000	96	130292	20.0	22.8	
10 Pentane	72	1.197	1.203	-0.006	96	17977	40.0	36.8	
11 Ethanol	46	1.307	1.294	0.013	79	3746	800.0	302.7	
12 Ethyl ether	59	1.307	1.313	-0.006	90	48456	20.0	22.0	
13 2-Methyl-1,3-butadiene	53	1.319	1.319	0.000	96	60090	20.0	23.0	
14 1,2-Dichloro-1,1,2-trifluo	117	1.343	1.343	0.000	89	56533		20.4	a
15 Acrolein	56	1.374	1.386	-0.012	44	17472	40.0	36.1	
16 1,1-Dichloroethene	96	1.435	1.435	0.000	95	59622	20.0	23.0	
17 1,1,2-Trichloro-1,2,2-trif	101	1.465	1.459	0.006	59	69048	20.0	24.3	
18 Acetone	43	1.465	1.471	-0.006	83	116509	100.0	109.1	
19 Iodomethane	142	1.514	1.520	-0.006	100	137348	20.0	24.8	
20 Carbon disulfide	76	1.557	1.557	0.001	100	234212	20.0	26.4	
21 Isopropyl alcohol	45	1.593	1.593	0.000	50	51137	200.0	237.2	
22 3-Chloro-1-propene	76	1.642	1.648	-0.006	89	39814	20.0	23.7	
25 Acetonitrile	40	1.642	1.648	-0.006	78	67301	200.0	305.0	
24 Methyl acetate	43	1.666	1.672	-0.006	99	113999	40.0	49.5	
23 Cyclopentene	67	1.697	1.697	0.000	94	159874	20.0	25.9	
26 Methylene Chloride	84	1.733	1.727	0.006	99	76569	20.0	24.0	
* 27 TBA-d9 (IS)	65	1.788	1.806	-0.018	0	286424	1000.0	1000.0	a
28 2-Methyl-2-propanol	59	1.867	1.855	0.012	34	74020	200.0	246.2	
31 Acrylonitrile	53	1.892	1.892	0.000	92	263156	200.0	254.2	
30 trans-1,2-Dichloroethene	96	1.904	1.904	0.000	97	68445	20.0	24.0	
29 Methyl tert-butyl ether	73	1.922	1.922	0.000	97	196802	20.0	25.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	2.105	2.105	0.000	92	62508	20.0	24.4	
34 1,1-Dichloroethane	63	2.197	2.203	-0.006	99	128458	20.0	25.0	
35 Vinyl acetate	86	2.264	2.270	-0.006	100	22230	40.0	47.0	
36 2-Chloro-1,3-butadiene	88	2.270	2.270	0.000	73	60728	20.0	24.9	
33 Isopropyl ether	45	2.288	2.294	-0.006	92	257115	20.0	24.8	
37 Tert-butyl ethyl ether	87	2.581	2.581	0.000	90	84769	20.0	25.7	
* 39 2-Butanone-d5	46	2.648	2.648	0.000	0	301178	250.0	250.0	
38 2,2-Dichloropropane	41	2.672	2.666	0.006	66	68105	20.0	23.5	
40 cis-1,2-Dichloroethene	96	2.666	2.666	0.000	94	74834	20.0	24.0	
41 2-Butanone (MEK)	72	2.697	2.703	-0.006	100	33803	100.0	123.5	
44 Propionitrile	54	2.745	2.745	0.000	96	93241	200.0	221.9	
42 Ethyl acetate	70	2.764	2.770	-0.006	98	11322	40.0	51.9	
43 Methyl acrylate	85	2.788	2.788	0.000	99	9320	20.0	25.1	
46 Chlorobromomethane	128	2.867	2.873	-0.006	86	41493	20.0	22.6	
47 Methacrylonitrile	67	2.867	2.873	-0.006	96	260913	200.0	245.1	
45 Tetrahydrofuran	72	2.940	2.928	0.012	85	15841	40.0	46.6	
48 Chloroform	83	2.965	2.971	-0.006	97	125239	20.0	23.5	
$ 51 Dibromofluoromethane (Surr	113	3.111	3.117	-0.006	96	211545	50.0	60.1	
50 1,1,1-Trichloroethane	97	3.117	3.123	-0.006	62	116410	20.0	23.3	
49 Cyclohexane	84	3.172	3.172	0.000	94	108400	20.0	26.6	
53 1,1-Dichloropropene	75	3.270	3.276	-0.006	90	90807	20.0	23.9	
52 Carbon tetrachloride	117	3.282	3.282	0.000	84	98630	20.0	23.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	246287	50.0	57.9	
55 Benzene	78	3.477	3.477	0.000	97	244731	20.0	23.6	
56 Isobutyl alcohol	74	3.471	3.483	-0.012	30	12318	500.0	1700.8	
60 1,2-Dichloroethane	62	3.507	3.507	0.000	97	96886	20.0	22.7	
54 Isooctane	57	3.605	3.605	0.000	96	201133	20.0	23.8	
59 Tert-amyl methyl ether	73	3.654	3.654	0.000	82	212207	20.0	24.7	
61 Isopropyl acetate	61	3.666	3.672	-0.006	91	22502	20.0	25.7	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	477753	50.0	50.0	
62 n-Heptane	43	3.837	3.849	-0.012	97	93321	20.0	24.5	
64 Trichloroethene	95	4.221	4.227	-0.006	96	64557	20.0	22.3	
65 n-Butanol	43	4.379	4.385	-0.006	1	11928	500.0	450.5	a
66 Methylcyclohexane	83	4.440	4.446	-0.006	87	114230	20.0	26.3	
67 Ethyl acrylate	55	4.452	4.452	0.000	94	158170	20.0	24.9	
69 1,2-Dichloropropane	63	4.483	4.489	-0.006	91	64879	20.0	24.4	
72 Dibromomethane	93	4.629	4.635	-0.006	92	43218	20.0	23.9	
* 70 1,4-Dioxane-d8	96	4.666	4.666	0.000	0	25925	1000.0	1000.0	M
73 1,4-Dioxane	88	4.739	4.733	0.006	26	14378	400.0	551.3	
71 Methyl methacrylate	100	4.751	4.751	0.000	94	28867	40.0	47.9	
74 n-Propyl acetate	43	4.879	4.885	-0.006	96	91146	20.0	23.8	
75 Dichlorobromomethane	83	4.885	4.885	0.000	99	81394	20.0	22.3	
76 2-Nitropropane	41	5.220	5.208	0.012	96	28513	40.0	43.4	
78 Epichlorohydrin	62	5.428	5.422	0.006	99	18467	400.0	447.0	
79 cis-1,3-Dichloropropene	75	5.531	5.531	0.000	97	84170	20.0	22.2	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	98	387696	100.0	119.4	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	695222	50.0	60.3	
82 Toluene	91	6.007	6.007	0.000	94	248807	20.0	23.6	
83 trans-1,3-Dichloropropene	75	6.446	6.446	0.000	97	72191	20.0	22.2	
86 1,1,2-Trichloroethane	83	6.714	6.720	-0.006	90	45667	20.0	24.3	
84 Ethyl methacrylate	69	6.726	6.726	0.000	87	73786	20.0	24.9	
85 Tetrachloroethene	166	6.879	6.885	-0.006	95	62261	20.0	22.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,3-Dichloropropane	76	6.976	6.976	0.000	97	89139	20.0	24.0	
88 2-Hexanone	43	7.263	7.263	0.000	98	228829	100.0	121.9	
89 Chlorodibromomethane	129	7.348	7.342	0.006	97	58707	20.0	22.0	
91 Ethylene Dibromide	107	7.470	7.476	-0.006	100	54534	20.0	23.8	
90 n-Butyl acetate	73	7.610	7.604	0.006	97	12588	20.0	24.9	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	86	381280	50.0	50.0	
93 Chlorobenzene	112	8.427	8.427	0.000	95	160715	20.0	23.1	
95 1,1,1,2-Tetrachloroethane	131	8.647	8.653	-0.006	94	63965	20.0	23.4	
94 Ethylbenzene	106	8.726	8.732	-0.006	98	95357	20.0	25.7	
96 m-Xylene & p-Xylene	106	8.970	8.970	0.000	0	120031	20.0	26.3	
97 o-Xylene	106	9.677	9.683	-0.006	93	118216	20.0	24.9	
99 Styrene	104	9.726	9.726	0.000	96	168813	20.0	24.1	
98 n-Butyl acrylate	73	9.884	9.884	0.000	96	39920	20.0	25.7	
100 Bromoform	173	9.970	9.963	0.007	94	34694	20.0	21.7	
101 Amyl acetate (mixed isomer	43	10.341	10.347	-0.006	88	123648	20.0	23.8	
102 Isopropylbenzene	105	10.396	10.396	0.000	96	309749	20.0	24.5	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	89	217496	50.0	60.3	
104 Bromobenzene	156	10.786	10.793	-0.006	97	73729	20.0	22.1	
107 1,2,3-Trichloropropane	110	10.994	10.994	0.000	96	24741	20.0	23.7	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	97	83016	20.0	24.2	
108 trans-1,4-Dichloro-2-buten	53	11.103	11.103	0.000	76	16175	20.0	19.6	
106 N-Propylbenzene	120	11.128	11.128	0.000	99	82912	20.0	23.0	
109 2-Chlorotoluene	126	11.183	11.183	0.000	98	74119	20.0	22.3	
110 4-Ethyltoluene	105	11.347	11.347	0.000	99	314677	20.0	24.3	
112 4-Chlorotoluene	91	11.390	11.390	0.000	97	250498	20.0	23.9	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	93	269247	20.0	23.4	
113 Butyl Methacrylate	87	11.841	11.841	0.000	97	77166	20.0	26.8	
114 tert-Butylbenzene	91	12.030	12.036	-0.006	94	134649	20.0	22.3	
115 1,2,4-Trimethylbenzene	105	12.134	12.134	0.000	98	290570	20.0	25.4	
116 sec-Butylbenzene	105	12.487	12.487	0.000	99	314453	20.0	22.9	
117 1,3-Dichlorobenzene	146	12.573	12.579	-0.006	95	143326	20.0	23.0	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	96	218171	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.756	12.756	0.000	94	143458	20.0	22.4	
118 4-Isopropyltoluene	119	12.804	12.804	0.000	98	271269	20.0	22.4	
121 1,2,3-Trimethylbenzene	105	12.884	12.890	-0.006	99	297446	20.0	24.1	
122 Benzyl chloride	126	12.993	12.993	0.000	98	16651	20.0	15.2	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	94	289939	20.0	24.0	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	95	152057	20.0	23.0	
124 p-Diethylbenzene	105	13.286	13.286	0.000	93	153148	20.0	22.0	
125 n-Butylbenzene	92	13.310	13.310	0.000	98	142689	20.0	22.1	
128 1,2-Dibromo-3-Chloropropan	75	13.944	13.950	-0.006	91	16126	20.0	21.3	
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	97	276574	20.0	22.3	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	97	110252	20.0	21.1	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	94	97670	20.0	21.8	
131 Hexachlorobutadiene	225	14.670	14.664	0.006	92	31755	20.0	18.5	
132 Naphthalene	128	14.682	14.682	0.000	99	282433	20.0	24.4	
133 1,2,3-Trichlorobenzene	180	14.841	14.834	0.007	95	93438	20.0	19.3	
S 134 1,2-Dichloroethene, Total	100				0		40.0	48.1	
S 135 Xylenes, Total	100				0		40.0	51.2	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00347	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00110	Amount Added:	20.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Jan-2020 19:45:34 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52977.D

Injection Date: 30-Dec-2019 12:47:30 Instrument ID: CVOAMS2 Operator ID:

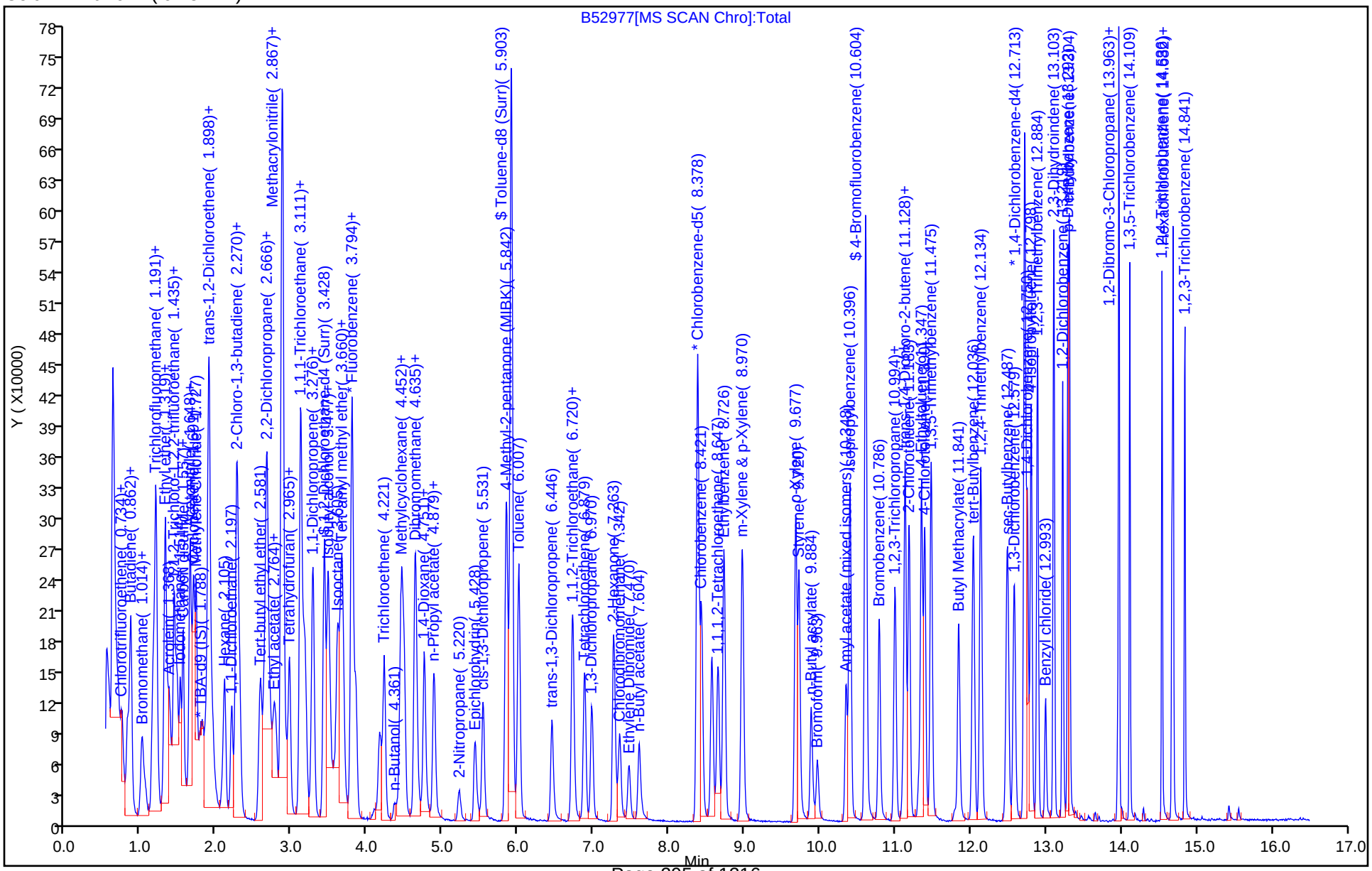
Lims ID: 460-199722-A-1 MS Worklist Smp#: 19

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 10.0000 ALS Bottle#: 18

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

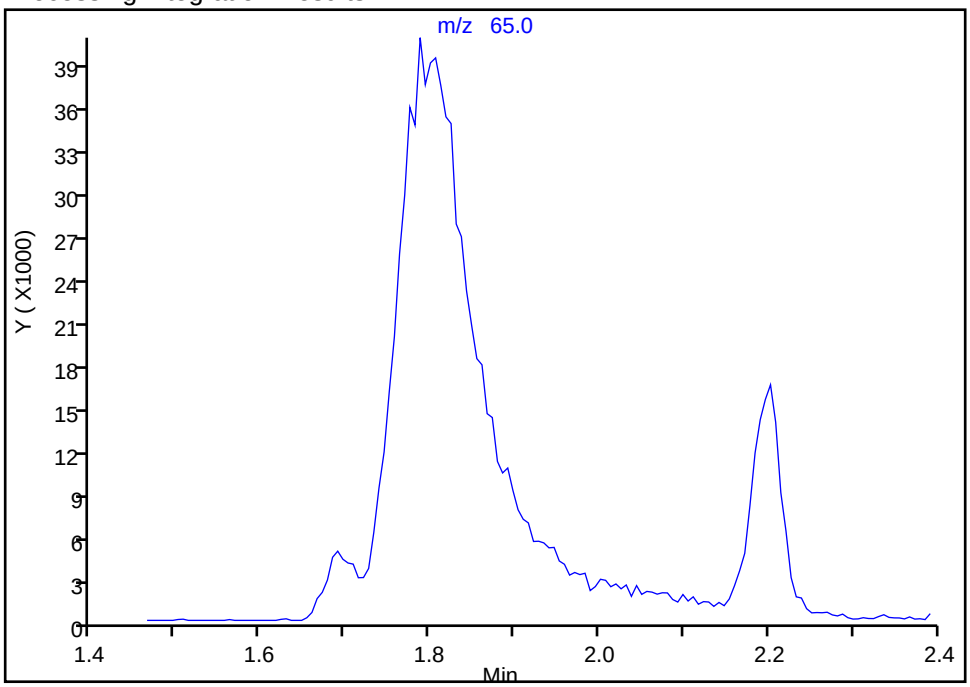
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52977.D		
Injection Date:	30-Dec-2019 12:47:30	Instrument ID:	CVOAMS2
Lims ID:	460-199722-A-1 MS		
Client ID:			
Operator ID:		ALS Bottle#:	18 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

* 27 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

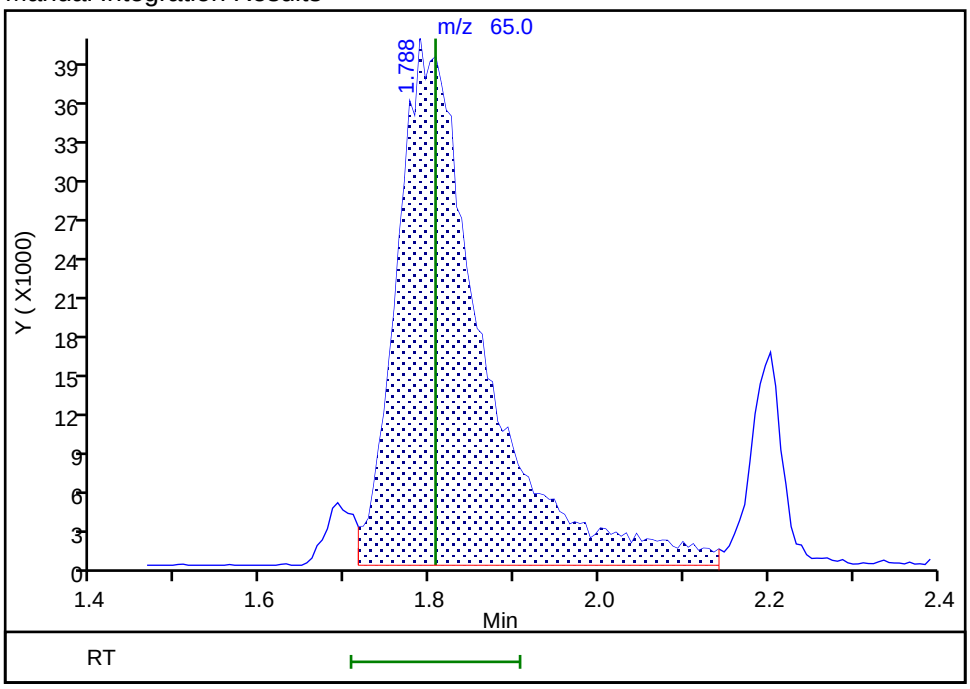
Not Detected
Expected RT: 1.81

Processing Integration Results



Manual Integration Results

RT: 1.79
Area: 286424
Amount: 1000.0000
Amount Units: ug/l



Reviewer: yallabg, 30-Dec-2019 19:43:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

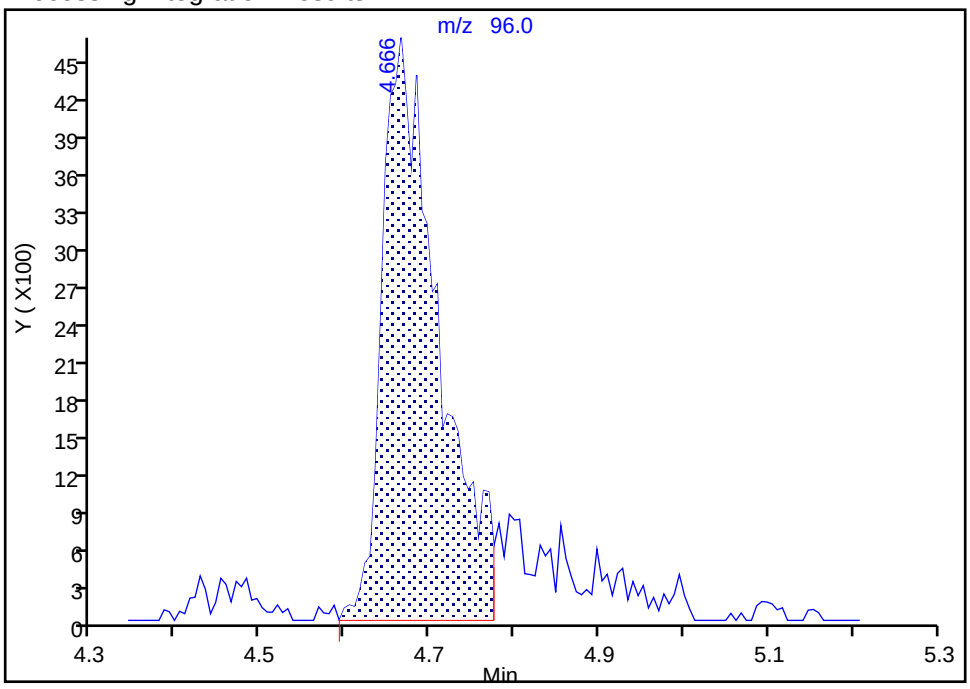
Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52977.D
Injection Date: 30-Dec-2019 12:47:30 Instrument ID: CVOAMS2
Lims ID: 460-199722-A-1 MS
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 70 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

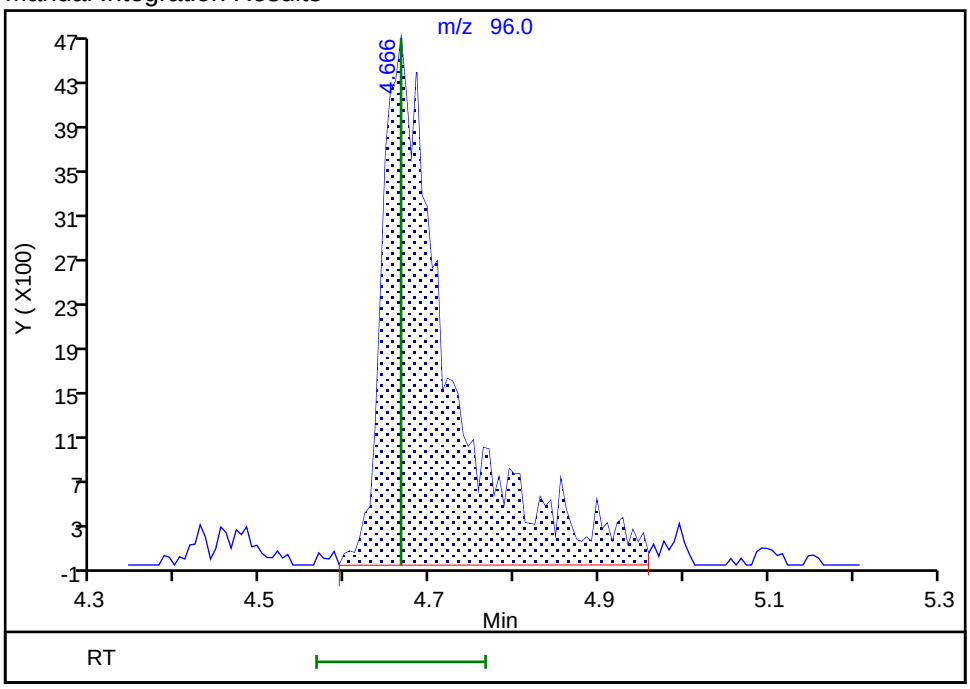
Processing Integration Results

RT: 4.67
Area: 21349
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.67
Area: 25925
Amount: 1000.0000
Amount Units: ug/l



Reviewer: baronm, 06-Jan-2020 19:43:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199722-A-1 MSD

Matrix: Water Lab File ID: B52978.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 13:11

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	208		10	2.4
79-34-5	1,1,2,2-Tetrachloroethane	205		10	3.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	215		10	3.1
79-00-5	1,1,2-Trichloroethane	210		10	4.3
75-34-3	1,1-Dichloroethane	218		10	2.6
75-35-4	1,1-Dichloroethene	200		10	2.6
87-61-6	1,2,3-Trichlorobenzene	169		10	3.6
120-82-1	1,2,4-Trichlorobenzene	188		10	3.7
78-87-5	1,2-Dichloropropane	216		10	3.5
541-73-1	1,3-Dichlorobenzene	191		10	3.4
106-46-7	1,4-Dichlorobenzene	192		10	3.3
123-91-1	1,4-Dioxane	4570		500	280
78-93-3	2-Butanone (MEK)	1090		50	19
591-78-6	2-Hexanone	1040		50	11
108-10-1	4-Methyl-2-pentanone (MIBK)	1010		50	13
67-64-1	Acetone	921		50	44
71-43-2	Benzene	206		10	2.0
75-25-2	Bromoform	185		10	5.4
74-83-9	Bromomethane	206		10	5.5
75-15-0	Carbon disulfide	226		10	8.2
56-23-5	Carbon tetrachloride	198		10	2.1
108-90-7	Chlorobenzene	203		10	3.8
74-97-5	Chlorobromomethane	186		10	4.1
124-48-1	Chlorodibromomethane	196		10	2.8
75-00-3	Chloroethane	209		10	3.2
67-66-3	Chloroform	200		10	3.3
74-87-3	Chloromethane	202		10	4.0
156-59-2	cis-1,2-Dichloroethene	206		10	2.2
10061-01-5	cis-1,3-Dichloropropene	201		10	2.2
110-82-7	Cyclohexane	221		10	3.2
75-27-4	Dichlorobromomethane	198		10	3.4
75-71-8	Dichlorodifluoromethane	147		10	3.1
100-41-4	Ethylbenzene	216		10	3.0
106-93-4	Ethylene Dibromide	203		10	5.0
98-82-8	Isopropylbenzene	211		10	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199722-A-1 MSD

Matrix: Water Lab File ID: B52978.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2019 13:11

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665782 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	466		50	7.9
1634-04-4	Methyl tert-butyl ether	219		10	4.7
108-87-2	Methylcyclohexane	223		10	2.6
75-09-2	Methylene Chloride	215		10	3.2
179601-23-1	m-Xylene & p-Xylene	218		10	3.0
95-47-6	o-Xylene	217		10	3.6
100-42-5	Styrene	212		10	4.2
127-18-4	Tetrachloroethene	195		10	2.5
108-88-3	Toluene	201		10	3.8
156-60-5	trans-1,2-Dichloroethene	211		10	2.4
10061-02-6	trans-1,3-Dichloropropene	196		10	4.9
79-01-6	Trichloroethene	201		10	3.1
75-69-4	Trichlorofluoromethane	208		10	3.2
75-01-4	Vinyl chloride	209		10	1.7
107-06-2	1,2-Dichloroethane	204		10	4.3
95-50-1	1,2-Dichlorobenzene	194		10	4.3
96-12-8	1,2-Dibromo-3-Chloropropane	186		10	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	106		72-131
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52978.D
Lims ID: 460-199722-A-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 30-Dec-2019 13:11:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-199722-A-1 MSD
Misc. Info.: 460-0103638-020
Operator ID: Instrument ID: CVOAMS2

Method: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 06-Jan-2020 19:44:02 Calib Date: 27-Dec-2019 17:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS2\20191227-103524.b\B52899.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: yallabg Date: 30-Dec-2019 19:43:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	0.721	0.727	-0.006	47	19822		12.1	
2 Dichlorodifluoromethane	85	0.740	0.740	0.000	77	91940	20.0	14.7	a
3 Chloromethane	50	0.819	0.813	0.006	98	136976	20.0	20.2	
4 Butadiene	54	0.862	0.855	0.007	87	80487	20.0	20.9	
5 Vinyl chloride	62	0.868	0.862	0.006	98	90323	20.0	20.9	
6 Bromomethane	94	1.014	1.008	0.006	98	67384	20.0	20.6	
7 Chloroethane	64	1.051	1.051	0.001	98	49357	20.0	20.9	
9 Dichlorofluoromethane	67	1.160	1.154	0.006	98	138169	20.0	20.9	
8 Trichlorofluoromethane	101	1.185	1.185	0.000	65	133981	20.0	20.8	
10 Pentane	72	1.197	1.203	-0.006	94	18176	40.0	34.2	
11 Ethanol	46	1.313	1.294	0.019	83	11443	800.0	853.5	M
12 Ethyl ether	59	1.313	1.313	0.000	86	48077	20.0	19.4	
13 2-Methyl-1,3-butadiene	53	1.325	1.319	0.006	96	60856	20.0	20.6	
14 1,2-Dichloro-1,1,2-trifluo	117	1.343	1.343	0.000	91	58520		18.7	
15 Acrolein	56	1.392	1.386	0.006	95	17536	40.0	33.3	
16 1,1-Dichloroethene	96	1.435	1.435	0.000	95	58514	20.0	20.0	
17 1,1,2-Trichloro-1,2,2-trif	101	1.477	1.459	0.018	61	68819	20.0	21.5	
18 Acetone	43	1.477	1.471	0.006	84	114825	100.0	92.1	
19 Iodomethane	142	1.520	1.520	0.000	99	131490	20.0	21.0	
20 Carbon disulfide	76	1.557	1.557	0.001	100	225796	20.0	22.6	
21 Isopropyl alcohol	45	1.605	1.593	0.012	96	54901	200.0	233.6	
22 3-Chloro-1-propene	76	1.654	1.648	0.006	90	41573	20.0	22.0	
25 Acetonitrile	40	1.648	1.648	0.000	79	64113	200.0	257.8	
24 Methyl acetate	43	1.679	1.672	0.007	99	121009	40.0	46.6	
23 Cyclopentene	67	1.697	1.697	0.000	95	154773	20.0	22.2	
26 Methylene Chloride	84	1.733	1.727	0.006	96	77233	20.0	21.5	
* 27 TBA-d9 (IS)	65	1.800	1.806	-0.006	0	312187	1000.0	1000.0	
28 2-Methyl-2-propanol	59	1.849	1.855	-0.006	91	70569	200.0	215.3	
31 Acrylonitrile	53	1.892	1.892	0.000	92	258559	200.0	221.5	
30 trans-1,2-Dichloroethene	96	1.904	1.904	0.000	97	67875	20.0	21.1	
29 Methyl tert-butyl ether	73	1.922	1.922	0.000	97	187577	20.0	21.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	2.105	2.105	0.000	92	59693	20.0	20.6	
34 1,1-Dichloroethane	63	2.203	2.203	0.000	99	126219	20.0	21.8	
35 Vinyl acetate	86	2.270	2.270	0.000	100	20137	40.0	39.0	
36 2-Chloro-1,3-butadiene	88	2.270	2.270	0.000	75	60657	20.0	22.1	
33 Isopropyl ether	45	2.294	2.294	0.000	90	256259	20.0	22.0	
37 Tert-butyl ethyl ether	87	2.581	2.581	0.000	90	84414	20.0	22.7	
* 39 2-Butanone-d5	46	2.642	2.648	-0.006	0	351639	250.0	250.0	
38 2,2-Dichloropropane	41	2.672	2.666	0.006	66	71585	20.0	21.9	
40 cis-1,2-Dichloroethene	96	2.666	2.666	0.000	93	72208	20.0	20.6	
41 2-Butanone (MEK)	72	2.697	2.703	-0.006	98	34789	100.0	108.9	
44 Propionitrile	54	2.739	2.745	-0.006	94	89512	200.0	195.5	
42 Ethyl acetate	70	2.782	2.770	0.012	98	11341	40.0	44.5	
43 Methyl acrylate	85	2.794	2.788	0.006	47	9615	20.0	22.9	
46 Chlorobromomethane	128	2.873	2.873	0.000	50	38603	20.0	18.6	
47 Methacrylonitrile	67	2.873	2.873	0.000	97	257821	200.0	214.8	
45 Tetrahydrofuran	72	2.922	2.928	-0.006	90	16473	40.0	41.5	
48 Chloroform	83	2.965	2.971	-0.006	97	120216	20.0	20.0	
$ 51 Dibromofluoromethane (Surr	113	3.111	3.117	-0.006	96	210573	50.0	53.1	
50 1,1,1-Trichloroethane	97	3.123	3.123	0.000	61	117088	20.0	20.8	
49 Cyclohexane	84	3.166	3.172	-0.006	95	101576	20.0	22.1	
53 1,1-Dichloropropene	75	3.276	3.276	0.000	91	89147	20.0	20.9	
52 Carbon tetrachloride	117	3.282	3.282	0.000	81	95531	20.0	19.8	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.428	3.428	0.000	0	244016	50.0	50.9	
55 Benzene	78	3.477	3.477	0.000	96	242352	20.0	20.6	
56 Isobutyl alcohol	74	3.471	3.483	-0.012	30	12909	500.0	1635.3	
60 1,2-Dichloroethane	62	3.507	3.507	0.000	97	97787	20.0	20.4	
54 Isooctane	57	3.605	3.605	0.000	96	195298	20.0	20.5	
59 Tert-amyl methyl ether	73	3.660	3.654	0.006	84	214615	20.0	22.2	
61 Isopropyl acetate	61	3.666	3.672	-0.006	92	22372	20.0	22.7	
* 63 Fluorobenzene	96	3.794	3.794	0.000	98	538622	50.0	50.0	
62 n-Heptane	43	3.843	3.849	-0.006	95	90397	20.0	21.1	
64 Trichloroethene	95	4.221	4.227	-0.006	97	65544	20.0	20.1	
65 n-Butanol	43	4.355	4.385	-0.030	1	10376	500.0	359.6	a
66 Methylcyclohexane	83	4.452	4.446	0.006	83	109011	20.0	22.3	
67 Ethyl acrylate	55	4.458	4.452	0.006	94	156440	20.0	21.8	
69 1,2-Dichloropropane	63	4.489	4.489	0.000	92	64633	20.0	21.6	
72 Dibromomethane	93	4.629	4.635	-0.006	93	42449	20.0	20.8	
* 70 1,4-Dioxane-d8	96	4.672	4.666	0.006	0	29022	1000.0	1000.0	
73 1,4-Dioxane	88	4.727	4.733	-0.006	88	13333	400.0	456.7	
71 Methyl methacrylate	100	4.757	4.751	0.006	93	28242	40.0	41.5	
74 n-Propyl acetate	43	4.879	4.885	-0.006	96	95685	20.0	22.2	
75 Dichlorobromomethane	83	4.879	4.885	-0.006	98	81453	20.0	19.8	
76 2-Nitropropane	41	5.221	5.208	0.013	97	28537	40.0	38.5	
78 Epichlorohydrin	62	5.428	5.422	0.006	98	19121	400.0	398.5	
79 cis-1,3-Dichloropropene	75	5.531	5.531	0.000	98	86656	20.0	20.1	
80 4-Methyl-2-pentanone (MIBK	43	5.842	5.842	0.000	98	383332	100.0	101.1	
$ 81 Toluene-d8 (Surr)	98	5.909	5.909	0.000	98	696398	50.0	53.2	
82 Toluene	91	6.007	6.007	0.000	94	240143	20.0	20.1	
83 trans-1,3-Dichloropropene	75	6.446	6.446	0.000	97	72377	20.0	19.6	
86 1,1,2-Trichloroethane	83	6.720	6.720	0.000	87	44728	20.0	21.0	
84 Ethyl methacrylate	69	6.726	6.726	0.000	87	72461	20.0	21.5	
85 Tetrachloroethene	166	6.879	6.885	-0.006	93	61623	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,3-Dichloropropane	76	6.976	6.976	0.000	97	88145	20.0	20.9	
88 2-Hexanone	43	7.263	7.263	0.000	98	227109	100.0	103.6	
89 Chlorodibromomethane	129	7.348	7.342	0.006	98	59506	20.0	19.6	
91 Ethylene Dibromide	107	7.470	7.476	-0.006	98	52799	20.0	20.3	
90 n-Butyl acetate	73	7.592	7.604	-0.012	96	14235	20.0	24.8	
* 92 Chlorobenzene-d5	117	8.378	8.378	0.000	87	432825	50.0	50.0	
93 Chlorobenzene	112	8.427	8.427	0.000	95	160649	20.0	20.3	
95 1,1,1,2-Tetrachloroethane	131	8.647	8.653	-0.006	94	59298	20.0	19.1	
94 Ethylbenzene	106	8.732	8.732	0.000	99	90684	20.0	21.6	
96 m-Xylene & p-Xylene	106	8.970	8.970	0.000	0	113112	20.0	21.8	
97 o-Xylene	106	9.683	9.683	0.000	93	116994	20.0	21.7	
99 Styrene	104	9.726	9.726	0.000	96	168215	20.0	21.2	
98 n-Butyl acrylate	73	9.884	9.884	0.000	95	41072	20.0	23.3	
100 Bromoform	173	9.970	9.963	0.007	95	33591	20.0	18.5	
101 Amyl acetate (mixed isomer	43	10.348	10.347	0.001	88	122638	20.0	20.6	
102 Isopropylbenzene	105	10.396	10.396	0.000	96	302826	20.0	21.1	
$ 103 4-Bromofluorobenzene	174	10.610	10.610	0.000	87	209841	50.0	51.3	
104 Bromobenzene	156	10.787	10.793	-0.005	96	69845	20.0	18.3	
107 1,2,3-Trichloropropane	110	10.988	10.994	-0.006	89	23315	20.0	19.5	
105 1,1,2,2-Tetrachloroethane	83	11.000	11.000	0.000	94	80694	20.0	20.5	
108 trans-1,4-Dichloro-2-buten	53	11.097	11.103	-0.006	82	16212	20.0	17.2	
106 N-Propylbenzene	120	11.128	11.128	0.000	99	80019	20.0	19.4	
109 2-Chlorotoluene	126	11.183	11.183	0.000	98	72891	20.0	19.1	
110 4-Ethyltoluene	105	11.347	11.347	0.000	99	311507	20.0	21.0	
112 4-Chlorotoluene	91	11.390	11.390	0.000	97	249383	20.0	20.8	
111 1,3,5-Trimethylbenzene	105	11.475	11.475	0.000	93	263418	20.0	20.0	
113 Butyl Methacrylate	87	11.841	11.841	0.000	97	76877	20.0	23.4	
114 tert-Butylbenzene	91	12.030	12.036	-0.006	94	135222	20.0	19.6	
115 1,2,4-Trimethylbenzene	105	12.134	12.134	0.000	98	280153	20.0	21.4	
116 sec-Butylbenzene	105	12.481	12.487	-0.006	99	311876	20.0	19.8	
117 1,3-Dichlorobenzene	146	12.573	12.579	-0.006	94	136547	20.0	19.1	
* 119 1,4-Dichlorobenzene-d4	152	12.719	12.713	0.006	97	250083	50.0	50.0	
120 1,4-Dichlorobenzene	146	12.750	12.756	-0.006	95	140820	20.0	19.2	
118 4-Isopropyltoluene	119	12.798	12.804	-0.006	97	269535	20.0	19.4	
121 1,2,3-Trimethylbenzene	105	12.884	12.890	-0.006	99	286437	20.0	20.2	
122 Benzyl chloride	126	12.993	12.993	0.000	98	16654	20.0	13.3	
123 2,3-Dihydroindene	117	13.103	13.103	0.000	94	280245	20.0	20.3	
126 1,2-Dichlorobenzene	146	13.219	13.219	0.000	95	146970	20.0	19.4	
124 p-Diethylbenzene	105	13.286	13.286	0.000	93	151622	20.0	19.0	
125 n-Butylbenzene	92	13.310	13.310	0.000	98	143279	20.0	19.3	
128 1,2-Dibromo-3-Chloropropan	75	13.944	13.950	-0.006	91	16085	20.0	18.6	
127 1,2,4,5-Tetramethylbenzene	119	13.963	13.963	0.000	96	268916	20.0	18.9	
129 1,3,5-Trichlorobenzene	180	14.109	14.109	0.000	97	107509	20.0	18.0	
130 1,2,4-Trichlorobenzene	180	14.536	14.536	0.000	94	96328	20.0	18.8	
131 Hexachlorobutadiene	225	14.670	14.664	0.006	93	32401	20.0	16.5	
132 Naphthalene	128	14.682	14.682	0.000	99	268034	20.0	20.2	
133 1,2,3-Trichlorobenzene	180	14.841	14.834	0.007	95	93970	20.0	16.9	
S 134 1,2-Dichloroethene, Total	100				0		40.0	41.7	
S 135 Xylenes, Total	100				0		40.0	43.6	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	20.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
8260ISNEW_00092	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Jan-2020 19:45:43 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52978.D

Injection Date: 30-Dec-2019 13:11:30 Instrument ID: CVOAMS2 Operator ID:

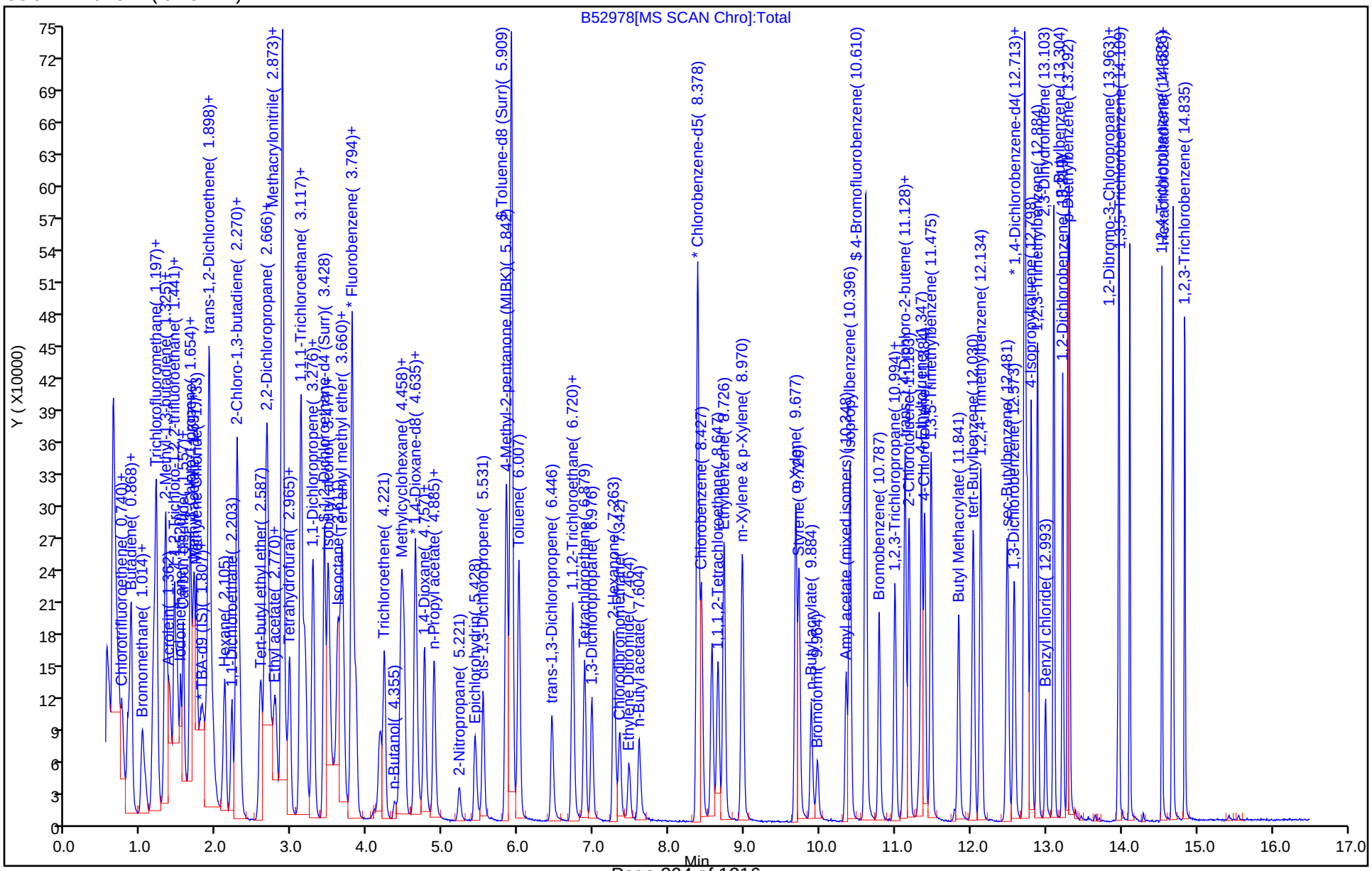
Lims ID: 460-199722-A-1 MSD Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 10.0000 ALS Bottle#: 19

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

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

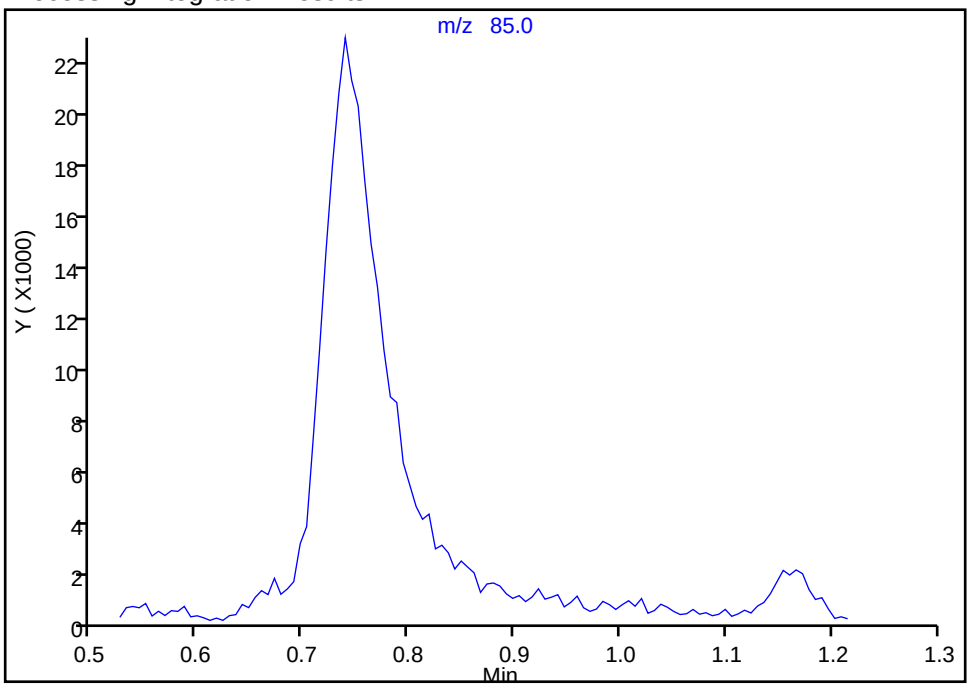
Data File:	\\chromna\Edison\ChromData\CVOAMS2\20191230-103638.b\B52978.D		
Injection Date:	30-Dec-2019 13:11:30	Instrument ID:	CVOAMS2
Lims ID:	460-199722-A-1 MSD		
Client ID:			
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

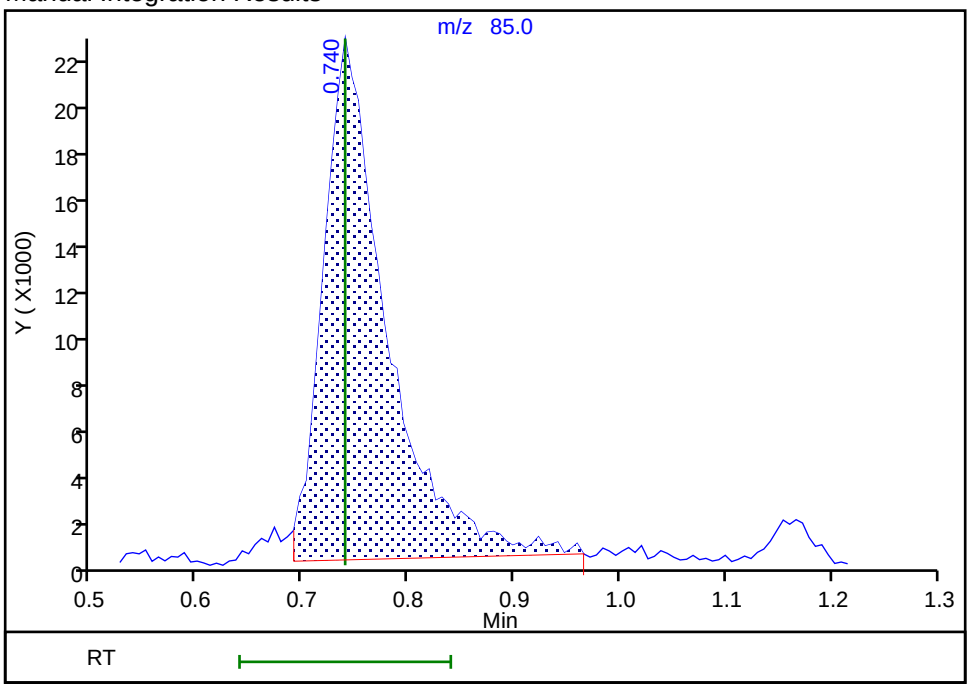
Not Detected
Expected RT: 0.74

Processing Integration Results



Manual Integration Results

RT: 0.74
Area: 91940
Amount: 14.690361
Amount Units: ug/l



Reviewer: yallabg, 30-Dec-2019 19:43:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CVOAMS2 Start Date: 12/27/2019 10:33

Analysis Batch Number: 665377 End Date: 12/27/2019 17:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-665377/1		12/27/2019 10:33	1	B52882.D	Rtx-624 0.25(mm)
STD7 460-665377/4 IC		12/27/2019 11:43	1	B52885.D	Rtx-624 0.25(mm)
STD5 460-665377/6 IC		12/27/2019 12:31	1	B52887.D	Rtx-624 0.25(mm)
STD20 460-665377/7 ICIS		12/27/2019 12:55	1	B52888.D	Rtx-624 0.25(mm)
STD50 460-665377/8 IC		12/27/2019 13:18	1	B52889.D	Rtx-624 0.25(mm)
STD500 460-665377/10 IC		12/27/2019 14:06	1	B52891.D	Rtx-624 0.25(mm)
STD1 460-665377/17 IC		12/27/2019 17:16	1	B52898.D	Rtx-624 0.25(mm)
STD200 460-665377/18 IC		12/27/2019 17:40	1	B52899.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CVOAMS2 Start Date: 12/30/2019 05:38

Analysis Batch Number: 665782 End Date: 12/30/2019 14:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-665782/1		12/30/2019 05:38	1	B52959.D	Rtx-624 0.25(mm)
CCVIS 460-665782/2		12/30/2019 06:01	1	B52960.D	Rtx-624 0.25(mm)
LCS 460-665782/3		12/30/2019 06:25	1	B52961.D	Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 06:48	1		Rtx-624 0.25(mm)
MB 460-665782/8		12/30/2019 08:24	1	B52966.D	Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 08:48	1		Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 09:11	1		Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 09:35	1		Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 09:59	1		Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 10:23	1		Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 10:47	1		Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 11:35	2		Rtx-624 0.25(mm)
ZZZZZ		12/30/2019 12:23	5		Rtx-624 0.25(mm)
460-199722-A-1 MS		12/30/2019 12:47	10	B52977.D	Rtx-624 0.25(mm)
460-199722-A-1 MSD		12/30/2019 13:11	10	B52978.D	Rtx-624 0.25(mm)
460-199723-1		12/30/2019 13:59	1	B52980.D	Rtx-624 0.25(mm)
460-199723-2		12/30/2019 14:23	1	B52981.D	Rtx-624 0.25(mm)
460-199723-3		12/30/2019 14:47	1	B52982.D	Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665782 Batch Start Date: 12/30/19 05:38 Batch Analyst: Moroney, Christopher J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00016	8260ISNEW 00092	8260MIX1COMB 00110	8260SURR250 00202
BFB 460-665782/1		8260C		5 mL	5 mL				
CCVIS 460-665782/2		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-665782/3		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-665782/8		8260C		5 mL	5 mL		1 uL		1 uL
460-199722-A-1 MS		8260C	T	5 mL	5 mL		1 uL	20 uL	1 uL
460-199722-A-1 MSD		8260C	T	5 mL	5 mL		1 uL	20 uL	1 uL
460-199723-B-1	MW-2	8260C	T	5 mL	5 mL		1 uL		1 uL
460-199723-B-2	MW-1	8260C	T	5 mL	5 mL		1 uL		1 uL
460-199723-B-3	Duplicate	8260C	T	5 mL	5 mL		1 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00100	BFB 00024	GASES Li 00347			
BFB 460-665782/1		8260C			1 uL				
CCVIS 460-665782/2		8260C		4 uL		20 uL			
LCS 460-665782/3		8260C		4 uL		20 uL			
MB 460-665782/8		8260C							
460-199722-A-1 MS		8260C	T	4 uL		20 uL			
460-199722-A-1 MSD		8260C	T	4 uL		20 uL			
460-199723-B-1	MW-2	8260C	T						
460-199723-B-2	MW-1	8260C	T						
460-199723-B-3	Duplicate	8260C	T						

Batch Notes	

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.: 460-199723-1

SDG No.:

Batch Number: 665782 Batch Start Date: 12/30/19 05:38 Batch Analyst: Moroney, Christopher J

Batch Method: 8260C Batch End Date:

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.

8270D

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TBP	#	TPHL	#
MW-2	460-199723-1	52		37		102		85		92		104	
MW-1	460-199723-2	59	X	43	X	113	X	97		106		116	
Duplicate	460-199723-3	39		28		75		65		65		80	
	MB 460-665354/1-A	58		43	X	97		84		92		105	
	LB 460-665221/1-B	41		37		102		87		79		112	
	LB 460-665213/1-B	52		36		105		93		101		110	
	LCS 460-665354/2-A	58		41	X	103		96		98		117	
	LCS 460-665354/4-A	74	X	54	X	129	X	110	X	121		138	
	LCSD 460-665354/3-A	60	X	42	X	111	X	100		104		117	
	LCSD 460-665354/5-A	65	X	47	X	116	X	101		111		127	
	460-199751-F-5-A MS	46		32		91		84		93		108	
	460-199751-C-5-A MSD	60	X	41	X	119	X	106		109		126	

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	25-58
PHL = Phenol-d5 (Surr)	14-39
NBZ = Nitrobenzene-d5 (Surr)	51-108
FBP = 2-Fluorobiphenyl	45-107
TBP = 2,4,6-Tribromophenol (Surr)	26-139
TPHL = Terphenyl-d14 (Surr)	40-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167238.D

Lab ID: LCS 460-665354/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	70.2	88	54-108	
1,2,4,5-Tetrachlorobenzene	80.0	67.0	84	46-105	
2,2'-oxybis[1-chloropropane]	80.0	76.5	96	50-108	
2,3,4,6-Tetrachlorophenol	80.0	70.5	88	57-122	
2,4,5-Trichlorophenol	80.0	71.0	89	59-117	
2,4,6-Trichlorophenol	80.0	74.1	93	62-120	
2,4-Dichlorophenol	80.0	71.4	89	62-102	
2,4-Dimethylphenol	80.0	68.5	86	61-95	
2,4-Dinitrophenol	160	132	83	45-125	
2,4-Dinitrotoluene	80.0	77.7	97	70-123	
2,6-Dinitrotoluene	80.0	75.8	95	68-121	
2-Chloronaphthalene	80.0	67.7	85	54-105	
2-Chlorophenol	80.0	65.5	82	54-92	
2-Methylnaphthalene	80.0	66.4	83	47-104	
2-Methylphenol	80.0	56.6	71	43-80	
2-Nitroaniline	80.0	73.8	92	46-124	
2-Nitrophenol	80.0	73.6	92	58-109	
3,3'-Dichlorobenzidine	80.0	71.5	89	68-123	
3-Nitroaniline	80.0	62.1	78	60-117	
4,6-Dinitro-2-methylphenol	160	154	96	59-132	
4-Bromophenyl phenyl ether	80.0	76.8	96	57-126	
4-Chloro-3-methylphenol	80.0	69.5	87	58-98	
4-Chloroaniline	80.0	54.0	67	51-108	
4-Chlorophenyl phenyl ether	80.0	74.2	93	60-114	
4-Methylphenol	80.0	57.5	72	34-78	
4-Nitroaniline	80.0	64.1	80	48-135	
4-Nitrophenol	160	60.9	38	11-47	
Acenaphthene	80.0	75.1	94	58-107	
Acenaphthylene	80.0	71.5	89	61-106	
Acetophenone	80.0	76.8	96	54-115	
Anthracene	80.0	75.6	95	70-118	
Benzo[a]anthracene	80.0	78.0	98	73-119	
Benzo[a]pyrene	80.0	67.7	85	76-125	
Benzo[b]fluoranthene	80.0	74.0	92	78-123	
Benzo[g,h,i]perylene	80.0	76.7	96	63-133	
Benzo[k]fluoranthene	80.0	73.2	92	71-126	
Bis(2-chloroethoxy)methane	80.0	77.7	97	67-104	
Bis(2-chloroethyl)ether	80.0	74.5	93	63-106	
Bis(2-ethylhexyl) phthalate	80.0	86.4	108	63-135	
Butyl benzyl phthalate	80.0	80.4	100	66-129	
Carbazole	80.0	73.7	92	68-121	
Chrysene	80.0	82.5	103	73-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167238.D

Lab ID: LCS 460-665354/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	79.6	100	59-136	
Dibenzofuran	80.0	75.6	95	67-108	
Diethyl phthalate	80.0	70.9	89	61-129	
Dimethyl phthalate	80.0	72.1	90	65-121	
Di-n-butyl phthalate	80.0	76.3	95	64-130	
Di-n-octyl phthalate	80.0	74.9	94	64-131	
Fluoranthene	80.0	71.7	90	66-123	
Fluorene	80.0	74.7	93	67-112	
Hexachlorobenzene	80.0	76.8	96	63-125	
Hexachlorobutadiene	80.0	40.3	50	34-99	
Hexachlorocyclopentadiene	80.0	55.4	69	18-99	
Hexachloroethane	80.0	34.7	43	39-92	
Indeno[1,2,3-cd]pyrene	80.0	78.4	98	57-142	
Isophorone	80.0	75.0	94	55-105	
Naphthalene	80.0	62.5	78	51-98	
Nitrobenzene	80.0	75.6	95	56-106	
N-Nitrosodi-n-propylamine	80.0	78.3	98	48-118	
N-Nitrosodiphenylamine	80.0	75.8	95	69-118	
Pentachlorophenol	160	150	94	54-120	
Phenanthrene	80.0	75.5	94	70-117	
Phenol	80.0	30.5	38	16-43	
Pyrene	80.0	80.6	101	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167240.D

Lab ID: LCS 460-665354/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Atrazine	160	150	94	38-146	
Benzaldehyde	160	176	110	46-111	
Caprolactam	160	53.4	33	10-43	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167239.D

Lab ID: LCSD 460-665354/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	70.7	88	1	30	54-108	
1,2,4,5-Tetrachlorobenzene	80.0	67.6	84	1	30	46-105	
2,2'-oxybis[1-chloropropane]	80.0	77.5	97	1	30	50-108	
2,3,4,6-Tetrachlorophenol	80.0	71.9	90	2	30	57-122	
2,4,5-Trichlorophenol	80.0	73.7	92	4	30	59-117	
2,4,6-Trichlorophenol	80.0	74.9	94	1	30	62-120	
2,4-Dichlorophenol	80.0	74.1	93	4	30	62-102	
2,4-Dimethylphenol	80.0	70.0	87	2	30	61-95	
2,4-Dinitrophenol	160	137	86	4	30	45-125	
2,4-Dinitrotoluene	80.0	76.0	95	2	30	70-123	
2,6-Dinitrotoluene	80.0	76.0	95	0	30	68-121	
2-Chloronaphthalene	80.0	68.5	86	1	30	54-105	
2-Chlorophenol	80.0	66.5	83	1	30	54-92	
2-Methylnaphthalene	80.0	67.5	84	2	30	47-104	
2-Methylphenol	80.0	56.7	71	0	30	43-80	
2-Nitroaniline	80.0	76.6	96	4	30	46-124	
2-Nitrophenol	80.0	75.1	94	2	30	58-109	
3,3'-Dichlorobenzidine	80.0	72.8	91	2	30	68-123	
3-Nitroaniline	80.0	64.8	81	4	30	60-117	
4,6-Dinitro-2-methylphenol	160	155	97	1	30	59-132	
4-Bromophenyl phenyl ether	80.0	78.1	98	2	30	57-126	
4-Chloro-3-methylphenol	80.0	71.9	90	3	30	58-98	
4-Chloroaniline	80.0	59.6	75	10	30	51-108	
4-Chlorophenyl phenyl ether	80.0	75.5	94	2	30	60-114	
4-Methylphenol	80.0	58.4	73	2	30	34-78	
4-Nitroaniline	80.0	65.6	82	2	30	48-135	
4-Nitrophenol	160	60.5	38	1	30	11-47	
Acenaphthene	80.0	75.5	94	1	30	58-107	
Acenaphthylene	80.0	73.7	92	3	30	61-106	
Acetophenone	80.0	78.0	98	2	30	54-115	
Anthracene	80.0	76.0	95	1	30	70-118	
Benzo[a]anthracene	80.0	77.5	97	1	30	73-119	
Benzo[a]pyrene	80.0	66.9	84	1	30	76-125	
Benzo[b]fluoranthene	80.0	74.6	93	1	30	78-123	
Benzo[g,h,i]perylene	80.0	77.3	97	1	30	63-133	
Benzo[k]fluoranthene	80.0	71.4	89	2	30	71-126	
Bis(2-chloroethoxy)methane	80.0	80.6	101	4	30	67-104	
Bis(2-chloroethyl)ether	80.0	73.8	92	1	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	85.2	107	1	30	63-135	
Butyl benzyl phthalate	80.0	78.6	98	2	30	66-129	
Carbazole	80.0	74.0	92	0	30	68-121	
Chrysene	80.0	80.7	101	2	30	73-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167239.D

Lab ID: LCSD 460-665354/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	79.3	99	0	30	59-136	
Dibenzofuran	80.0	75.1	94	1	30	67-108	
Diethyl phthalate	80.0	71.7	90	1	30	61-129	
Dimethyl phthalate	80.0	70.6	88	2	30	65-121	
Di-n-butyl phthalate	80.0	76.0	95	0	30	64-130	
Di-n-octyl phthalate	80.0	73.7	92	2	30	64-131	
Fluoranthene	80.0	71.7	90	0	30	66-123	
Fluorene	80.0	75.2	94	1	30	67-112	
Hexachlorobenzene	80.0	76.3	95	1	30	63-125	
Hexachlorobutadiene	80.0	41.2	52	2	30	34-99	
Hexachlorocyclopentadiene	80.0	58.4	73	5	30	18-99	
Hexachloroethane	80.0	35.8	45	3	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	80.0	100	2	30	57-142	
Isophorone	80.0	77.1	96	3	30	55-105	
Naphthalene	80.0	64.0	80	2	30	51-98	
Nitrobenzene	80.0	76.8	96	2	30	56-106	
N-Nitrosodi-n-propylamine	80.0	79.3	99	1	30	48-118	
N-Nitrosodiphenylamine	80.0	76.4	95	1	30	69-118	
Pentachlorophenol	160	151	94	0	30	54-120	
Phenanthrene	80.0	75.9	95	1	30	70-117	
Phenol	80.0	30.4	38	0	30	16-43	
Pyrene	80.0	79.5	99	1	30	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167241.D

Lab ID: LCSD 460-665354/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Atrazine	160	179	112	18	30	38-146	
Benzaldehyde	160	154	96	13	30	46-111	
Caprolactam	160	49.8	31	7	30	10-43	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167248.D

Lab ID: 460-199751-F-5-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	1.2 U	64.8	81	54-108	
1,2,4,5-Tetrachlorobenzene	80.0	1.2 U	61.6	77	46-105	
2,2'-oxybis[1-chloropropane]	80.0	0.63 U	70.9	89	50-108	
2,3,4,6-Tetrachlorophenol	80.0	0.75 U	67.1	84	57-122	
2,4,5-Trichlorophenol	80.0	0.88 U	66.6	83	59-117	
2,4,6-Trichlorophenol	80.0	0.86 U	66.2	83	62-120	
2,4-Dichlorophenol	80.0	1.1 U	64.2	80	62-102	
2,4-Dimethylphenol	80.0	0.62 U	61.5	77	61-95	
2,4-Dinitrophenol	160	14 U	131	82	45-125	
2,4-Dinitrotoluene	80.0	1.0 U	74.7	93	70-123	
2,6-Dinitrotoluene	80.0	0.83 U	71.8	90	68-121	
2-Chloronaphthalene	80.0	1.2 U	63.3	79	54-105	
2-Chlorophenol	80.0	0.38 U	57.0	71	54-92	
2-Methylnaphthalene	80.0	1.1 U	62.7	78	47-104	
2-Methylphenol	80.0	0.67 U	49.3	62	43-80	
2-Nitroaniline	80.0	0.47 U	67.2	84	46-124	
2-Nitrophenol	80.0	0.75 U	65.2	82	58-109	
3,3'-Dichlorobenzidine	80.0	1.4 U	51.1	64	68-123	F1
3-Nitroaniline	80.0	1.9 U	57.9	72	60-117	
4,6-Dinitro-2-methylphenol	160	13 U	153	95	59-132	
4-Bromophenyl phenyl ether	80.0	0.75 U	72.7	91	57-126	
4-Chloro-3-methylphenol	80.0	0.58 U	63.8	80	58-98	
4-Chloroaniline	80.0	1.9 U	36.5	46	51-108	F1
4-Chlorophenyl phenyl ether	80.0	1.3 U	67.6	85	60-114	
4-Methylphenol	80.0	0.65 U	47.3	59	34-78	
4-Nitroaniline	80.0	1.2 U	58.9	74	48-135	
4-Nitrophenol	160	4.0 U	53.1	33	11-47	
Acenaphthene	80.0	1.1 U	68.9	86	58-107	
Acenaphthylene	80.0	0.82 U	67.3	84	61-106	
Acetophenone	80.0	2.3 U	67.0	84	54-115	
Anthracene	80.0	0.63 U	72.7	91	70-118	
Atrazine	160	1.3 U	149	93	38-146	
Benzaldehyde	160	2.1 U	136	85	46-111	
Benzo[a]anthracene	80.0	0.59 U	76.4	95	73-119	
Benzo[a]pyrene	80.0	0.41 U	65.0	81	76-125	
Benzo[b]fluoranthene	80.0	0.68 U	70.7	88	78-123	
Benzo[g,h,i]perylene	80.0	1.4 U	74.5	93	63-133	
Benzo[k]fluoranthene	80.0	0.67 U	69.9	87	71-126	
Bis(2-chloroethoxy)methane	80.0	0.59 U	72.3	90	67-104	
Bis(2-chloroethyl)ether	80.0	0.63 U	66.7	83	63-106	
Bis(2-ethylhexyl) phthalate	80.0	1.7 U	81.8	102	63-135	
Butyl benzyl phthalate	80.0	0.85 U	76.2	95	66-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167248.D

Lab ID: 460-199751-F-5-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Caprolactam	160	0.68 U	40.3	25	10-43	
Carbazole	80.0	0.68 U	70.5	88	68-121	
Chrysene	80.0	0.91 U	77.9	97	73-121	
Dibenz(a,h)anthracene	80.0	0.72 U	77.0	96	59-136	
Dibenzofuran	80.0	1.1 U	69.9	87	67-108	
Diethyl phthalate	80.0	0.98 U	68.0	85	61-129	
Dimethyl phthalate	80.0	0.77 U	67.6	85	65-121	
Di-n-butyl phthalate	80.0	0.84 U	73.4	92	64-130	
Di-n-octyl phthalate	80.0	4.8 U	70.9	89	64-131	
Fluoranthene	80.0	0.84 U	69.6	87	66-123	
Fluorene	80.0	0.91 U	69.6	87	67-112	
Hexachlorobenzene	80.0	0.40 U	73.7	92	63-125	
Hexachlorobutadiene	80.0	0.78 U	44.6	56	34-99	
Hexachlorocyclopentadiene	80.0	3.6 U	55.1	69	18-99	
Hexachloroethane	80.0	0.80 U	36.9	46	39-92	
Indeno[1,2,3-cd]pyrene	80.0	0.94 U	73.2	92	57-142	
Isophorone	80.0	0.80 U	69.3	87	55-105	
Naphthalene	80.0	1.1 U	59.9	75	51-98	
Nitrobenzene	80.0	0.57 U	68.9	86	56-106	
N-Nitrosodi-n-propylamine	80.0	0.43 U	68.6	86	48-118	
N-Nitrosodiphenylamine	80.0	0.89 U	71.9	90	69-118	
Pentachlorophenol	160	1.4 U	146	91	54-120	
Phenanthrene	80.0	0.58 U	73.4	92	70-117	
Phenol	80.0	0.29 U	24.9	31	16-43	
Pyrene	80.0	1.6 U	77.5	97	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167249.D

Lab ID: 460-199751-C-5-A MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	88.4	111	31	30	54-108	F1 F2
1,2,4,5-Tetrachlorobenzene	80.0	84.7	106	32	30	46-105	F1 F2
2,2'-oxybis[1-chloropropane]	80.0	96.5	121	31	30	50-108	F1 F2
2,3,4,6-Tetrachlorophenol	80.0	87.9	110	27	30	57-122	
2,4,5-Trichlorophenol	80.0	90.8	113	31	30	59-117	F2
2,4,6-Trichlorophenol	80.0	89.5	112	30	30	62-120	
2,4-Dichlorophenol	80.0	89.7	112	33	30	62-102	F1 F2
2,4-Dimethylphenol	80.0	85.2	107	32	30	61-95	F1 F2
2,4-Dinitrophenol	160	177	110	30	30	45-125	
2,4-Dinitrotoluene	80.0	95.5	119	24	30	70-123	
2,6-Dinitrotoluene	80.0	96.2	120	29	30	68-121	
2-Chloronaphthalene	80.0	86.0	108	30	30	54-105	F1
2-Chlorophenol	80.0	79.5	99	33	30	54-92	F1 F2
2-Methylnaphthalene	80.0	87.2	109	33	30	47-104	F1 F2
2-Methylphenol	80.0	70.2	88	35	30	43-80	F1 F2
2-Nitroaniline	80.0	93.8	117	33	30	46-124	F2
2-Nitrophenol	80.0	93.2	117	35	30	58-109	F1 F2
3,3'-Dichlorobenzidine	80.0	78.6	98	42	30	68-123	F2
3-Nitroaniline	80.0	78.1	98	30	30	60-117	
4,6-Dinitro-2-methylphenol	160	199	124	26	30	59-132	
4-Bromophenyl phenyl ether	80.0	96.3	120	28	30	57-126	
4-Chloro-3-methylphenol	80.0	86.6	108	30	30	58-98	F1
4-Chloroaniline	80.0	61.8	77	51	30	51-108	F2
4-Chlorophenyl phenyl ether	80.0	90.9	114	29	30	60-114	
4-Methylphenol	80.0	68.4	85	36	30	34-78	F1 F2
4-Nitroaniline	80.0	79.1	99	29	30	48-135	
4-Nitrophenol	160	71.8	45	30	30	11-47	
Acenaphthene	80.0	92.8	116	30	30	58-107	F1
Acenaphthylene	80.0	90.3	113	29	30	61-106	F1
Acetophenone	80.0	90.2	113	30	30	54-115	
Anthracene	80.0	93.4	117	25	30	70-118	
Atrazine	160	169	106	13	30	38-146	
Benzaldehyde	160	155	97	13	30	46-111	
Benzo[a]anthracene	80.0	98.0	122	25	30	73-119	F1
Benzo[a]pyrene	80.0	85.4	107	27	30	76-125	
Benzo[b]fluoranthene	80.0	89.8	112	24	30	78-123	
Benzo[g,h,i]perylene	80.0	100	125	29	30	63-133	
Benzo[k]fluoranthene	80.0	91.1	114	26	30	71-126	
Bis(2-chloroethoxy)methane	80.0	97.8	122	30	30	67-104	F1
Bis(2-chloroethyl)ether	80.0	89.6	112	29	30	63-106	F1
Bis(2-ethylhexyl) phthalate	80.0	108	136	28	30	63-135	F1
Butyl benzyl phthalate	80.0	100	125	27	30	66-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A167249.D

Lab ID: 460-199751-C-5-A MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	160	43.8	27	8	30	10-43	
Carbazole	80.0	90.2	113	25	30	68-121	
Chrysene	80.0	102	128	27	30	73-121	F1
Dibenz(a,h)anthracene	80.0	102	128	28	30	59-136	
Dibenzofuran	80.0	93.2	116	28	30	67-108	F1
Diethyl phthalate	80.0	87.4	109	25	30	61-129	
Dimethyl phthalate	80.0	87.3	109	25	30	65-121	
Di-n-butyl phthalate	80.0	94.6	118	25	30	64-130	
Di-n-octyl phthalate	80.0	90.8	113	25	30	64-131	
Fluoranthene	80.0	87.6	109	23	30	66-123	
Fluorene	80.0	90.0	112	26	30	67-112	
Hexachlorobenzene	80.0	95.2	119	25	30	63-125	
Hexachlorobutadiene	80.0	65.7	82	38	30	34-99	F2
Hexachlorocyclopentadiene	80.0	84.8	106	42	30	18-99	F1 F2
Hexachloroethane	80.0	56.0	70	41	30	39-92	F2
Indeno[1,2,3-cd]pyrene	80.0	100	125	31	30	57-142	F2
Isophorone	80.0	96.3	120	33	30	55-105	F1 F2
Naphthalene	80.0	82.8	103	32	30	51-98	F1 F2
Nitrobenzene	80.0	91.2	114	28	30	56-106	F1
N-Nitrosodi-n-propylamine	80.0	93.9	117	31	30	48-118	F2
N-Nitrosodiphenylamine	80.0	95.2	119	28	30	69-118	F1
Pentachlorophenol	160	187	117	24	30	54-120	
Phenanthrene	80.0	93.7	117	24	30	70-117	
Phenol	80.0	35.2	44	34	30	16-43	F1 F2
Pyrene	80.0	99.6	125	25	30	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab File ID: A167242.D Lab Sample ID: MB 460-665354/1-A

Matrix: Water Date Extracted: 12/27/2019 08:34

Instrument ID: CBNAMS16 Date Analyzed: 12/27/2019 22:42

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-665354/2-A	A167238.D	12/27/2019 21:18
	LCSD 460-665354/3-A	A167239.D	12/27/2019 21:39
	LCS 460-665354/4-A	A167240.D	12/27/2019 22:00
	LCSD 460-665354/5-A	A167241.D	12/27/2019 22:21
	LB 460-665221/1-B	A167243.D	12/27/2019 23:03
	LB 460-665213/1-B	A167245.D	12/27/2019 23:45
	460-199751-F-5-A MS	A167248.D	12/28/2019 00:47
	460-199751-C-5-A MSD	A167249.D	12/28/2019 01:08
MW-2	460-199723-1	A167264.D	12/28/2019 06:23
MW-1	460-199723-2	A167265.D	12/28/2019 06:44
Duplicate	460-199723-3	A167266.D	12/28/2019 07:05

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab File ID: A166085.D DFTPP Injection Date: 11/22/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 09:13

Analysis Batch No.: 657425

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	37.7	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	37.9	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	50.2	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	20.9	
365	Greater than 1% of mass 198	2.5	
441	present but less than 24% of mass 442	10.4	(15.4) 2
442	Greater than 50% of mass 198	67.2	
443	15-24% of mass 442	12.9	(19.2) 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 460-657425/2	A166086.D	11/22/2019	09:35
	STD24 460-657425/3	A166087.D	11/22/2019	10:40
	STD16 460-657425/4	A166088.D	11/22/2019	11:01
	STD4 460-657425/5	A166089.D	11/22/2019	11:22
	STD2 460-657425/6	A166090.D	11/22/2019	11:43
	STD1 460-657425/7	A166091.D	11/22/2019	12:04
	STD02 460-657425/8	A166092.D	11/22/2019	12:25
	STD01 460-657425/9	A166093.D	11/22/2019	12:46
	STD10 460-657425/11	A166095.D	11/22/2019	13:28
	STD24 460-657425/12	A166096.D	11/22/2019	13:48
	STD16 460-657425/13	A166097.D	11/22/2019	14:09
	STD4 460-657425/14	A166098.D	11/22/2019	14:30
	STD2 460-657425/15	A166099.D	11/22/2019	14:51
	STD1 460-657425/16	A166100.D	11/22/2019	15:12
	STD02 460-657425/17	A166101.D	11/22/2019	15:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab File ID: A167234.D DFTPP Injection Date: 12/27/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 19:44

Analysis Batch No.: 665495

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	38.2	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	37.8	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	50.2	
197	Less than 2% of mass 198	0.5	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	20.9	
365	Greater than 1% of mass 198	2.5	
441	present but less than 24% of mass 442	10.1	(15.7) 2
442	Greater than 50% of mass 198	64.6	
443	15-24% of mass 442	12.5	(19.3) 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 460-665495/2	A167235.D	12/27/2019	20:00
	CCV 460-665495/3	A167236.D	12/27/2019	20:33
	LCS 460-665354/2-A	A167238.D	12/27/2019	21:18
	LCSD 460-665354/3-A	A167239.D	12/27/2019	21:39
	LCS 460-665354/4-A	A167240.D	12/27/2019	22:00
	LCSD 460-665354/5-A	A167241.D	12/27/2019	22:21
	MB 460-665354/1-A	A167242.D	12/27/2019	22:42
	LB 460-665221/1-B	A167243.D	12/27/2019	23:03
	LB 460-665213/1-B	A167245.D	12/27/2019	23:45
	460-199751-F-5-A MS	A167248.D	12/28/2019	00:47
	460-199751-C-5-A MSD	A167249.D	12/28/2019	01:08
MW-2	460-199723-1	A167264.D	12/28/2019	06:23
MW-1	460-199723-2	A167265.D	12/28/2019	06:44
Duplicate	460-199723-3	A167266.D	12/28/2019	07:05

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Sample No.: CCVIS 460-665495/2 Date Analyzed: 12/27/2019 20:00

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A167235.D Heated Purge: (Y/N) N

Calibration ID: 77571

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		464253	3.85	1831037	5.08	827868	6.74
UPPER LIMIT		928506	4.35	3662074	5.58	1655736	7.24
LOWER LIMIT		232127	3.35	915519	4.58	413934	6.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-665495/3		420393	3.85	1672208	5.08	801904	6.74
LCS 460-665354/2-A		490370	3.85	1947570	5.08	866091	6.74
LCSD 460-665354/3-A		510563	3.85	1998740	5.08	900921	6.74
LCS 460-665354/4-A		474203	3.85	1905069	5.07	911230	6.73
LCSD 460-665354/5-A		486013	3.85	1914212	5.07	895925	6.73
MB 460-665354/1-A		603292	3.85	2393030	5.07	1112332	6.73
LB 460-665221/1-B		533678	3.85	2054276	5.07	971454	6.73
LB 460-665213/1-B		583371	3.85	2328513	5.07	1081924	6.73
460-199751-F-5-A MS		561981	3.85	2204315	5.08	968481	6.74
460-199751-C-5-A MSD		532402	3.85	2055698	5.08	905378	6.74
460-199723-1	MW-2	550761	3.85	2159342	5.07	1002544	6.73
460-199723-2	MW-1	543330	3.85	2126091	5.07	946042	6.73
460-199723-3	Duplicate	549231	3.85	2148538	5.07	985037	6.73

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 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Sample No.: CCVIS 460-665495/2 Date Analyzed: 12/27/2019 20:00

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A167235.D Heated Purge: (Y/N) N

Calibration ID: 77571

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1160175	8.13	652030	10.64	745575	12.29
UPPER LIMIT		2320350	8.63	1304060	11.14	1491150	12.79
LOWER LIMIT		580088	7.63	326015	10.14	372788	11.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-665495/3		1243626	8.13	704459	10.63	696030	12.29
LCS 460-665354/2-A		1241426	8.13	712178	10.63	812389	12.29
LCSD 460-665354/3-A		1290509	8.13	756103	10.63	866022	12.29
LCS 460-665354/4-A		1359643	8.12	776368	10.63	773617	12.29
LCSD 460-665354/5-A		1338378	8.12	758097	10.63	773232	12.29
MB 460-665354/1-A		1682892	8.12	944706	10.63	972548	12.29
LB 460-665221/1-B		1464592	8.12	804970	10.63	833161	12.29
LB 460-665213/1-B		1624617	8.12	915780	10.63	898150	12.29
460-199751-F-5-A MS		1359649	8.13	780745	10.63	886115	12.29
460-199751-C-5-A MSD		1280855	8.13	732624	10.63	873789	12.29
460-199723-1	MW-2	1477008	8.12	854732	10.63	886270	12.29
460-199723-2	MW-1	1403959	8.12	796237	10.63	846186	12.29
460-199723-3	Duplicate	1443830	8.12	815605	10.63	873844	12.29

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: A167264.D

Analysis Method: 8270D Date Collected: 12/23/2019 09:45

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:23

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: A167264.D

Analysis Method: 8270D Date Collected: 12/23/2019 09:45

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:23

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: A167264.D

Analysis Method: 8270D Date Collected: 12/23/2019 09:45

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:23

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		26-139
321-60-8	2-Fluorobiphenyl	85		45-107
367-12-4	2-Fluorophenol (Surr)	52		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	102		51-108
4165-62-2	Phenol-d5 (Surr)	37		14-39
1718-51-0	Terphenyl-d14 (Surr)	104		40-148

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: A167264.D

Analysis Method: 8270D Date Collected: 12/23/2019 09:45

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:23

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

Number TICs Found: 2 TIC Result Total: 18.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	10.08	6.5	J	
	Unknown	10.41	12	J	

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167264.D
Lims ID: 460-199723-I-1-B
Client ID: MW-2
Sample Type: Client
Inject. Date: 28-Dec-2019 06:23:30 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-031
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Dec-2019 22:48:36 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: hamziy Date: 28-Dec-2019 22:48:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.679	-0.012	97	550233	5.20	
$ 6 Phenol-d5	99	3.540	3.557	-0.011	0	458833	3.69	
* 14 1,4-Dichlorobenzene-d4	152	3.845	3.846	-0.001	98	550761	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.398	-0.005	87	1080893	10.2	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	2159342	8.00	
$ 51 2-Fluorobiphenyl	172	6.110	6.132	-0.006	98	1673842	8.53	
* 64 Acenaphthene-d10	164	6.733	6.739	-0.006	95	1002544	8.00	
$ 80 2,4,6-Tribromophenol	330	7.480	7.506	-0.006	90	184186	9.17	
* 87 Phenanthrene-d10	188	8.122	8.128	-0.006	99	1477008	8.00	
$ 96 Terphenyl-d14	244	9.633	9.687	-0.006	98	1198293	10.4	
* 102 Chrysene-d12	240	10.627	10.633	-0.006	98	854732	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	886270	8.00	

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167264.D				
Lims ID:	460-199723-I-1-B				
Client ID:	MW-2				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 06:23:30	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103548-031				
Operator ID:		Instrument ID:	CBNAMS16		
Method:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Dec-2019 22:48:36	Calib Date:	22-Nov-2019 15:33:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromna\Edison\Database\NIST02.L				
Min. Match:	80				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0325				
First Level Reviewer: hamziy		Date:	28-Dec-2019 22:48:36		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
Unknown								
10.080	266545	0.8071	102					
Unknown								
10.410	502025	1.52	102					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 102 Chrysene-d12	10.627	2642131	8.00

QC Flag Legend

Processing Flags

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

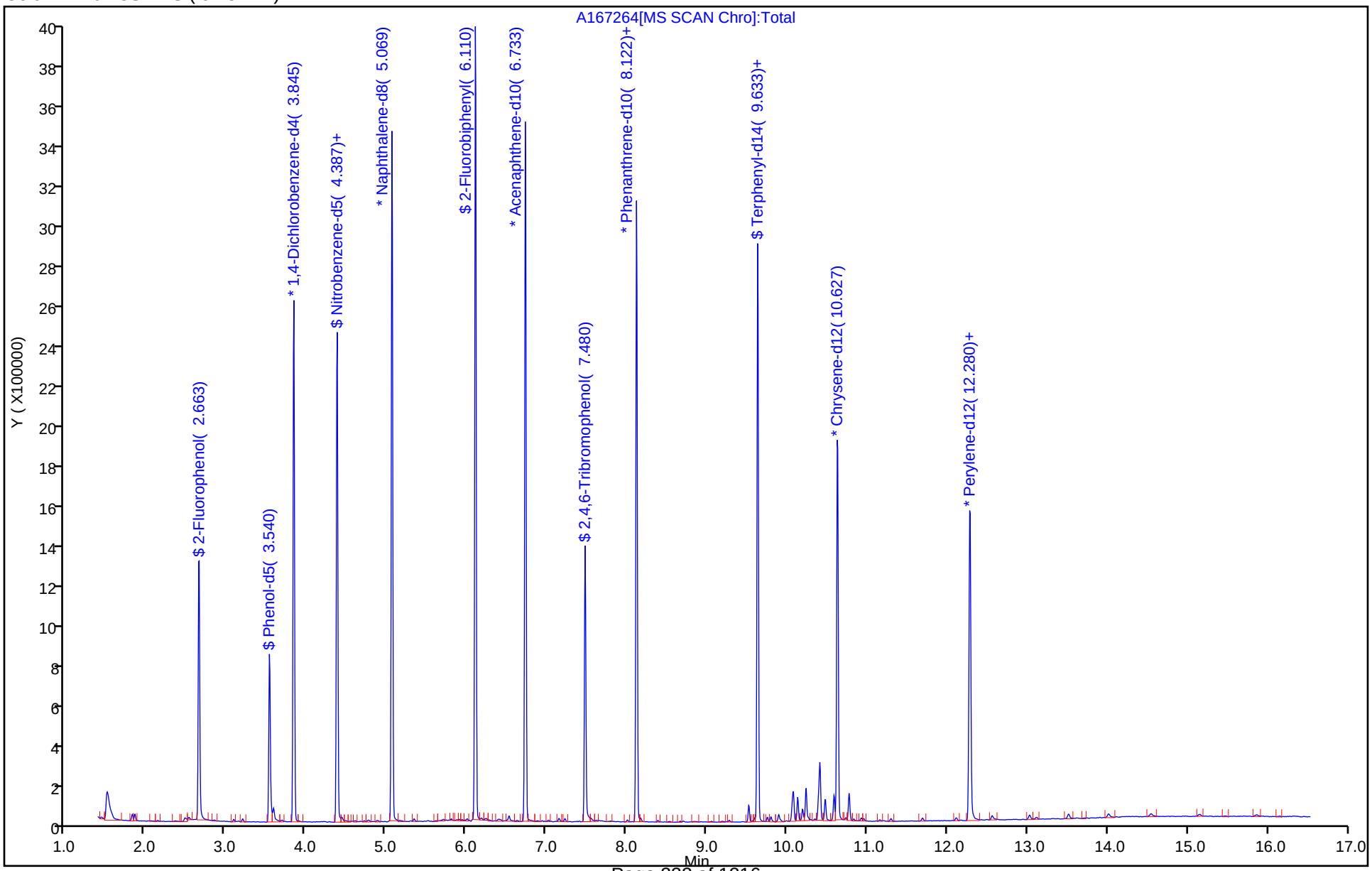
Report Date: 28-Dec-2019 22:48:37 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167264.D

Injection Date:	28-Dec-2019 06:23:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-199723-I-1-B	Lab Sample ID:	460-199723-1	Worklist Smp#:	31
Client ID:	MW-2				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



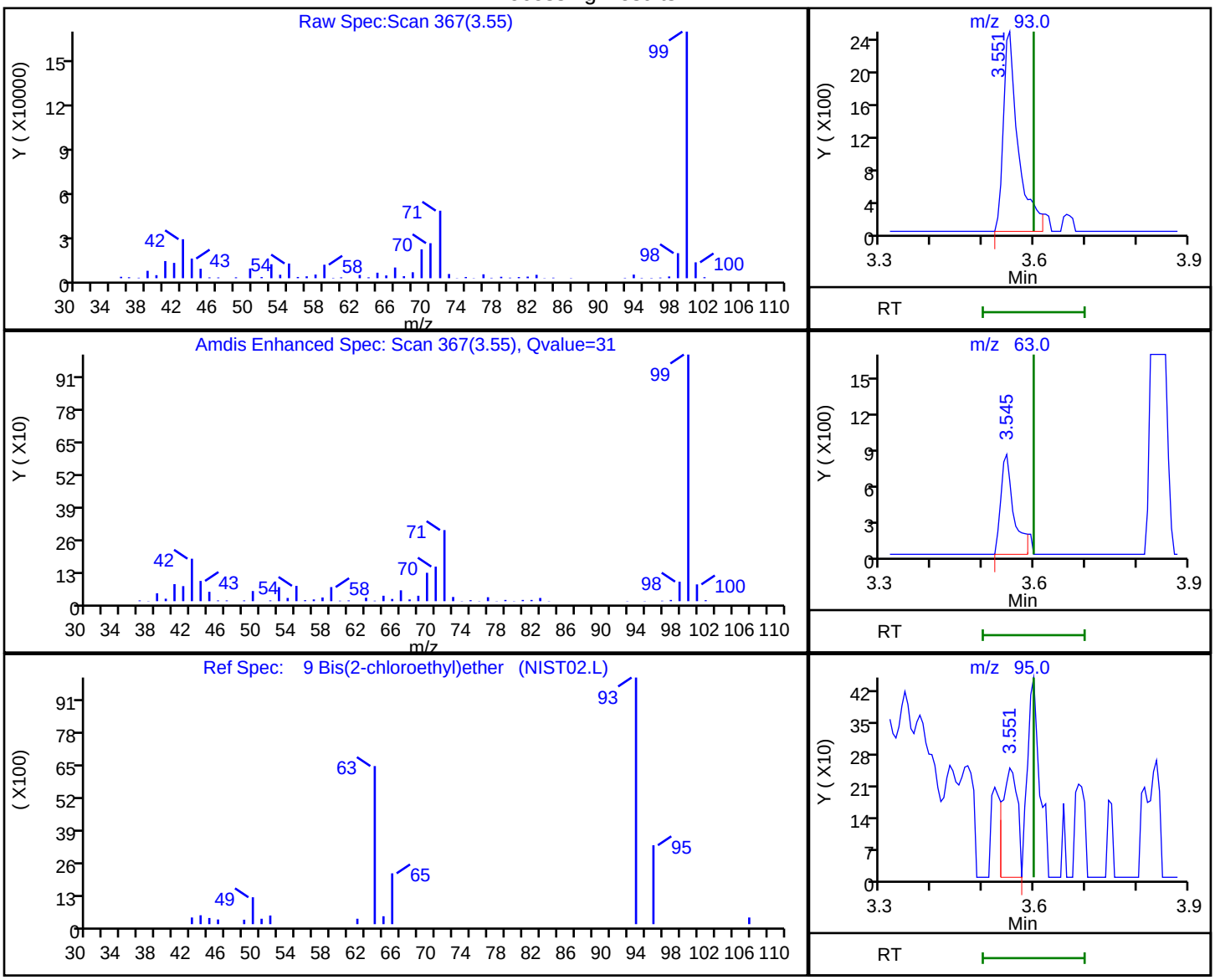
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167264.D				
Injection Date:	28-Dec-2019 06:23:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-I-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
3.55	93.00	5025	0.046872
3.55	63.00	1420	
3.55	95.00	489	

Reviewer: hamziy, 28-Dec-2019 22:48:30

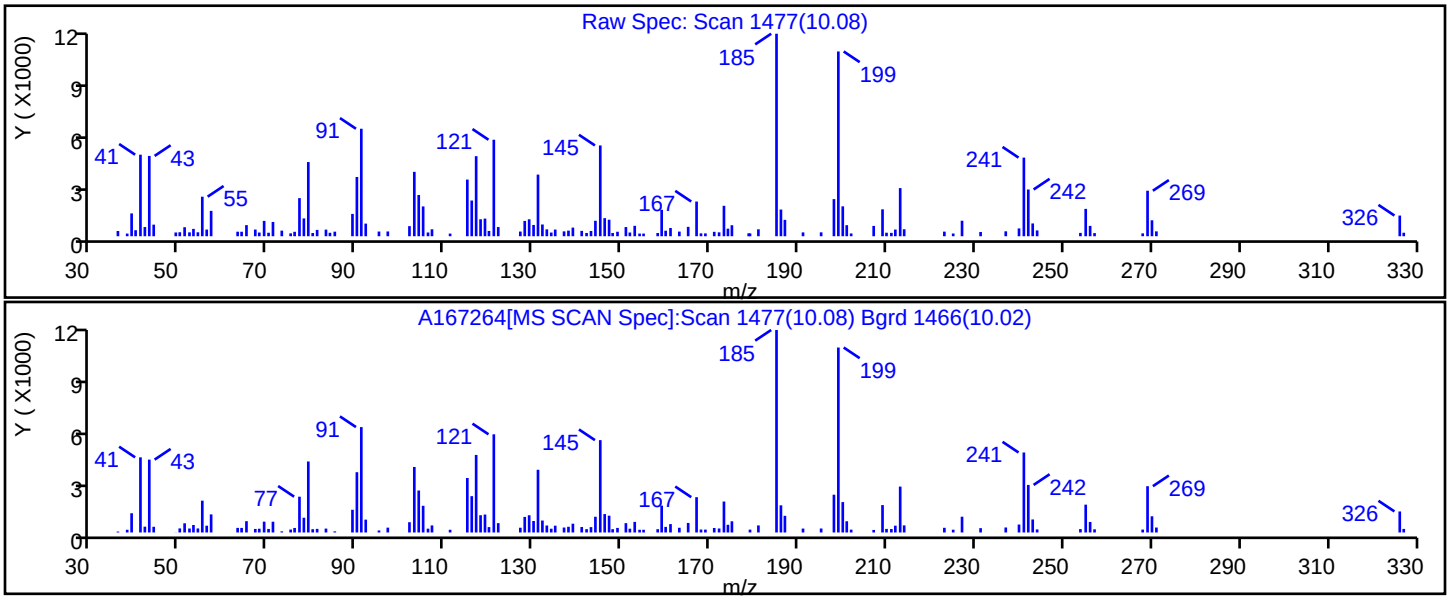
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 28-Dec-2019 22:48:37 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167264.D				
Injection Date:	28-Dec-2019 06:23:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-I-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80



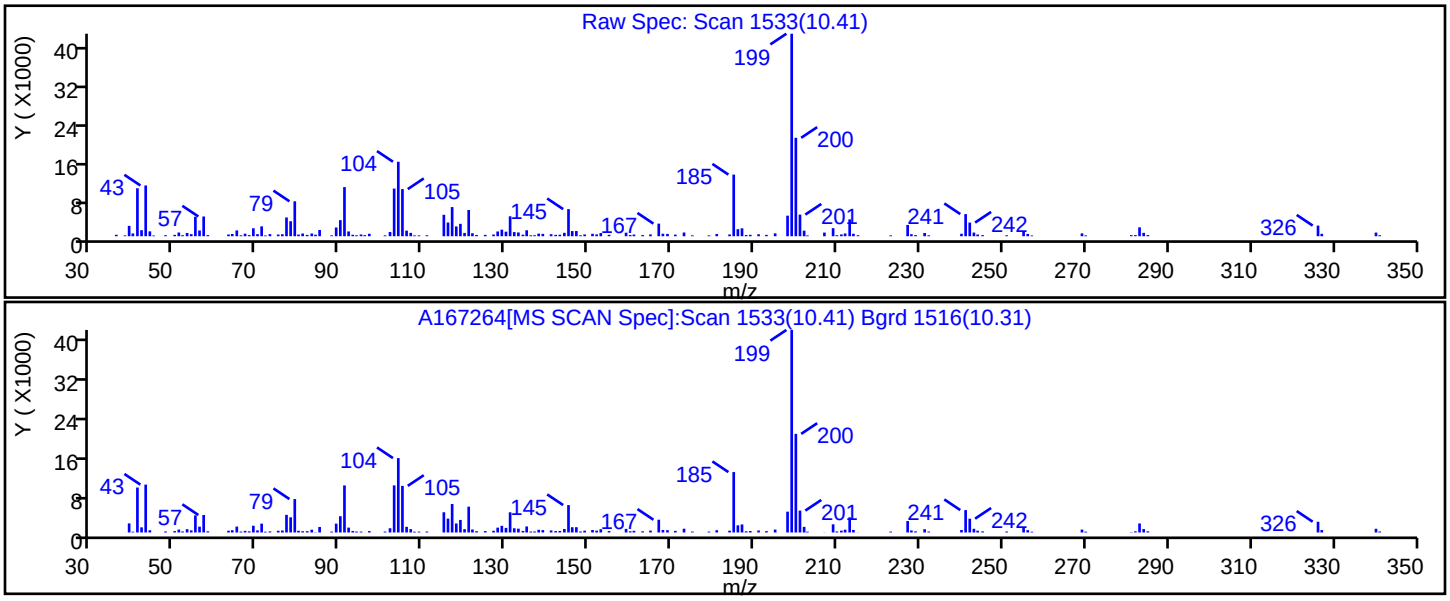
Report Date: 28-Dec-2019 22:48:37 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167264.D

Injection Date:	28-Dec-2019 06:23:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-I-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: A167265.D

Analysis Method: 8270D Date Collected: 12/23/2019 11:35

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:44

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: A167265.D

Analysis Method: 8270D Date Collected: 12/23/2019 11:35

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:44

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: A167265.D

Analysis Method: 8270D Date Collected: 12/23/2019 11:35

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:44

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	106		26-139
321-60-8	2-Fluorobiphenyl	97		45-107
367-12-4	2-Fluorophenol (Surr)	59	X	25-58
4165-60-0	Nitrobenzene-d5 (Surr)	113	X	51-108
4165-62-2	Phenol-d5 (Surr)	43	X	14-39
1718-51-0	Terphenyl-d14 (Surr)	116		40-148

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: A167265.D

Analysis Method: 8270D Date Collected: 12/23/2019 11:35

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 06:44

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

Number TICs Found: 20 TIC Result Total: 495

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	5.52	16	J	
	Unknown	5.61	12	J	
	Unknown	5.69	36	J	
	Unknown	5.75	29	J	
	Unknown	5.78	22	J	
	Unknown	5.81	19	J	
	Unknown	5.84	17	J	
	Unknown	5.88	25	J	
	Unknown	5.92	13	J	
	Unknown	5.97	31	J	
	Unknown	6.00	14	J	
	Unknown	6.03	25	J	
	Unknown	6.18	23	J	
629-59-4	Tetradecane	6.23	45	J N	96%
	Unknown	6.28	44	J	
	Unknown	6.40	23	J	
	Unknown	6.46	34	J	
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	6.53	44	J N	87%
	Unknown	6.59	12	J	
	Unknown	6.63	11	J	

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D
Lims ID: 460-199723-J-2-A
Client ID: MW-1
Sample Type: Client
Inject. Date: 28-Dec-2019 06:44:30 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-032
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Dec-2019 22:49:07 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: hamziy Date: 28-Dec-2019 22:49:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.679	-0.012	97	617413	5.91	
$ 6 Phenol-d5	99	3.540	3.557	-0.011	0	522773	4.26	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	98	543330	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.398	-0.005	87	1179343	11.3	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	2126091	8.00	
$ 51 2-Fluorobiphenyl	172	6.116	6.132	0.000	98	1790727	9.67	
* 64 Acenaphthene-d10	164	6.734	6.739	-0.005	95	946042	8.00	
$ 80 2,4,6-Tribromophenol	330	7.481	7.506	-0.005	91	201784	10.6	
* 87 Phenanthrene-d10	188	8.122	8.128	-0.006	99	1403959	8.00	
$ 96 Terphenyl-d14	244	9.633	9.687	-0.006	98	1242991	11.6	
* 102 Chrysene-d12	240	10.628	10.633	-0.005	98	796237	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	846186	8.00	

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Lims ID:	460-199723-J-2-A				
Client ID:	MW-1				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 06:44:30	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103548-032				
Operator ID:		Instrument ID:	CBNAMS16		
Method:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Dec-2019 22:49:07	Calib Date:	22-Nov-2019 15:33:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromna\Edison\Database\NIST02.L				
Min. Match:	80				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0325				
First Level Reviewer: hamziy		Date:	28-Dec-2019 22:49:07		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
5.522	1131830	2.00	38					
		Unknown						
5.610	833006	1.47	38					
		Unknown						
5.687	2565248	4.53	38					
		Unknown						
5.745	2026606	3.58	38					
		Unknown						
5.781	1583611	2.79	38					
		Unknown						
5.810	1324950	2.34	38					
		Unknown						
5.840	1188334	2.10	38					
		Unknown						
5.875	1763409	3.11	38					
		Unknown						
5.922	1583003	1.67	64					
		Unknown						
5.969	3672351	3.87	64					
		Unknown						
6.004	1644065	1.73	64					
		Unknown						
6.034	2921942	3.08	64					

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
6.181	2703726	2.85	64					
	629-59-4	Tetradecane						
6.228	5312466	5.60	64	96	55010	C14H30	198	
		Unknown						
6.275	5277718	5.56	64					
		Unknown						
6.404	2679621	2.82	64					
		Unknown						
6.463	3987112	4.20	64					
	54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-						
6.534	5252837	5.53	64	87	115581	C21H44	296	
		Unknown						
6.587	1428533	1.51	64					
		Unknown						
6.628	1263203	1.33	64					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 38 Naphthalene-d8	5.069	4533983	8.00
* 64 Acenaphthene-d10	6.734	7592235	8.00

QC Flag Legend

Processing Flags

Reagents:

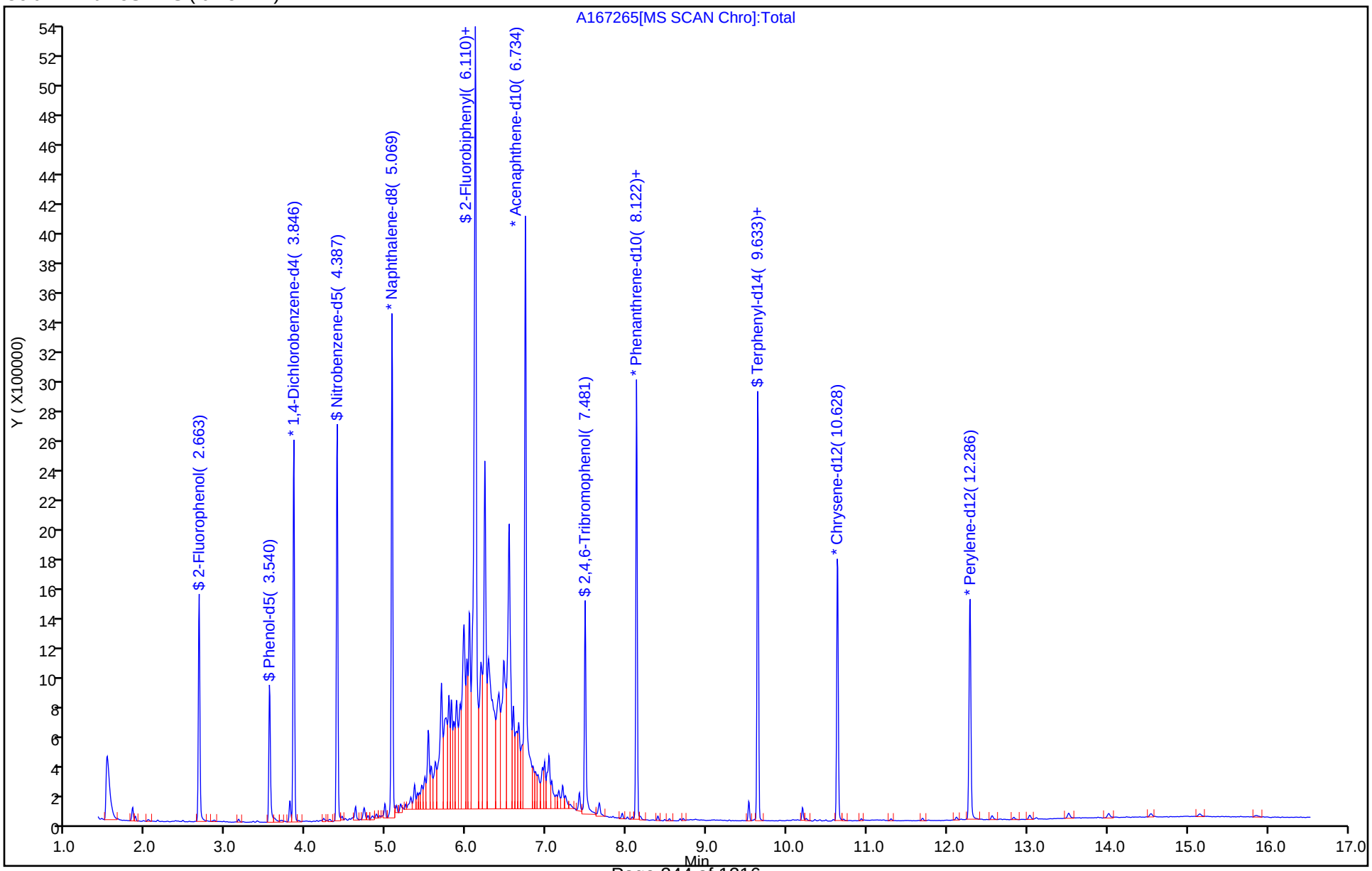
SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Dec-2019 22:49:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2	Worklist Smp#:	32
Client ID:	MW-1				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



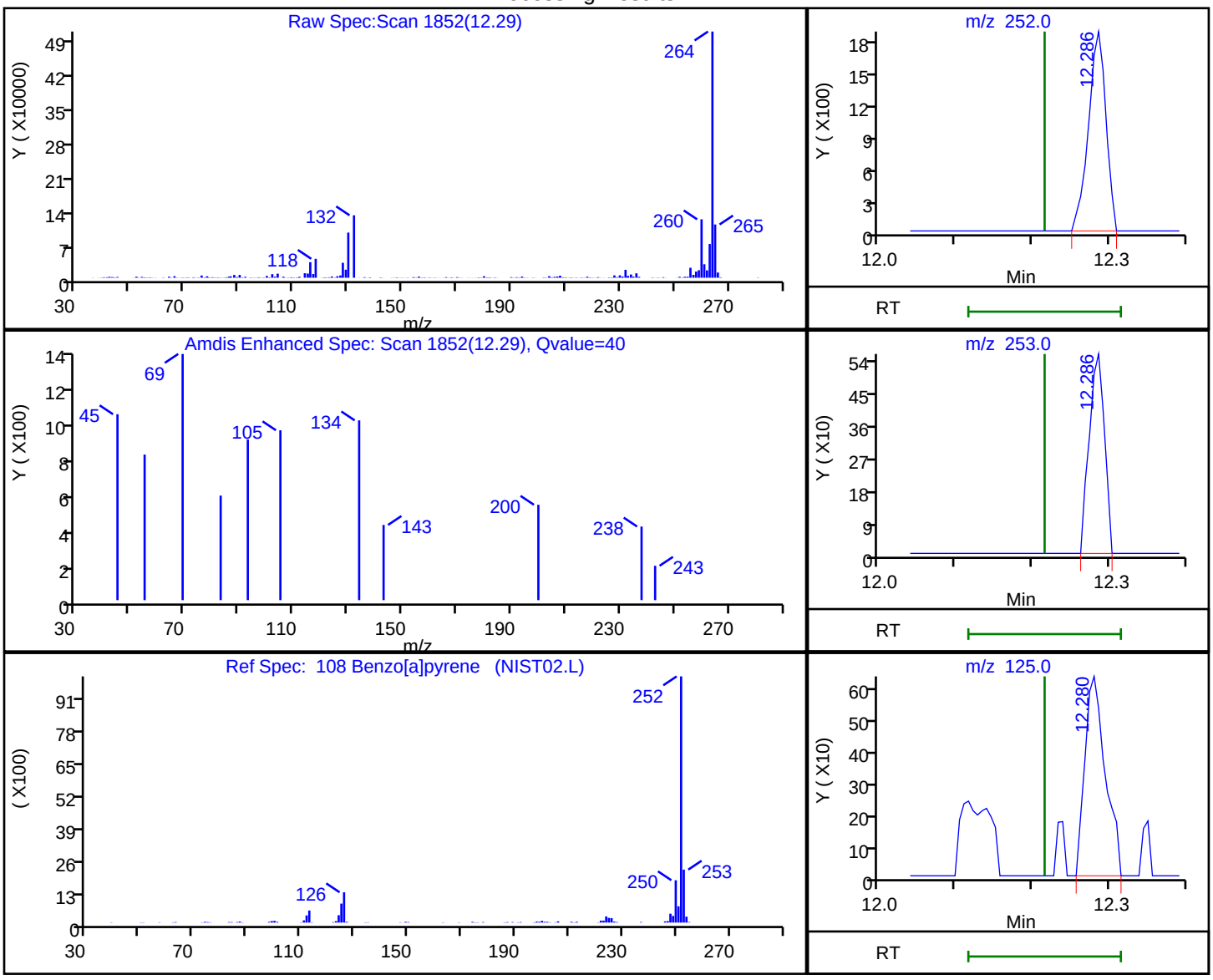
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.29	252.00	2983	0.024742
12.29	253.00	766	
12.28	125.00	1178	

Reviewer: hamziy, 28-Dec-2019 22:48:56

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

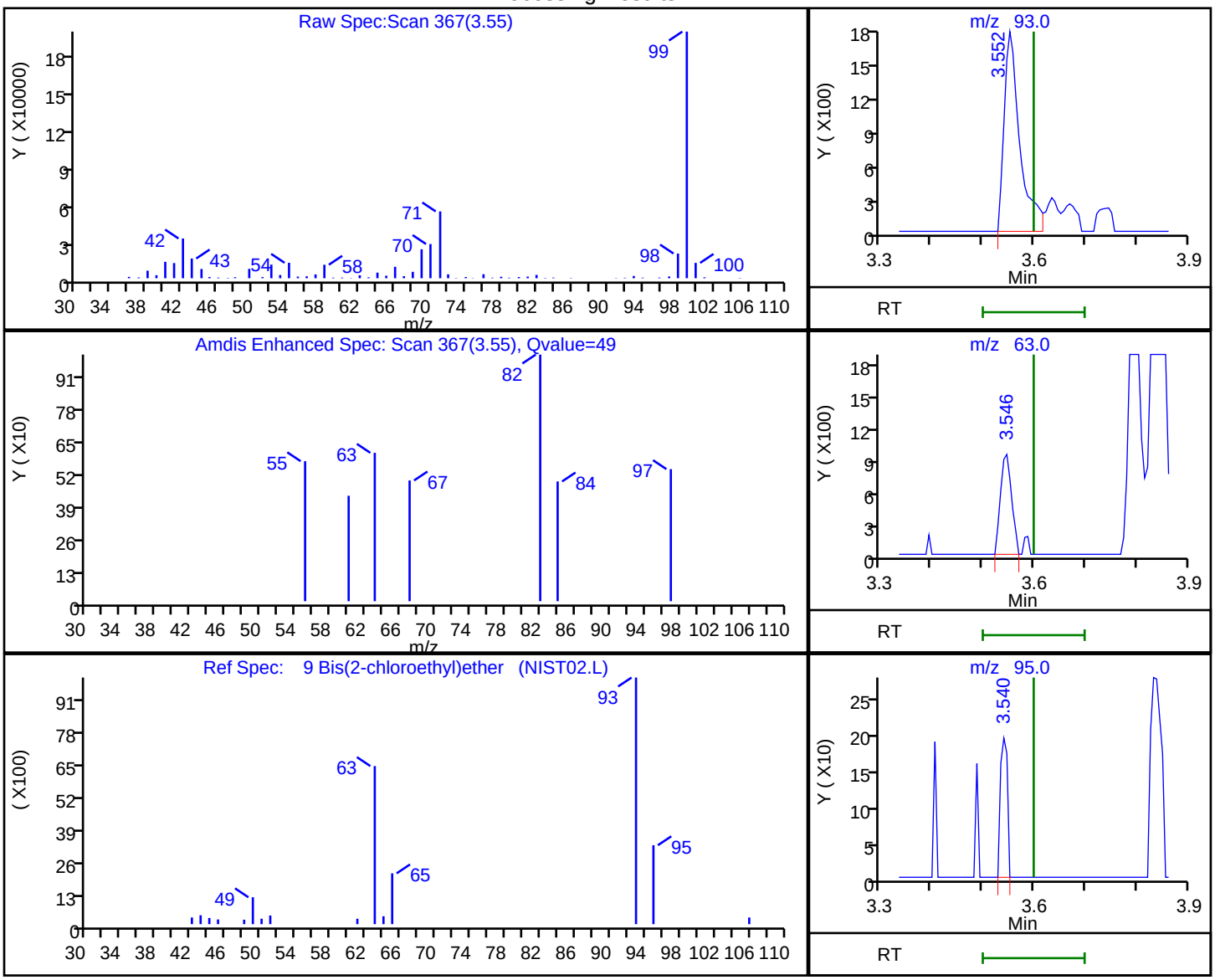
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

9 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
3.55	93.00	3783	0.035770
3.55	63.00	1396	
3.54	95.00	183	

Reviewer: hamziy, 28-Dec-2019 22:48:50

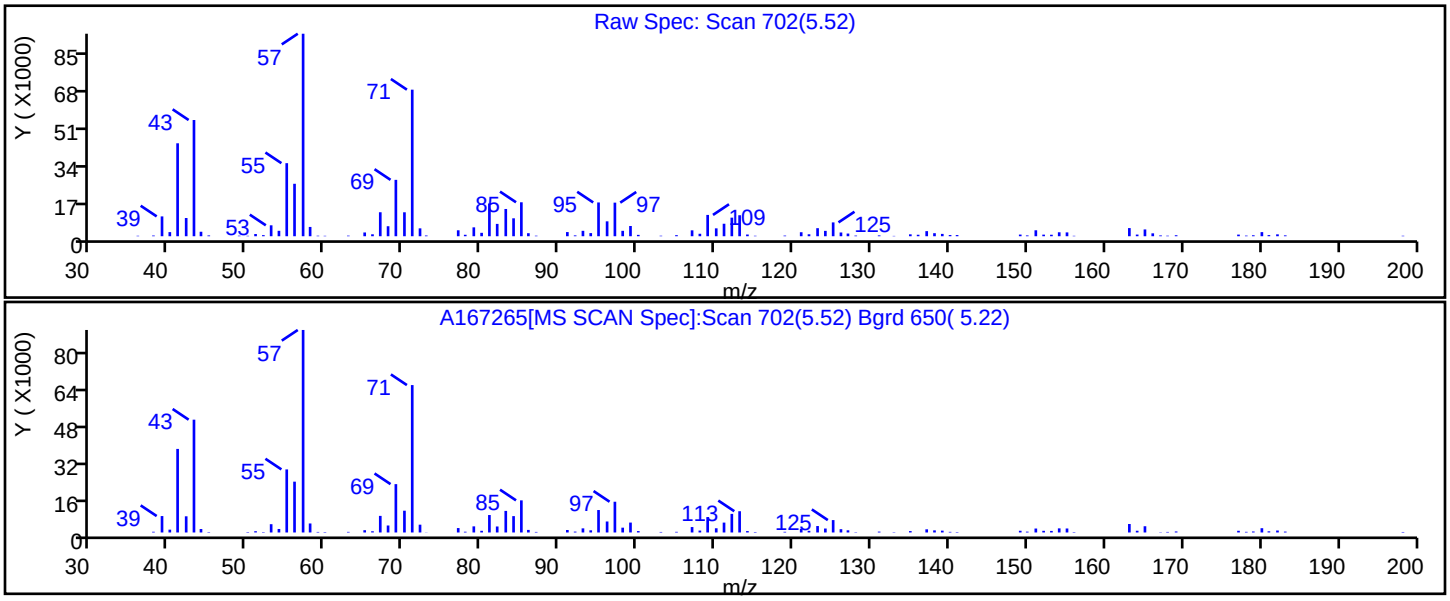
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

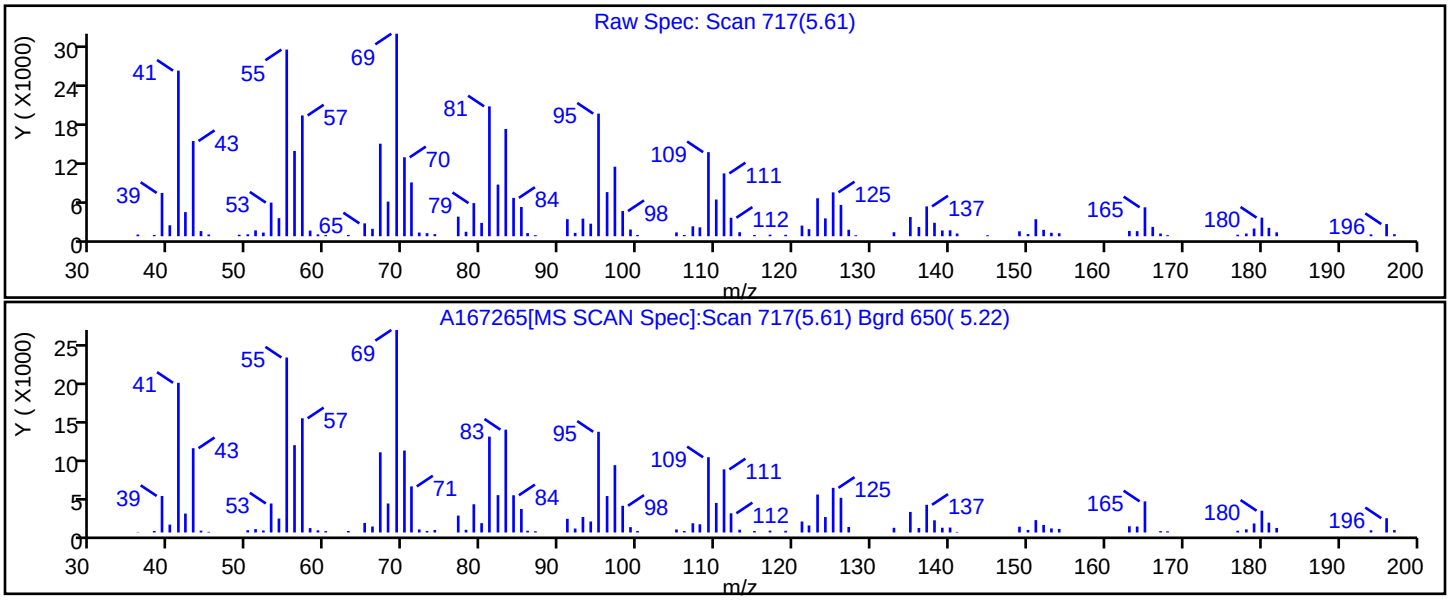


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

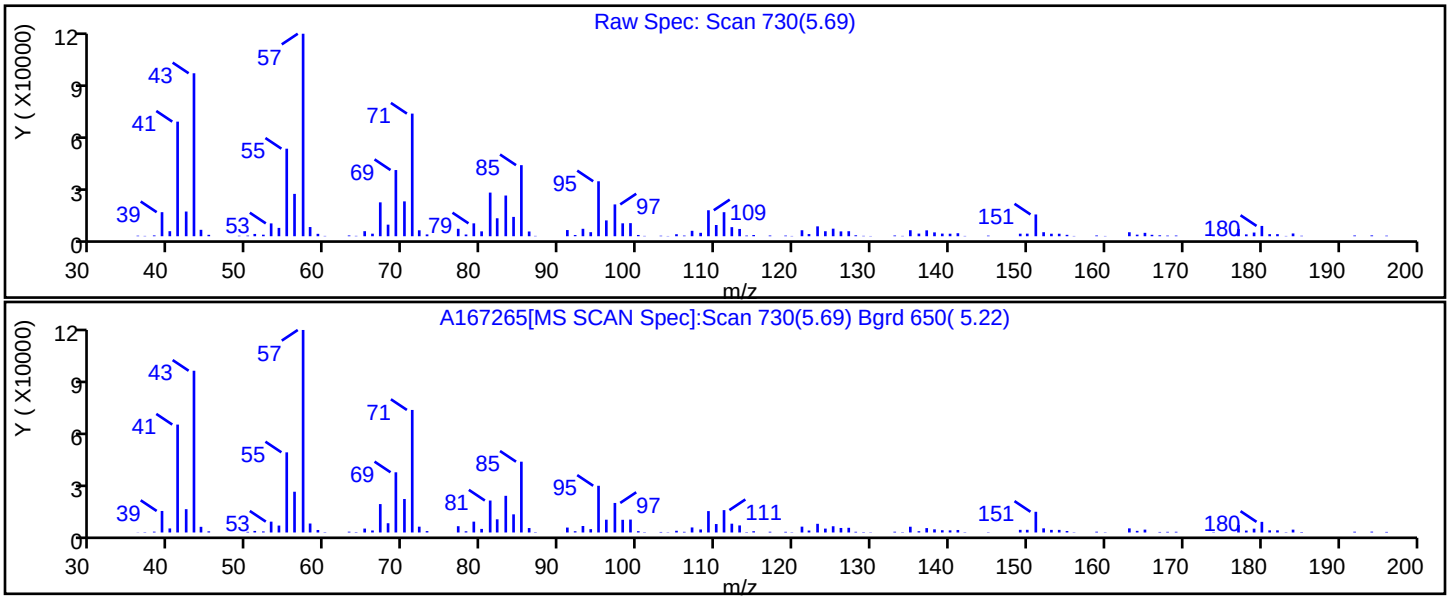


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

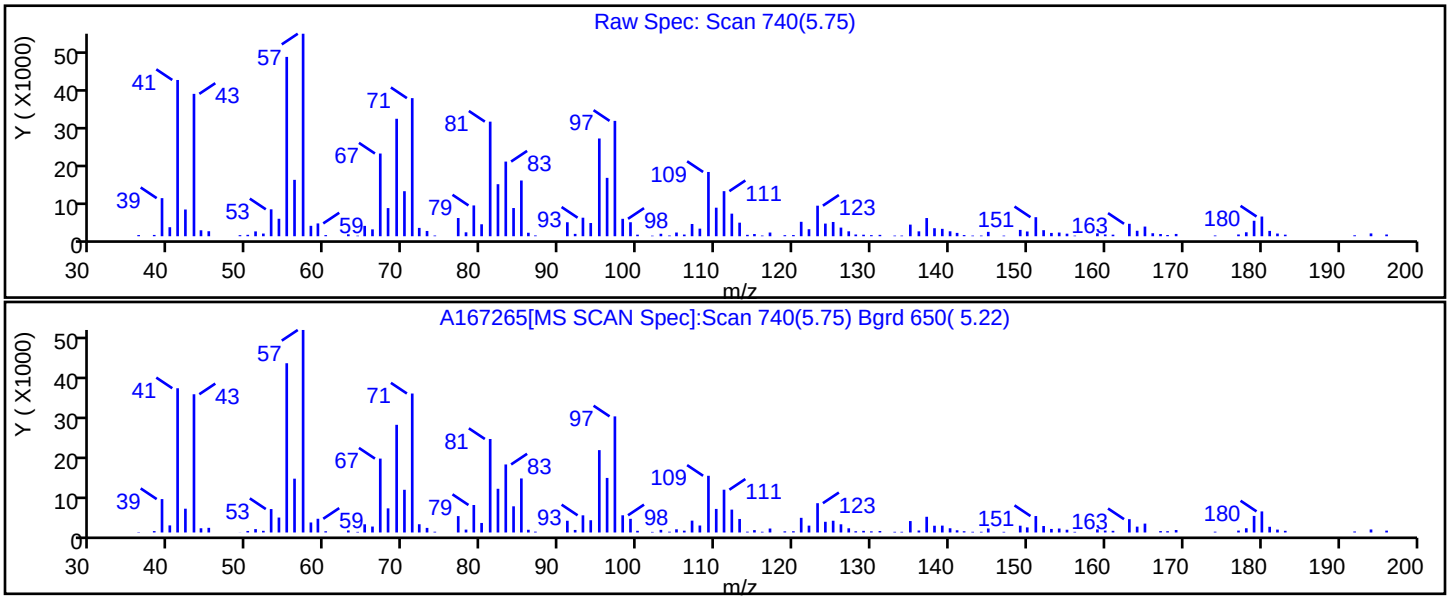


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

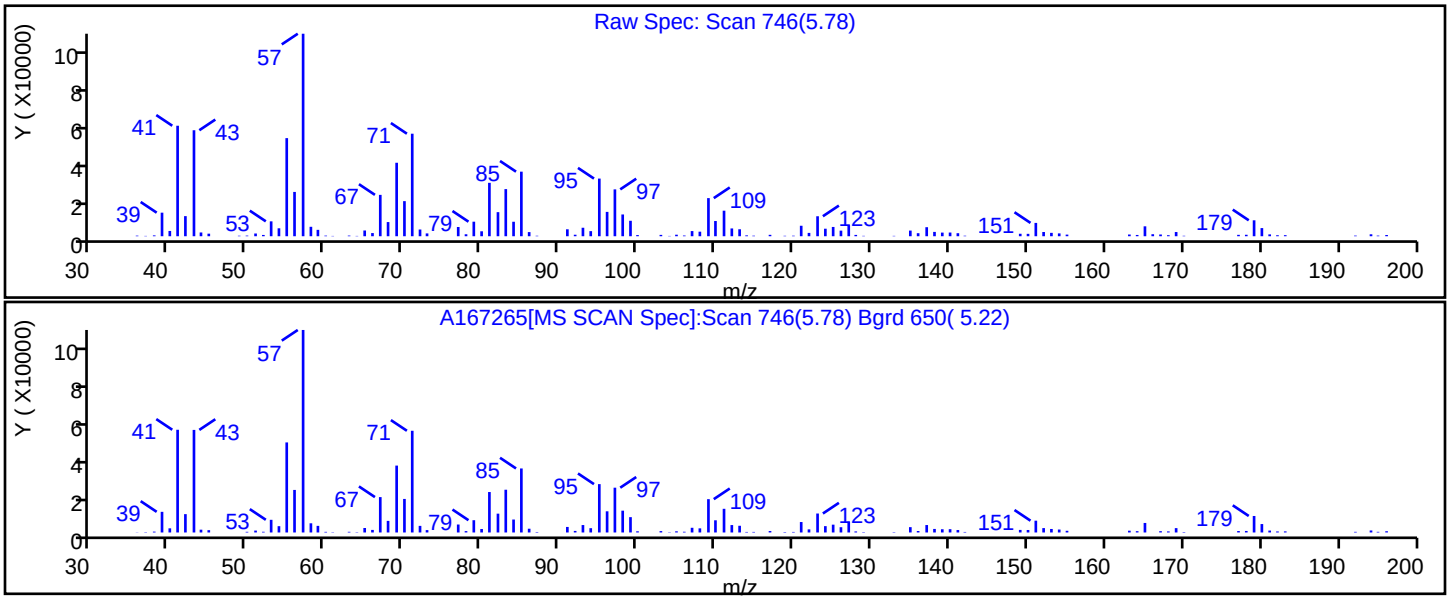


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

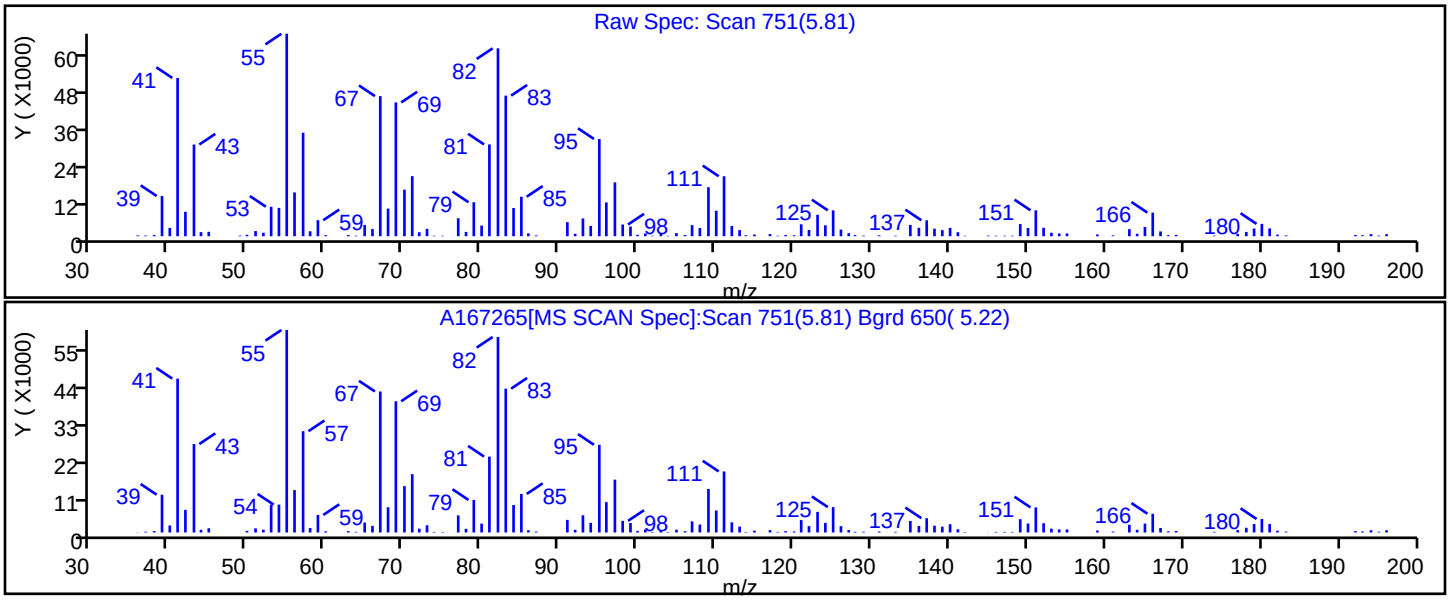


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

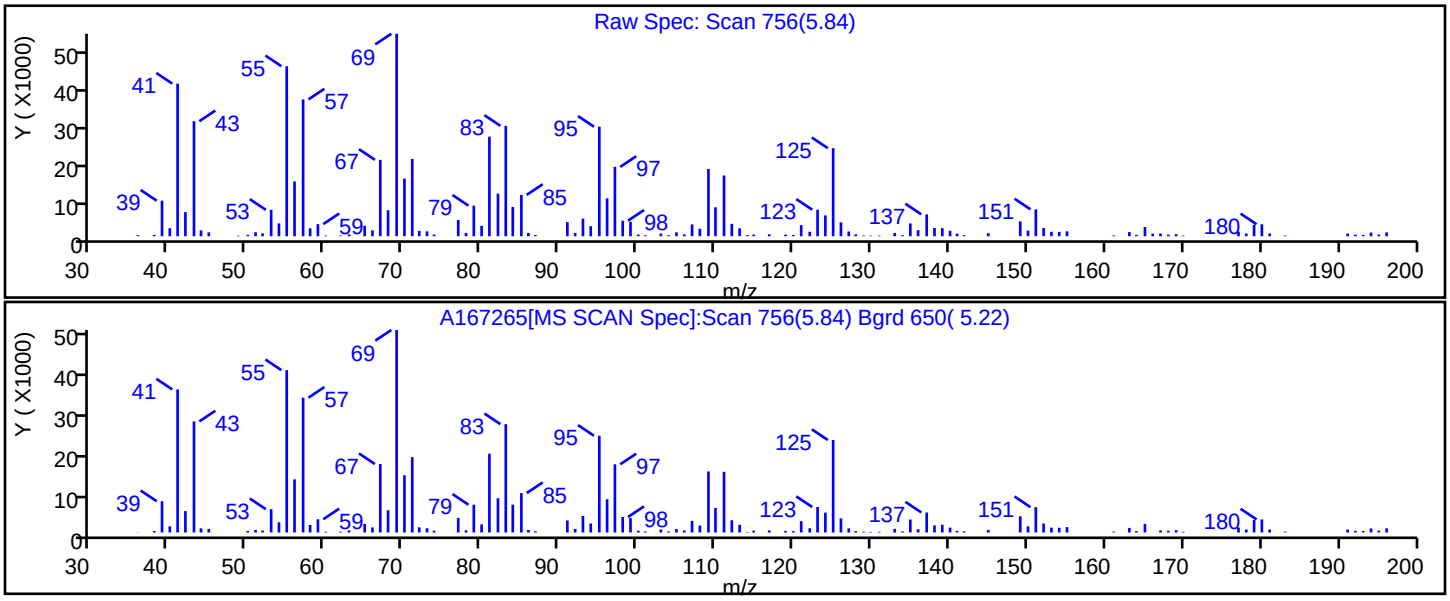


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

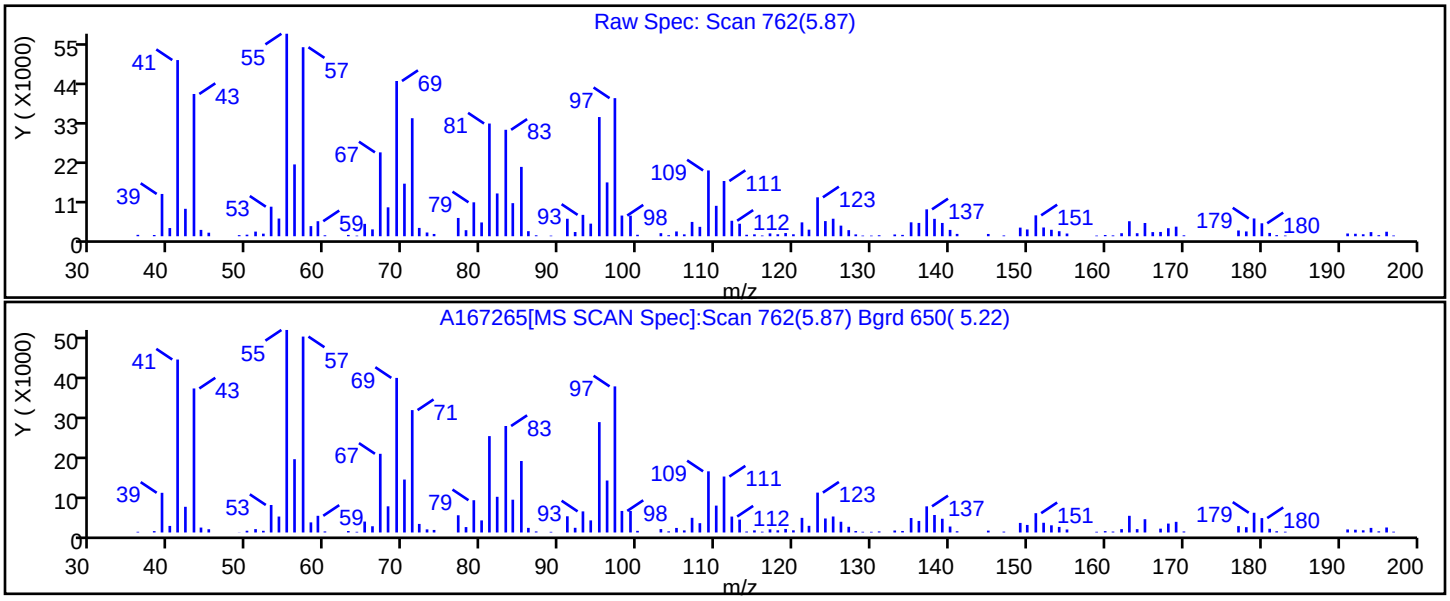


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

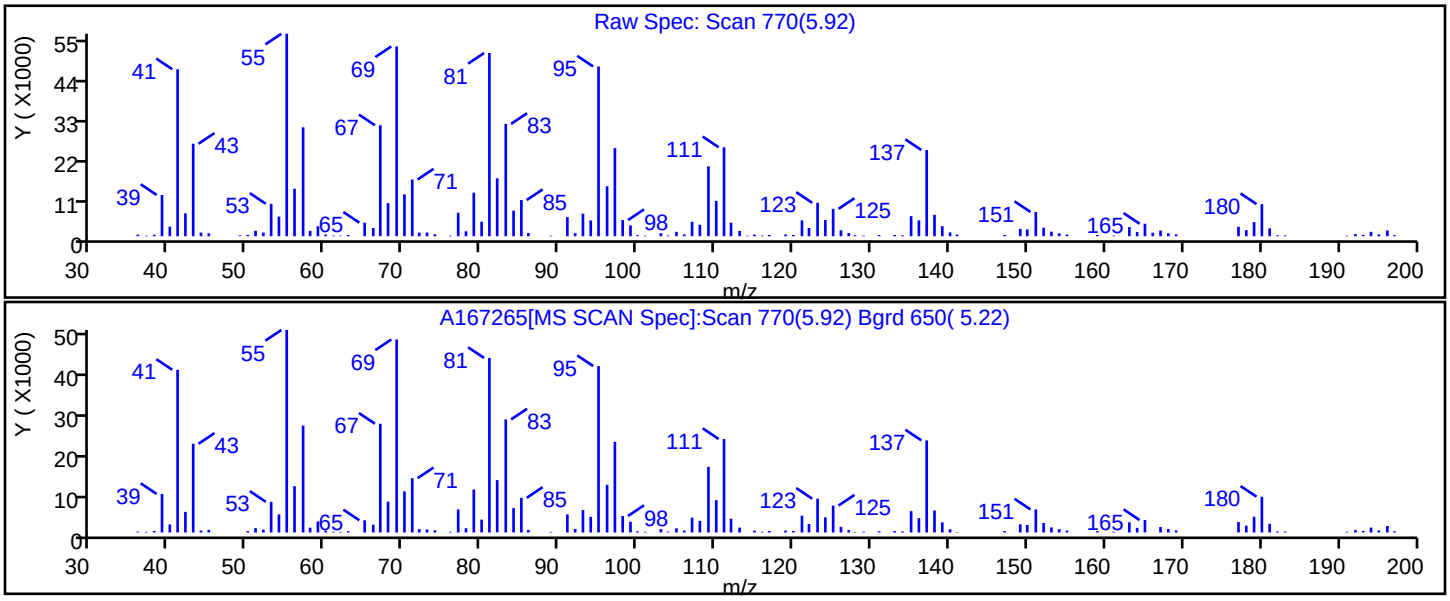


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

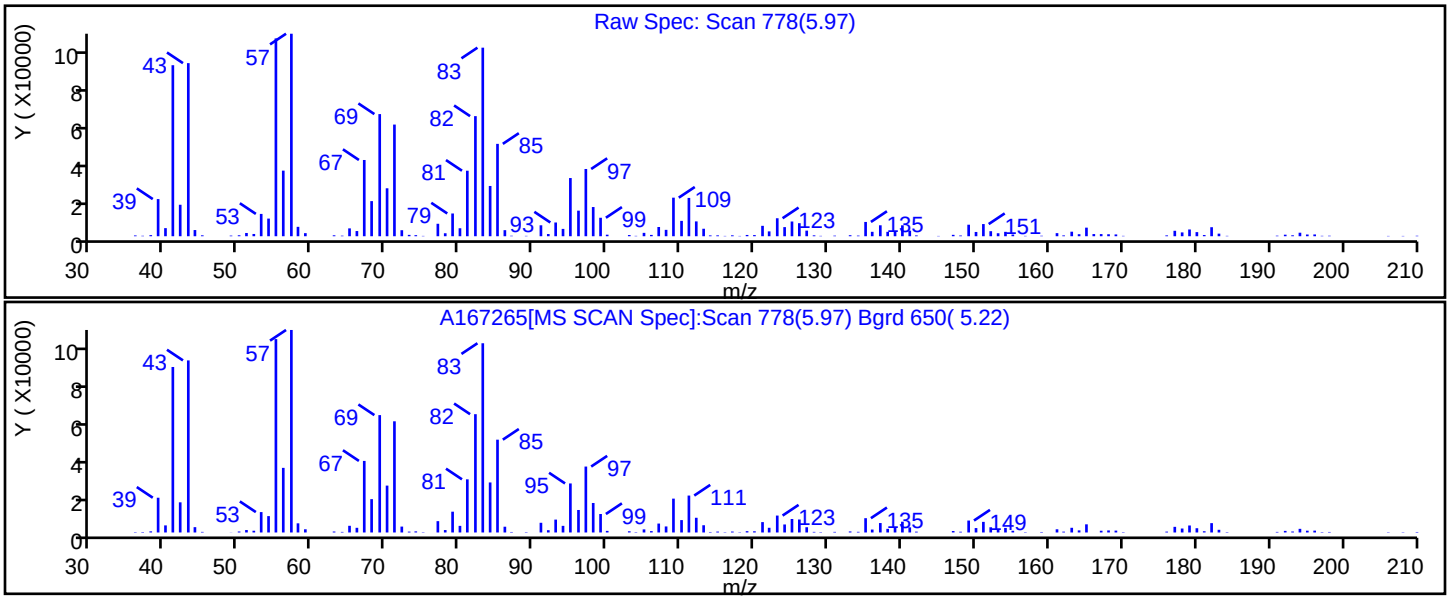


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

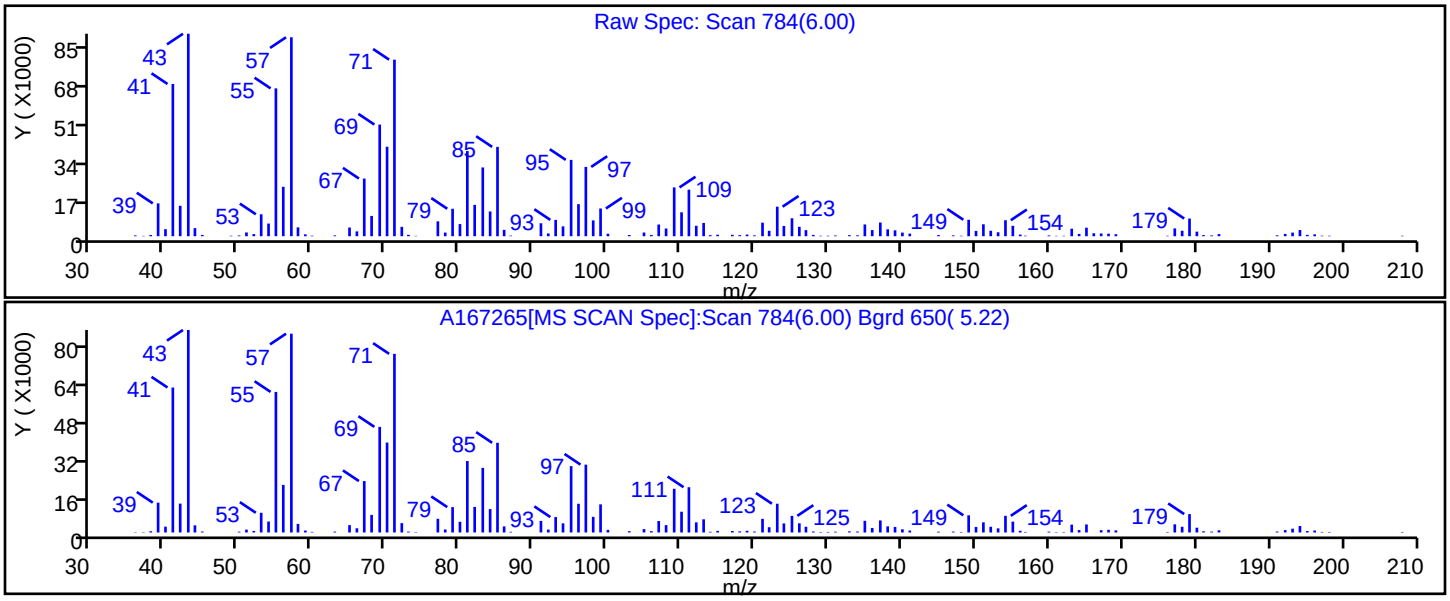


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

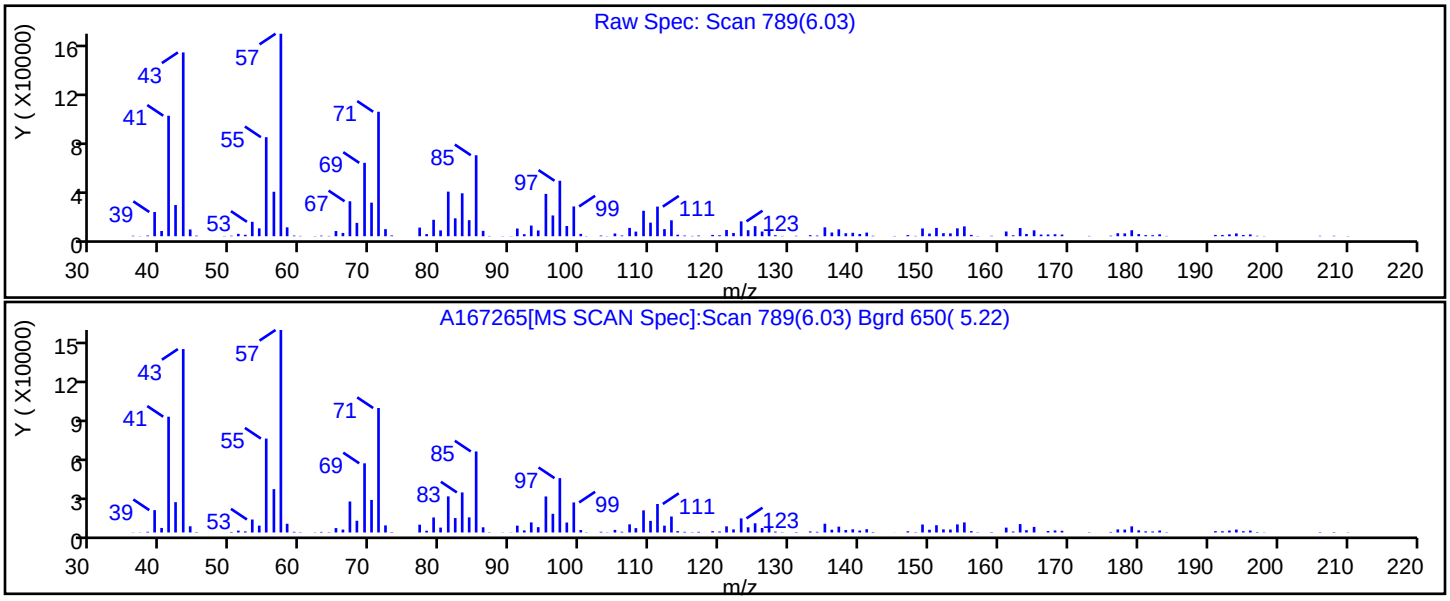


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

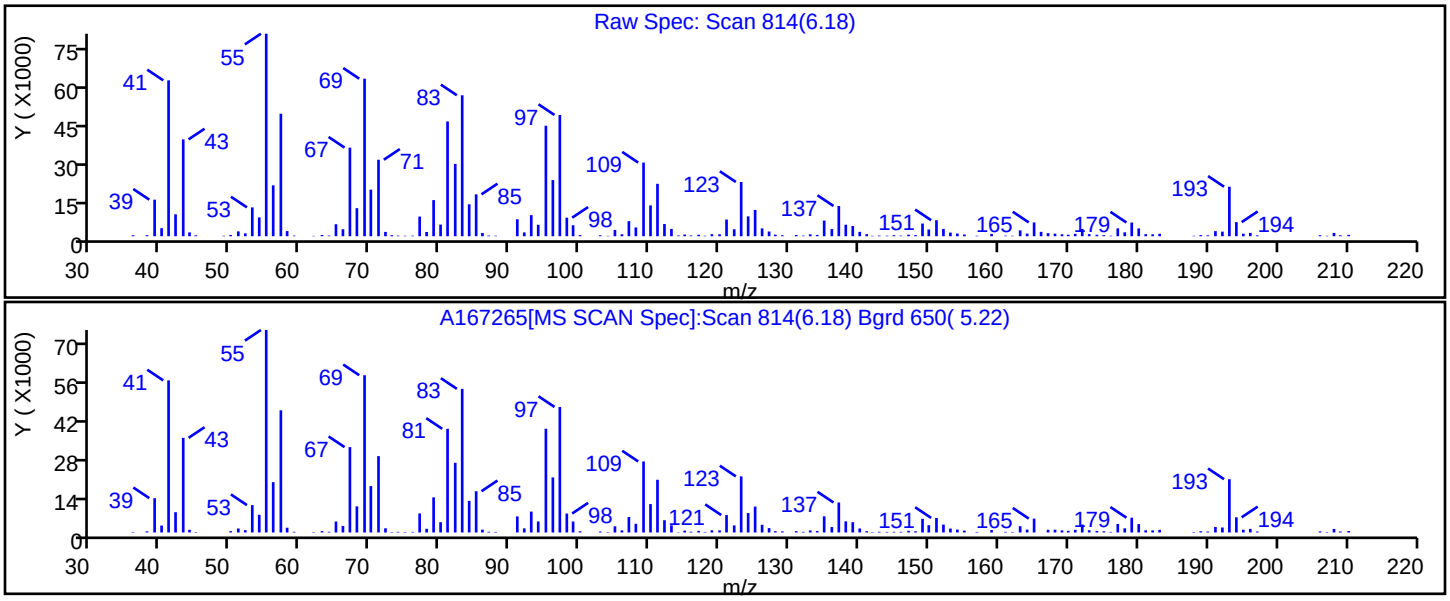


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80



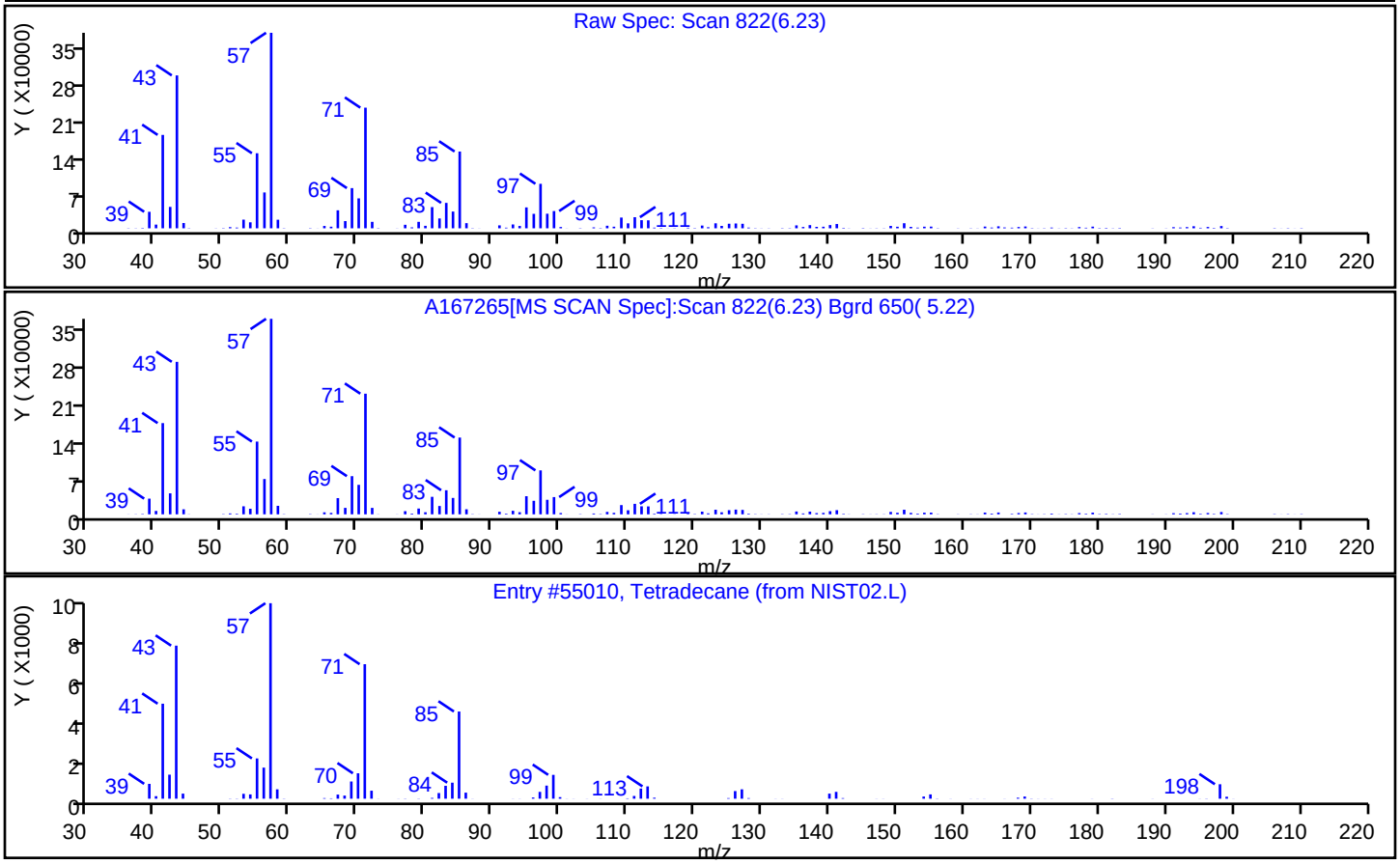
Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D

Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Tetradecane	629-59-4	NIST02.L	55010	C14H30	198	96

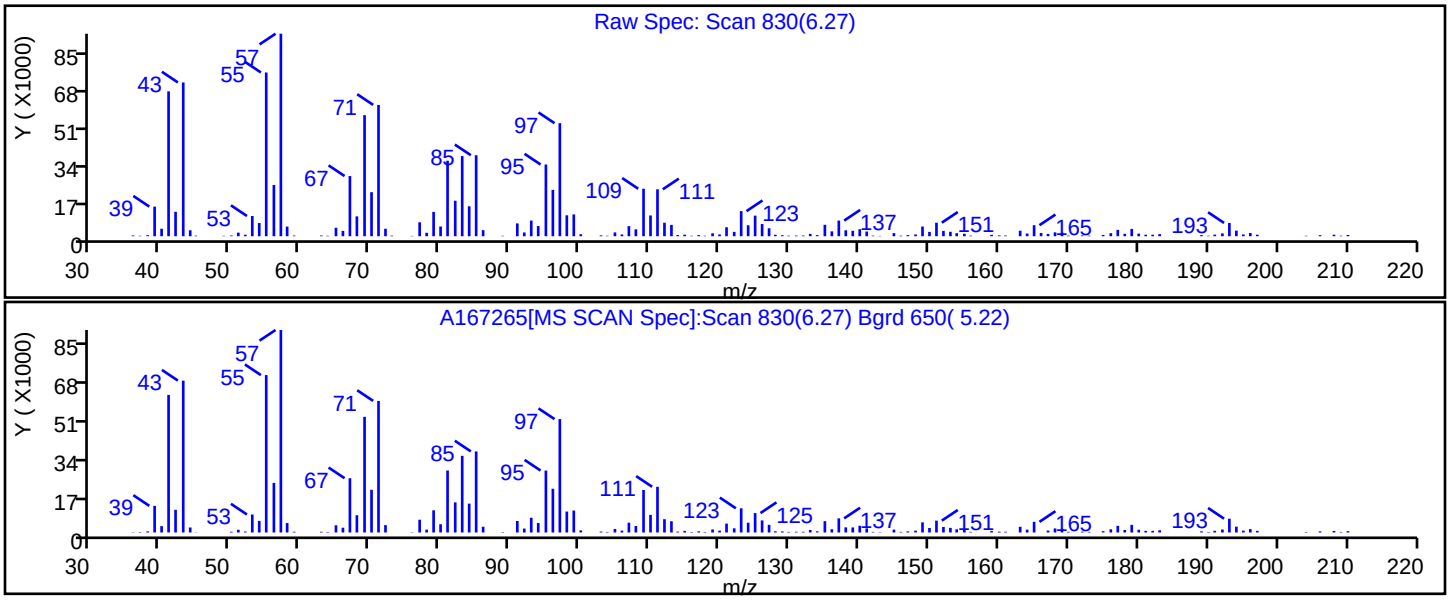


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

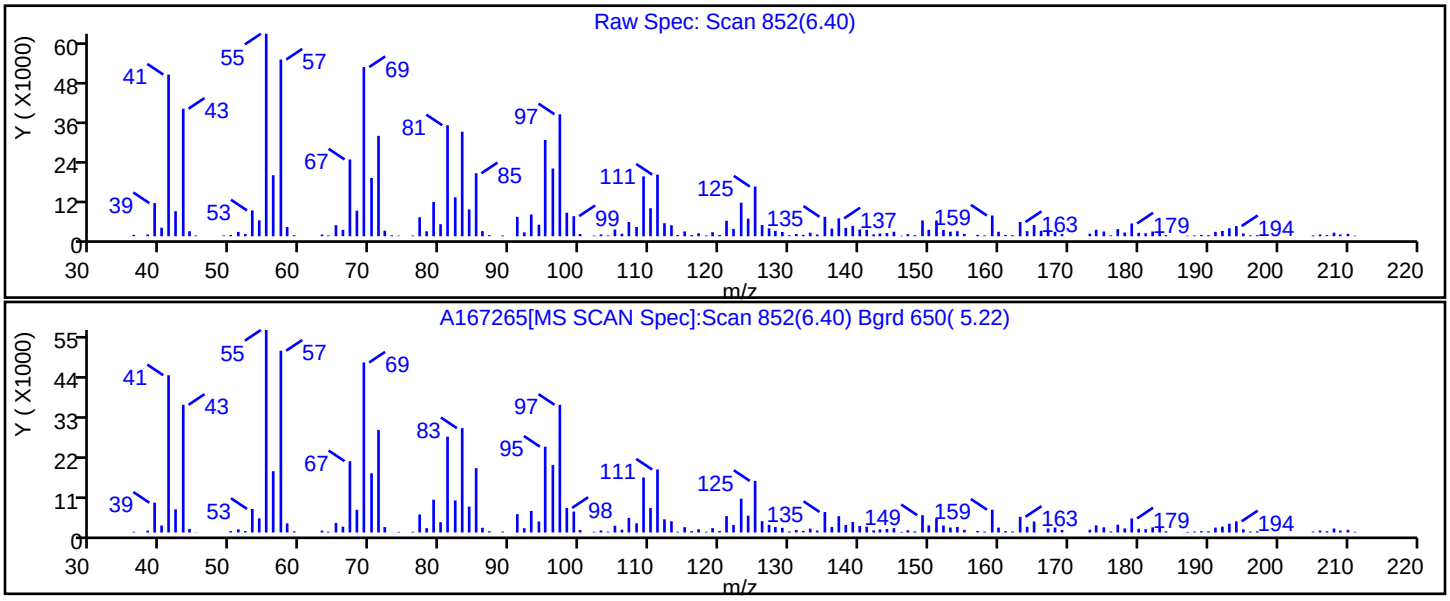


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

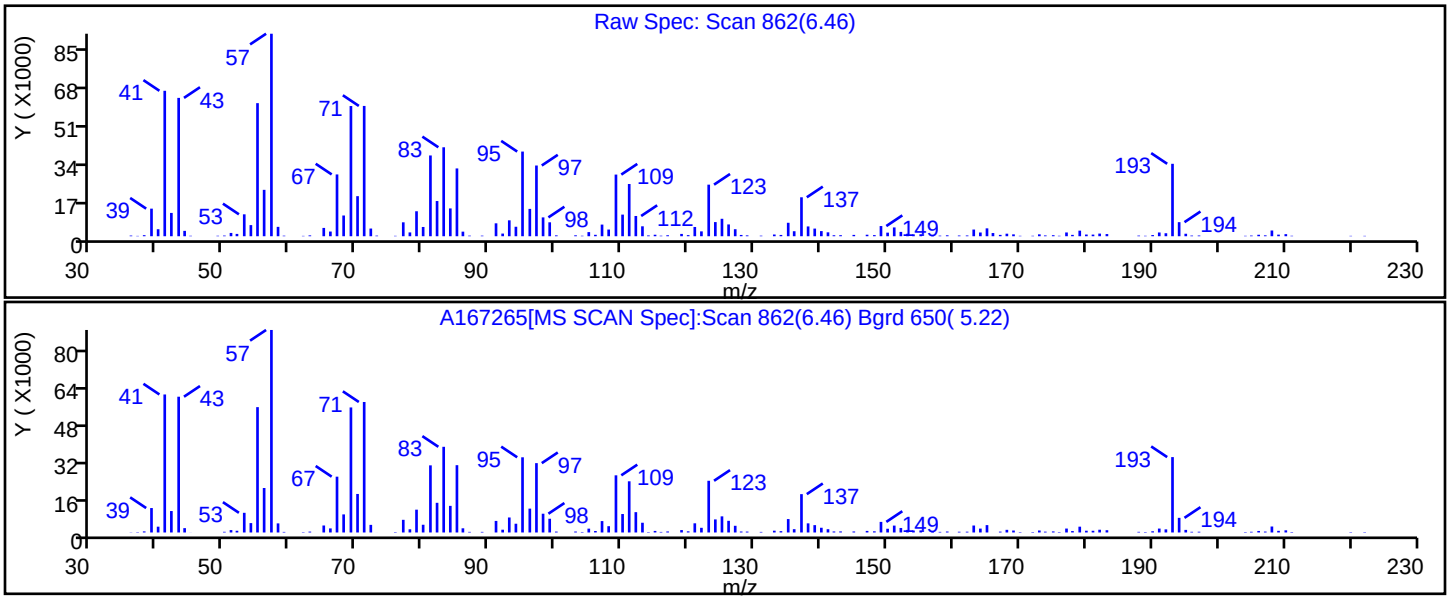


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80



Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D

Injection Date: 28-Dec-2019 06:44:30 Instrument ID: CBNAMS16

Lims ID: 460-199723-J-2-A Lab Sample ID: 460-199723-2

Client ID: MW-1

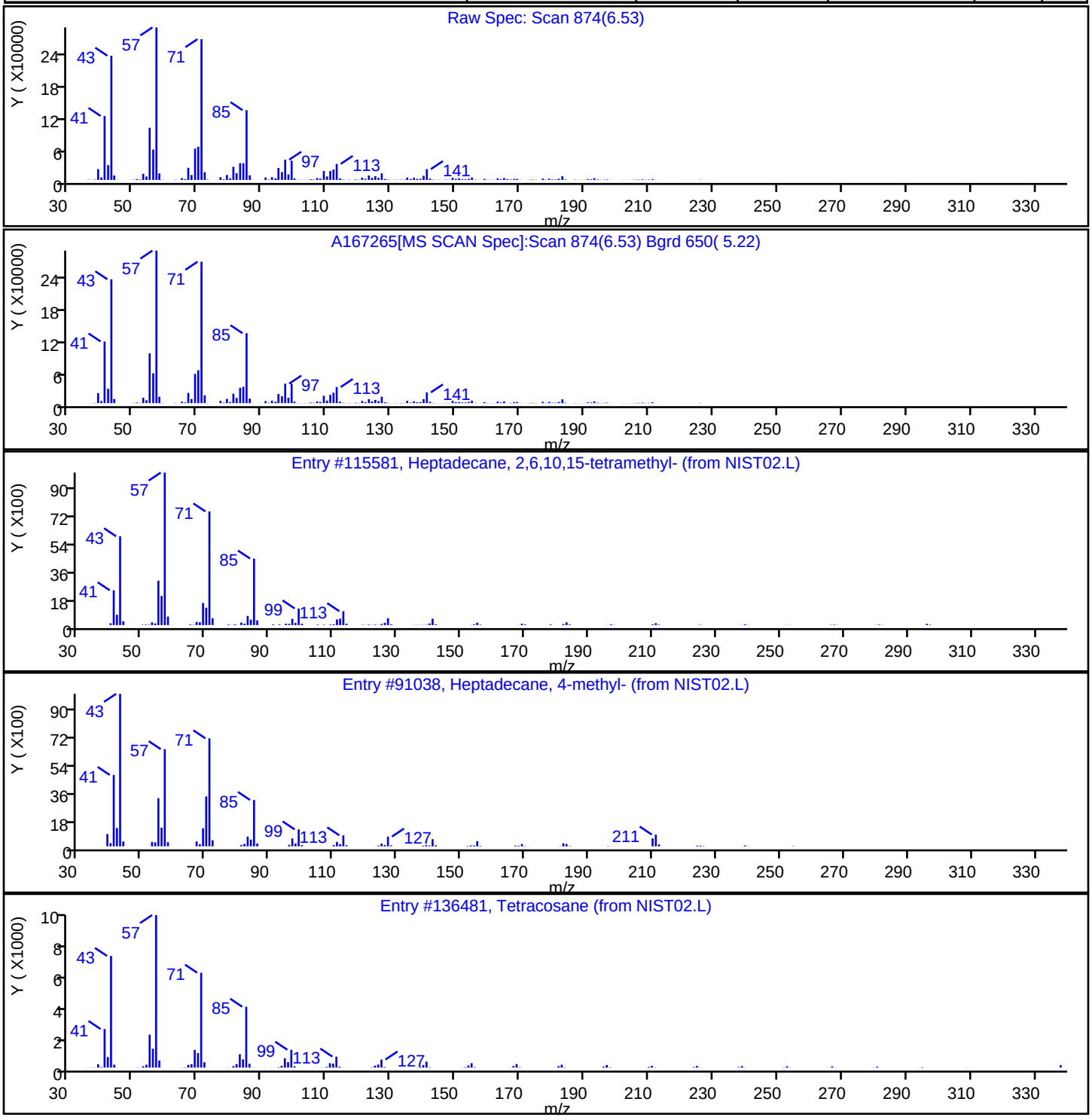
Operator ID: ALS Bottle#: 32 Worklist Smp#: 32

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST02.L	115581	C21H44	296	87
Heptadecane, 4-methyl-	26429-11-8	NIST02.L	91038	C18H38	254	86
Tetracosane	646-31-1	NIST02.L	136481	C24H50	338	86

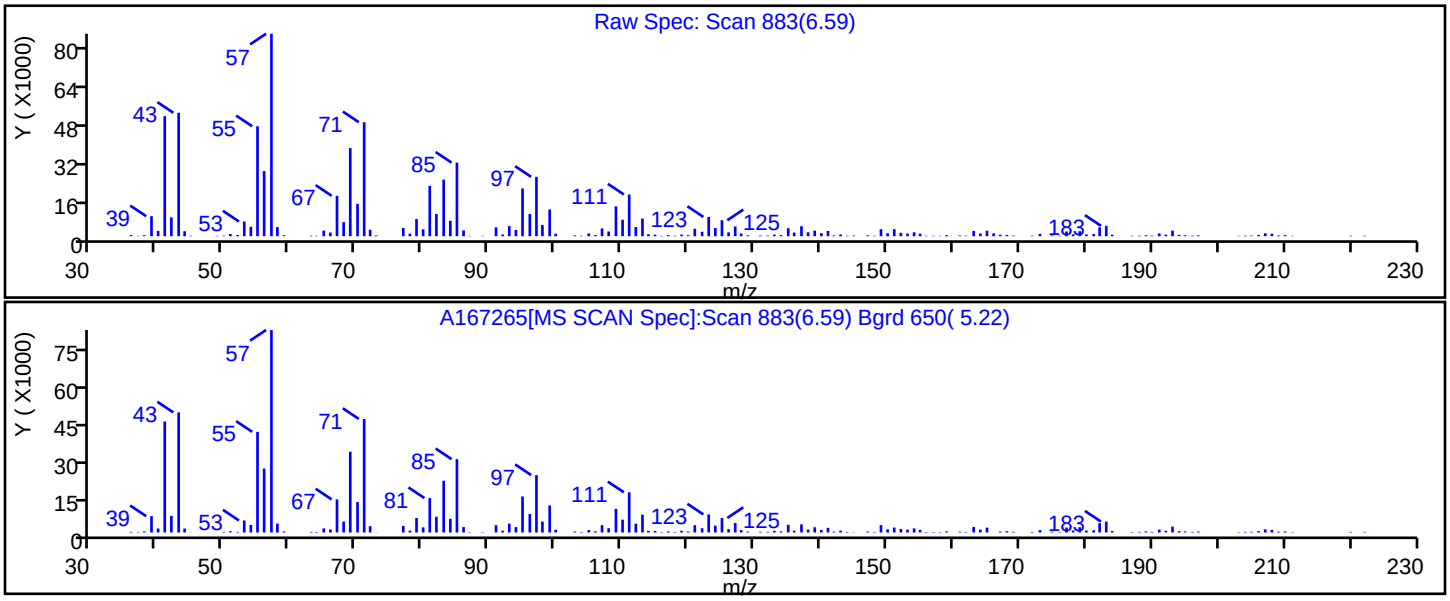


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80

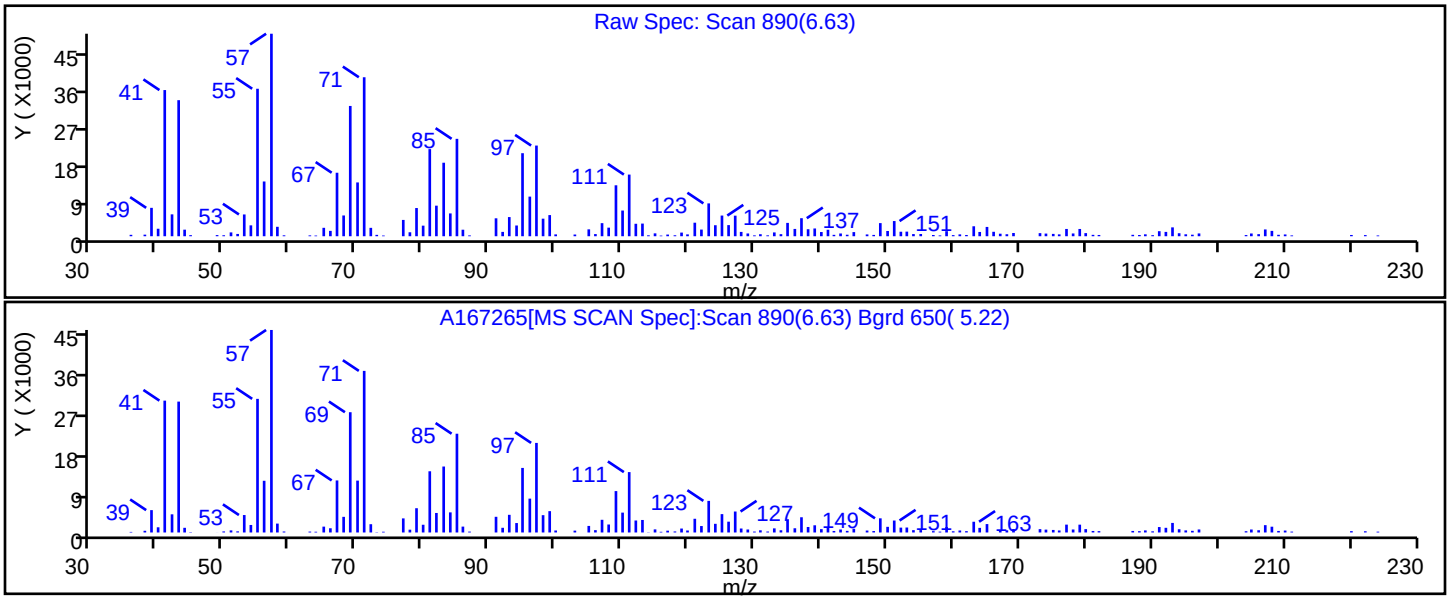


Report Date: 28-Dec-2019 22:49:08 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167265.D				
Injection Date:	28-Dec-2019 06:44:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199723-J-2-A	Lab Sample ID:	460-199723-2		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 80



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: A167266.D

Analysis Method: 8270D Date Collected: 12/23/2019 12:00

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 07:05

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: A167266.D

Analysis Method: 8270D Date Collected: 12/23/2019 12:00

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 07:05

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: A167266.D

Analysis Method: 8270D Date Collected: 12/23/2019 12:00

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 07:05

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	65		26-139
321-60-8	2-Fluorobiphenyl	65		45-107
367-12-4	2-Fluorophenol (Surr)	39		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	75		51-108
4165-62-2	Phenol-d5 (Surr)	28		14-39
1718-51-0	Terphenyl-d14 (Surr)	80		40-148

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: A167266.D

Analysis Method: 8270D Date Collected: 12/23/2019 12:00

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 07:05

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167266.D
Lims ID: 460-199723-H-3-A
Client ID: Duplicate
Sample Type: Client
Inject. Date: 28-Dec-2019 07:05:30 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-033
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Dec-2019 22:49:29 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0325

First Level Reviewer: hamziy Date: 28-Dec-2019 22:49:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.679	-0.012	96	409085	3.87	
$ 6 Phenol-d5	99	3.540	3.557	-0.011	0	344418	2.78	
* 14 1,4-Dichlorobenzene-d4	152	3.845	3.846	-0.001	98	549231	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.398	-0.005	87	789342	7.47	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	2148538	8.00	
$ 51 2-Fluorobiphenyl	172	6.110	6.132	-0.006	98	1251916	6.49	
* 64 Acenaphthene-d10	164	6.734	6.739	-0.005	95	985037	8.00	
$ 80 2,4,6-Tribromophenol	330	7.481	7.506	-0.005	90	129047	6.54	
* 87 Phenanthrene-d10	188	8.122	8.128	-0.006	99	1443830	8.00	
$ 96 Terphenyl-d14	244	9.633	9.687	-0.006	98	875452	7.98	
* 102 Chrysene-d12	240	10.627	10.633	-0.006	98	815605	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	873844	8.00	

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

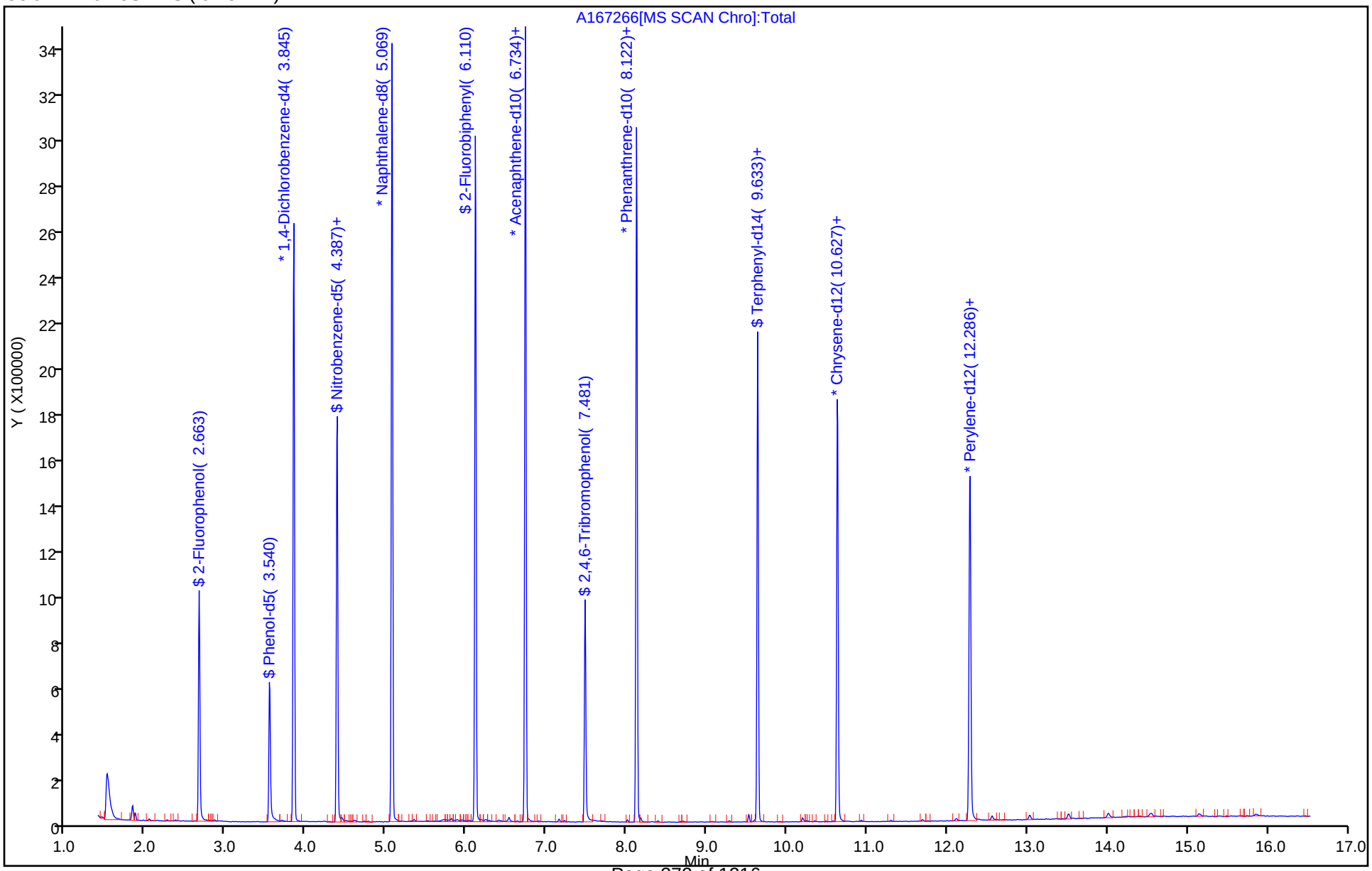
Report Date: 28-Dec-2019 22:49:30 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167266.D

Injection Date:	28-Dec-2019 07:05:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-199723-H-3-A	Lab Sample ID:	460-199723-3	Worklist Smp#:	33
Client ID:	Duplicate				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-657425/9	A166093.D
Level 2	STD02 460-657425/8	A166092.D
Level 3	STD1 460-657425/7	A166091.D
Level 4	STD2 460-657425/6	A166090.D
Level 5	STD4 460-657425/5	A166089.D
Level 6	ICIS 460-657425/2	A166086.D
Level 7	STD16 460-657425/4	A166088.D
Level 8	STD24 460-657425/3	A166087.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	0.5495	0.5468	0.5759 0.5477	0.5874	0.5821	Ave		0.5649				3.3		20.0			
N-Nitrosodimethylamine	0.8890	0.9012	0.8919 0.9060	0.9645	0.9520	Ave		0.9174				3.5		20.0			
Pyridine	1.1985	1.1996	1.2155 1.1987	1.3078	1.3280	Ave		1.2413				4.8		20.0			
Aniline	2.2636	2.2049	2.3402 2.1493	2.5279	2.4854	Ave		2.3286				6.5		20.0			
Phenol	2.0648	1.9923	2.2359 1.8656	2.3765	2.2420	Ave		2.1295			0.8000	8.9		20.0			
Bis(2-chloroethyl)ether	1.7647 1.4228	1.7360 1.4043	1.5977 1.3691	1.6104	1.5525	Ave		1.5572			0.7000	9.6		20.0			
2-Chlorophenol	1.5313	1.5163	1.6106 1.4695	1.6938	1.6634	Ave		1.5808			0.8000	5.6		20.0			
n-Decane	1.5036	1.4865	1.6779 1.3792	1.7234	1.6947	Ave		1.5775				8.9		20.0			
1,3-Dichlorobenzene	1.5706	1.5365	1.6956 1.4782	1.7695	1.7144	Ave		1.6275				7.1		20.0			
1,4-Dichlorobenzene	1.5954	1.5429	1.7095 1.4580	1.8064	1.7528	Ave		1.6442				8.1		20.0			
Benzyl alcohol	0.9658	0.8604	0.8916 0.8503	0.9592	0.9423	Ave		0.9116				5.6		20.0			
1,2-Dichlorobenzene	1.4794	1.3662	1.6257 1.2406	1.6912	1.6205	Ave		1.5039				11.6		20.0			
2,2'-oxybis[1-chloropropane]	1.9306	1.8863	2.1121 1.8074	2.1870	2.1230	Ave		2.0077			0.0100	7.6		20.0			
2-Methylphenol	1.3711	1.3487	1.4075 1.3084	1.5051	1.4631	Ave		1.4006			0.7000	5.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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								
N-Methylaniline	1.2285 2.0789	2.2455 1.9157	1.9588 +++++	2.2480	2.1733	Qua	-0.156	2.3453	-0.026110						1.0000		0.9900
Acetophenone	1.9084	1.7183	2.1856 1.6628	2.2106	2.1208	Ave		1.9678			0.0100	12.2		20.0			
N-Nitrosodi-n-propylamine	1.0113 0.9663	1.0683 0.9112	1.0601 0.8877	1.0854	1.0255	Ave		1.0020			0.5000	7.3		20.0			
3 & 4 Methylphenol	1.4470	1.4163	1.4951 1.3661	1.5772	1.5526	Ave		1.4757				5.5		20.0			
4-Methylphenol	1.4282	1.3720	1.4602 1.3415	1.5086	1.4896	Ave		1.4334			0.6000	4.6		20.0			
Hexachloroethane	0.6108 0.5602	0.6077 0.5489	0.5655 0.5252	0.6033	0.6074	Ave		0.5786			0.3000	5.7		20.0			
Nitrobenzene	0.7105 0.6952	0.7046 0.6325	0.7338 0.5927	0.8010	0.7749	Ave		0.7056			0.2000	9.7		20.0			
n,n'-Dimethylaniline	2.4428 2.0844	2.3694 1.8040	2.1648 1.7332	2.3059	2.2005	Ave		2.1381				12.0		20.0			
Isophorone	0.6751	0.7251 0.6926	0.7203 0.6743	0.7355	0.7050	Ave		0.7040			0.4000	3.5		20.0			
2-Nitrophenol	0.1936	0.1984	0.1961 0.1897	0.2054	0.2059	Ave		0.1982			0.1000	3.3		20.0			
2,4-Dimethylphenol	0.3223	0.3056	0.3416 0.2924	0.3596	0.3462	Ave		0.3280			0.2000	7.9		20.0			
Bis(2-chloroethoxy)methane	0.4046	0.4047	0.4461 0.3831	0.4483	0.4243	Ave		0.4185			0.3000	6.2		20.0			
Benzoic acid	0.2356	0.2438	0.1276 0.2484	0.1805	0.1789	Lin2	-0.121	0.2420			0.0100				0.9930		0.9900
2,4-Dichlorophenol	0.2787	0.2652	0.2971 0.2508	0.3089	0.2927	Ave		0.2822			0.2000	7.7		20.0			
1,2,4-Trichlorobenzene	0.3209 0.2752	0.3112 0.2670	0.3127 0.2537	0.3122	0.3004	Ave		0.2942				8.6		20.0			
Naphthalene	1.0285	0.9854	1.1580 0.9212	1.1750	1.1284	Ave		1.0661			0.7000	9.7		20.0			
4-Chloroaniline	0.4163	0.3927	0.4680 0.3468	0.4635	0.4516	Ave		0.4232			0.0100	11.2		20.0			
Hexachlorobutadiene	0.1527 0.1297	0.1495 0.1220	0.1413 0.1157	0.1487	0.1413	Ave		0.1376			0.0100	9.9		20.0			
4-Chloro-3-methylphenol	0.2839	0.2711	0.2827 0.2625	0.3102	0.2984	Ave		0.2848			0.2000	6.1		20.0			
2-Methylnaphthalene	0.6518	0.7350 0.5985	0.7132 0.5570	0.7315	0.6967	Ave		0.6691			0.4000	10.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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-Methylnaphthalene	0.6008	0.6870 0.5558	0.6515 0.5260	0.6821	0.6310	Ave		0.6192				10.0		20.0			
Hexachlorocyclopentadiene	0.2796	0.2753	0.2459 0.2666	0.2752	0.2950	Ave		0.2729			0.0500	5.9		20.0			
1,2,4,5-Tetrachlorobenzene	0.4629	0.4427	0.5873 0.4184	0.5754	0.5499	Ave		0.5061			0.0100	14.5		20.0			
2-tertbutyl-4-methylphenol	0.4048	0.4144 0.3625	0.4006 0.3521	0.4198	0.4033	Ave		0.3939				6.6		20.0			
2,4,6-Trichlorophenol	0.3583	0.3761 0.3505	0.4126 0.3474	0.4010	0.3994	Ave		0.3779			0.2000	7.1		20.0			
2,4,5-Trichlorophenol	0.3948	0.3908	0.4093 0.3813	0.4304	0.4184	Ave		0.4042			0.2000	4.6		20.0			
1,1'-Biphenyl	1.5366	1.4440	1.8453 1.3382	1.8788	1.7567	Ave		1.6333			0.0100	13.8		20.0			
2-Chloronaphthalene	1.1890	1.1057	1.3936 1.0676	1.4033	1.3440	Ave		1.2505			0.8000	11.9		20.0			
Phenyl ether	0.7898	0.7715	0.9628 0.7633	0.8983	0.8679	Ave		0.8423				9.5		20.0			
2-Nitroaniline	0.4030	0.4289	0.4282 0.4152	0.4592	0.4663	Ave		0.4335			0.0100	5.7		20.0			
1,3-Dimethylnaphthalene	0.9883	0.9348	1.0558 0.9155	1.1177	1.0515	Ave		1.0106				7.7		20.0			
Dimethyl phthalate	1.2433	1.2311	1.4981 1.2074	1.5076	1.4556	Ave		1.3572			0.0100	10.6		20.0			
Coumarin	0.2189	0.2041	0.2380 0.1985	0.2389	0.2241	Ave		0.2204				7.6		20.0			
2,6-Dinitrotoluene	0.3054	0.2549 0.3228	0.3142 0.3189	0.3374	0.3300	Ave		0.3120			0.2000	8.7		20.0			
Acenaphthylene	1.9101	1.9055	2.1260 1.8617	2.2373	2.1561	Ave		2.0328			0.9000	7.8		20.0			
3-Nitroaniline	0.3756	0.3816	0.3973 0.3729	0.4242	0.4185	Ave		0.3950			0.0100	5.6		20.0			
Acenaphthene	1.0551	0.9828	1.3242 0.9066	1.2966	1.2151	Ave		1.1301			0.9000	15.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.8969	0.7736	1.0401 0.7206	0.9521	0.9128	Ave		0.8827				13.3		20.0			
2,4-Dinitrophenol	0.1839	0.1945	0.1141 0.2016	0.1513	0.1861	Lin2	-0.176	0.2005			0.0100				0.9990		0.9900
Dibenzofuran	1.4504	1.3675	1.8830 1.3165	1.8465	1.7110	Ave		1.5958			0.8000	15.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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								
2,4-Dinitrotoluene	0.3394	0.3068 0.3383	0.4073 0.3362	0.4351	0.4111	Ave		0.3678			0.2000	13.3		20.0			
4-Nitrophenol	0.2540	0.2521	0.2947 0.2484	0.2994	0.2949	Ave		0.2739			0.0100	9.0		20.0			
2,3,4,6-Tetrachlorophenol	0.2735	0.2682	0.2815 0.2662	0.3043	0.2888	Ave		0.2804			0.0100	5.1		20.0			
Diethyl phthalate	1.2930	1.3126	1.4866 1.2695	1.5851	1.6818	Ave		1.4381			0.0100	12.0		20.0			
Fluorene	1.1927	1.1296	1.4597 1.0469	1.4537	1.3702	Ave		1.2755			0.9000	13.8		20.0			
4-Chlorophenyl phenyl ether	0.5044	0.4708	0.6308 0.4348	0.6112	0.5910	Ave		0.5405			0.4000	15.0		20.0			
4-Nitroaniline	0.3696	0.3933	0.4142 0.3793	0.4092	0.4206	Ave		0.3977			0.0100	5.1		20.0			
4,6-Dinitro-2-methylphenol	0.1301	0.1349	0.1147 0.1360	0.1298	0.1394	Ave		0.1308			0.0100	6.7		20.0			
N-Nitrosodiphenylamine	0.6070	0.5956	0.7058 0.5570	0.7209	0.6703	Ave		0.6428			0.0100	10.3		20.0			
1,2-Diphenylhydrazine	0.9046	0.9125	1.0822 0.9121	1.0560	1.0148	Ave		0.9804				8.2		20.0			
4-Bromophenyl phenyl ether	0.1869	0.1807	0.2178 0.1695	0.2239	0.2068	Ave		0.1976			0.1000	11.0		20.0			
Hexachlorobenzene	0.2185 0.1895	0.2356 0.1832	0.2272 0.1711	0.2293	0.2098	Ave		0.2080			0.1000	11.5		20.0			
Pentachlorophenol	0.1101	0.1046	0.1025 0.1022	0.1136	0.1165	Ave		0.1082			0.0500	5.6		20.0			
Pentachloronitrobenzene	0.0803	0.0768	0.0851 0.0728	0.0930	0.0870	Ave		0.0825			0.0100	8.9		20.0			
n-Octadecane	0.5161	0.4818	0.5714 0.4351	0.5734	0.5535	Ave		0.5219				10.6		20.0			
Phenanthrene	1.0909	1.0642	1.3190 1.0018	1.3580	1.2600	Ave		1.1823			0.7000	12.6		20.0			
Anthracene	1.1372	1.0931	1.3261 1.0130	1.3793	1.2740	Ave		1.2038			0.7000	12.0		20.0			
Carbazole	1.0683	1.0246	1.2661 0.9737	1.2943	1.2246	Ave		1.1419			0.0100	11.9		20.0			
Di-n-butyl phthalate	1.2881	1.2742	1.4471 1.1851	1.5300	1.4602	Ave		1.3641			0.0100	9.8		20.0			
Fluoranthene	1.0230	1.0003	1.2339 0.9521	1.2399	1.1662	Ave		1.1026			0.6000	11.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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								
Benzidine	0.5730	0.6530	0.6796 0.5699	0.6494	0.6935	Ave		0.6364				8.3		20.0			
Pyrene	1.6377	1.6452	1.8906 1.5516	1.8374	1.8223	Ave		1.7308			0.6000	7.9		20.0			
Bisphenol-A	0.8023	0.7865	0.7304 0.7782	0.7415	0.7236	Ave		0.7604				4.3		20.0			
Butyl benzyl phthalate	0.7823	0.8396	0.8550 0.7910	0.8550	0.8839	Ave		0.8345			0.0100	4.8		20.0			
2,3,7,8-TCDD	0.1856					Ave		0.1856						20.0			
Carbamazepine	0.6630	0.6902	0.5778 0.6781	0.6585	0.6864	Ave		0.6590				6.3		20.0			
3,3'-Dichlorobenzidine	0.4343	0.4360 0.4533	0.5324 0.4227	0.4799	0.4874	Ave		0.4637			0.0100	8.3		20.0			
Benzo[a]anthracene	1.4040 1.1978	1.4020 1.1677	1.4361 1.1006	1.3705	1.3581	Ave		1.3046			0.8000	9.9		20.0			
Chrysene	1.2012	1.3906 1.2140	1.4088 1.1200	1.3653	1.3312	Ave		1.2901			0.7000	8.6		20.0			
Bis(2-ethylhexyl) phthalate	1.0436	0.9958 1.0828	1.0664 1.0466	1.0838	1.1309	Ave		1.0643			0.0100	3.9		20.0			
Di-n-octyl phthalate	1.7598	1.7602	1.6191 1.4728	1.8423	1.8655	Ave		1.7199			0.0100	8.6		20.0			
Benzo[b]fluoranthene	1.1740 1.1903	1.1656 1.1910	1.1860 1.0513	1.2372	1.3443	Ave		1.1925			0.7000	6.8		20.0			
Benzo[k]fluoranthene	1.4209 1.2143	1.3366 1.1638	1.3715 1.0564	1.4349	1.3129	Ave		1.2889			0.7000	10.3		20.0			
Benzo[a]pyrene	1.1504 1.1056	1.1212 1.1115	1.1523 1.0424	1.2136	1.2217	Ave		1.1398			0.7000	5.2		20.0			
Indeno[1,2,3-cd]pyrene	1.1349 1.1158	1.1137 1.3813	1.1639 1.4853	1.2219	1.1848	Ave		1.2252			0.5000	11.1		20.0			
Dibenz(a,h)anthracene	1.1545 1.0916	1.1324 1.1848	1.1589 1.2396	1.2265	1.1586	Ave		1.1684			0.4000	4.1		20.0			
Benzo[g,h,i]perylene	1.1813	1.3985	1.2267 1.5032	1.2692	1.2166	Ave		1.2993			0.5000	9.6		20.0			
2-Fluorophenol (Surr)	1.4958	1.6910 1.5232	1.4885 1.4662	1.5714	1.5300	Ave		1.5380				4.9		20.0			
Phenol-d5 (Surr)	1.7399	2.1029 1.6617	1.8205 1.5842	1.9120	1.8135	Ave		1.8050				9.4		20.0			
Nitrobenzene-d5 (Surr)	0.4091 0.3710	0.4481 0.3864	0.3814 0.3734	0.3971	0.3815	Ave		0.3935				6.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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-Fluorobiphenyl	1.9000 1.3852	1.8558 1.3626	1.5844 1.3125	1.6244	1.5074	Ave		1.5665				14.1		20.0			
2,4,6-Tribromophenol (Surr)	 0.1541	0.1714 0.1545	0.1565 0.1536	0.1713	0.1605	Ave		0.1603				4.9		20.0			
Terphenyl-d14 (Surr)	+++++ 0.9480	1.1690 1.0461	1.1120 0.9722	1.1800	1.1063	Ave		1.0762				8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-657425/9	A166093.D
Level 2	STD02 460-657425/8	A166092.D
Level 3	STD1 460-657425/7	A166091.D
Level 4	STD2 460-657425/6	A166090.D
Level 5	STD4 460-657425/5	A166089.D
Level 6	ICIS 460-657425/2	A166086.D
Level 7	STD16 460-657425/4	A166088.D
Level 8	STD24 460-657425/3	A166087.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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	371278	627491	42545 858057	88048	166160	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	600691	1034096	65885 1419545	144568	271764	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCBd 4	Ave	1619560	2753207	179580 3756231	392045	758162	20.0	32.0	2.00 48.0	4.00	8.00
Aniline	DCBd 4	Ave	1529450	2530164	172874 3367517	378911	709475	10.0	16.0	1.00 24.0	2.00	4.00
Phenol	DCBd 4	Ave	1395122	2286182	165174 2922914	356214	639989	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	12201 961356	26311 1611486	118025 2145131	241384	443180	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	1034626	1739957	118982 2302408	253893	474830	10.0	16.0	1.00 24.0	2.00	4.00
n-Decane	DCBd 4	Ave	1015906	1705726	123948 2160908	258321	483754	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	1061214	1763140	125257 2316070	265234	489400	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	1077973	1770496	126285 2284338	270770	500343	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	652547	987344	65862 1332288	143783	268976	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	999551	1567719	120096 1943681	253491	462572	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	1304411	2164533	156029 2831802	327813	606029	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	926428	1547625	103973 2049917	225601	417667	10.0	16.0	1.00 24.0	2.00	4.00
N-Methylaniline	DCBd 4	Qua	8494 1404657	34032 2198313	144700 +++++	336960	620377	0.100 10.0	0.200 16.0	1.00 +++++	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Acetophenone	DCBd 4	Ave	1289470	1971727	161457 2605276	331357	605394	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	6992 652894	16191 1045594	78316 1390778	162686	292737	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
3 & 4 Methylphenol	DCBd 4	Ave	977688	1625212	110444 2140347	236407	443207	10.0	16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	965003	1574426	107870 2101844	226128	425224	10.0	16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	4223 378517	9210 629891	41776 822934	90432	173379	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	DCBd 4	Ave	4912 469738	10679 725763	54210 928667	120062	221189	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCBd 4	Ave	16889 1408333	35911 2070127	159921 2715523	345642	628154	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	1802746	42293 3033918	200362 4096375	428714	788040	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	516984	869071	54540 1152428	119701	230170	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	860621	1338743	95026 1776517	209607	386944	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	1080435	1772995	124098 2327282	261316	474272	10.0	16.0	1.00 24.0	2.00	4.00
Benzoic acid	NPT	Lin2	629005	1068067	35487 1509146	105202	199973	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	744191	1161756	82634 1523298	180034	327120	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	8657 734772	18150 1169430	86979 1541135	181982	335825	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	2746287	4316795	322115 5595987	684877	1261247	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	1111619	1720334	130182 2106905	270174	504745	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	4119 346426	8717 534412	39315 702896	86672	157892	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	757956	1187474	78638 1594459	180789	333534	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	1740536	42868 2621806	198387 3384039	426361	778799	10.0	0.200 16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	1604326	40069 2434606	181220 3195534	397566	705314	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	344207	530711	29757 690714	69416	139421	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	569705	853194	71079 1084195	145160	259894	10.0	16.0	1.00 24.0	2.00	4.00
2-tertbutyl-4-methylphenol	NPT	Ave	1080800	24170 1588208	111429 2139224	244706	450749	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	441048	9582 675636	49936 900165	101164	188777	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	485985	753332	49533 987939	108567	197743	10.0	16.0	1.00 24.0	2.00	4.00
1,1'-Biphenyl	ANT	Ave	1891392	2783165	223317 3467300	473956	830248	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1463536	2131170	168655 2766223	354003	635196	10.0	16.0	1.00 24.0	2.00	4.00
Phenyl ether	ANT	Ave	972179	1486988	116523 1977643	226605	410181	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	495994	826617	51822 1075783	115852	220395	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dimethylnaphthalene	ANT	Ave	1216424	1801778	127771 2372173	281976	496963	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1530375	2372793	181298 3128536	380335	687928	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	584472	894071	66190 1205677	139234	250497	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Ave	375928	6495 622232	38019 826287	85129	155980	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	2351007	3672698	257295 4823924	564406	1018977	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	462302	735572	48081 966167	107014	197792	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	1298709	1894242	160257 2348946	327104	574280	10.0	16.0	1.00 24.0	2.00	4.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1103919	1490989	125879 1867168	240192	431387	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin2	452729	749814	27611 1044851	76361	175926	20.0	32.0	2.00 48.0	4.00	8.00
Dibenzofuran	ANT	Ave	1785195	2635855	227883 3411081	465832	808637	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrotoluene	ANT	Ave	417780	7815 652100	49296 871206	109770	194296	10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Nitrophenol	ANT	Ave	625176	971926	71341 1287214	151062	278755	20.0	32.0	2.00 48.0	4.00	8.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	336608	517026	34063 689688	76763	136505	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diethyl phthalate	ANT	Ave	1591560	2530016	179908 3289429	399870	794840	10.0	16.0	1.00 24.0	2.00	4.00
Fluorene	ANT	Ave	1468036	2177292	176650 2712580	366722	647559	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	620813	907508	76343 1126495	154201	279292	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	454955	758002	50131 982887	103236	198771	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Ave	485032	800505	41690 1132875	97583	200816	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	1131337	1767334	128302 2320611	271009	482621	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	1686232	2707837	196713 3800119	396962	730707	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	348446	536170	39584 706203	84152	148916	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	3983 353151	8967 543536	41293 712917	86197	151041	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	410555	621069	37257 851546	85372	167713	20.0	32.0	2.00 48.0	4.00	8.00
Pentachloronitrobenzene	PHN	Ave	149714	227892	15471 303523	34977	62650	10.0	16.0	1.00 24.0	2.00	4.00
n-Octadecane	PHN	Ave	962031	1429778	103871 1813016	215534	398547	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	2033488	3157935	239761 4173837	510484	907233	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	2119685	3243810	241053 4220735	518513	917290	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	1991218	3040521	230141 4057136	486529	881758	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	2400970	3781076	263052 4937750	575149	1051404	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	1906759	2968225	224291 3967065	466111	839697	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	1068115	1937696	123531 2374357	244129	499331	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	1990113	3079936	226429 4052864	486628	880714	10.0	16.0	1.00 24.0	2.00	4.00
Bisphenol-A	CRY	Ave	974926	1472420	87483 2032815	196380	349691	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	950596	1571814	102404 2066256	226448	427163	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,3,7,8-TCDD	CRY	Ave	2255					0.100				
Carbamazepine	CRY	Ave	805644	1292120	69196 1771323	174405	331752	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	527788	11450 848686	63767 1104012	127109	235566	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]anthracene	CRY	Ave	17786 1455476	36814 2185991	171995 2874742	362970	656356	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	1459609	36515 2272638	168724 2925603	361589	643368	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1268122	26148 2027071	127723 2733805	287022	546530	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	2093740	3485072	205051 4615740	483417	896209	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	14657 1416132	30055 2358045	150207 3295005	324650	645785	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	17739 1444742	34465 2304110	173700 3310778	376510	630702	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	14363 1315444	28909 2200665	145932 3266903	318438	586894	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	14169 1327533	28717 2734728	147410 4655055	320619	569201	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	14414 1298759	29200 2345681	146772 3884964	321833	556613	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	1405466	2768950	155356 4711220	333030	584471	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	1010639	25628 1747873	109963 2297227	235535	436747	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	1175611	31871 1906828	134484 2482111	286590	517679	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	11036 990618	26137 1692591	106085 2268239	231447	426373	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	21077 1704996	47280 2626328	191749 3400810	409778	712415	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	189722	4366 297815	18936 398002	43214	75867	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Terphenyl-d14 (Surr)	CRY	Ave	+++++ 1151991	30697 1958333	133177 2539536	312509	534673	+++++ 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 09:35 Calibration End Date: 11/22/2019 12:46 Calibration ID: 77567

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166086.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 22-Nov-2019 09:35:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:37:18 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: nimerd Date: 22-Nov-2019 10:26:27

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	1.628	1.628	0.000	95	371278	10.0	9.73	
2 N-Nitrosodimethylamine	74	1.805	1.805	0.000	91	600691	10.0	9.69	
3 Pyridine	79	1.828	1.828	0.000	93	1619560	20.0	19.3	
$ 4 2-Fluorophenol	112	2.804	2.804	0.000	97	1010639	10.0	9.73	
8 Aniline	93	3.675	3.675	0.000	97	1529450	10.0	9.72	
$ 6 Phenol-d5	99	3.681	3.681	0.000	0	1175611	10.0	9.64	
7 Phenol	94	3.693	3.693	0.000	99	1395122	10.0	9.70	
9 Bis(2-chloroethyl)ether	93	3.728	3.728	0.000	98	961356	10.0	9.14	
10 Benzonitrile	103	3.746	3.746	0.000	98	1997216	NC	NC	
11 2-Chlorophenol	128	3.799	3.799	0.000	96	1034626	10.0	9.69	
12 n-Decane	43	3.834	3.834	0.000	91	1015906	10.0	9.53	
13 1,3-Dichlorobenzene	146	3.928	3.928	0.000	95	1061214	10.0	9.65	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.981	0.000	96	540534	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.999	3.999	0.000	93	1077973	10.0	9.70	
16 Benzyl alcohol	108	4.134	4.134	0.000	95	652547	10.0	10.6	
17 1,2-Dichlorobenzene	146	4.146	4.146	0.000	95	999551	10.0	9.84	
19 2,2'-oxybis[1-chloropropan	45	4.251	4.251	0.000	94	1304411	10.0	9.62	
18 2-Methylphenol	108	4.263	4.263	0.000	92	926428	10.0	9.79	
20 N-Methylaniline	106	4.369	4.369	0.000	94	1404657	10.0	10.1	
21 Acetophenone	105	4.375	4.375	0.000	94	1289470	10.0	9.70	
22 N-Nitrosodi-n-propylamine	70	4.381	4.381	0.000	90	652894	10.0	9.64	
24 4-Methylphenol	108	4.416	4.416	0.000	96	965003	10.0	9.96	
23 3 & 4 Methylphenol	108	4.416	4.416	0.000	97	977688	10.0	9.81	
25 Hexachloroethane	117	4.463	4.463	0.000	93	378517	10.0	9.68	
$ 27 Nitrobenzene-d5	82	4.516	4.516	0.000	87	990618	10.0	9.43	
28 Nitrobenzene	123	4.534	4.534	0.000	94	469738	10.0	9.85	
29 n,n'-Dimethylaniline	120	4.540	4.540	0.000	93	1408333	10.0	9.75	
30 Isophorone	82	4.763	4.763	0.000	100	1802746	10.0	9.59	
32 2-Nitrophenol	139	4.840	4.840	0.000	91	516984	10.0	9.77	
33 2,4-Dimethylphenol	122	4.916	4.916	0.000	92	860621	10.0	9.83	
34 Bis(2-chloroethoxy)methane	93	4.981	4.981	0.000	99	1080435	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.063	5.063	0.000	88	629005	10.0	10.2	
36 2,4-Dichlorophenol	162	5.093	5.093	0.000	96	744191	10.0	9.88	
37 1,2,4-Trichlorobenzene	180	5.151	5.151	0.000	95	734772	10.0	9.35	
* 38 Naphthalene-d8	136	5.198	5.198	0.000	99	2136152	8.00	8.00	
39 Naphthalene	128	5.216	5.216	0.000	99	2746287	10.0	9.65	
40 4-Chloroaniline	127	5.287	5.287	0.000	97	1111619	10.0	9.84	
41 Hexachlorobutadiene	225	5.351	5.351	0.000	91	346426	10.0	9.43	
43 4-Chloro-3-methylphenol	107	5.787	5.787	0.000	97	757956	10.0	9.97	
44 2-Methylnaphthalene	142	5.881	5.881	0.000	85	1740536	10.0	9.74	
45 1-Methylnaphthalene	142	5.969	5.969	0.000	93	1604326	10.0	9.70	
46 Hexachlorocyclopentadiene	237	6.040	6.040	0.000	95	344207	10.0	10.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.045	6.045	0.000	95	569705	10.0	9.15	
48 2-tertbutyl-4-methylphenol	149	6.104	6.104	0.000	90	1080800	10.0	10.3	
49 2,4,6-Trichlorophenol	196	6.169	6.169	0.000	87	441048	10.0	9.48	a
50 2,4,5-Trichlorophenol	196	6.210	6.210	0.000	96	485985	10.0	9.77	a
$ 51 2-Fluorobiphenyl	172	6.234	6.234	0.000	98	1704996	10.0	8.84	
52 1,1'-Biphenyl	154	6.328	6.328	0.000	96	1891392	10.0	9.41	
53 2-Chloronaphthalene	162	6.340	6.340	0.000	98	1463536	10.0	9.51	
54 Phenyl ether	170	6.428	6.428	0.000	85	972179	10.0	9.38	
55 2-Nitroaniline	65	6.451	6.451	0.000	97	495994	10.0	9.30	
57 1,3-Dimethylnaphthalene	156	6.551	6.551	0.000	91	1216424	10.0	9.78	
59 Dimethyl phthalate	163	6.634	6.634	0.000	98	1530375	10.0	9.16	
60 Coumarin	146	6.640	6.640	0.000	81	584472	10.0	9.93	
61 2,6-Dinitrotoluene	165	6.681	6.681	0.000	95	375928	10.0	9.79	
62 Acenaphthylene	152	6.728	6.728	0.000	98	2351007	10.0	9.40	
63 3-Nitroaniline	138	6.845	6.845	0.000	97	462302	10.0	9.51	
* 64 Acenaphthene-d10	164	6.863	6.863	0.000	95	984687	8.00	8.00	
66 Acenaphthene	154	6.892	6.892	0.000	95	1298709	10.0	9.34	
65 3,5-di-tert-butyl-4-hydrox	205	6.904	6.904	0.000	98	1103919	10.0	10.2	
67 2,4-Dinitrophenol	184	6.940	6.940	0.000	93	452729	20.0	19.2	
70 Dibenzofuran	168	7.057	7.057	0.000	98	1785195	10.0	9.09	
68 4-Nitrophenol	65	7.063	7.063	0.000	87	625176	20.0	18.5	
69 2,4-Dinitrotoluene	165	7.063	7.063	0.000	84	417780	10.0	9.23	
72 2,3,4,6-Tetrachlorophenol	232	7.192	7.192	0.000	90	336608	10.0	9.75	
73 Diethyl phthalate	149	7.298	7.298	0.000	98	1591560	10.0	8.99	
75 Fluorene	166	7.375	7.375	0.000	95	1468036	10.0	9.35	
74 4-Chlorophenyl phenyl ethe	204	7.387	7.387	0.000	88	620813	10.0	9.33	
76 4-Nitroaniline	138	7.428	7.428	0.000	93	454955	10.0	9.29	
77 4,6-Dinitro-2-methylphenol	198	7.451	7.451	0.000	82	485032	20.0	19.9	
78 N-Nitrosodiphenylamine	169	7.504	7.504	0.000	73	1131337	10.0	9.44	
79 1,2-Diphenylhydrazine	77	7.534	7.534	0.000	99	1686232	10.0	9.23	
$ 80 2,4,6-Tribromophenol	330	7.610	7.610	0.000	93	189722	10.0	9.62	
81 4-Bromophenyl phenyl ether	248	7.839	7.839	0.000	81	348446	10.0	9.46	
82 Hexachlorobenzene	284	7.898	7.898	0.000	98	353151	10.0	9.11	
84 Pentachlorophenol	266	8.098	8.098	0.000	90	410555	20.0	20.3	
85 Pentachloronitrobenzene	237	8.104	8.104	0.000	83	149714	10.0	9.73	
86 n-Octadecane	57	8.186	8.186	0.000	91	962031	10.0	9.89	
* 87 Phenanthrene-d10	188	8.251	8.251	0.000	99	1491171	8.00	8.00	
88 Phenanthrene	178	8.275	8.275	0.000	98	2033488	10.0	9.23	
89 Anthracene	178	8.322	8.322	0.000	98	2119685	10.0	9.45	
90 Carbazole	167	8.486	8.486	0.000	96	1991218	10.0	9.35	
91 Di-n-butyl phthalate	149	8.833	8.833	0.000	99	2400970	10.0	9.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.386	9.386	0.000	97	1906759	10.0	9.28	
93 Benzidine	184	9.533	9.533	0.000	99	1068115	10.0	9.00	
94 Pyrene	202	9.598	9.598	0.000	97	1990113	10.0	9.46	
95 Bisphenol-A	213	9.692	9.692	0.000	97	974926	10.0	10.6	
$ 96 Terphenyl-d14	244	9.763	9.763	0.000	99	1151991	10.0	8.81	
97 Butyl benzyl phthalate	149	10.239	10.239	0.000	97	950596	10.0	9.37	
98 2,3,7,8-TCDD	320	10.316	10.316	0.000	89	2255	0.1000	0.1000	
99 Carbamazepine	193	10.339	10.339	0.000	92	805644	10.0	10.1	
100 3,3'-Dichlorobenzidine	252	10.763	10.763	0.000	99	527788	10.0	9.37	
101 Benzo[a]anthracene	228	10.769	10.769	0.000	100	1455476	10.0	9.18	
* 102 Chrysene-d12	240	10.786	10.786	0.000	99	972137	8.00	8.00	
104 Chrysene	228	10.810	10.810	0.000	98	1459609	10.0	9.31	
103 Bis(2-ethylhexyl) phthalat	149	10.851	10.851	0.000	87	1268122	10.0	9.81	
105 Di-n-octyl phthalate	149	11.592	11.592	0.000	96	2093740	10.0	10.2	
106 Benzo[b]fluoranthene	252	12.004	12.004	0.000	98	1416132	10.0	9.98	
107 Benzo[k]fluoranthene	252	12.039	12.039	0.000	99	1444742	10.0	9.42	
108 Benzo[a]pyrene	252	12.410	12.410	0.000	96	1315444	10.0	9.70	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	951798	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.892	13.892	0.000	99	1327533	10.0	9.11	
111 Dibenz(a,h)anthracene	278	13.933	13.933	0.000	94	1298759	10.0	9.34	
112 Benzo[g,h,i]perylene	276	14.245	14.245	0.000	96	1405466	10.0	9.09	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL6_00056 Amount Added: 1.00 Units: mL

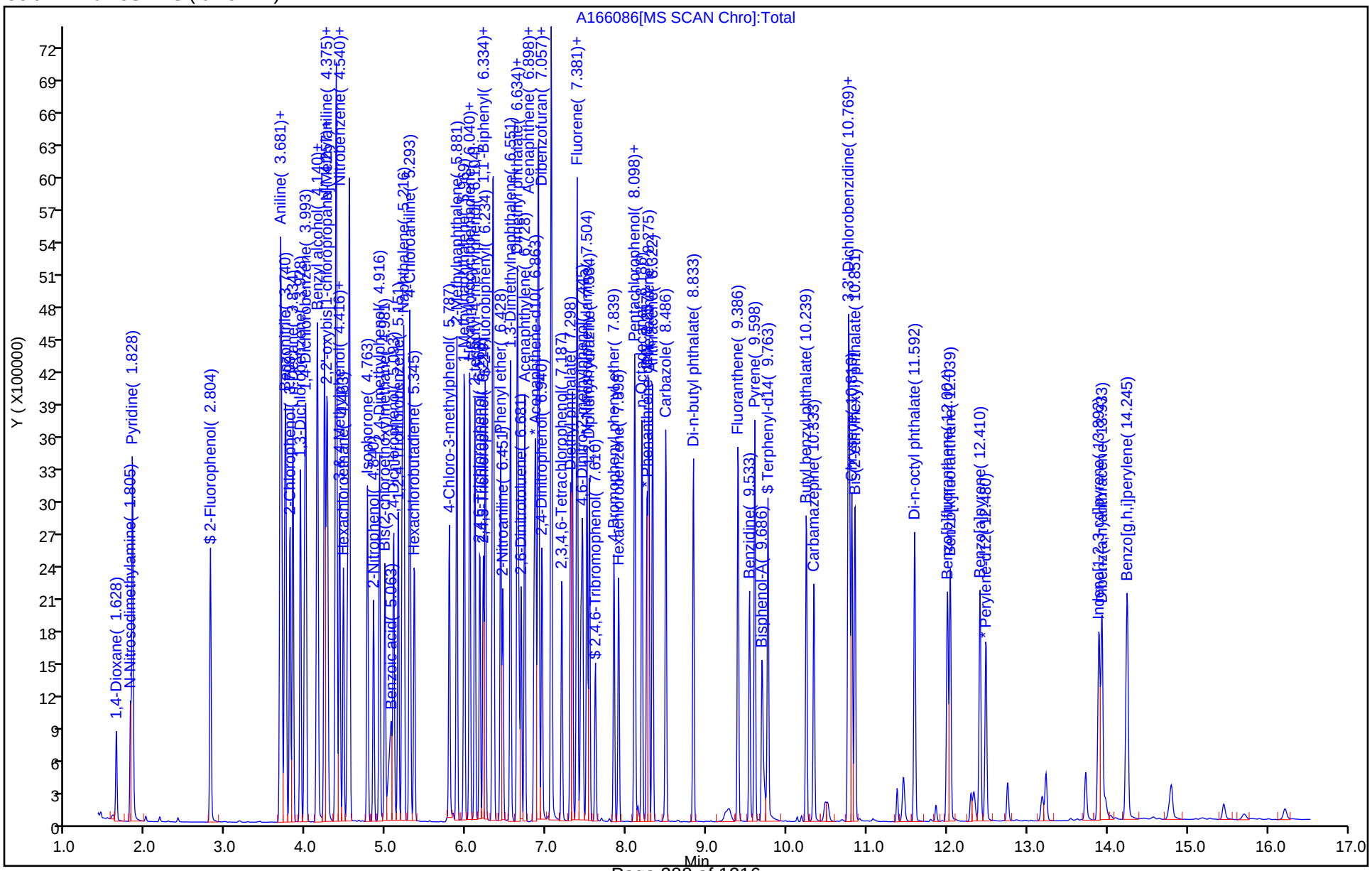
Report Date: 22-Nov-2019 17:37:19 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166086.D

Injection Date:	22-Nov-2019 09:35:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	icis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

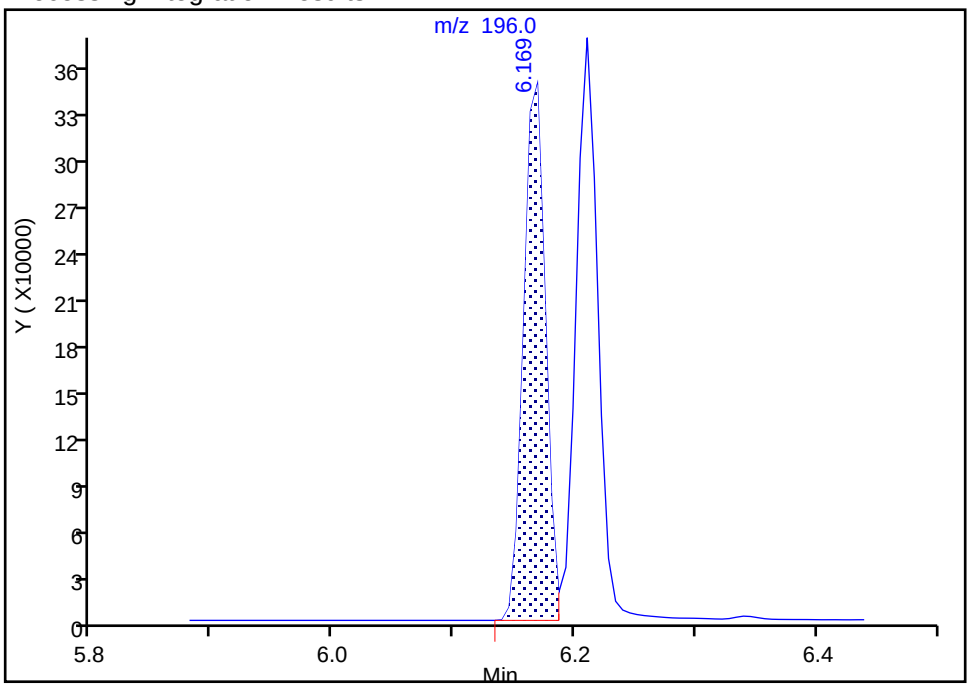
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166086.D				
Injection Date:	22-Nov-2019 09:35:30	Instrument ID:	CBNAMS16		
Lims ID:	icis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

49 2,4,6-Trichlorophenol, CAS: 88-06-2

Signal: 1

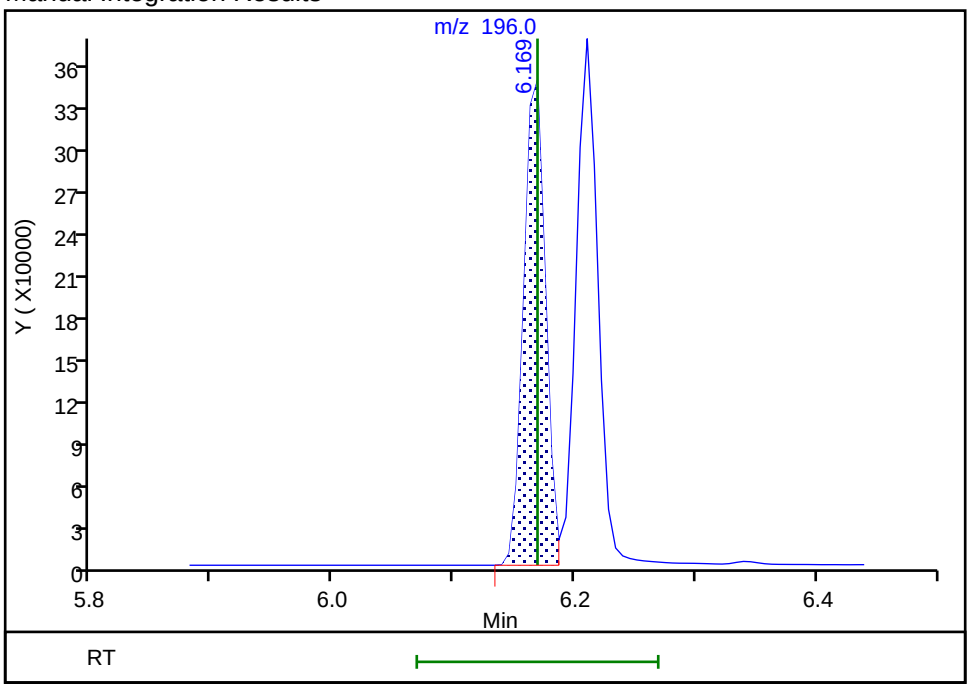
Processing Integration Results

RT: 6.17
Area: 441048
Amount: 10.000000
Amount Units: ug/ml



Manual Integration Results

RT: 6.17
Area: 441048
Amount: 9.481448
Amount Units: ug/ml



Reviewer: nimerd, 22-Nov-2019 10:22:24

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

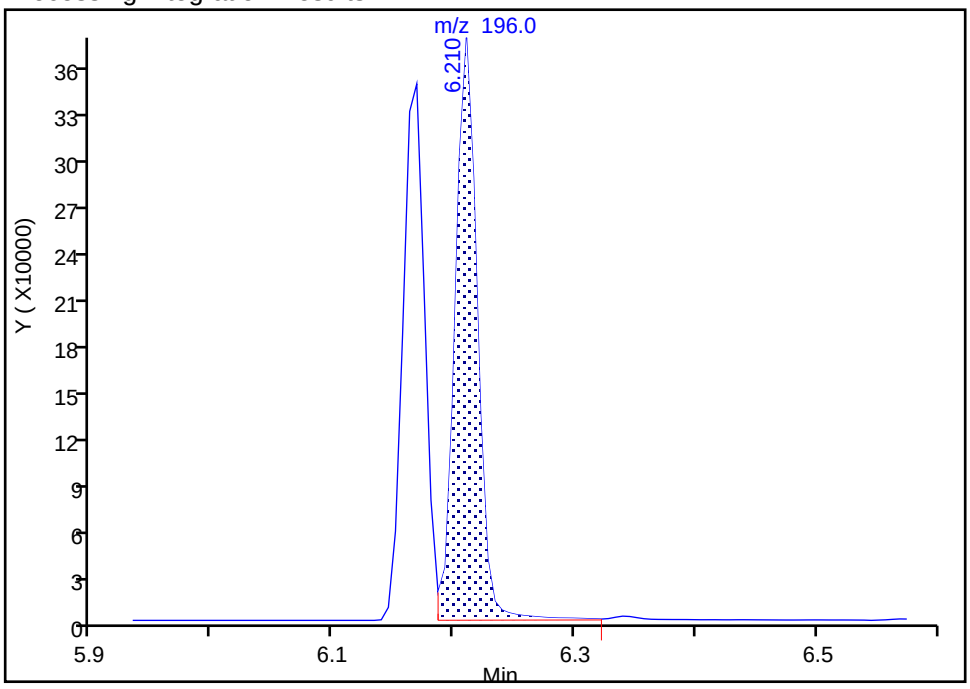
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166086.D				
Injection Date:	22-Nov-2019 09:35:30	Instrument ID:	CBNAMS16		
Lims ID:	icis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

50 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

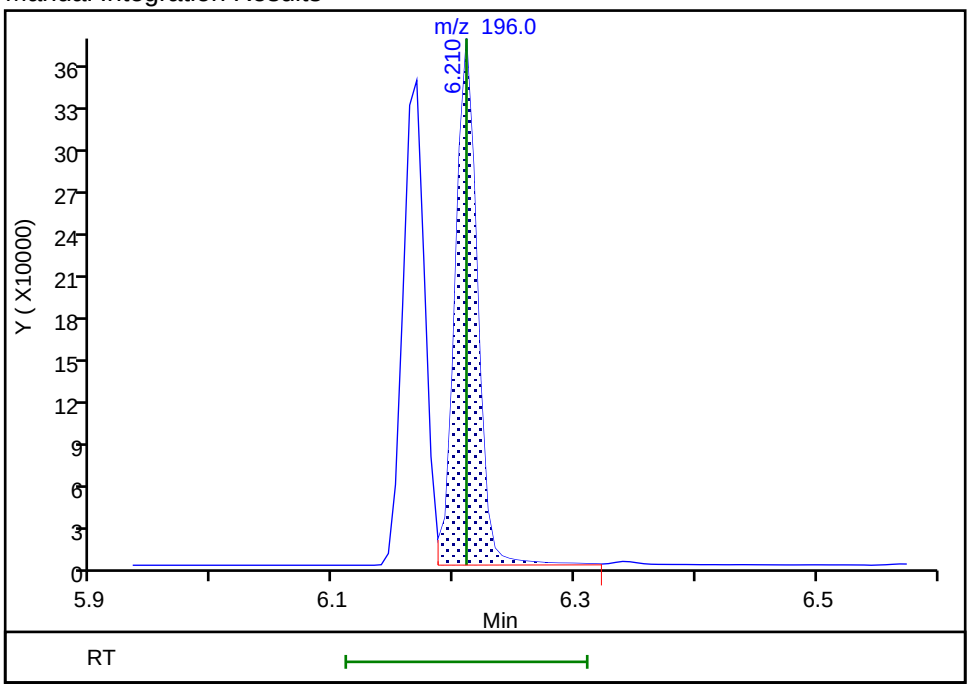
Processing Integration Results

RT: 6.21
Area: 485985
Amount: 10.000000
Amount Units: ug/ml



Manual Integration Results

RT: 6.21
Area: 485985
Amount: 9.768977
Amount Units: ug/ml



Reviewer: nimerd, 22-Nov-2019 10:22:14

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166087.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Nov-2019 10:40:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:37:25 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 11:53:02

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	1.616	1.628	-0.012	95	858057	24.0	23.3	
2 N-Nitrosodimethylamine	74	1.799	1.805	-0.006	89	1419545	24.0	23.7	
3 Pyridine	79	1.822	1.828	-0.006	92	3756231	48.0	46.4	
$ 4 2-Fluorophenol	112	2.799	2.804	-0.005	97	2297227	24.0	22.9	
8 Aniline	93	3.675	3.675	0.000	99	3367517	24.0	22.2	
$ 6 Phenol-d5	99	3.687	3.681	0.006	0	2482111	24.0	21.1	
7 Phenol	94	3.704	3.693	0.011	99	2922914	24.0	21.0	
9 Bis(2-chloroethyl)ether	93	3.734	3.728	0.006	97	2145131	24.0	21.1	
10 Benzonitrile	103	3.752	3.746	0.006	98	4493136	NC	NC	
11 2-Chlorophenol	128	3.799	3.799	0.000	97	2302408	24.0	22.3	
12 n-Decane	43	3.834	3.834	0.000	91	2160908	24.0	21.0	
13 1,3-Dichlorobenzene	146	3.928	3.928	0.000	95	2316070	24.0	21.8	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.981	0.000	97	522255	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.999	3.999	0.001	94	2284338	24.0	21.3	
16 Benzyl alcohol	108	4.140	4.134	0.006	95	1332288	24.0	22.4	
17 1,2-Dichlorobenzene	146	4.146	4.146	0.000	95	1943681	24.0	19.8	
19 2,2'-oxybis[1-chloropropan	45	4.252	4.251	0.001	94	2831802	24.0	21.6	
18 2-Methylphenol	108	4.275	4.263	0.012	92	2049917	24.0	22.4	
20 N-Methylaniline	106	4.375	4.369	0.006	99	3003358	24.0	29.1	
21 Acetophenone	105	4.387	4.375	0.012	96	2605276	24.0	20.3	
22 N-Nitrosodi-n-propylamine	70	4.393	4.381	0.012	90	1390778	24.0	21.3	
24 4-Methylphenol	108	4.422	4.416	0.006	95	2101844	24.0	22.5	
23 3 & 4 Methylphenol	108	4.422	4.416	0.006	97	2140347	24.0	22.2	
25 Hexachloroethane	117	4.463	4.463	0.000	93	822934	24.0	21.8	
$ 27 Nitrobenzene-d5	82	4.522	4.516	0.006	87	2268239	24.0	22.8	
28 Nitrobenzene	123	4.546	4.534	0.012	93	928667	24.0	20.2	
29 n,n'-Dimethylaniline	120	4.546	4.540	0.006	85	2715523	24.0	19.5	
30 Isophorone	82	4.775	4.763	0.012	99	4096375	24.0	23.0	
32 2-Nitrophenol	139	4.846	4.840	0.006	92	1152428	24.0	23.0	
33 2,4-Dimethylphenol	122	4.922	4.916	0.006	92	1776517	24.0	21.4	
34 Bis(2-chloroethoxy)methane	93	4.987	4.981	0.006	98	2327282	24.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.110	5.063	0.047	90	1509146	24.0	25.1	
36 2,4-Dichlorophenol	162	5.099	5.093	0.006	96	1523298	24.0	21.3	
37 1,2,4-Trichlorobenzene	180	5.151	5.151	0.000	94	1541135	24.0	20.7	
* 38 Naphthalene-d8	136	5.199	5.198	0.001	99	2024987	8.00	8.00	
39 Naphthalene	128	5.222	5.216	0.006	99	5595987	24.0	20.7	
40 4-Chloroaniline	127	5.293	5.287	0.006	97	2106905	24.0	19.7	
41 Hexachlorobutadiene	225	5.351	5.351	0.000	91	702896	24.0	20.2	
43 4-Chloro-3-methylphenol	107	5.787	5.787	0.000	97	1594459	24.0	22.1	
44 2-Methylnaphthalene	142	5.881	5.881	0.000	86	3384039	24.0	20.0	
45 1-Methylnaphthalene	142	5.975	5.969	0.006	93	3195534	24.0	20.4	
46 Hexachlorocyclopentadiene	237	6.040	6.040	0.000	94	690714	24.0	23.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.046	6.045	0.001	95	1084195	24.0	19.8	
48 2-tertbutyl-4-methylphenol	149	6.110	6.104	0.006	90	2139224	24.0	21.5	
49 2,4,6-Trichlorophenol	196	6.169	6.169	0.000	87	900165	24.0	22.1	
50 2,4,5-Trichlorophenol	196	6.216	6.210	0.006	96	987939	24.0	22.6	
$ 51 2-Fluorobiphenyl	172	6.240	6.234	0.006	98	3400810	24.0	20.1	
52 1,1'-Biphenyl	154	6.334	6.328	0.006	96	3467300	24.0	19.7	
53 2-Chloronaphthalene	162	6.346	6.340	0.006	98	2766223	24.0	20.5	
54 Phenyl ether	170	6.428	6.428	0.000	85	1977643	24.0	21.7	
55 2-Nitroaniline	65	6.463	6.451	0.012	96	1075783	24.0	23.0	
57 1,3-Dimethylnaphthalene	156	6.551	6.551	0.000	93	2372173	24.0	21.7	
59 Dimethyl phthalate	163	6.645	6.634	0.011	97	3128536	24.0	21.4	
60 Coumarin	146	6.645	6.640	0.005	81	1205677	24.0	21.6	
61 2,6-Dinitrotoluene	165	6.693	6.681	0.012	95	826287	24.0	24.5	
62 Acenaphthylene	152	6.734	6.728	0.006	98	4823924	24.0	22.0	
63 3-Nitroaniline	138	6.857	6.845	0.012	96	966167	24.0	22.7	
* 64 Acenaphthene-d10	164	6.863	6.863	0.000	95	863691	8.00	8.00	
66 Acenaphthene	154	6.898	6.892	0.006	95	2348946	24.0	19.3	
65 3,5-di-tert-butyl-4-hydrox	205	6.904	6.904	0.000	98	1867168	24.0	19.6	
67 2,4-Dinitrophenol	184	6.951	6.940	0.011	94	1044851	48.0	49.1	
70 Dibenzofuran	168	7.063	7.057	0.006	98	3411081	24.0	19.8	
68 4-Nitrophenol	65	7.069	7.063	0.006	87	1287214	48.0	43.5	
69 2,4-Dinitrotoluene	165	7.069	7.063	0.006	89	871206	24.0	21.9	
72 2,3,4,6-Tetrachlorophenol	232	7.193	7.192	0.000	89	689688	24.0	22.8	
73 Diethyl phthalate	149	7.310	7.298	0.012	98	3289429	24.0	21.2	
75 Fluorene	166	7.381	7.375	0.006	95	2712580	24.0	19.7	
74 4-Chlorophenyl phenyl ethe	204	7.392	7.387	0.005	86	1126495	24.0	19.3	
76 4-Nitroaniline	138	7.451	7.428	0.023	90	982887	24.0	22.9	
77 4,6-Dinitro-2-methylphenol	198	7.463	7.451	0.012	82	1132875	48.0	49.9	
78 N-Nitrosodiphenylamine	169	7.516	7.504	0.012	72	2320611	24.0	20.8	
79 1,2-Diphenylhydrazine	77	7.540	7.534	0.006	99	3800119	24.0	22.3	
$ 80 2,4,6-Tribromophenol	330	7.616	7.610	0.006	92	398002	24.0	23.0	
81 4-Bromophenyl phenyl ether	248	7.845	7.839	0.006	81	706203	24.0	20.6	
82 Hexachlorobenzene	284	7.904	7.898	0.006	98	712917	24.0	19.7	
84 Pentachlorophenol	266	8.104	8.098	0.006	91	851546	48.0	45.3	
85 Pentachloronitrobenzene	237	8.104	8.104	0.000	84	303523	24.0	21.2	
86 n-Octadecane	57	8.192	8.186	0.006	91	1813016	24.0	20.0	
* 87 Phenanthrene-d10	188	8.257	8.251	0.006	99	1388836	8.00	8.00	
88 Phenanthrene	178	8.281	8.275	0.006	98	4173837	24.0	20.3	
89 Anthracene	178	8.328	8.322	0.006	98	4220735	24.0	20.2	
90 Carbazole	167	8.492	8.486	0.006	96	4057136	24.0	20.5	
91 Di-n-butyl phthalate	149	8.834	8.833	0.001	99	4937750	24.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.392	9.386	0.006	97	3967065	24.0	20.7	
93 Benzidine	184	9.539	9.533	0.006	99	2374357	24.0	21.5	
94 Pyrene	202	9.604	9.598	0.006	97	4052864	24.0	21.5	
95 Bisphenol-A	213	9.692	9.692	0.000	98	2032815	24.0	24.6	
$ 96 Terphenyl-d14	244	9.769	9.763	0.006	98	2539536	24.0	21.7	
97 Butyl benzyl phthalate	149	10.245	10.239	0.006	97	2066256	24.0	22.8	
99 Carbamazepine	193	10.345	10.339	0.006	93	1771323	24.0	24.7	
100 3,3'-Dichlorobenzidine	252	10.775	10.763	0.012	99	1104012	24.0	21.9	
101 Benzo[a]anthracene	228	10.775	10.769	0.006	100	2874742	24.0	20.2	
* 102 Chrysene-d12	240	10.792	10.786	0.006	99	870689	8.00	8.00	
104 Chrysene	228	10.816	10.810	0.006	98	2925603	24.0	20.8	
103 Bis(2-ethylhexyl) phthalat	149	10.851	10.851	0.000	86	2733805	24.0	23.6	
105 Di-n-octyl phthalate	149	11.598	11.592	0.006	96	4615740	24.0	20.6	
106 Benzo[b]fluoranthene	252	12.016	12.004	0.012	98	3295005	24.0	21.2	
107 Benzo[k]fluoranthene	252	12.051	12.039	0.012	99	3310778	24.0	19.7	
108 Benzo[a]pyrene	252	12.427	12.410	0.017	96	3266903	24.0	21.9	
* 109 Perylene-d12	264	12.492	12.480	0.012	97	1044697	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.921	13.892	0.029	98	4655055	24.0	29.1	M
111 Dibenz(a,h)anthracene	278	13.963	13.933	0.030	97	3884964	24.0	25.5	
112 Benzo[g,h,i]perylene	276	14.286	14.245	0.041	97	4711220	24.0	27.8	
S 119 Total Cresols	1				0			44.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL8_00021 Amount Added: 1.00 Units: mL

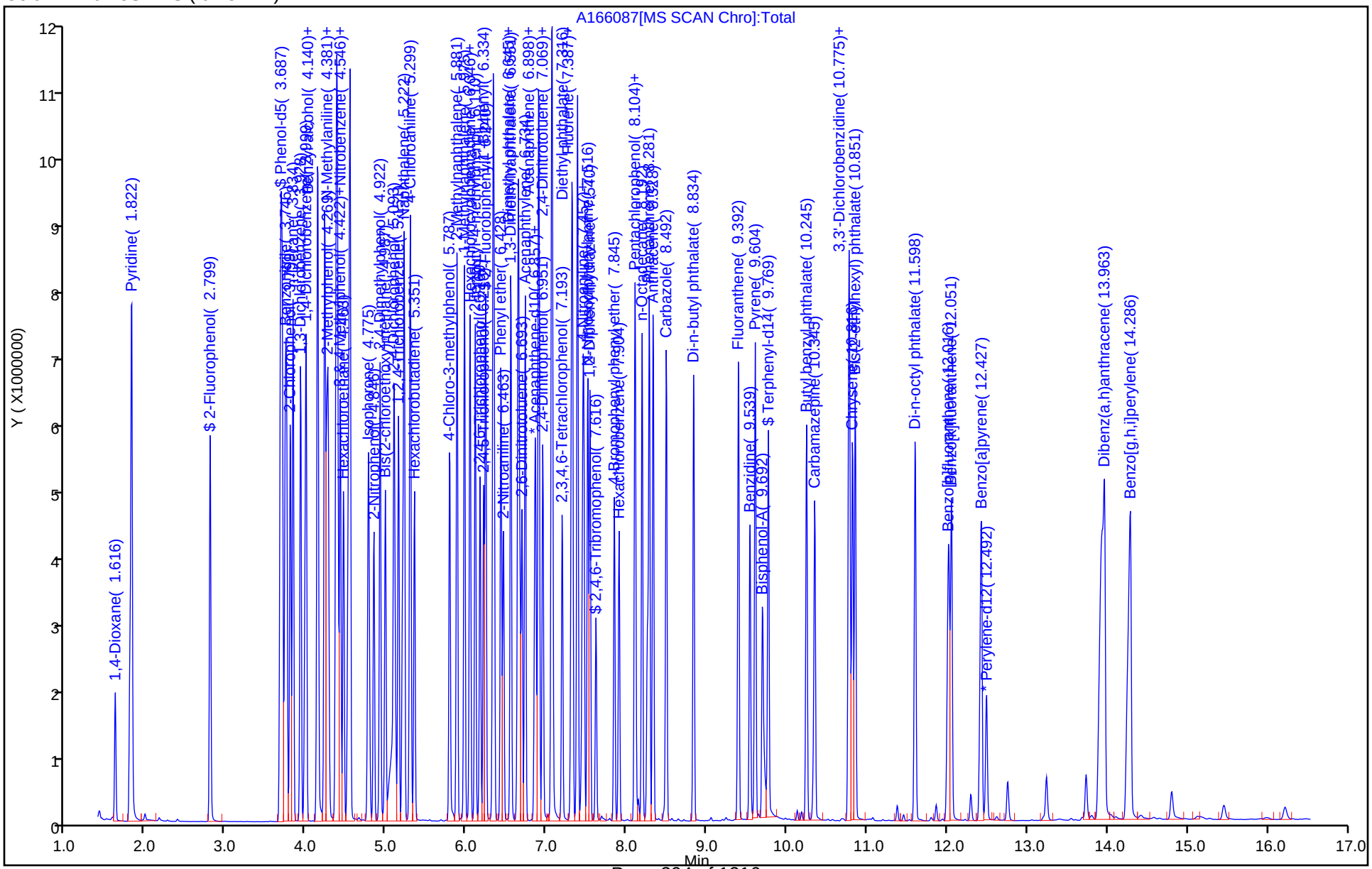
Report Date: 22-Nov-2019 17:37:28 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166087.D

Injection Date:	22-Nov-2019 10:40:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD24			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

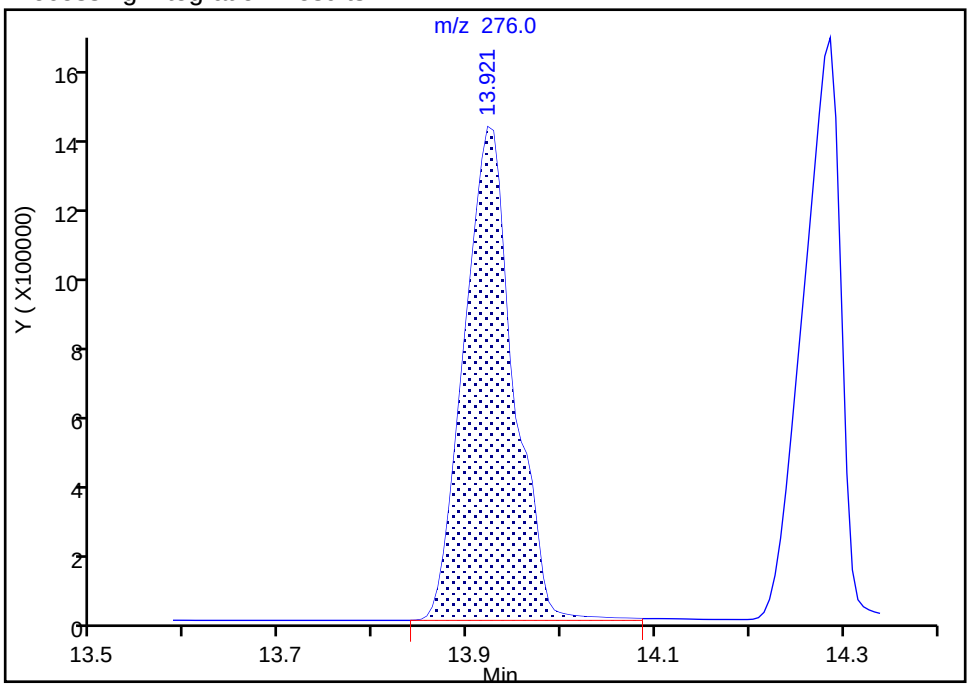
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166087.D				
Injection Date:	22-Nov-2019 10:40:30	Instrument ID:	CBNAMS16		
Lims ID:	STD24				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

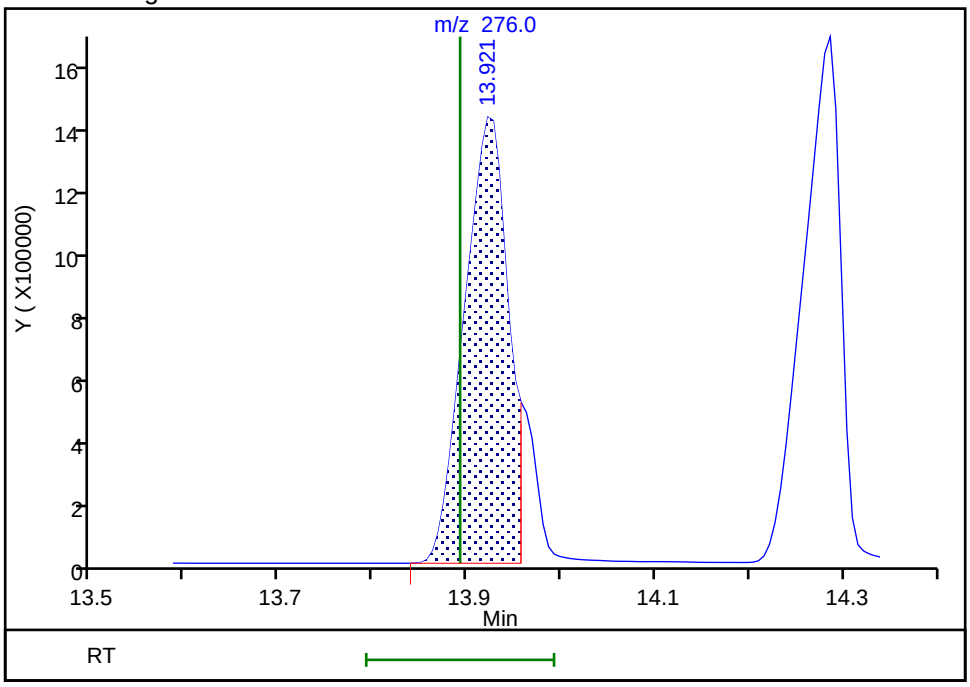
Processing Integration Results

RT: 13.92
Area: 5185980
Amount: 29.766349
Amount Units: ug/ml



Manual Integration Results

RT: 13.92
Area: 4655055
Amount: 29.094894
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 11:52:37

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166088.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Nov-2019 11:01:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-004
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:37:32 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 11:53:40

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	1.622	1.628	-0.006	95	627491	16.0	15.5	
2 N-Nitrosodimethylamine	74	1.804	1.805	-0.001	90	1034096	16.0	15.7	
3 Pyridine	79	1.828	1.828	0.000	92	2753207	32.0	30.9	
$ 4 2-Fluorophenol	112	2.804	2.804	0.000	97	1747873	16.0	15.8	
8 Aniline	93	3.675	3.675	0.000	99	2530164	16.0	15.2	
$ 6 Phenol-d5	99	3.687	3.681	0.006	0	1906828	16.0	14.7	
7 Phenol	94	3.698	3.693	0.005	99	2286182	16.0	15.0	
9 Bis(2-chloroethyl)ether	93	3.734	3.728	0.006	97	1611486	16.0	14.4	
10 Benzonitrile	103	3.751	3.746	0.005	99	3273140	NC	NC	
11 2-Chlorophenol	128	3.798	3.799	-0.001	96	1739957	16.0	15.3	
12 n-Decane	43	3.834	3.834	0.000	91	1705726	16.0	15.1	
13 1,3-Dichlorobenzene	146	3.928	3.928	0.000	95	1763140	16.0	15.1	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.981	0.000	97	573753	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.998	3.999	0.000	94	1770496	16.0	15.0	
16 Benzyl alcohol	108	4.134	4.134	0.000	94	987344	16.0	15.1	
17 1,2-Dichlorobenzene	146	4.145	4.146	-0.001	95	1567719	16.0	14.5	
19 2,2'-oxybis[1-chloropropan	45	4.251	4.251	0.000	94	2164533	16.0	15.0	
18 2-Methylphenol	108	4.269	4.263	0.006	92	1547625	16.0	15.4	
20 N-Methylaniline	106	4.369	4.369	0.000	99	2198313	16.0	16.0	
21 Acetophenone	105	4.381	4.375	0.006	95	1971727	16.0	14.0	
22 N-Nitrosodi-n-propylamine	70	4.387	4.381	0.006	91	1045594	16.0	14.6	
24 4-Methylphenol	108	4.422	4.416	0.006	95	1574426	16.0	15.3	
23 3 & 4 Methylphenol	108	4.422	4.416	0.006	96	1625212	16.0	15.4	
25 Hexachloroethane	117	4.463	4.463	0.000	93	629891	16.0	15.2	
$ 27 Nitrobenzene-d5	82	4.522	4.516	0.006	87	1692591	16.0	15.7	
28 Nitrobenzene	123	4.540	4.534	0.006	93	725763	16.0	14.3	
29 n,n'-Dimethylaniline	120	4.545	4.540	0.005	86	2070127	16.0	13.5	
30 Isophorone	82	4.769	4.763	0.006	100	3033918	16.0	15.7	
32 2-Nitrophenol	139	4.840	4.840	0.000	92	869071	16.0	16.0	
33 2,4-Dimethylphenol	122	4.916	4.916	0.000	92	1338743	16.0	14.9	
34 Bis(2-chloroethoxy)methane	93	4.987	4.981	0.006	98	1772995	16.0	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.081	5.063	0.018	89	1068067	16.0	16.6	
36 2,4-Dichlorophenol	162	5.092	5.093	-0.001	96	1161756	16.0	15.0	
37 1,2,4-Trichlorobenzene	180	5.151	5.151	0.000	94	1169430	16.0	14.5	
* 38 Naphthalene-d8	136	5.198	5.198	0.000	98	2190352	8.00	8.00	
39 Naphthalene	128	5.222	5.216	0.006	99	4316795	16.0	14.8	
40 4-Chloroaniline	127	5.292	5.287	0.005	97	1720334	16.0	14.8	
41 Hexachlorobutadiene	225	5.351	5.351	0.000	91	534412	16.0	14.2	
43 4-Chloro-3-methylphenol	107	5.787	5.787	0.000	96	1187474	16.0	15.2	
44 2-Methylnaphthalene	142	5.881	5.881	0.000	85	2621806	16.0	14.3	
45 1-Methylnaphthalene	142	5.975	5.969	0.006	93	2434606	16.0	14.4	
46 Hexachlorocyclopentadiene	237	6.039	6.040	-0.001	96	530711	16.0	16.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.045	6.045	0.000	97	853194	16.0	14.0	
48 2-tertbutyl-4-methylphenol	149	6.104	6.104	0.000	90	1588208	16.0	14.7	
49 2,4,6-Trichlorophenol	196	6.169	6.169	0.000	87	675636	16.0	14.8	
50 2,4,5-Trichlorophenol	196	6.210	6.210	0.000	95	753332	16.0	15.5	
$ 51 2-Fluorobiphenyl	172	6.239	6.234	0.005	98	2626328	16.0	13.9	
52 1,1'-Biphenyl	154	6.328	6.328	0.000	96	2783165	16.0	14.1	
53 2-Chloronaphthalene	162	6.339	6.340	-0.001	98	2131170	16.0	14.1	
54 Phenyl ether	170	6.428	6.428	0.000	86	1486988	16.0	14.7	
55 2-Nitroaniline	65	6.457	6.451	0.006	97	826617	16.0	15.8	
57 1,3-Dimethylnaphthalene	156	6.551	6.551	0.000	91	1801778	16.0	14.8	
59 Dimethyl phthalate	163	6.639	6.634	0.005	98	2372793	16.0	14.5	
60 Coumarin	146	6.645	6.640	0.005	80	894071	16.0	14.8	
61 2,6-Dinitrotoluene	165	6.687	6.681	0.005	95	622232	16.0	16.6	
62 Acenaphthylene	152	6.728	6.728	0.000	98	3672698	16.0	15.0	
63 3-Nitroaniline	138	6.851	6.845	0.006	96	735572	16.0	15.5	
* 64 Acenaphthene-d10	164	6.863	6.863	0.000	95	963716	8.00	8.00	
66 Acenaphthene	154	6.892	6.892	0.000	95	1894242	16.0	13.9	
65 3,5-di-tert-butyl-4-hydrox	205	6.904	6.904	0.000	98	1490989	16.0	14.0	
67 2,4-Dinitrophenol	184	6.945	6.940	0.005	93	749814	32.0	31.9	
70 Dibenzofuran	168	7.057	7.057	0.000	98	2635855	16.0	13.7	
68 4-Nitrophenol	65	7.063	7.063	0.000	86	971926	32.0	29.5	
69 2,4-Dinitrotoluene	165	7.063	7.063	0.000	88	652100	16.0	14.7	
72 2,3,4,6-Tetrachlorophenol	232	7.192	7.192	0.000	89	517026	16.0	15.3	
73 Diethyl phthalate	149	7.304	7.298	0.006	98	2530016	16.0	14.6	
75 Fluorene	166	7.381	7.375	0.006	95	2177292	16.0	14.2	
74 4-Chlorophenyl phenyl ethe	204	7.386	7.387	-0.001	88	907508	16.0	13.9	
76 4-Nitroaniline	138	7.439	7.428	0.011	91	758002	16.0	15.8	
77 4,6-Dinitro-2-methylphenol	198	7.457	7.451	0.006	83	800505	32.0	33.0	
78 N-Nitrosodiphenylamine	169	7.510	7.504	0.006	72	1767334	16.0	14.8	
79 1,2-Diphenylhydrazine	77	7.534	7.534	0.000	99	2707837	16.0	14.9	
$ 80 2,4,6-Tribromophenol	330	7.616	7.610	0.006	94	297815	16.0	15.4	
81 4-Bromophenyl phenyl ether	248	7.845	7.839	0.006	82	536170	16.0	14.6	
82 Hexachlorobenzene	284	7.898	7.898	0.000	98	543536	16.0	14.1	
84 Pentachlorophenol	266	8.098	8.098	0.000	90	621069	32.0	30.9	
85 Pentachloronitrobenzene	237	8.104	8.104	0.000	83	227892	16.0	14.9	
86 n-Octadecane	57	8.186	8.186	0.000	91	1429778	16.0	14.8	
* 87 Phenanthrene-d10	188	8.251	8.251	0.000	99	1483699	8.00	8.00	
88 Phenanthrene	178	8.275	8.275	0.000	98	3157935	16.0	14.4	
89 Anthracene	178	8.328	8.322	0.006	98	3243810	16.0	14.5	
90 Carbazole	167	8.492	8.486	0.006	96	3040521	16.0	14.4	
91 Di-n-butyl phthalate	149	8.833	8.833	0.000	99	3781076	16.0	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.392	9.386	0.006	97	2968225	16.0	14.5	
93 Benzidine	184	9.533	9.533	0.000	99	1937696	16.0	16.4	
94 Pyrene	202	9.598	9.598	0.000	97	3079936	16.0	15.2	
95 Bisphenol-A	213	9.692	9.692	0.000	97	1472420	16.0	16.5	
$ 96 Terphenyl-d14	244	9.763	9.763	0.000	98	1958333	16.0	15.6	
97 Butyl benzyl phthalate	149	10.245	10.239	0.006	97	1571814	16.0	16.1	
99 Carbamazepine	193	10.339	10.339	0.000	92	1292120	16.0	16.8	
100 3,3'-Dichlorobenzidine	252	10.769	10.763	0.006	99	848686	16.0	15.6	
101 Benzo[a]anthracene	228	10.774	10.769	0.005	100	2185991	16.0	14.3	
* 102 Chrysene-d12	240	10.786	10.786	0.000	99	936026	8.00	8.00	
104 Chrysene	228	10.816	10.810	0.006	98	2272638	16.0	15.1	
103 Bis(2-ethylhexyl) phthalat	149	10.851	10.851	0.000	87	2027071	16.0	16.3	
105 Di-n-octyl phthalate	149	11.598	11.592	0.006	96	3485072	16.0	16.4	
106 Benzo[b]fluoranthene	252	12.010	12.004	0.006	98	2358045	16.0	16.0	
107 Benzo[k]fluoranthene	252	12.045	12.039	0.006	99	2304110	16.0	14.4	
108 Benzo[a]pyrene	252	12.416	12.410	0.006	96	2200665	16.0	15.6	
* 109 Perylene-d12	264	12.486	12.480	0.006	97	989942	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.910	13.892	0.018	99	2734728	16.0	18.0	
111 Dibenz(a,h)anthracene	278	13.945	13.933	0.012	95	2345681	16.0	16.2	
112 Benzo[g,h,i]perylene	276	14.262	14.245	0.017	96	2768950	16.0	17.2	
S 119 Total Cresols	1				0			30.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL7_00021 Amount Added: 1.00 Units: mL

Report Date: 22-Nov-2019 17:37:33 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166088.D

Injection Date: 22-Nov-2019 11:01:30 Instrument ID: CBNAMS16 Operator ID:

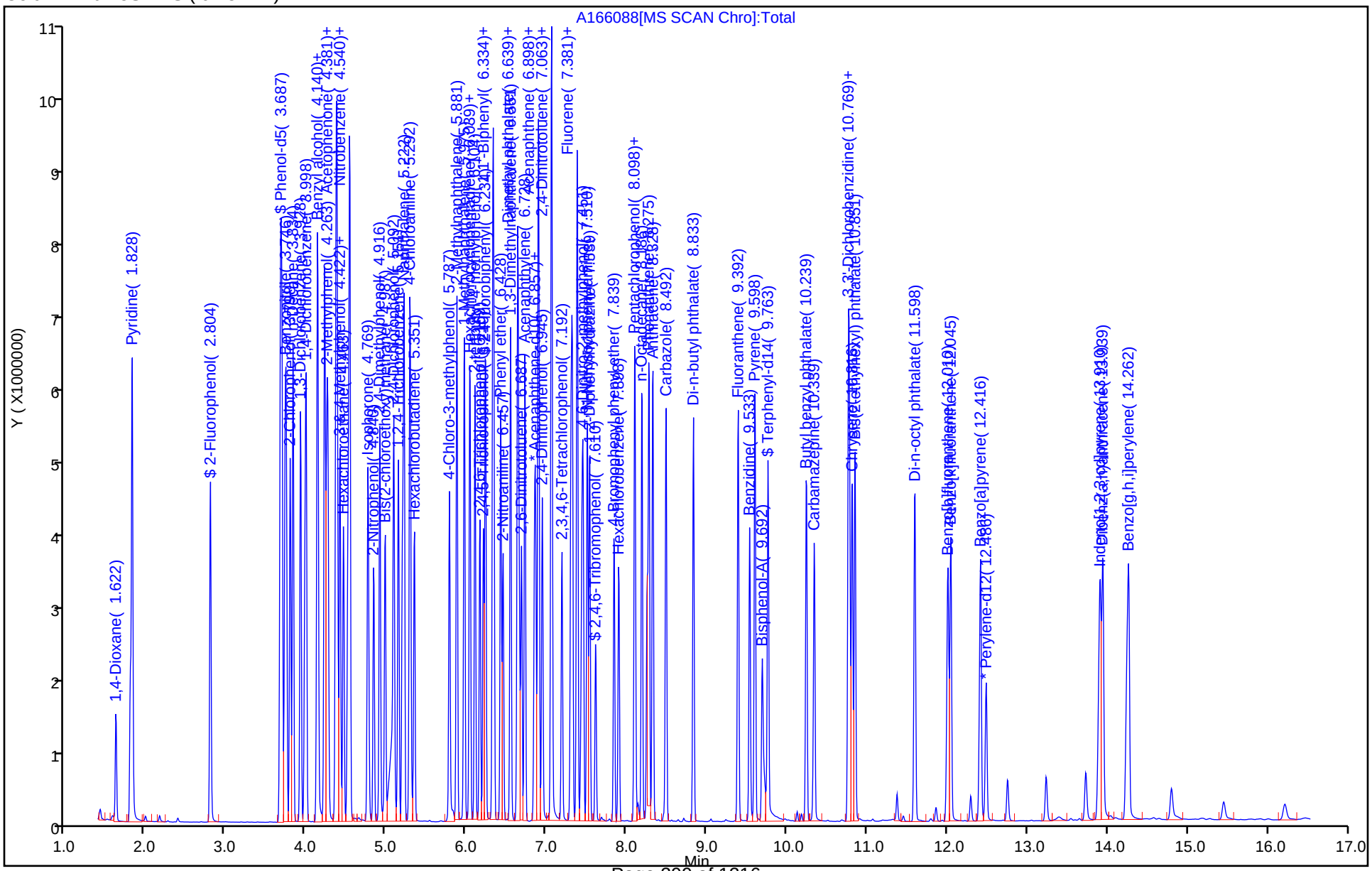
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166089.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Nov-2019 11:22:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-005
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:37:38 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 11:54:24

	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	1.628	1.628	0.000	95	166160	4.00	4.12	
	2 N-Nitrosodimethylamine	74	1.805	1.805	0.000	90	271764	4.00	4.15	
	3 Pyridine	79	1.828	1.828	0.000	93	758162	8.00	8.56	
$	4 2-Fluorophenol	112	2.805	2.804	0.001	97	436747	4.00	3.98	
	8 Aniline	93	3.669	3.675	-0.006	98	709475	4.00	4.27	
$	6 Phenol-d5	99	3.675	3.681	-0.006	0	517679	4.00	4.02	
	7 Phenol	94	3.687	3.693	-0.006	98	639989	4.00	4.21	
	9 Bis(2-chloroethyl)ether	93	3.728	3.728	0.000	98	443180	4.00	3.99	
	10 Benzonitrile	103	3.740	3.746	-0.006	98	884575	NC	NC	
	11 2-Chlorophenol	128	3.793	3.799	-0.006	97	474830	4.00	4.21	
	12 n-Decane	43	3.828	3.834	-0.006	91	483754	4.00	4.30	
	13 1,3-Dichlorobenzene	146	3.928	3.928	0.000	95	489400	4.00	4.21	
*	14 1,4-Dichlorobenzene-d4	152	3.981	3.981	0.000	97	570917	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.993	3.999	-0.005	94	500343	4.00	4.26	
	16 Benzyl alcohol	108	4.128	4.134	-0.006	95	268976	4.00	4.13	
	17 1,2-Dichlorobenzene	146	4.140	4.146	-0.006	95	462572	4.00	4.31	
	19 2,2'-oxybis[1-chloropropan	45	4.246	4.251	-0.005	95	606029	4.00	4.23	
	18 2-Methylphenol	108	4.257	4.263	-0.006	90	417667	4.00	4.18	
	20 N-Methylaniline	106	4.363	4.369	-0.006	97	620377	4.00	3.95	
	21 Acetophenone	105	4.369	4.375	-0.006	95	605394	4.00	4.31	
	22 N-Nitrosodi-n-propylamine	70	4.375	4.381	-0.006	90	292737	4.00	4.09	
	24 4-Methylphenol	108	4.410	4.416	-0.006	95	425224	4.00	4.16	
	23 3 & 4 Methylphenol	108	4.410	4.416	-0.006	97	443207	4.00	4.21	
	25 Hexachloroethane	117	4.463	4.463	0.000	93	173379	4.00	4.20	
$	27 Nitrobenzene-d5	82	4.510	4.516	-0.006	87	426373	4.00	3.88	
	28 Nitrobenzene	123	4.534	4.534	0.000	94	221189	4.00	4.39	
	29 n,n'-Dimethylaniline	120	4.534	4.540	-0.006	93	628154	4.00	4.12	
	30 Isophorone	82	4.757	4.763	-0.006	99	788040	4.00	4.01	
	32 2-Nitrophenol	139	4.840	4.840	0.000	93	230170	4.00	4.16	
	33 2,4-Dimethylphenol	122	4.910	4.916	-0.006	92	386944	4.00	4.22	
	34 Bis(2-chloroethoxy)methane	93	4.981	4.981	0.000	99	474272	4.00	4.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.028	5.063	-0.035	88	199973	4.00	3.46	
36 2,4-Dichlorophenol	162	5.087	5.093	-0.006	96	327120	4.00	4.15	
37 1,2,4-Trichlorobenzene	180	5.146	5.151	-0.005	94	335825	4.00	4.09	
* 38 Naphthalene-d8	136	5.199	5.198	0.001	99	2235524	8.00	8.00	
39 Naphthalene	128	5.216	5.216	0.000	99	1261247	4.00	4.23	
40 4-Chloroaniline	127	5.287	5.287	0.000	95	504745	4.00	4.27	
41 Hexachlorobutadiene	225	5.346	5.351	-0.005	92	157892	4.00	4.11	
43 4-Chloro-3-methylphenol	107	5.781	5.787	-0.006	97	333534	4.00	4.19	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	86	778799	4.00	4.17	
45 1-Methylnaphthalene	142	5.969	5.969	0.000	93	705314	4.00	4.08	
46 Hexachlorocyclopentadiene	237	6.034	6.040	-0.006	95	139421	4.00	4.32	
47 1,2,4,5-Tetrachlorobenzene	216	6.040	6.045	-0.005	95	259894	4.00	4.35	
48 2-tertbutyl-4-methylphenol	149	6.104	6.104	0.000	90	450749	4.00	4.09	
49 2,4,6-Trichlorophenol	196	6.163	6.169	-0.006	87	188777	4.00	4.23	
50 2,4,5-Trichlorophenol	196	6.210	6.210	0.000	96	197743	4.00	4.14	
$ 51 2-Fluorobiphenyl	172	6.234	6.234	0.000	98	712415	4.00	3.85	
52 1,1'-Biphenyl	154	6.322	6.328	-0.006	96	830248	4.00	4.30	
53 2-Chloronaphthalene	162	6.334	6.340	-0.006	98	635196	4.00	4.30	
54 Phenyl ether	170	6.422	6.428	-0.006	86	410181	4.00	4.12	
55 2-Nitroaniline	65	6.446	6.451	-0.005	97	220395	4.00	4.30	M
57 1,3-Dimethylnaphthalene	156	6.545	6.551	-0.006	91	496963	4.00	4.16	
59 Dimethyl phthalate	163	6.628	6.634	-0.006	98	687928	4.00	4.29	
60 Coumarin	146	6.634	6.640	-0.006	81	250497	4.00	4.07	
61 2,6-Dinitrotoluene	165	6.675	6.681	-0.006	95	155980	4.00	4.23	
62 Acenaphthylene	152	6.722	6.728	-0.006	98	1018977	4.00	4.24	
63 3-Nitroaniline	138	6.840	6.845	-0.005	96	197792	4.00	4.24	
* 64 Acenaphthene-d10	164	6.857	6.863	-0.006	95	945210	8.00	8.00	
66 Acenaphthene	154	6.887	6.892	-0.005	95	574280	4.00	4.30	
65 3,5-di-tert-butyl-4-hydrox	205	6.898	6.904	-0.006	98	431387	4.00	4.14	
67 2,4-Dinitrophenol	184	6.934	6.940	-0.006	94	175926	8.00	8.30	
70 Dibenzofuran	168	7.051	7.057	-0.006	97	808637	4.00	4.29	
68 4-Nitrophenol	65	7.057	7.063	-0.006	84	278755	8.00	8.61	
69 2,4-Dinitrotoluene	165	7.057	7.063	-0.006	76	194296	4.00	4.47	
72 2,3,4,6-Tetrachlorophenol	232	7.187	7.192	-0.005	88	136505	4.00	4.12	
73 Diethyl phthalate	149	7.293	7.298	-0.006	98	794840	4.00	4.68	
75 Fluorene	166	7.375	7.375	0.000	95	647559	4.00	4.30	
74 4-Chlorophenyl phenyl ethe	204	7.381	7.387	-0.006	86	279292	4.00	4.37	
76 4-Nitroaniline	138	7.416	7.428	-0.012	88	198771	4.00	4.23	
77 4,6-Dinitro-2-methylphenol	198	7.440	7.451	-0.011	82	200816	8.00	8.53	
78 N-Nitrosodiphenylamine	169	7.498	7.504	-0.006	78	482621	4.00	4.17	
79 1,2-Diphenylhydrazine	77	7.528	7.534	-0.006	99	730707	4.00	4.14	
$ 80 2,4,6-Tribromophenol	330	7.604	7.610	-0.006	92	75867	4.00	4.01	
81 4-Bromophenyl phenyl ether	248	7.840	7.839	0.001	81	148916	4.00	4.19	
82 Hexachlorobenzene	284	7.898	7.898	0.000	99	151041	4.00	4.03	
84 Pentachlorophenol	266	8.092	8.098	-0.006	90	167713	8.00	8.61	
85 Pentachloronitrobenzene	237	8.098	8.104	-0.006	82	62650	4.00	4.22	
86 n-Octadecane	57	8.187	8.186	0.001	91	398547	4.00	4.24	
* 87 Phenanthrene-d10	188	8.251	8.251	0.000	99	1440069	8.00	8.00	
88 Phenanthrene	178	8.269	8.275	-0.006	98	907233	4.00	4.26	
89 Anthracene	178	8.316	8.322	-0.006	98	917290	4.00	4.23	
90 Carbazole	167	8.487	8.486	0.001	96	881758	4.00	4.29	
91 Di-n-butyl phthalate	149	8.828	8.833	-0.005	99	1051404	4.00	4.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.386	9.386	0.000	97	839697	4.00	4.23	
93 Benzidine	184	9.528	9.533	-0.005	99	499331	4.00	4.36	
94 Pyrene	202	9.592	9.598	-0.006	97	880714	4.00	4.21	
95 Bisphenol-A	213	9.698	9.692	0.006	97	349691	4.00	3.81	
$ 96 Terphenyl-d14	244	9.757	9.763	-0.006	98	534673	4.00	4.11	
97 Butyl benzyl phthalate	149	10.239	10.239	0.000	97	427163	4.00	4.24	
99 Carbamazepine	193	10.328	10.339	-0.011	92	331752	4.00	4.17	
100 3,3'-Dichlorobenzidine	252	10.763	10.763	0.000	98	235566	4.00	4.20	
101 Benzo[a]anthracene	228	10.769	10.769	0.000	99	656356	4.00	4.16	
* 102 Chrysene-d12	240	10.781	10.786	-0.006	99	966579	8.00	8.00	
104 Chrysene	228	10.804	10.810	-0.006	98	643368	4.00	4.13	
103 Bis(2-ethylhexyl) phthalat	149	10.845	10.851	-0.006	87	546530	4.00	4.25	
105 Di-n-octyl phthalate	149	11.592	11.592	0.000	96	896209	4.00	4.34	
106 Benzo[b]fluoranthene	252	11.998	12.004	-0.006	98	645785	4.00	4.51	
107 Benzo[k]fluoranthene	252	12.027	12.039	-0.012	98	630702	4.00	4.07	
108 Benzo[a]pyrene	252	12.398	12.410	-0.012	96	586894	4.00	4.29	
* 109 Perylene-d12	264	12.480	12.480	0.000	98	960810	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.886	13.892	-0.006	99	569201	4.00	3.87	
111 Dibenz(a,h)anthracene	278	13.921	13.933	-0.012	96	556613	4.00	3.97	
112 Benzo[g,h,i]perylene	276	14.233	14.245	-0.012	97	584471	4.00	3.75	
S 119 Total Cresols	1				0			8.39	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL5_00029 Amount Added: 1.00 Units: mL

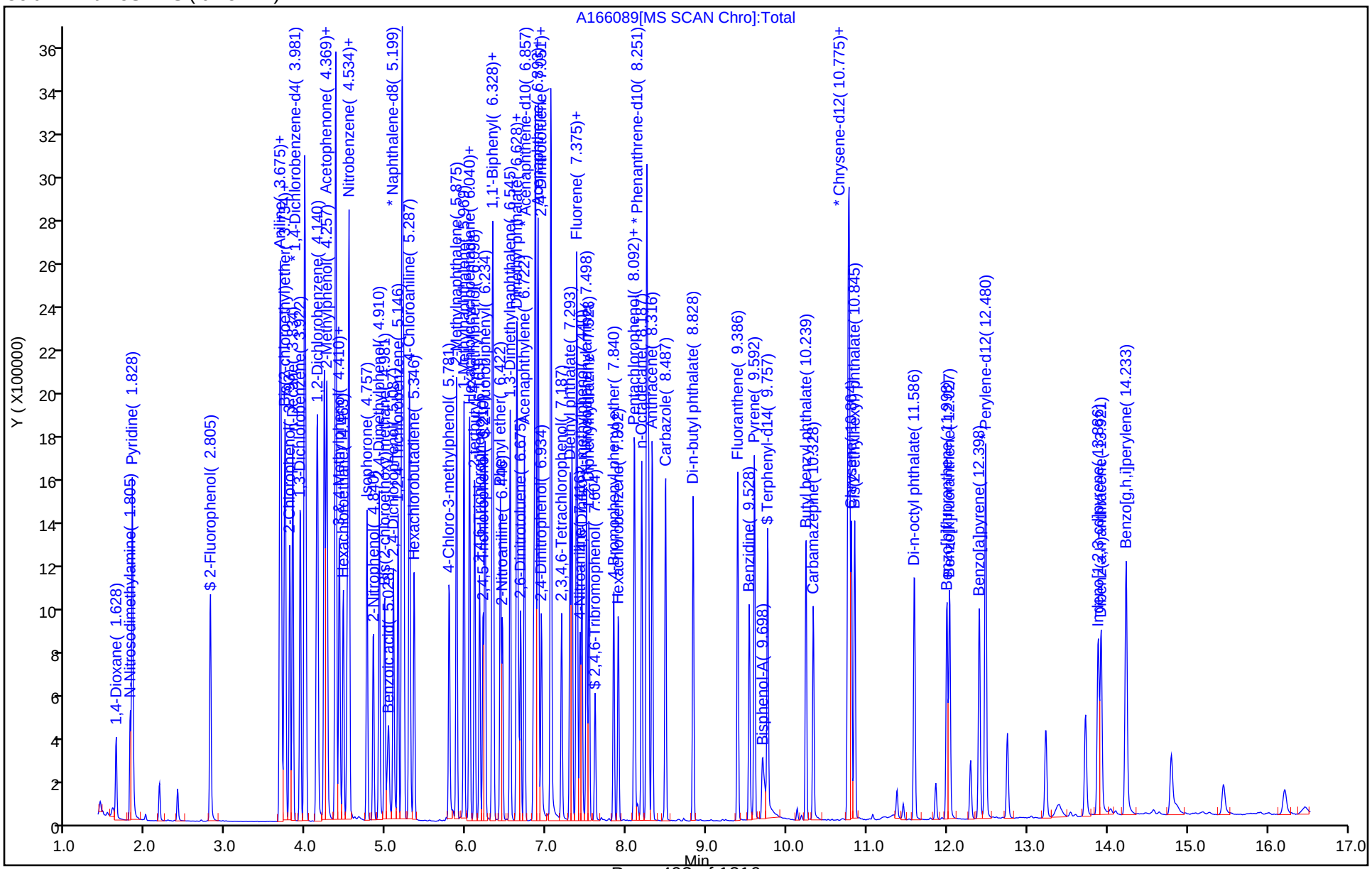
Report Date: 22-Nov-2019 17:37:39 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166089.D

Injection Date:	22-Nov-2019 11:22:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

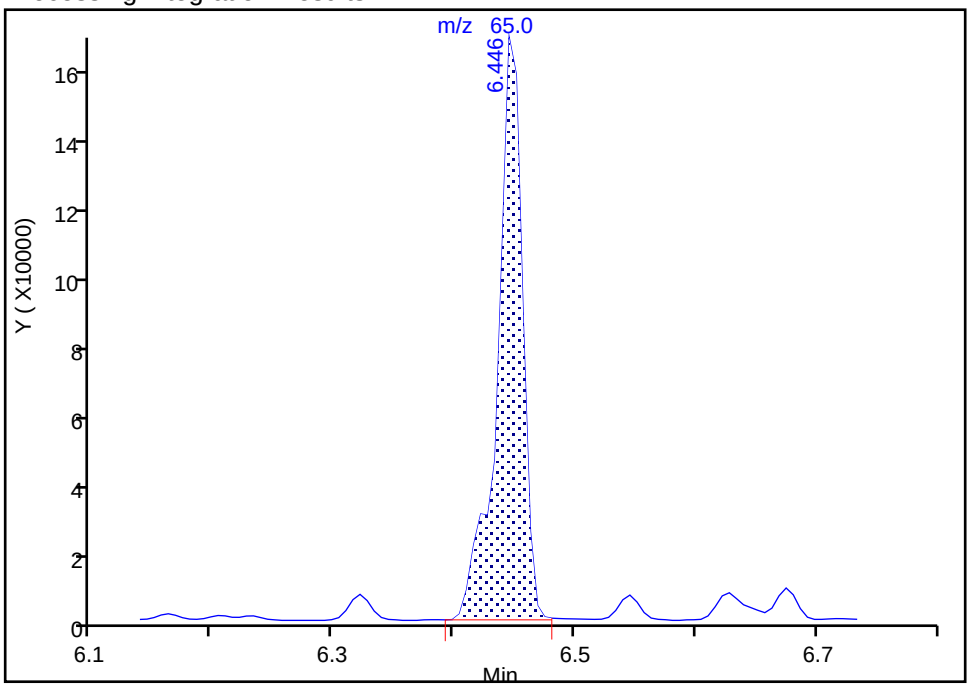
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166089.D				
Injection Date:	22-Nov-2019 11:22:30	Instrument ID:	CBNAMS16		
Lims ID:	STD4				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

55 2-Nitroaniline, CAS: 88-74-4

Signal: 1

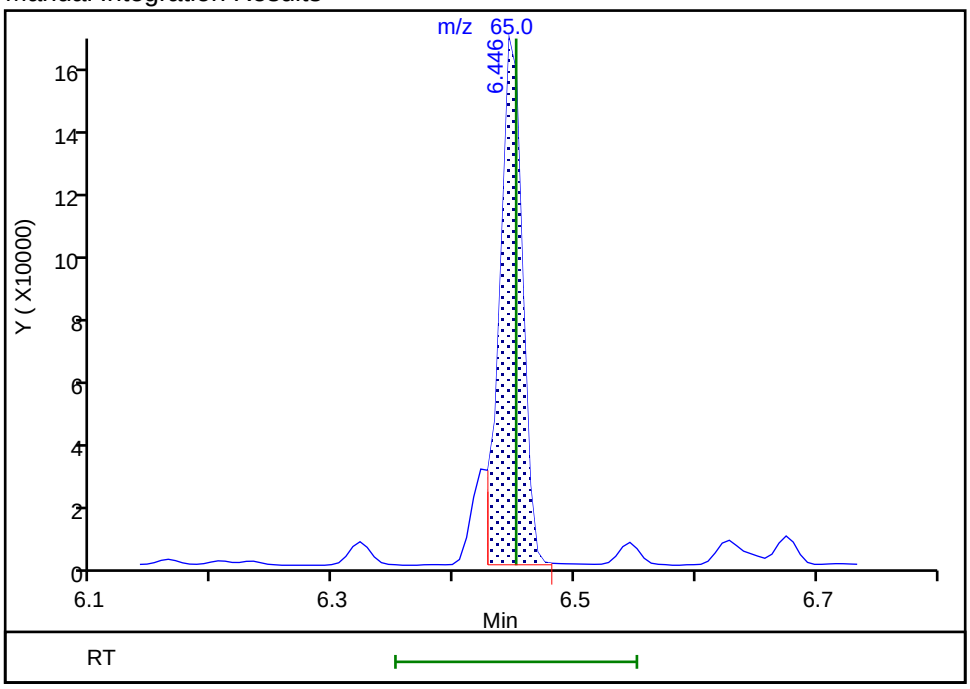
Processing Integration Results

RT: 6.45
Area: 242503
Amount: 4.475517
Amount Units: ug/ml



Manual Integration Results

RT: 6.45
Area: 220395
Amount: 4.303350
Amount Units: ug/ml



Reviewer: xuyvo, 22-Nov-2019 17:35:21

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166090.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Nov-2019 11:43:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-006
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:37:44 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 12:12:54

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	1.628	1.628	0.000	95	88048	2.00	2.08	
2 N-Nitrosodimethylamine	74	1.804	1.805	-0.001	91	144568	2.00	2.10	
3 Pyridine	79	1.828	1.828	0.000	92	392045	4.00	4.21	
$ 4 2-Fluorophenol	112	2.804	2.804	0.000	97	235535	2.00	2.04	
8 Aniline	93	3.669	3.675	-0.006	98	378911	2.00	2.17	
$ 6 Phenol-d5	99	3.675	3.681	-0.006	0	286590	2.00	2.12	
7 Phenol	94	3.687	3.693	-0.006	98	356214	2.00	2.23	
9 Bis(2-chloroethyl)ether	93	3.728	3.728	0.000	97	241384	2.00	2.07	
10 Benzonitrile	103	3.740	3.746	-0.006	98	474104	NC	NC	
11 2-Chlorophenol	128	3.793	3.799	-0.006	96	253893	2.00	2.14	
12 n-Decane	43	3.834	3.834	0.000	91	258321	2.00	2.18	
13 1,3-Dichlorobenzene	146	3.928	3.928	0.000	95	265234	2.00	2.17	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.981	0.000	97	599569	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.993	3.999	-0.006	95	270770	2.00	2.20	
16 Benzyl alcohol	108	4.128	4.134	-0.006	95	143783	2.00	2.10	
17 1,2-Dichlorobenzene	146	4.140	4.146	-0.006	95	253491	2.00	2.25	
19 2,2'-oxybis[1-chloropropan	45	4.245	4.251	-0.006	95	327813	2.00	2.18	
18 2-Methylphenol	108	4.257	4.263	-0.006	90	225601	2.00	2.15	
20 N-Methylaniline	106	4.363	4.369	-0.006	95	336960	2.00	2.03	
21 Acetophenone	105	4.369	4.375	-0.006	94	331357	2.00	2.25	
22 N-Nitrosodi-n-propylamine	70	4.369	4.381	-0.012	90	162686	2.00	2.17	
24 4-Methylphenol	108	4.410	4.416	-0.006	95	226128	2.00	2.10	
23 3 & 4 Methylphenol	108	4.410	4.416	-0.006	97	236407	2.00	2.14	
25 Hexachloroethane	117	4.463	4.463	0.000	93	90432	2.00	2.09	
$ 27 Nitrobenzene-d5	82	4.510	4.516	-0.006	89	231447	2.00	2.02	
28 Nitrobenzene	123	4.528	4.534	-0.006	94	120062	2.00	2.27	
29 n,n'-Dimethylaniline	120	4.534	4.540	-0.006	92	345642	2.00	2.16	
30 Isophorone	82	4.757	4.763	-0.006	99	428714	2.00	2.09	
32 2-Nitrophenol	139	4.840	4.840	0.000	92	119701	2.00	2.07	
33 2,4-Dimethylphenol	122	4.910	4.916	-0.006	93	209607	2.00	2.19	
34 Bis(2-chloroethoxy)methane	93	4.975	4.981	-0.006	99	261316	2.00	2.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.010	5.063	-0.053	86	105202	2.00	1.99	
36 2,4-Dichlorophenol	162	5.087	5.093	-0.006	96	180034	2.00	2.19	
37 1,2,4-Trichlorobenzene	180	5.145	5.151	-0.006	94	181982	2.00	2.12	
* 38 Naphthalene-d8	136	5.198	5.198	0.000	99	2331507	8.00	8.00	
39 Naphthalene	128	5.216	5.216	0.000	99	684877	2.00	2.20	
40 4-Chloroaniline	127	5.287	5.287	0.000	95	270174	2.00	2.19	
41 Hexachlorobutadiene	225	5.345	5.351	-0.006	92	86672	2.00	2.16	
43 4-Chloro-3-methylphenol	107	5.787	5.787	-0.001	97	180789	2.00	2.18	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	87	426361	2.00	2.19	
45 1-Methylnaphthalene	142	5.969	5.969	0.000	94	397566	2.00	2.20	
46 Hexachlorocyclopentadiene	237	6.034	6.040	-0.006	94	69416	2.00	2.02	
47 1,2,4,5-Tetrachlorobenzene	216	6.039	6.045	-0.006	95	145160	2.00	2.27	
48 2-tertbutyl-4-methylphenol	149	6.098	6.104	-0.006	90	244706	2.00	2.13	
49 2,4,6-Trichlorophenol	196	6.163	6.169	-0.006	86	101164	2.00	2.12	
50 2,4,5-Trichlorophenol	196	6.210	6.210	0.000	96	108567	2.00	2.13	
$ 51 2-Fluorobiphenyl	172	6.234	6.234	0.000	98	409778	2.00	2.07	
52 1,1'-Biphenyl	154	6.322	6.328	-0.006	95	473956	2.00	2.30	
53 2-Chloronaphthalene	162	6.334	6.340	-0.006	98	354003	2.00	2.24	
54 Phenyl ether	170	6.422	6.428	-0.006	87	226605	2.00	2.13	
55 2-Nitroaniline	65	6.445	6.451	-0.006	97	115852	2.00	2.12	M
57 1,3-Dimethylnaphthalene	156	6.545	6.551	-0.006	91	281976	2.00	2.21	
59 Dimethyl phthalate	163	6.622	6.634	-0.012	97	380335	2.00	2.22	
60 Coumarin	146	6.628	6.640	-0.012	81	139234	2.00	2.17	
61 2,6-Dinitrotoluene	165	6.675	6.681	-0.006	95	85129	2.00	2.16	
62 Acenaphthylene	152	6.722	6.728	-0.006	98	564406	2.00	2.20	
63 3-Nitroaniline	138	6.839	6.845	-0.006	96	107014	2.00	2.15	a
* 64 Acenaphthene-d10	164	6.857	6.863	-0.006	95	1009087	8.00	8.00	
66 Acenaphthene	154	6.886	6.892	-0.006	95	327104	2.00	2.29	
65 3,5-di-tert-butyl-4-hydrox	205	6.898	6.904	-0.006	98	240192	2.00	2.16	
67 2,4-Dinitrophenol	184	6.933	6.940	-0.007	92	76361	4.00	3.89	
70 Dibenzofuran	168	7.051	7.057	-0.006	97	465832	2.00	2.31	
68 4-Nitrophenol	65	7.051	7.063	-0.012	90	151062	4.00	4.37	
69 2,4-Dinitrotoluene	165	7.051	7.063	-0.012	79	109770	2.00	2.37	
72 2,3,4,6-Tetrachlorophenol	232	7.186	7.192	-0.006	89	76763	2.00	2.17	
73 Diethyl phthalate	149	7.292	7.298	-0.006	98	399870	2.00	2.20	
75 Fluorene	166	7.375	7.375	0.000	95	366722	2.00	2.28	
74 4-Chlorophenyl phenyl ethe	204	7.381	7.387	-0.006	85	154201	2.00	2.26	
76 4-Nitroaniline	138	7.410	7.428	-0.018	88	103236	2.00	2.06	
77 4,6-Dinitro-2-methylphenol	198	7.439	7.451	-0.012	81	97583	4.00	3.97	
78 N-Nitrosodiphenylamine	169	7.498	7.504	-0.006	73	271009	2.00	2.24	
79 1,2-Diphenylhydrazine	77	7.528	7.534	-0.006	99	396962	2.00	2.15	
$ 80 2,4,6-Tribromophenol	330	7.604	7.610	-0.006	92	43214	2.00	2.14	
81 4-Bromophenyl phenyl ether	248	7.839	7.839	0.000	83	84152	2.00	2.27	
82 Hexachlorobenzene	284	7.892	7.898	-0.006	99	86197	2.00	2.20	
84 Pentachlorophenol	266	8.092	8.098	-0.006	88	85372	4.00	4.20	
85 Pentachloronitrobenzene	237	8.098	8.104	-0.006	82	34977	2.00	2.26	
86 n-Octadecane	57	8.186	8.186	0.000	91	215534	2.00	2.20	
* 87 Phenanthrene-d10	188	8.251	8.251	0.000	99	1503645	8.00	8.00	
88 Phenanthrene	178	8.269	8.275	-0.006	97	510484	2.00	2.30	
89 Anthracene	178	8.316	8.322	-0.006	98	518513	2.00	2.29	
90 Carbazole	167	8.480	8.486	-0.006	96	486529	2.00	2.27	
91 Di-n-butyl phthalate	149	8.827	8.833	-0.006	99	575149	2.00	2.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.386	9.386	0.000	97	466111	2.00	2.25	
93 Benzidine	184	9.527	9.533	-0.006	100	244129	2.00	2.04	
94 Pyrene	202	9.592	9.598	-0.006	97	486628	2.00	2.12	
95 Bisphenol-A	213	9.704	9.692	0.012	97	196380	2.00	1.95	
$ 96 Terphenyl-d14	244	9.757	9.763	-0.006	98	312509	2.00	2.19	
97 Butyl benzyl phthalate	149	10.239	10.239	0.000	97	226448	2.00	2.05	
99 Carbamazepine	193	10.327	10.339	-0.012	92	174405	2.00	2.00	
100 3,3'-Dichlorobenzidine	252	10.757	10.763	-0.006	98	127109	2.00	2.07	
101 Benzo[a]anthracene	228	10.769	10.769	0.000	99	362970	2.00	2.10	
* 102 Chrysene-d12	240	10.780	10.786	-0.006	99	1059360	8.00	8.00	
104 Chrysene	228	10.804	10.810	-0.006	99	361589	2.00	2.12	
103 Bis(2-ethylhexyl) phthalat	149	10.845	10.851	-0.006	87	287022	2.00	2.04	
105 Di-n-octyl phthalate	149	11.592	11.592	0.000	96	483417	2.00	2.14	
106 Benzo[b]fluoranthene	252	11.998	12.004	-0.006	98	324650	2.00	2.08	
107 Benzo[k]fluoranthene	252	12.027	12.039	-0.012	99	376510	2.00	2.23	
108 Benzo[a]pyrene	252	12.398	12.410	-0.012	96	318438	2.00	2.13	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1049602	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.880	13.892	-0.012	98	320619	2.00	1.99	M
111 Dibenz(a,h)anthracene	278	13.921	13.933	-0.012	94	321833	2.00	2.10	
112 Benzo[g,h,i]perylene	276	14.227	14.245	-0.018	96	333030	2.00	1.95	
S 119 Total Cresols	1				0			4.29	

QC Flag Legend

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

Reagents:

SM_BNAL4_00042 Amount Added: 1.00 Units: mL

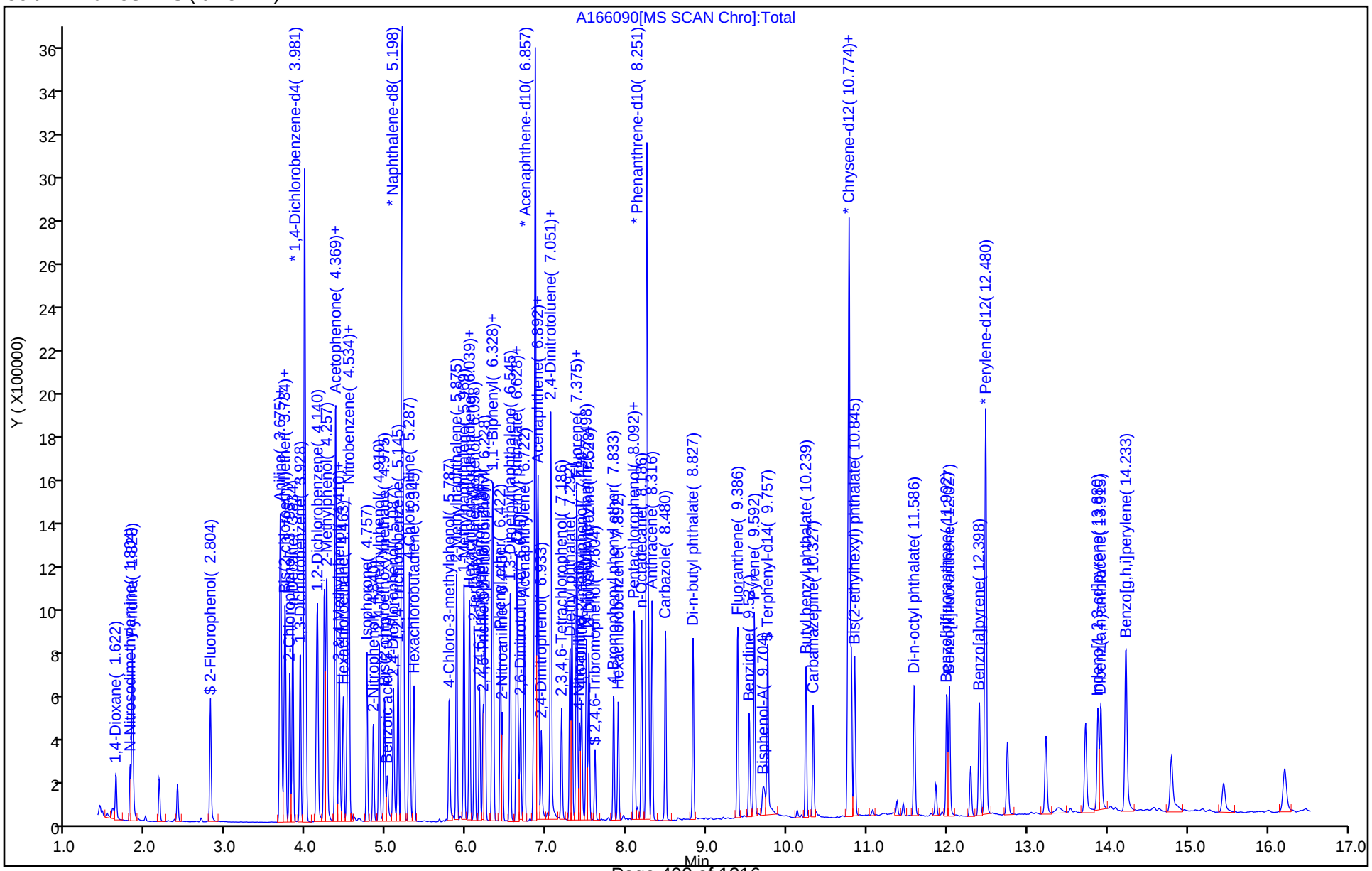
Report Date: 22-Nov-2019 17:37:45 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166090.D

Injection Date:	22-Nov-2019 11:43:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

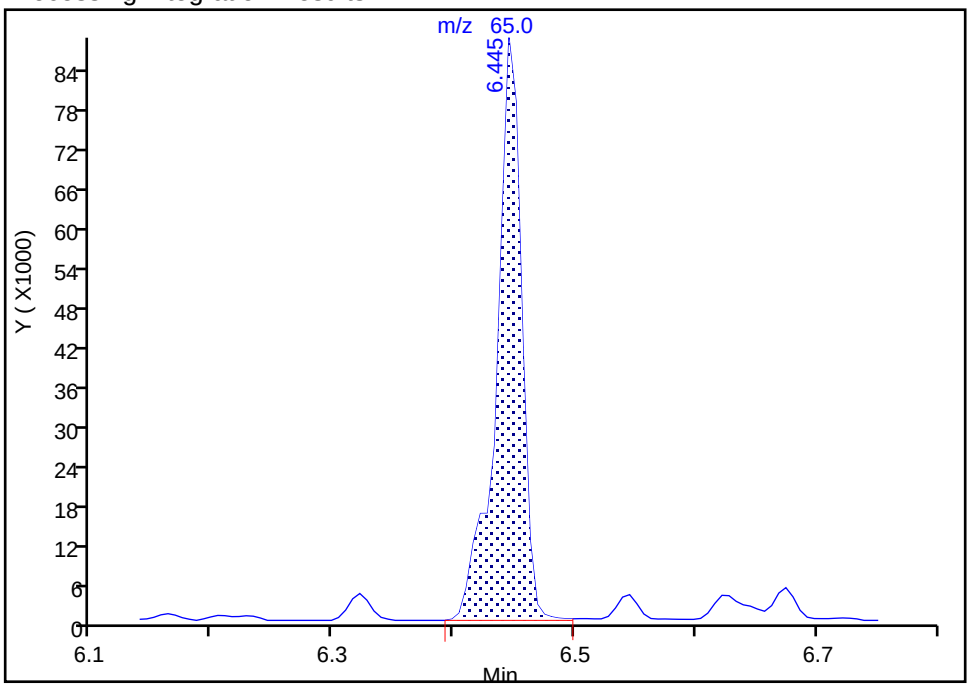
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166090.D				
Injection Date:	22-Nov-2019 11:43:30	Instrument ID:	CBNAMS16		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

55 2-Nitroaniline, CAS: 88-74-4

Signal: 1

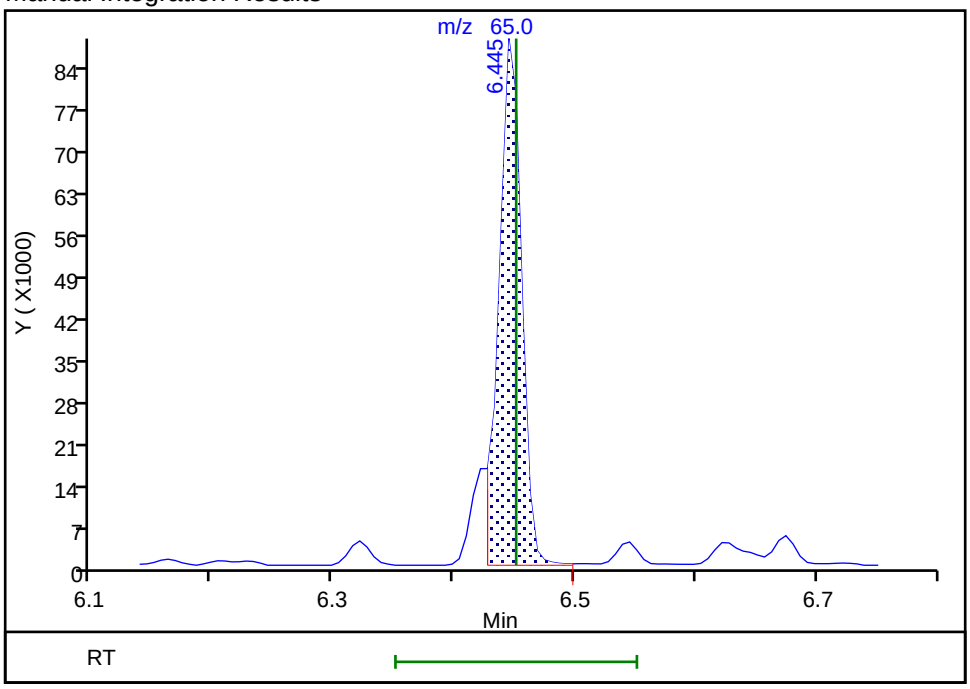
Processing Integration Results

RT: 6.45
Area: 127955
Amount: 2.250245
Amount Units: ug/ml



Manual Integration Results

RT: 6.45
Area: 115852
Amount: 2.118889
Amount Units: ug/ml



Reviewer: xuyvo, 22-Nov-2019 17:35:42

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

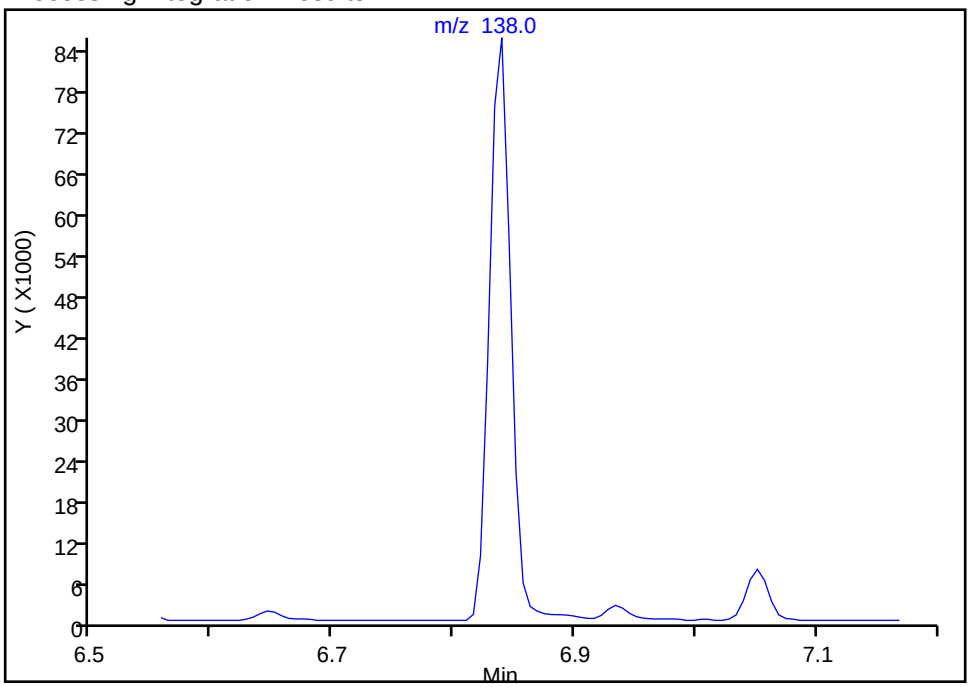
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166090.D
Injection Date: 22-Nov-2019 11:43:30 Instrument ID: CBNAMS16
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

63 3-Nitroaniline, CAS: 99-09-2

Signal: 1

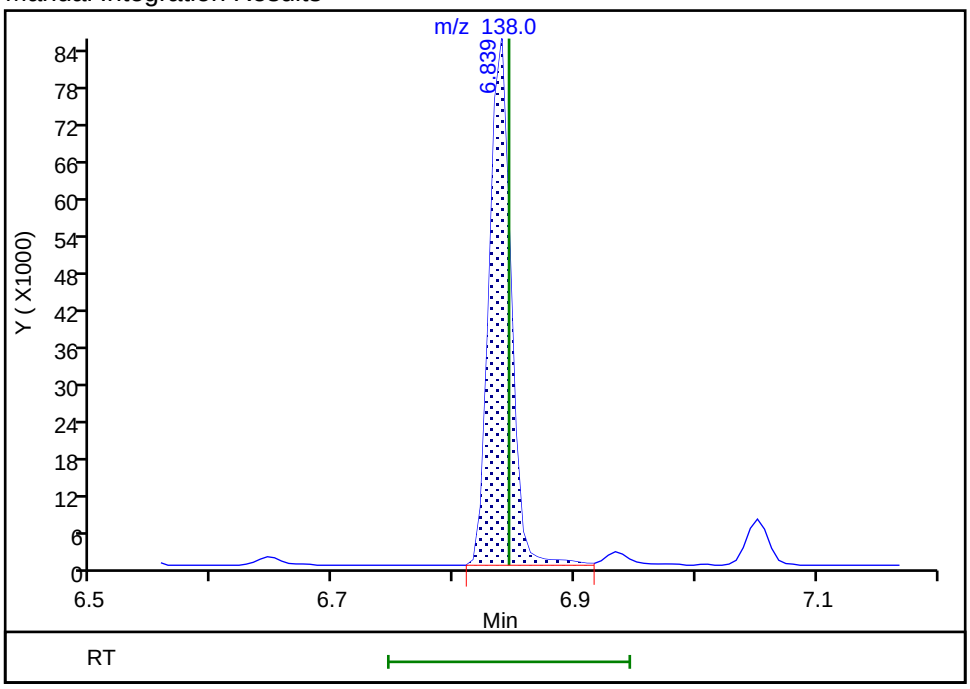
Not Detected
Expected RT: 6.85

Processing Integration Results



Manual Integration Results

RT: 6.84
Area: 107014
Amount: 2.147746
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 12:11:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

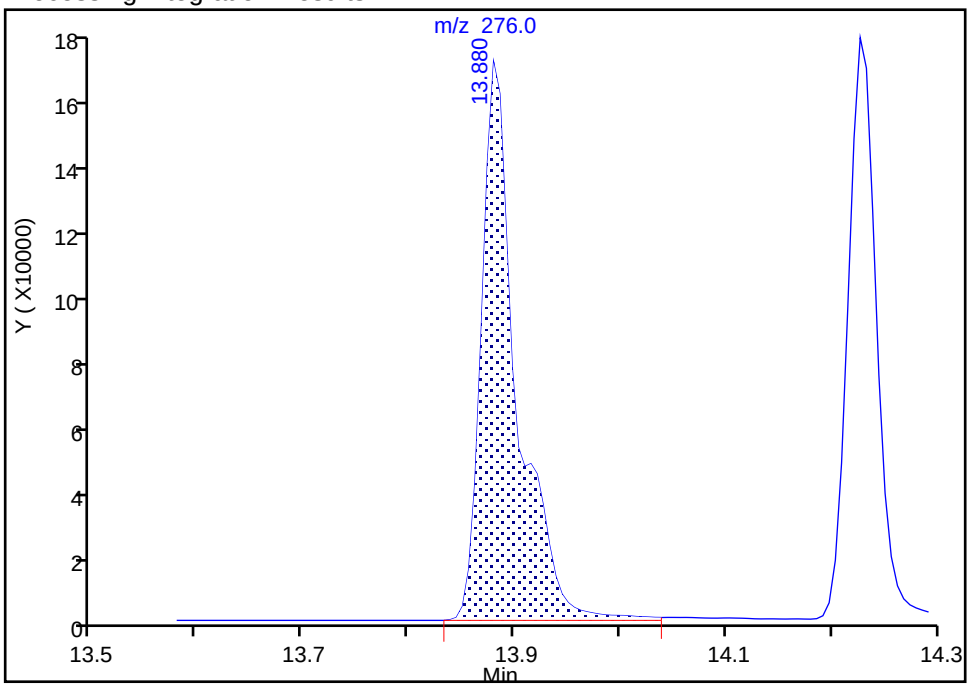
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166090.D				
Injection Date:	22-Nov-2019 11:43:30	Instrument ID:	CBNAMS16		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

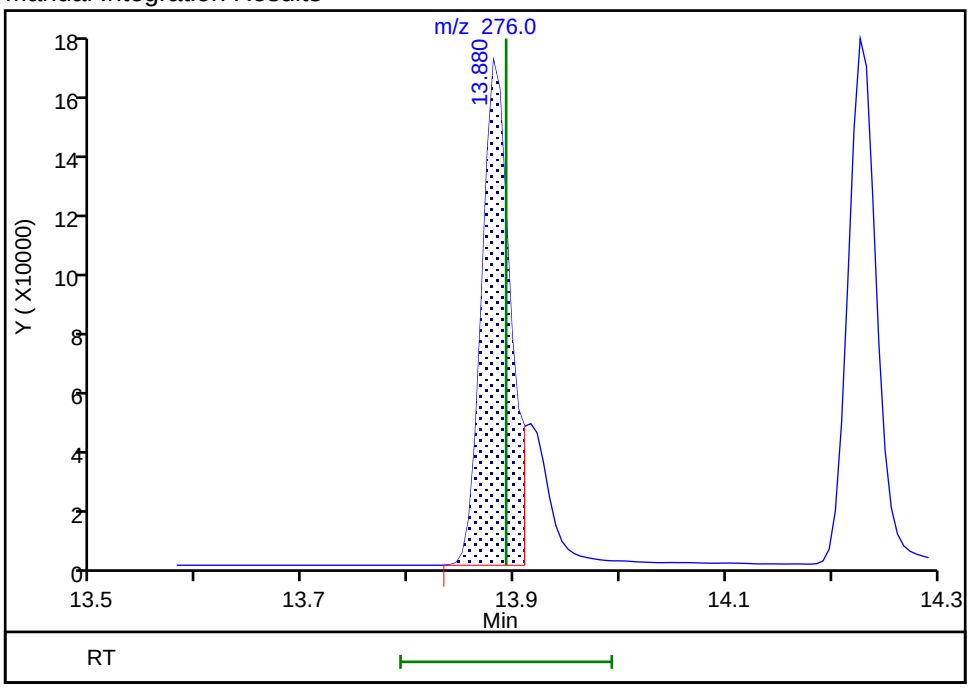
Processing Integration Results

RT: 13.88
Area: 391700
Amount: 2.241391
Amount Units: ug/ml



Manual Integration Results

RT: 13.88
Area: 320619
Amount: 1.994559
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 12:12:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166091.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Nov-2019 12:04:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-007
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:37:52 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 13:04:21

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	1.628	1.628	0.000	96	42545	1.00	1.02	
2 N-Nitrosodimethylamine	74	1.805	1.805	0.000	90	65885	1.00	0.9721	
3 Pyridine	79	1.834	1.828	0.006	94	179580	2.00	1.96	
$ 4 2-Fluorophenol	112	2.804	2.804	0.000	96	109963	1.00	0.9678	
8 Aniline	93	3.669	3.675	-0.006	97	172874	1.00	1.00	
$ 6 Phenol-d5	99	3.675	3.681	-0.006	0	134484	1.00	1.01	
7 Phenol	94	3.687	3.693	-0.006	98	165174	1.00	1.05	
9 Bis(2-chloroethyl)ether	93	3.722	3.728	-0.006	98	118025	1.00	1.03	
10 Benzonitrile	103	3.740	3.746	-0.006	98	225094	NC	NC	
11 2-Chlorophenol	128	3.793	3.799	-0.006	96	118982	1.00	1.02	
12 n-Decane	43	3.828	3.834	-0.006	92	123948	1.00	1.06	
13 1,3-Dichlorobenzene	146	3.922	3.928	-0.006	96	125257	1.00	1.04	
* 14 1,4-Dichlorobenzene-d4	152	3.975	3.981	-0.006	97	590981	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.993	3.999	-0.005	94	126285	1.00	1.04	
16 Benzyl alcohol	108	4.128	4.134	-0.006	95	65862	1.00	0.9780	
17 1,2-Dichlorobenzene	146	4.140	4.146	-0.006	95	120096	1.00	1.08	
19 2,2'-oxybis[1-chloropropan	45	4.246	4.251	-0.005	94	156029	1.00	1.05	
18 2-Methylphenol	108	4.257	4.263	-0.006	92	103973	1.00	1.00	
20 N-Methylaniline	106	4.363	4.369	-0.006	96	144700	1.00	0.9111	
21 Acetophenone	105	4.363	4.375	-0.012	93	161457	1.00	1.11	
22 N-Nitrosodi-n-propylamine	70	4.369	4.381	-0.012	90	78316	1.00	1.06	
24 4-Methylphenol	108	4.410	4.416	-0.006	94	107870	1.00	1.02	
23 3 & 4 Methylphenol	108	4.410	4.416	-0.006	96	110444	1.00	1.01	
25 Hexachloroethane	117	4.463	4.463	0.000	93	41776	1.00	0.9773	
$ 27 Nitrobenzene-d5	82	4.510	4.516	-0.006	88	106085	1.00	0.9693	
28 Nitrobenzene	123	4.528	4.534	-0.006	94	54210	1.00	1.04	
29 n,n'-Dimethylaniline	120	4.534	4.540	-0.006	92	159921	1.00	1.01	
30 Isophorone	82	4.757	4.763	-0.006	99	200362	1.00	1.02	
32 2-Nitrophenol	139	4.840	4.840	0.000	93	54540	1.00	0.9894	
33 2,4-Dimethylphenol	122	4.910	4.916	-0.006	92	95026	1.00	1.04	
34 Bis(2-chloroethoxy)methane	93	4.975	4.981	-0.006	98	124098	1.00	1.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.004	5.063	-0.059	89	35487	1.00	1.03	
36 2,4-Dichlorophenol	162	5.087	5.093	-0.006	96	82634	1.00	1.05	
37 1,2,4-Trichlorobenzene	180	5.146	5.151	-0.005	94	86979	1.00	1.06	
* 38 Naphthalene-d8	136	5.193	5.198	-0.005	99	2225248	8.00	8.00	
39 Naphthalene	128	5.216	5.216	0.000	99	322115	1.00	1.09	
40 4-Chloroaniline	127	5.287	5.287	0.000	97	130182	1.00	1.11	
41 Hexachlorobutadiene	225	5.345	5.351	-0.006	92	39315	1.00	1.03	
43 4-Chloro-3-methylphenol	107	5.787	5.787	0.000	97	78638	1.00	0.99	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	85	198387	1.00	1.07	
45 1-Methylnaphthalene	142	5.969	5.969	0.000	93	181220	1.00	1.05	
46 Hexachlorocyclopentadiene	237	6.034	6.040	-0.006	94	29757	1.00	0.9009	
47 1,2,4,5-Tetrachlorobenzene	216	6.040	6.045	-0.005	95	71079	1.00	1.16	
48 2-tertbutyl-4-methylphenol	149	6.098	6.104	-0.006	90	111429	1.00	1.02	
49 2,4,6-Trichlorophenol	196	6.163	6.169	-0.006	88	49936	1.00	1.09	
50 2,4,5-Trichlorophenol	196	6.210	6.210	0.000	94	49533	1.00	1.01	
$ 51 2-Fluorobiphenyl	172	6.228	6.234	-0.006	98	191749	1.00	1.01	
52 1,1'-Biphenyl	154	6.322	6.328	-0.006	96	223317	1.00	1.13	
53 2-Chloronaphthalene	162	6.334	6.340	-0.006	96	168655	1.00	1.11	
54 Phenyl ether	170	6.422	6.428	-0.006	86	116523	1.00	1.14	
55 2-Nitroaniline	65	6.445	6.451	-0.006	97	51822	1.00	0.9879	M
57 1,3-Dimethylnaphthalene	156	6.545	6.551	-0.006	92	127771	1.00	1.04	
59 Dimethyl phthalate	163	6.622	6.634	-0.012	98	181298	1.00	1.10	
60 Coumarin	146	6.628	6.640	-0.012	80	66190	1.00	1.08	
61 2,6-Dinitrotoluene	165	6.675	6.681	-0.006	94	38019	1.00	1.01	
62 Acenaphthylene	152	6.722	6.728	-0.006	98	257295	1.00	1.05	
63 3-Nitroaniline	138	6.840	6.845	-0.005	97	48081	1.00	1.01	a
* 64 Acenaphthene-d10	164	6.857	6.863	-0.006	95	968167	8.00	8.00	
66 Acenaphthene	154	6.887	6.892	-0.005	94	160257	1.00	1.17	
65 3,5-di-tert-butyl-4-hydrox	205	6.898	6.904	-0.006	98	125879	1.00	1.18	
67 2,4-Dinitrophenol	184	6.940	6.940	0.000	92	27611	2.00	2.01	
70 Dibenzofuran	168	7.051	7.057	-0.006	97	227883	1.00	1.18	
68 4-Nitrophenol	65	7.057	7.063	-0.006	91	71341	2.00	2.15	
69 2,4-Dinitrotoluene	165	7.051	7.063	-0.012	77	49296	1.00	1.11	
72 2,3,4,6-Tetrachlorophenol	232	7.187	7.192	-0.005	87	34063	1.00	1.00	
73 Diethyl phthalate	149	7.287	7.298	-0.011	98	179908	1.00	1.03	
75 Fluorene	166	7.369	7.375	-0.006	95	176650	1.00	1.14	
74 4-Chlorophenyl phenyl ethe	204	7.381	7.387	-0.006	85	76343	1.00	1.17	
76 4-Nitroaniline	138	7.410	7.428	-0.018	88	50131	1.00	1.04	
77 4,6-Dinitro-2-methylphenol	198	7.439	7.451	-0.012	81	41690	2.00	1.75	
78 N-Nitrosodiphenylamine	169	7.498	7.504	-0.006	73	128302	1.00	1.10	
79 1,2-Diphenylhydrazine	77	7.528	7.534	-0.006	99	196713	1.00	1.10	
$ 80 2,4,6-Tribromophenol	330	7.604	7.610	-0.006	91	18936	1.00	0.9762	
81 4-Bromophenyl phenyl ether	248	7.839	7.839	0.000	83	39584	1.00	1.10	
82 Hexachlorobenzene	284	7.892	7.898	-0.006	99	41293	1.00	1.09	
84 Pentachlorophenol	266	8.092	8.098	-0.006	88	37257	2.00	1.89	
85 Pentachloronitrobenzene	237	8.098	8.104	-0.006	81	15471	1.00	1.03	
86 n-Octadecane	57	8.186	8.186	0.000	91	103871	1.00	1.09	
* 87 Phenanthrene-d10	188	8.251	8.251	0.000	99	1454180	8.00	8.00	
88 Phenanthrene	178	8.269	8.275	-0.006	98	239761	1.00	1.12	
89 Anthracene	178	8.316	8.322	-0.006	98	241053	1.00	1.10	
90 Carbazole	167	8.481	8.486	-0.005	96	230141	1.00	1.11	
91 Di-n-butyl phthalate	149	8.828	8.833	-0.005	99	263052	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.386	9.386	0.000	97	224291	1.00	1.12	
93 Benzidine	184	9.528	9.533	-0.005	99	123531	1.00	1.07	
94 Pyrene	202	9.592	9.598	-0.006	97	226429	1.00	1.09	
95 Bisphenol-A	213	9.710	9.692	0.018	96	87483	1.00	0.9606	M
$ 96 Terphenyl-d14	244	9.757	9.763	-0.006	99	133177	1.00	1.03	
97 Butyl benzyl phthalate	149	10.233	10.239	-0.006	97	102404	1.00	1.02	
99 Carbamazepine	193	10.328	10.339	-0.011	92	69196	1.00	0.8767	
100 3,3'-Dichlorobenzidine	252	10.757	10.763	-0.006	98	63767	1.00	1.15	
101 Benzo[a]anthracene	228	10.763	10.769	-0.006	99	171995	1.00	1.10	
* 102 Chrysene-d12	240	10.775	10.786	-0.011	99	958144	8.00	8.00	
104 Chrysene	228	10.804	10.810	-0.006	98	168724	1.00	1.09	
103 Bis(2-ethylhexyl) phthalat	149	10.845	10.851	-0.006	87	127723	1.00	1.00	
105 Di-n-octyl phthalate	149	11.592	11.592	0.000	96	205051	1.00	0.9413	
106 Benzo[b]fluoranthene	252	11.992	12.004	-0.012	98	150207	1.00	0.99	
107 Benzo[k]fluoranthene	252	12.027	12.039	-0.012	99	173700	1.00	1.06	
108 Benzo[a]pyrene	252	12.398	12.410	-0.012	95	145932	1.00	1.01	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1013186	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.880	13.892	-0.012	99	147410	1.00	0.9500	
111 Dibenz(a,h)anthracene	278	13.916	13.933	-0.017	96	146772	1.00	0.99	
112 Benzo[g,h,i]perylene	276	14.227	14.245	-0.018	95	155356	1.00	0.9441	
S 119 Total Cresols	1				0			2.02	

QC Flag Legend

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

Reagents:

SM_BNAL3_00038 Amount Added: 1.00 Units: mL

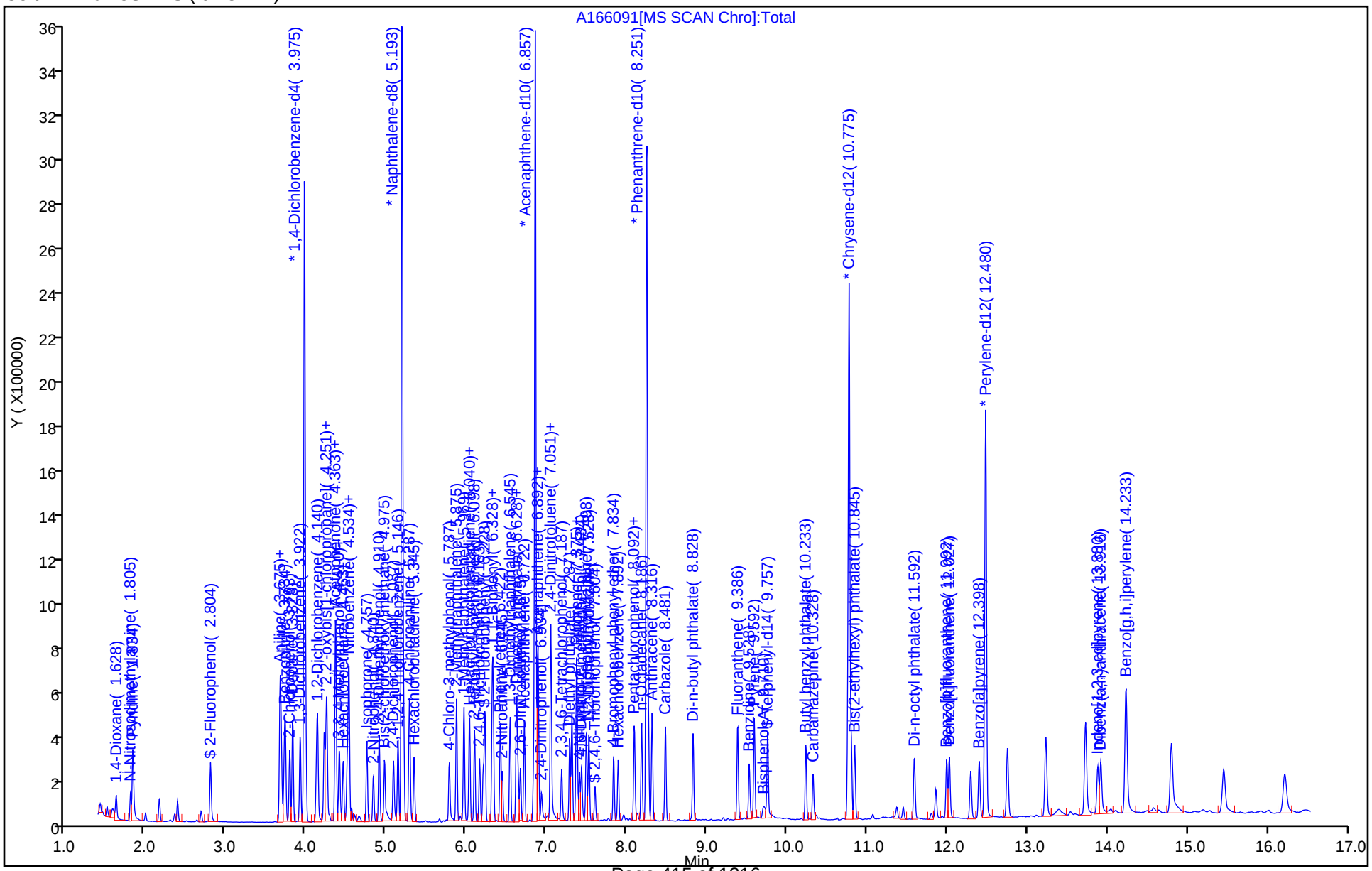
Report Date: 22-Nov-2019 17:37:53 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166091.D

Injection Date:	22-Nov-2019 12:04:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

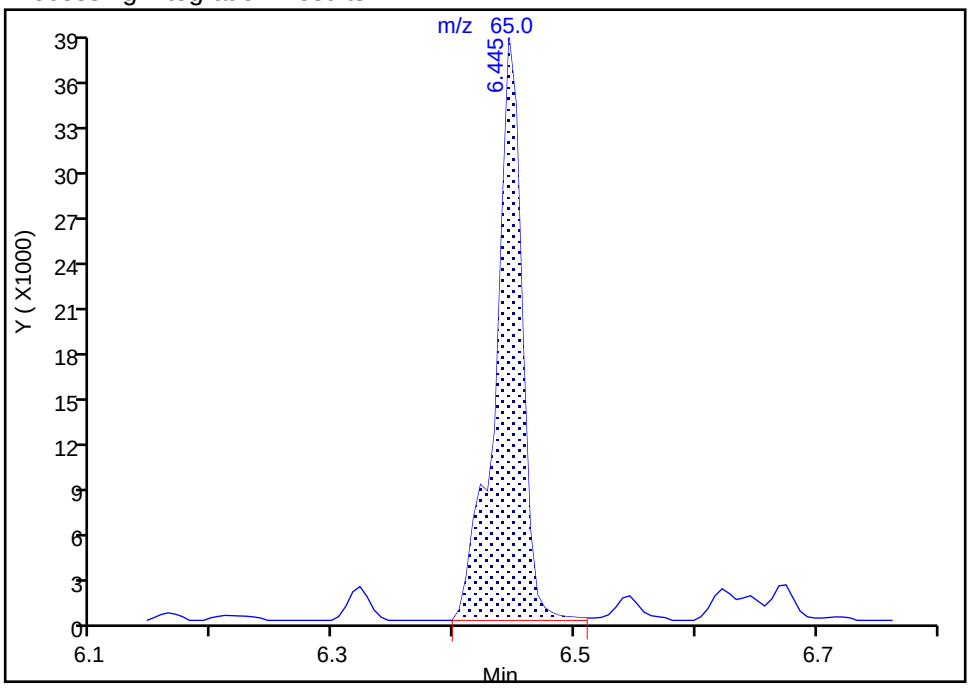
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166091.D				
Injection Date:	22-Nov-2019 12:04:30	Instrument ID:	CBNAMS16		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

55 2-Nitroaniline, CAS: 88-74-4

Signal: 1

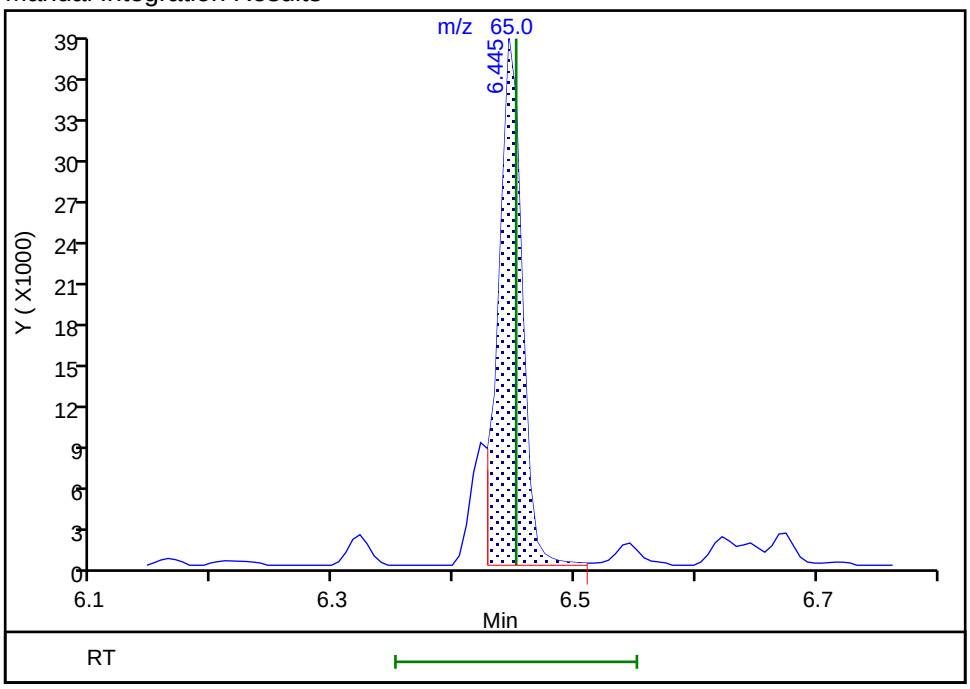
Processing Integration Results

RT: 6.45
Area: 58605
Amount: 1.093598
Amount Units: ug/ml



Manual Integration Results

RT: 6.45
Area: 51822
Amount: 0.987864
Amount Units: ug/ml



Reviewer: xuyvo, 22-Nov-2019 17:36:02

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

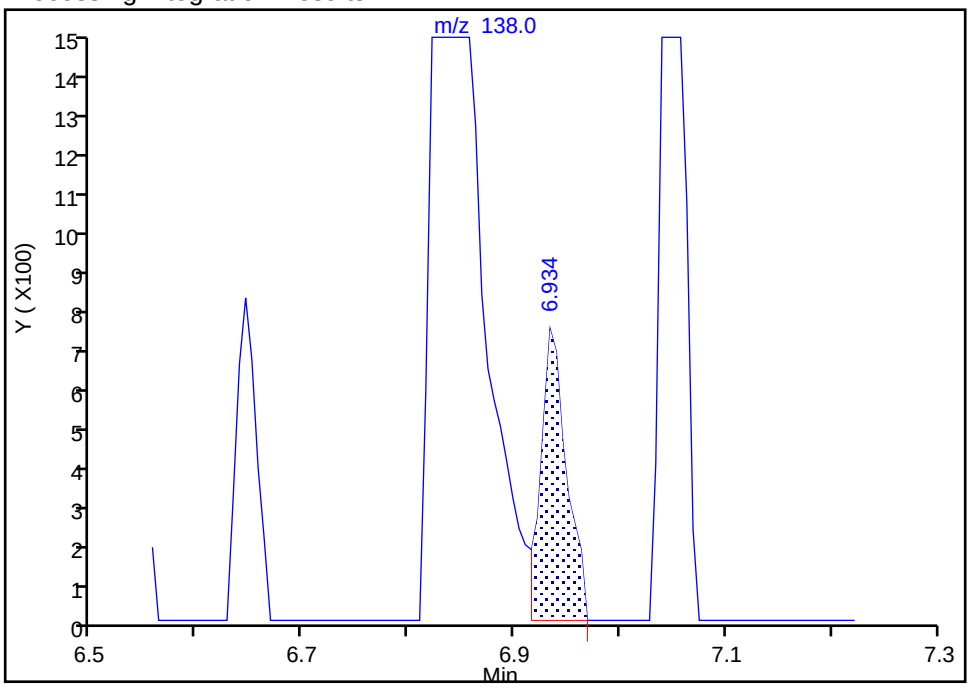
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166091.D
Injection Date: 22-Nov-2019 12:04:30 Instrument ID: CBNAMS16
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

63 3-Nitroaniline, CAS: 99-09-2

Signal: 1

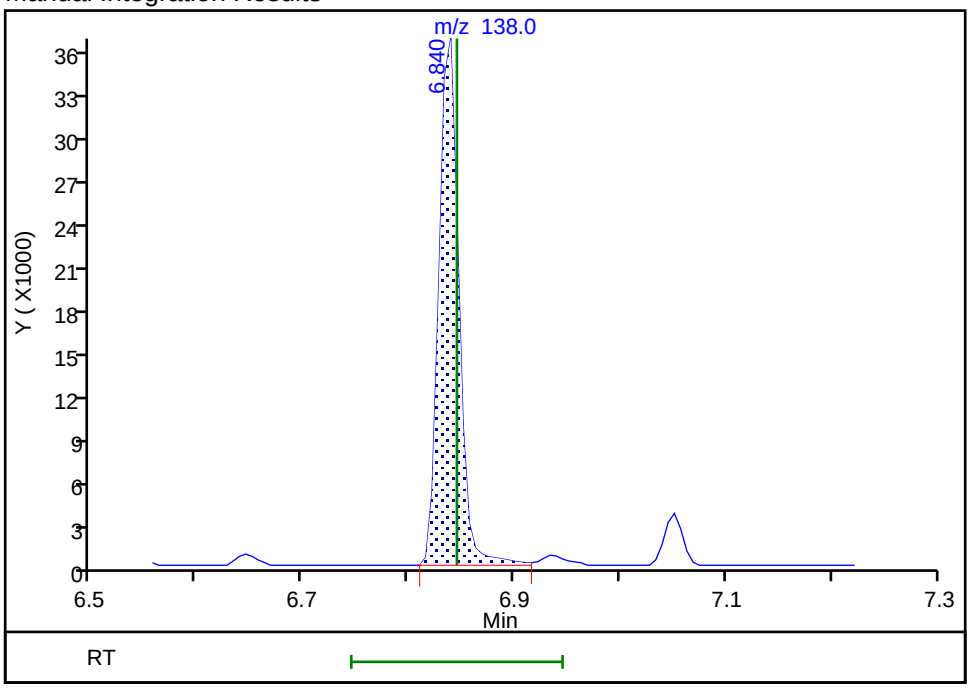
Processing Integration Results

RT: 6.93
Area: 1195
Amount: 0.123196
Amount Units: ug/ml



Manual Integration Results

RT: 6.84
Area: 48081
Amount: 1.005759
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 13:03:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

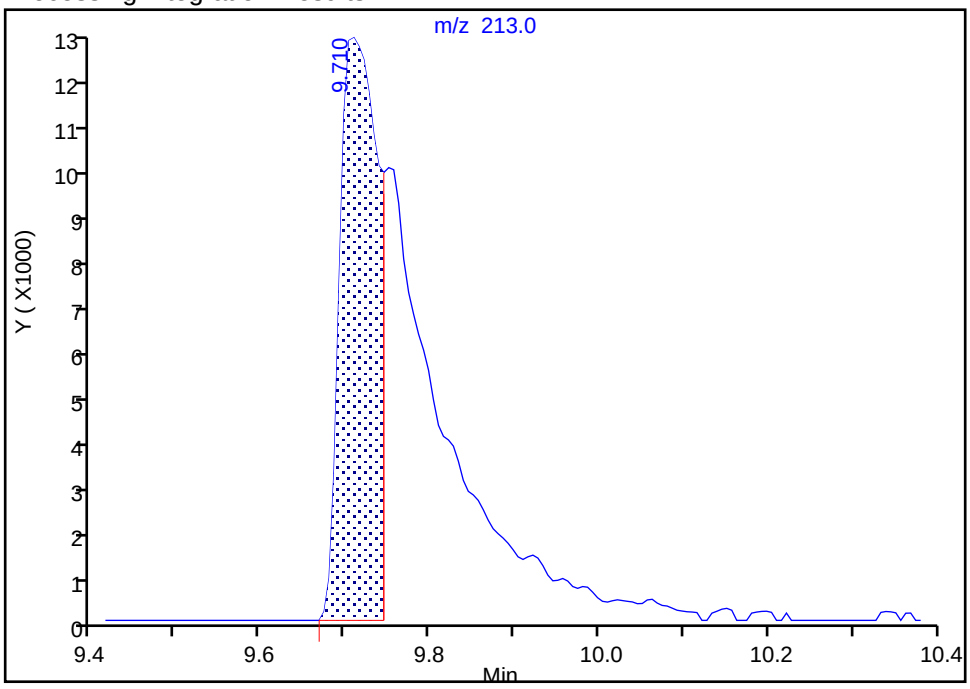
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166091.D		
Injection Date:	22-Nov-2019 12:04:30	Instrument ID:	CBNAMS16
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

95 Bisphenol-A, CAS: 80-05-7

Signal: 1

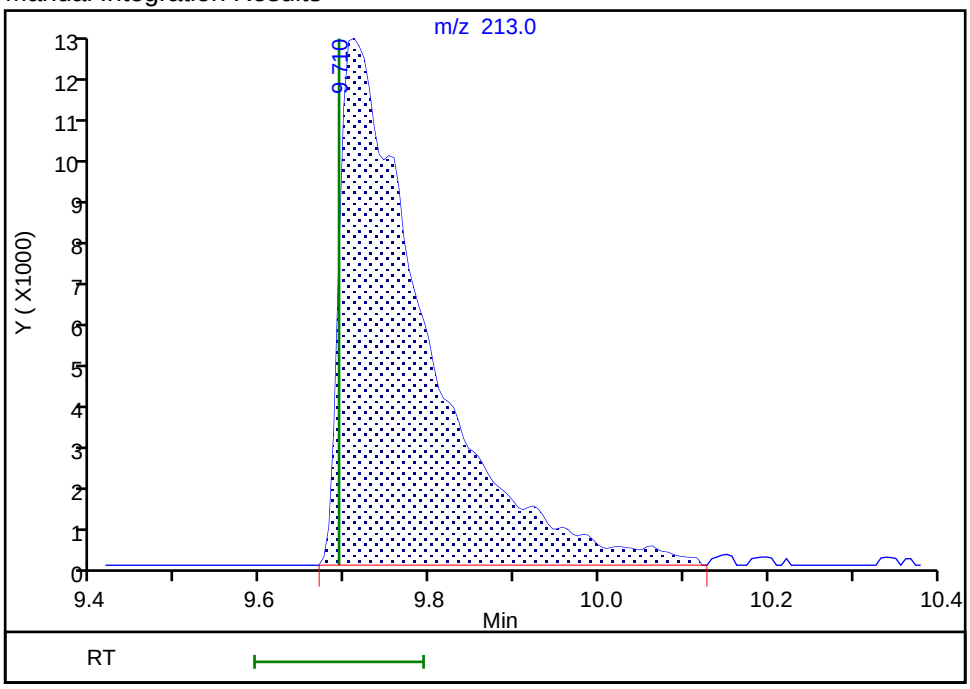
Processing Integration Results

RT: 9.71
Area: 39357
Amount: 0.929064
Amount Units: ug/ml



Manual Integration Results

RT: 9.71
Area: 87483
Amount: 0.960561
Amount Units: ug/ml



Reviewer: xuyvo, 22-Nov-2019 17:13:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166092.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Nov-2019 12:25:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-008
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:37:59 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 13:05:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.810	2.804	0.006	96	25628	0.2000	0.2199	
$ 6 Phenol-d5	99	3.681	3.681	0.000	0	31871	0.2000	0.2330	
9 Bis(2-chloroethyl)ether	93	3.728	3.728	0.000	96	26311	0.2000	0.2230	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.981	0.000	97	606239	8.00	8.00	
20 N-Methylaniline	106	4.363	4.369	-0.006	96	34032	0.2000	0.2589	
22 N-Nitrosodi-n-propylamine	70	4.375	4.381	-0.006	92	16191	0.2000	0.2132	
25 Hexachloroethane	117	4.463	4.463	0.000	93	9210	0.2000	0.2100	
$ 27 Nitrobenzene-d5	82	4.516	4.516	0.000	87	26137	0.2000	0.2278	
28 Nitrobenzene	123	4.534	4.534	0.000	90	10679	0.2000	0.1997	
29 n,n'-Dimethylaniline	120	4.534	4.540	-0.006	84	35911	0.2000	0.2216	
30 Isophorone	82	4.757	4.763	-0.006	99	42293	0.2000	0.2060	
37 1,2,4-Trichlorobenzene	180	5.145	5.151	-0.006	95	18150	0.2000	0.2116	
* 38 Naphthalene-d8	136	5.193	5.198	-0.005	99	2333057	8.00	8.00	
41 Hexachlorobutadiene	225	5.345	5.351	-0.006	92	8717	0.2000	0.2172	
44 2-Methylnaphthalene	142	5.875	5.881	-0.006	85	42868	0.2000	0.2197	
45 1-Methylnaphthalene	142	5.969	5.969	0.000	93	40069	0.2000	0.2219	
48 2-tertbutyl-4-methylphenol	149	6.104	6.104	0.000	89	24170	0.2000	0.2104	
49 2,4,6-Trichlorophenol	196	6.169	6.169	0.000	86	9582	0.2000	0.1990	
$ 51 2-Fluorobiphenyl	172	6.234	6.234	0.000	98	47280	0.2000	0.2369	
61 2,6-Dinitrotoluene	165	6.675	6.681	-0.006	92	6495	0.2000	0.1634	
* 64 Acenaphthene-d10	164	6.857	6.863	-0.006	95	1019058	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.057	7.063	-0.006	86	7815	0.2000	0.1668	
$ 80 2,4,6-Tribromophenol	330	7.604	7.610	-0.006	89	4366	0.2000	0.2138	
82 Hexachlorobenzene	284	7.892	7.898	-0.006	97	8967	0.2000	0.2265	
* 87 Phenanthrene-d10	188	8.251	8.251	0.000	99	1522208	8.00	8.00	
$ 96 Terphenyl-d14	244	9.757	9.763	-0.006	99	30697	0.2000	0.2172	
100 3,3'-Dichlorobenzidine	252	10.763	10.763	0.000	94	11450	0.2000	0.1881	
101 Benzo[a]anthracene	228	10.763	10.769	-0.006	99	36814	0.2000	0.2149	
* 102 Chrysene-d12	240	10.775	10.786	-0.011	99	1050351	8.00	8.00	
104 Chrysene	228	10.804	10.810	-0.006	98	36515	0.2000	0.2156	
103 Bis(2-ethylhexyl) phthalat	149	10.845	10.851	-0.006	88	26148	0.2000	0.1871	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Benzo[b]fluoranthene	252	11.992	12.004	-0.012	98	30055	0.2000	0.1955	
107 Benzo[k]fluoranthene	252	12.027	12.039	-0.012	98	34465	0.2000	0.2074	
108 Benzo[a]pyrene	252	12.398	12.410	-0.012	96	28909	0.2000	0.1967	
* 109 Perylene-d12	264	12.480	12.480	0.000	98	1031405	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.880	13.892	-0.012	98	28717	0.2000	0.1818	M
111 Dibenz(a,h)anthracene	278	13.921	13.933	-0.012	96	29200	0.2000	0.1938	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL2_00033 Amount Added: 1.00 Units: mL

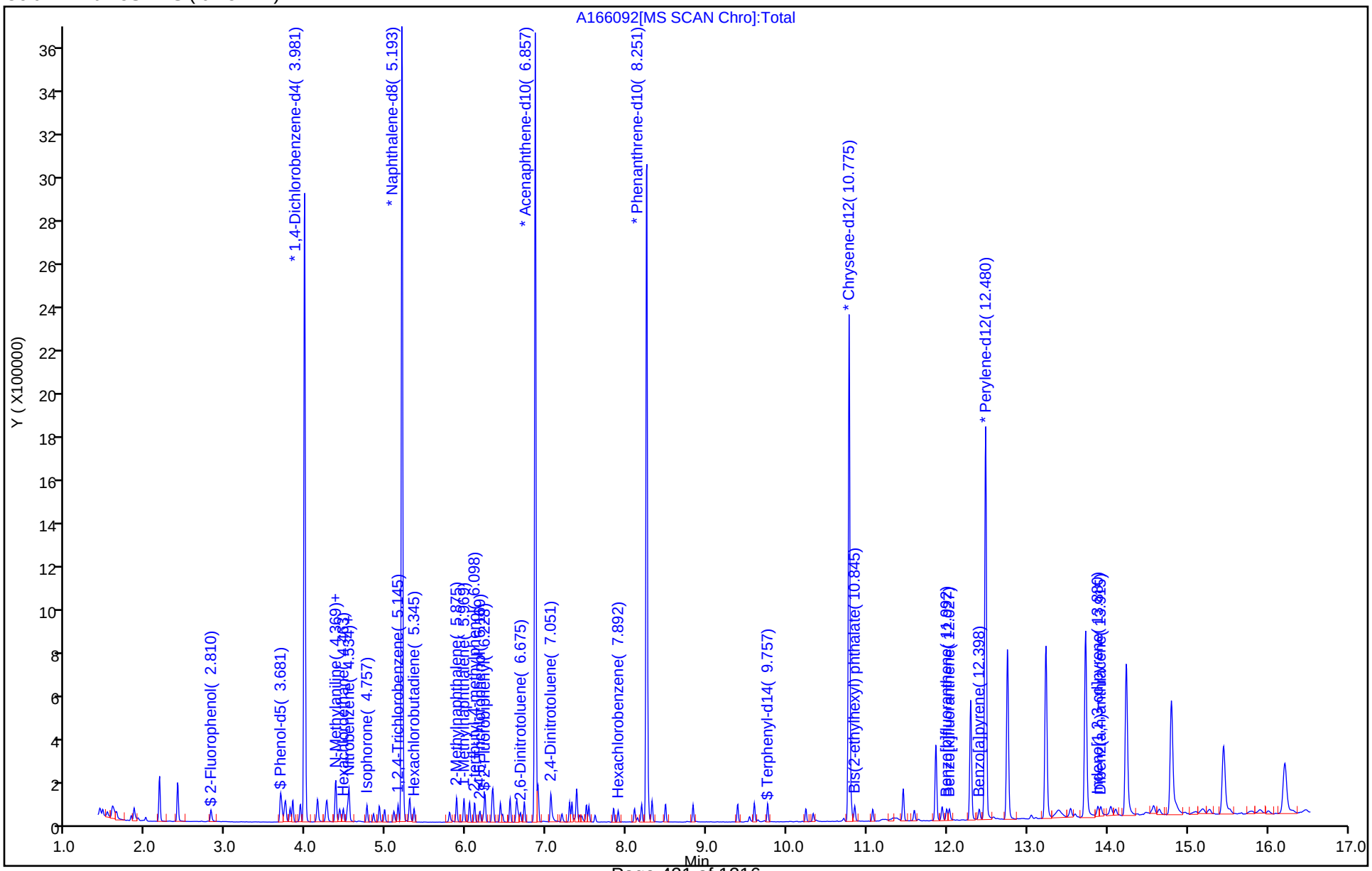
Report Date: 22-Nov-2019 17:38:00 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166092.D

Injection Date:	22-Nov-2019 12:25:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

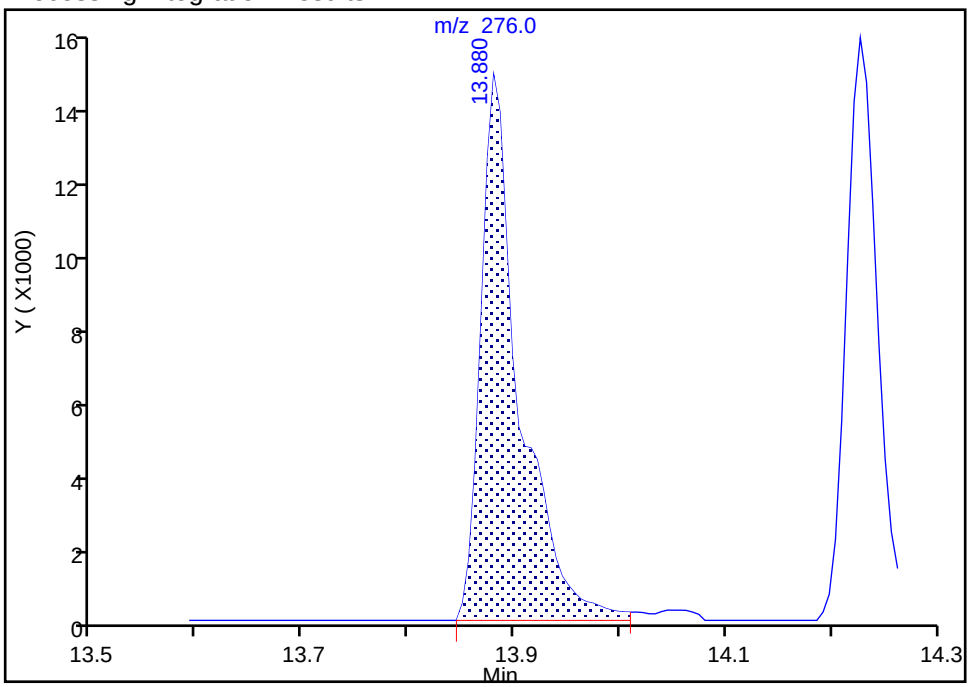
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166092.D				
Injection Date:	22-Nov-2019 12:25:30	Instrument ID:	CBNAMS16		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

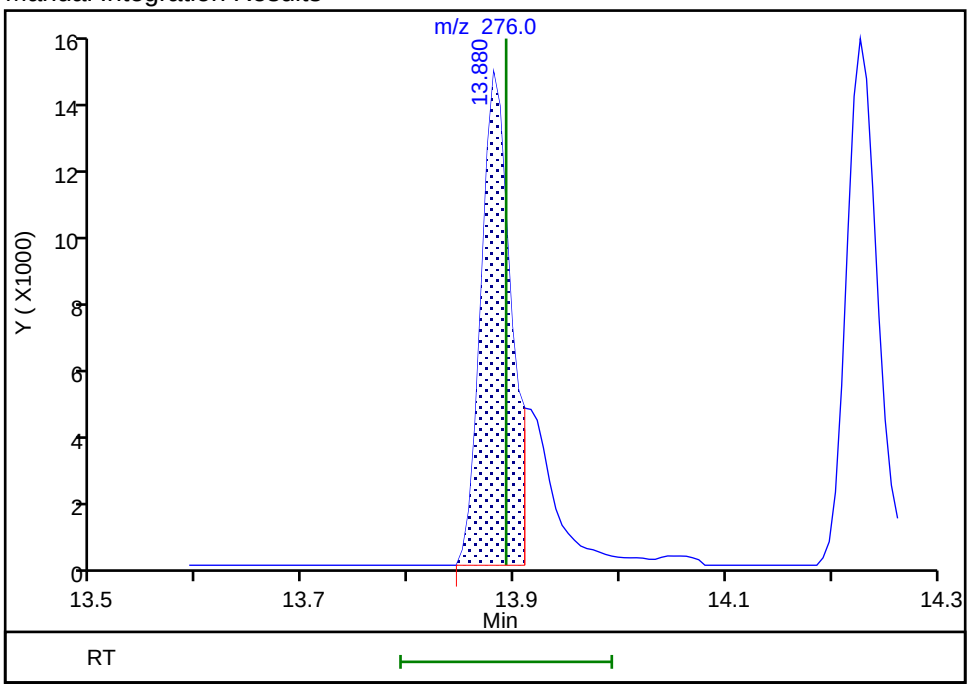
Processing Integration Results

RT: 13.88
Area: 36605
Amount: 0.221503
Amount Units: ug/ml



Manual Integration Results

RT: 13.88
Area: 28717
Amount: 0.181799
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 13:04:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

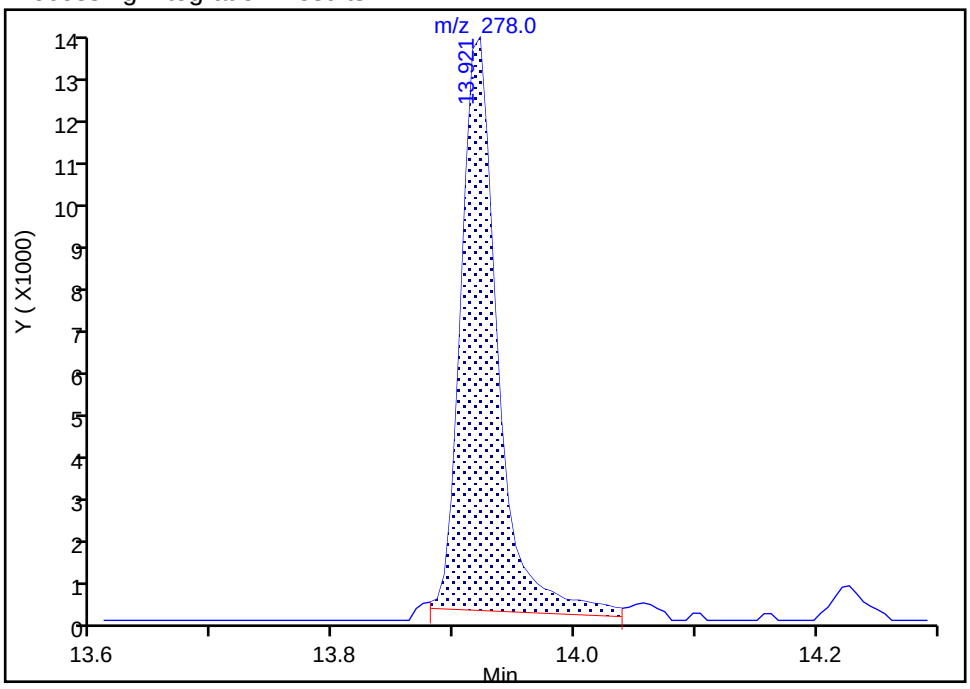
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166092.D				
Injection Date:	22-Nov-2019 12:25:30	Instrument ID:	CBNAMS16		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

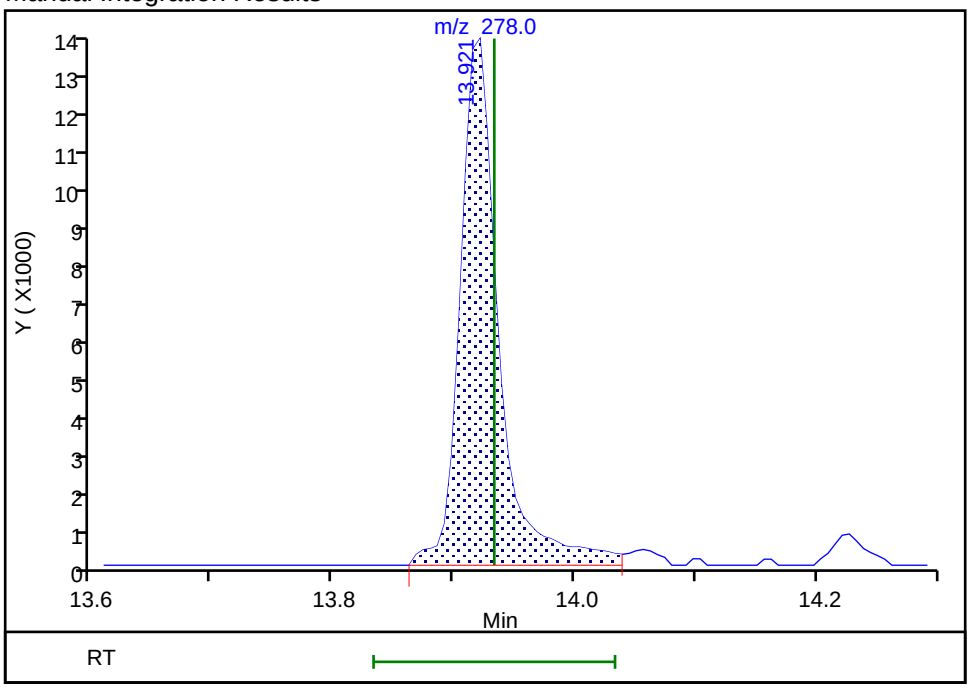
Processing Integration Results

RT: 13.92
Area: 27224
Amount: 0.182225
Amount Units: ug/ml



Manual Integration Results

RT: 13.92
Area: 29200
Amount: 0.193849
Amount Units: ug/ml



Reviewer: xuyvo, 22-Nov-2019 17:11:43

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166093.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Nov-2019 12:46:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: test
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:03 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 13:14:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.728	3.728	0.000	97	12201	0.1000	0.1133	
* 14 1,4-Dichlorobenzene-d4	152	3.975	3.981	-0.006	97	553110	8.00	8.00	
20 N-Methylaniline	106	4.363	4.369	-0.006	96	8494	0.1000	0.1192	
22 N-Nitrosodi-n-propylamine	70	4.375	4.381	-0.006	88	6992	0.1000	0.1009	
25 Hexachloroethane	117	4.463	4.463	0.000	90	4223	0.1000	0.1056	
$ 27 Nitrobenzene-d5	82	4.516	4.516	0.000	88	11036	0.1000	0.1040	
28 Nitrobenzene	123	4.534	4.534	0.000	92	4912	0.1000	0.1007	
29 n,n'-Dimethylaniline	120	4.534	4.540	-0.006	87	16889	0.1000	0.1142	
37 1,2,4-Trichlorobenzene	180	5.145	5.151	-0.006	93	8657	0.1000	0.1091	
* 38 Naphthalene-d8	136	5.192	5.198	-0.006	99	2158256	8.00	8.00	
41 Hexachlorobutadiene	225	5.345	5.351	-0.006	89	4119	0.1000	0.1110	
$ 51 2-Fluorobiphenyl	172	6.234	6.234	0.000	97	21077	0.1000	0.1213	
* 64 Acenaphthene-d10	164	6.857	6.863	-0.006	97	887472	8.00	8.00	
82 Hexachlorobenzene	284	7.892	7.898	-0.006	93	3983	0.1000	0.1051	
* 87 Phenanthrene-d10	188	8.245	8.251	-0.006	99	1458105	8.00	8.00	
$ 96 Terphenyl-d14	244	9.757	9.763	-0.006	97	18822	0.1000	0.1381	
101 Benzo[a]anthracene	228	10.763	10.769	-0.006	98	17786	0.1000	0.1076	
* 102 Chrysene-d12	240	10.774	10.786	-0.012	99	1013467	8.00	8.00	
106 Benzo[b]fluoranthene	252	11.992	12.004	-0.012	94	14657	0.1000	0.0985	
107 Benzo[k]fluoranthene	252	12.027	12.039	-0.012	97	17739	0.1000	0.1102	
108 Benzo[a]pyrene	252	12.398	12.410	-0.012	95	14363	0.1000	0.1009	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	998775	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.880	13.892	-0.012	96	14169	0.1000	0.0926	M
111 Dibenz(a,h)anthracene	278	13.921	13.933	-0.012	94	14414	0.1000	0.0988	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL1_00031 Amount Added: 1.00 Units: mL

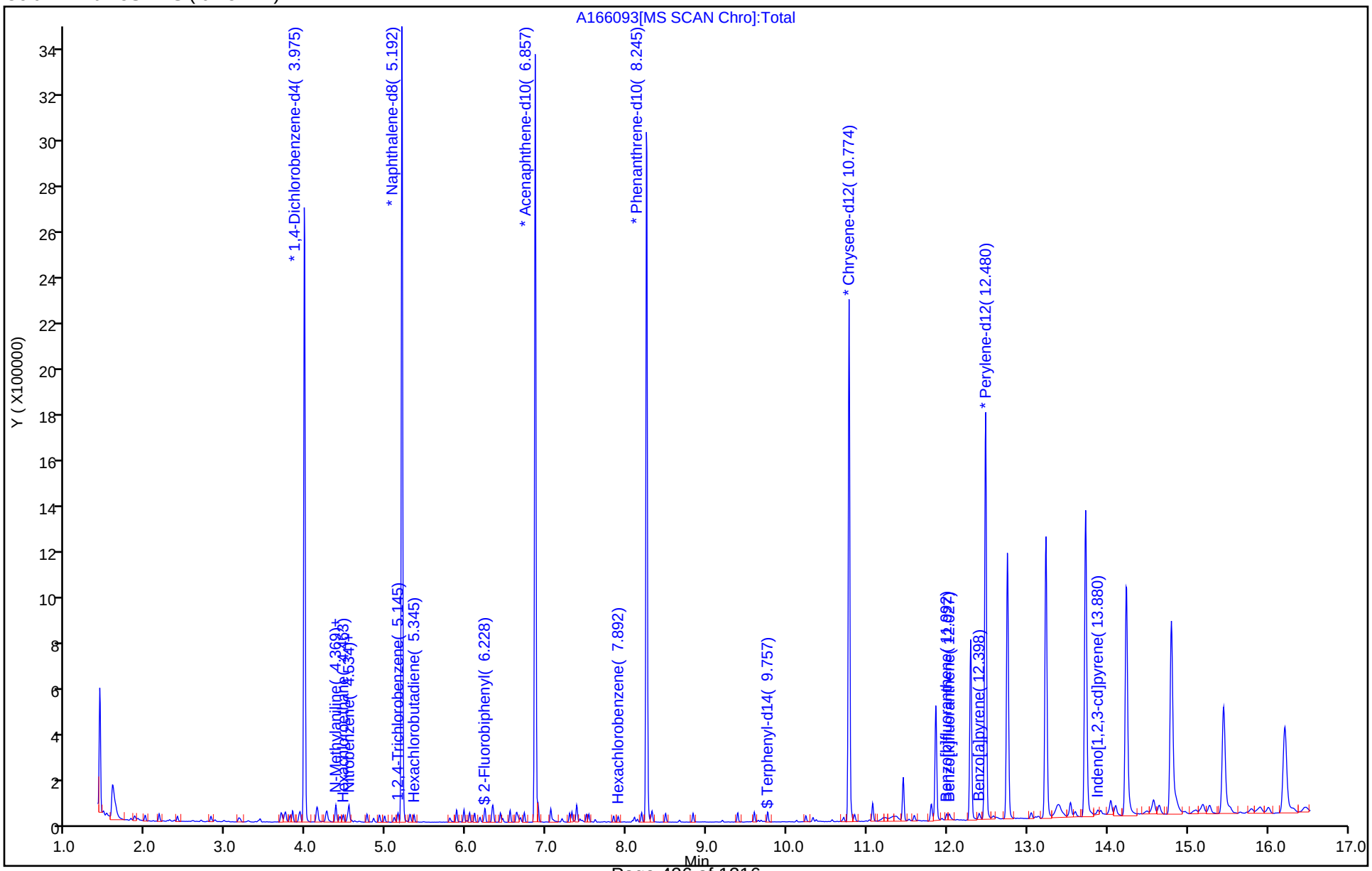
Report Date: 22-Nov-2019 17:38:05 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166093.D

Injection Date:	22-Nov-2019 12:46:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

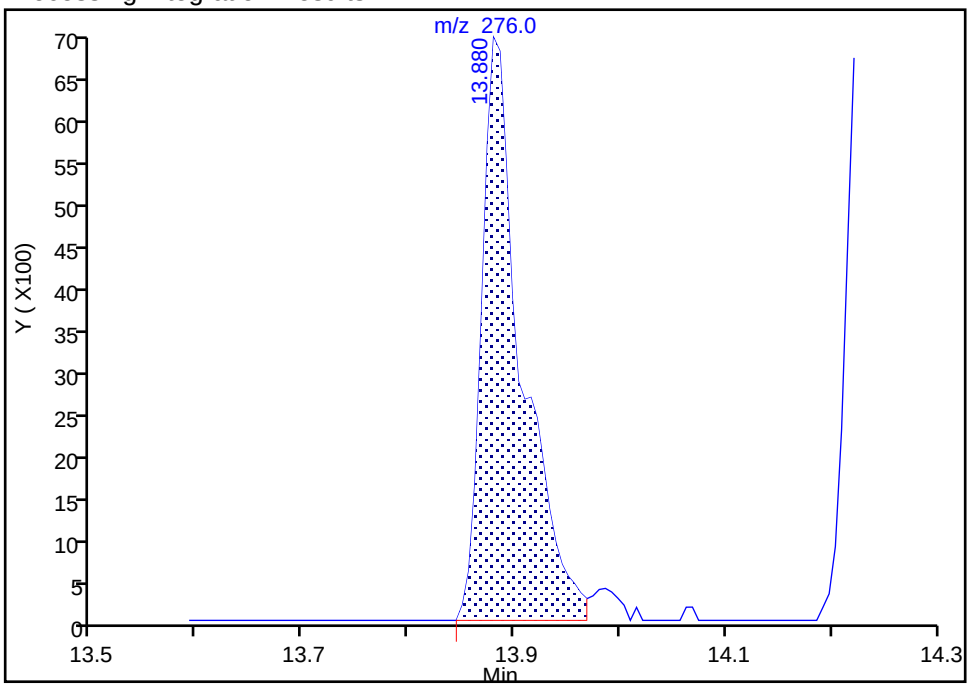
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166093.D				
Injection Date:	22-Nov-2019 12:46:30	Instrument ID:	CBNAMS16		
Lims ID:	STD01				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

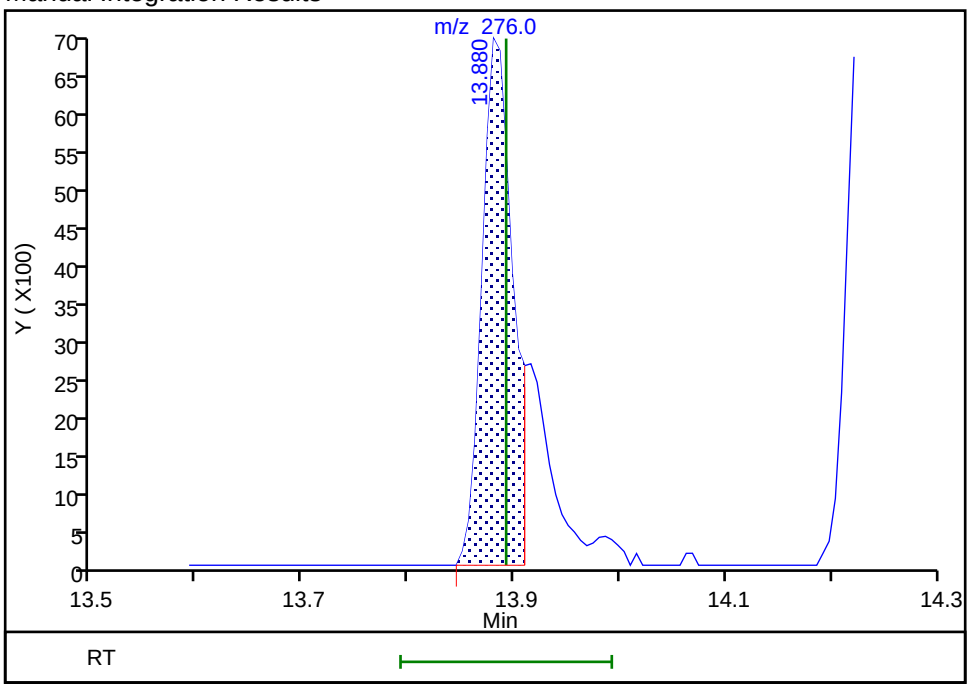
Processing Integration Results

RT: 13.88
Area: 18196
Amount: 0.115167
Amount Units: ug/ml



Manual Integration Results

RT: 13.88
Area: 14169
Amount: 0.092630
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 13:13:51

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 13:28 Calibration End Date: 11/22/2019 15:33 Calibration ID: 77571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-657425/17	A166101.D
Level 2	STD1 460-657425/16	A166100.D
Level 3	STD2 460-657425/15	A166099.D
Level 4	STD4 460-657425/14	A166098.D
Level 5	STD10 460-657425/11	A166095.D
Level 6	STD16 460-657425/13	A166097.D
Level 7	STD24 460-657425/12	A166096.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								
Benzaldehyde	1.3715 1.2578	1.3758 1.1749	1.3805	1.4030	1.3481	Ave		1.3302			0.0100	6.2		20.0			
Caprolactam	0.0817 0.1003	0.0918 0.1036	0.0933	0.1004	0.1050	Ave		0.0966			0.0100	8.5		20.0			
Atrazine	0.1814 0.1933	0.1969 0.1881	0.2036	0.2094	0.2163	Ave		0.1984			0.0100	6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 657425

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2019 13:28 Calibration End Date: 11/22/2019 15:33 Calibration ID: 77571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-657425/17	A166101.D
Level 2	STD1 460-657425/16	A166100.D
Level 3	STD2 460-657425/15	A166099.D
Level 4	STD4 460-657425/14	A166098.D
Level 5	STD10 460-657425/11	A166095.D
Level 6	STD16 460-657425/13	A166097.D
Level 7	STD24 460-657425/12	A166096.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzaldehyde	DCBd 4	Ave	21225 1447841	104966 2141013	200910	429555	994862	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Caprolactam	NPT	Ave	4830 452088	26847 715127	51583	117775	291144	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Atrazine	PHN	Ave	7302 590658	39334 896327	77635	165577	395747	0.200 16.0	1.00 24.0	2.00	4.00	10.0

Curve Type Legend:
Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166095.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Nov-2019 13:28:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-011
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:13 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 14:01:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.557	3.557	0.000	95	994862	10.0	10.1	
* 14 1,4-Dichlorobenzene-d4	152	3.975	3.975	0.000	97	590400	8.00	8.00	
* 38 Naphthalene-d8	136	5.193	5.193	0.000	99	2219132	8.00	8.00	
42 Caprolactam	113	5.593	5.593	0.000	93	291144	10.0	10.9	a
* 64 Acenaphthene-d10	164	6.857	6.857	0.000	95	960939	8.00	8.00	
83 Atrazine	200	8.016	8.016	0.000	90	395747	10.0	10.9	a
* 87 Phenanthrene-d10	188	8.245	8.245	0.000	99	1463910	8.00	8.00	
* 102 Chrysene-d12	240	10.775	10.775	0.000	98	946663	8.00	8.00	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1024094	8.00	8.00	

QC Flag Legend

Review Flags
a - User Assigned ID

Reagents:

SM_BNAL5B_00042 Amount Added: 1.00 Units: mL

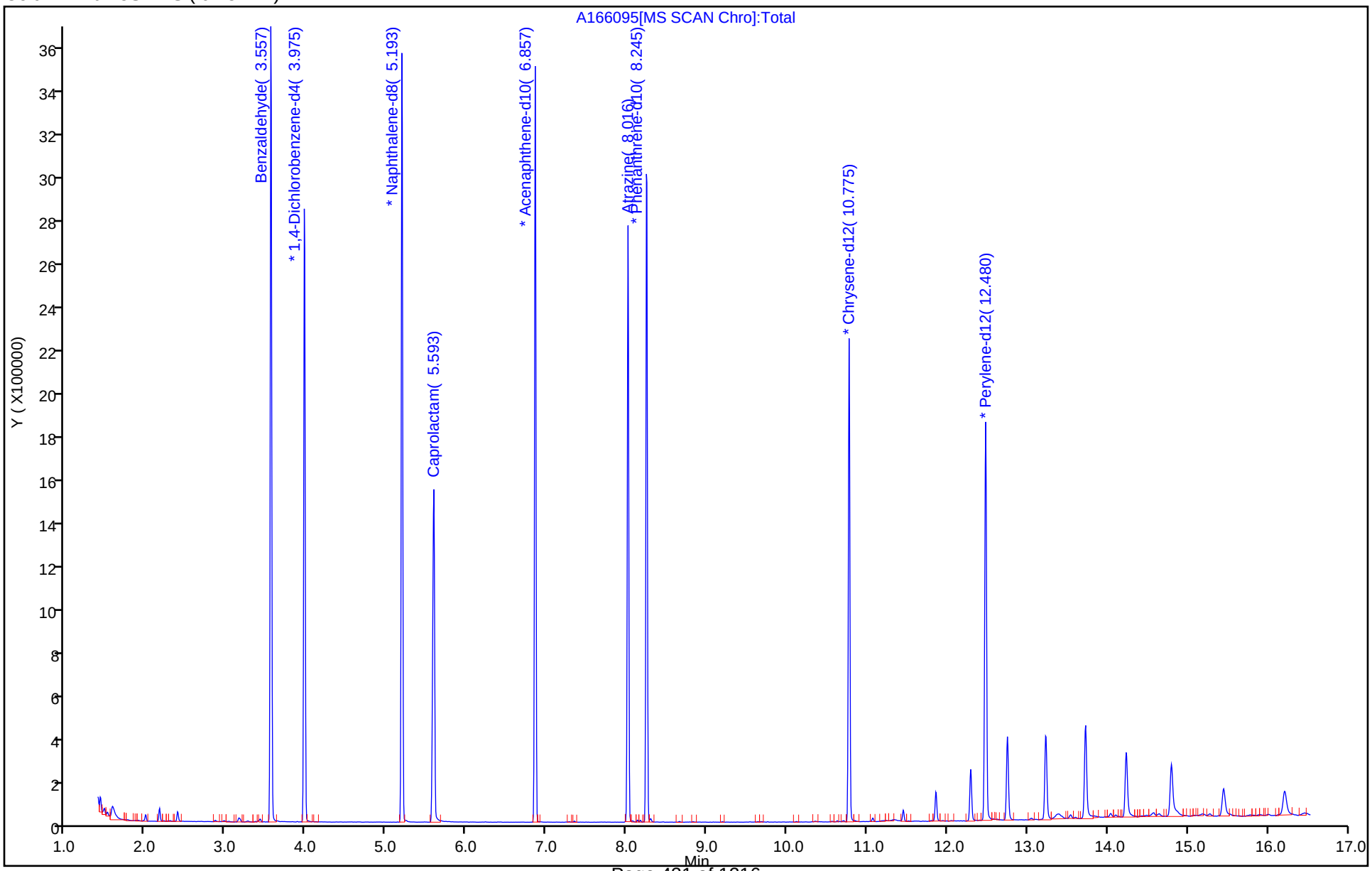
Report Date: 22-Nov-2019 17:38:14 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166095.D

Injection Date:	22-Nov-2019 13:28:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std10			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

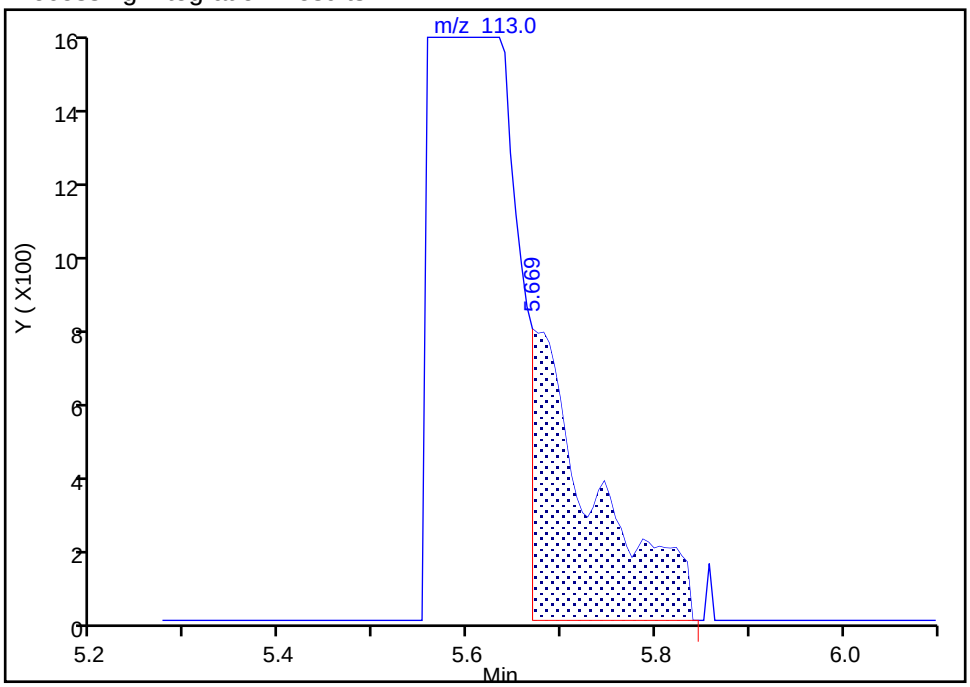
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166095.D
Injection Date: 22-Nov-2019 13:28:30 Instrument ID: CBNAMS16
Lims ID: std10
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

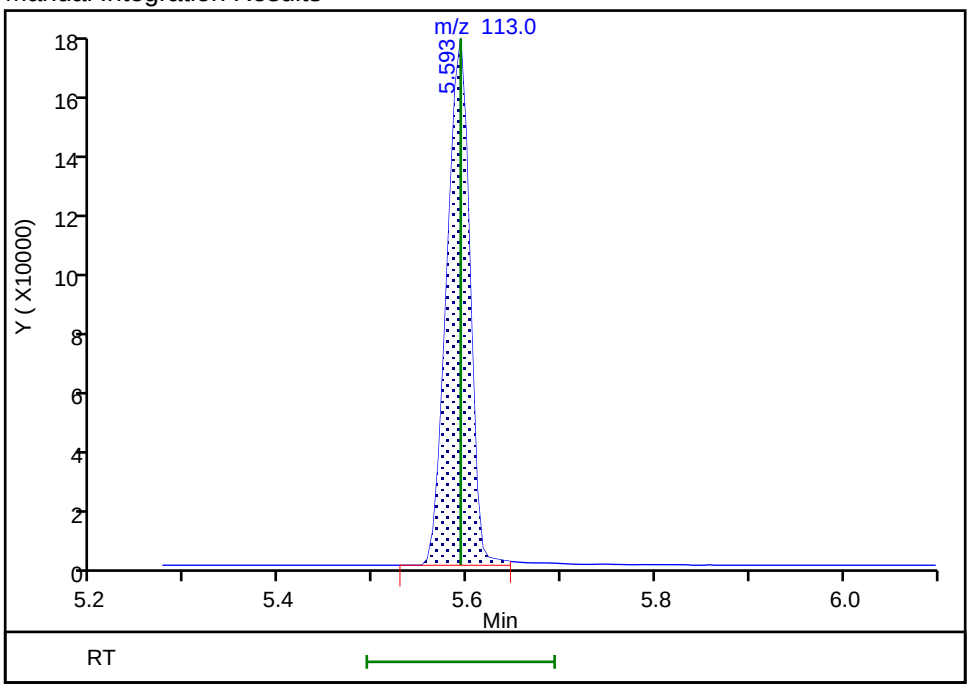
Processing Integration Results

RT: 5.67
Area: 3569
Amount: 10.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.59
Area: 291144
Amount: 10.866019
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 14:01:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

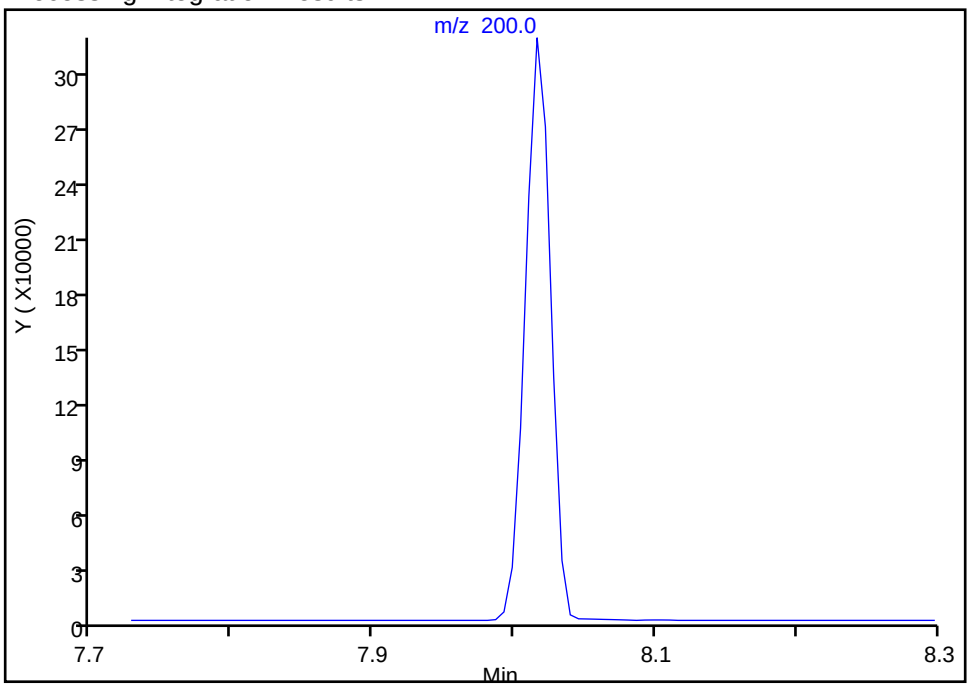
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166095.D				
Injection Date:	22-Nov-2019 13:28:30	Instrument ID:	CBNAMS16		
Lims ID:	std10				
Client ID:					
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

83 Atrazine, CAS: 1912-24-9

Signal: 1

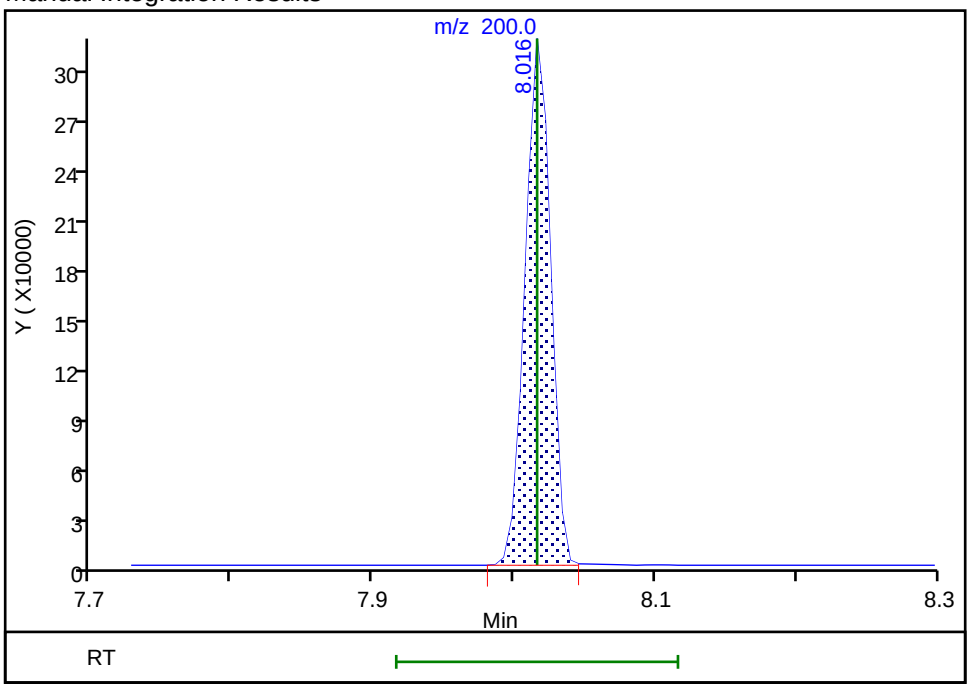
Not Detected
Expected RT: 8.02

Processing Integration Results



Manual Integration Results

RT: 8.02
Area: 395747
Amount: 10.899491
Amount Units: ug/ml



Reviewer: johnstonm1, 22-Nov-2019 14:01:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166096.D
Lims ID: std24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Nov-2019 13:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-012
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:15 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 14:22:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.563	3.557	0.006	95	2141013	24.0	21.2	
* 14 1,4-Dichlorobenzene-d4	152	3.975	3.975	0.000	97	607414	8.00	8.00	
* 38 Naphthalene-d8	136	5.193	5.193	0.000	99	2300626	8.00	8.00	
42 Caprolactam	113	5.610	5.593	0.017	93	715127	24.0	25.7	
* 64 Acenaphthene-d10	164	6.857	6.857	0.000	95	1016744	8.00	8.00	
83 Atrazine	200	8.022	8.016	0.006	90	896327	24.0	22.8	
* 87 Phenanthrene-d10	188	8.251	8.245	0.006	99	1588269	8.00	8.00	
* 102 Chrysene-d12	240	10.775	10.775	0.000	99	1088739	8.00	8.00	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1055206	8.00	8.00	

Reagents:

SM_BNAL7B_00015 Amount Added: 1.00 Units: mL

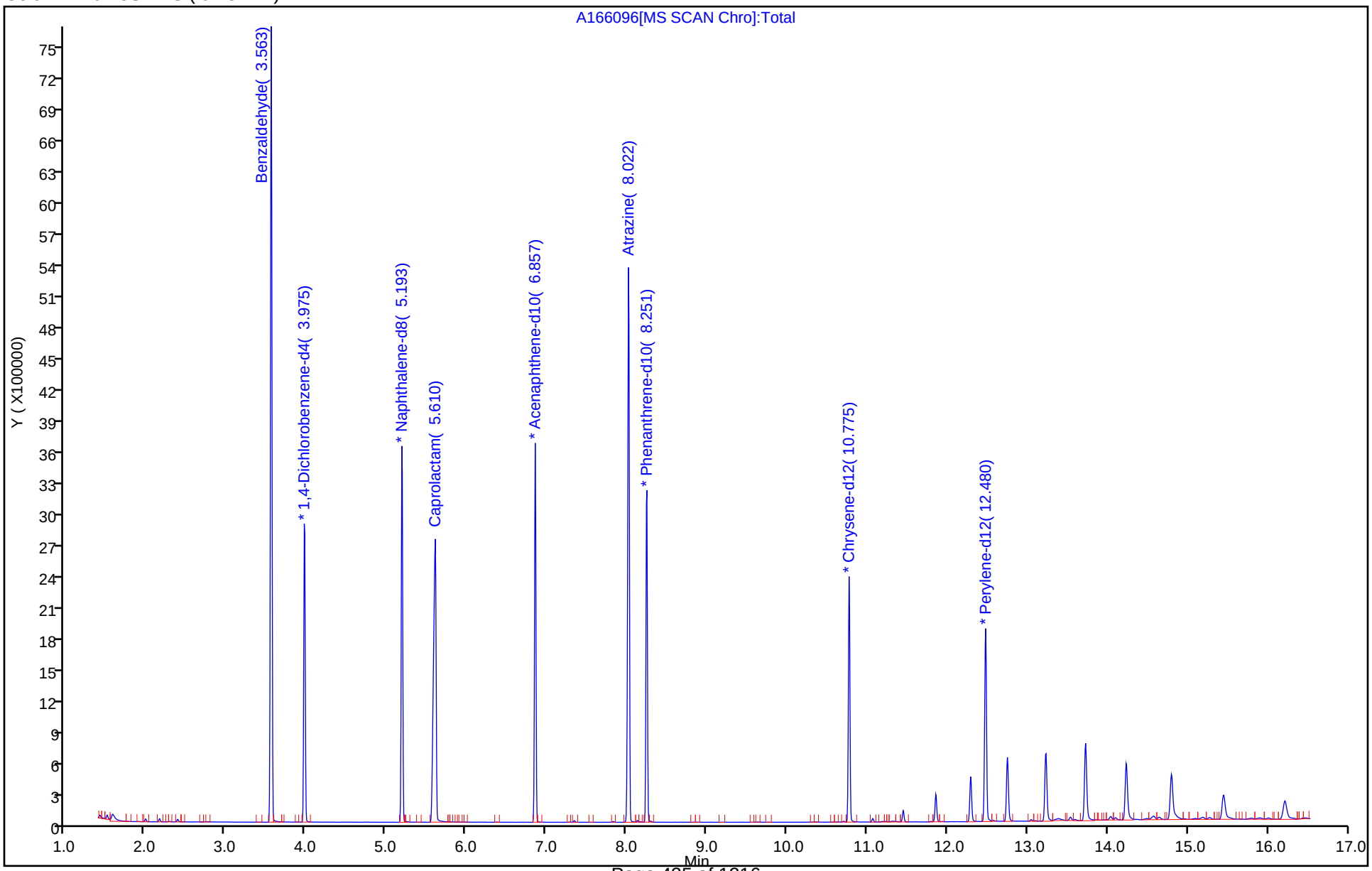
Report Date: 22-Nov-2019 17:38:16 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166096.D

Injection Date:	22-Nov-2019 13:48:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std24			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166097.D
Lims ID: std16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Nov-2019 14:09:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-013
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:18 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 14:48:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.563	3.557	0.006	95	1447841	16.0	15.1	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.975	0.006	98	575553	8.00	8.00	
* 38 Naphthalene-d8	136	5.192	5.193	-0.001	99	2252684	8.00	8.00	
42 Caprolactam	113	5.598	5.593	0.005	93	452088	16.0	16.6	
* 64 Acenaphthene-d10	164	6.857	6.857	0.000	95	978320	8.00	8.00	
83 Atrazine	200	8.022	8.016	0.006	90	590658	16.0	15.6	
* 87 Phenanthrene-d10	188	8.251	8.245	0.006	99	1527711	8.00	8.00	
* 102 Chrysene-d12	240	10.774	10.775	-0.001	98	1034370	8.00	8.00	
* 109 Perylene-d12	264	12.480	12.480	0.000	98	1028690	8.00	8.00	

Reagents:

SM_BNAL6B_00022 Amount Added: 1.00 Units: mL

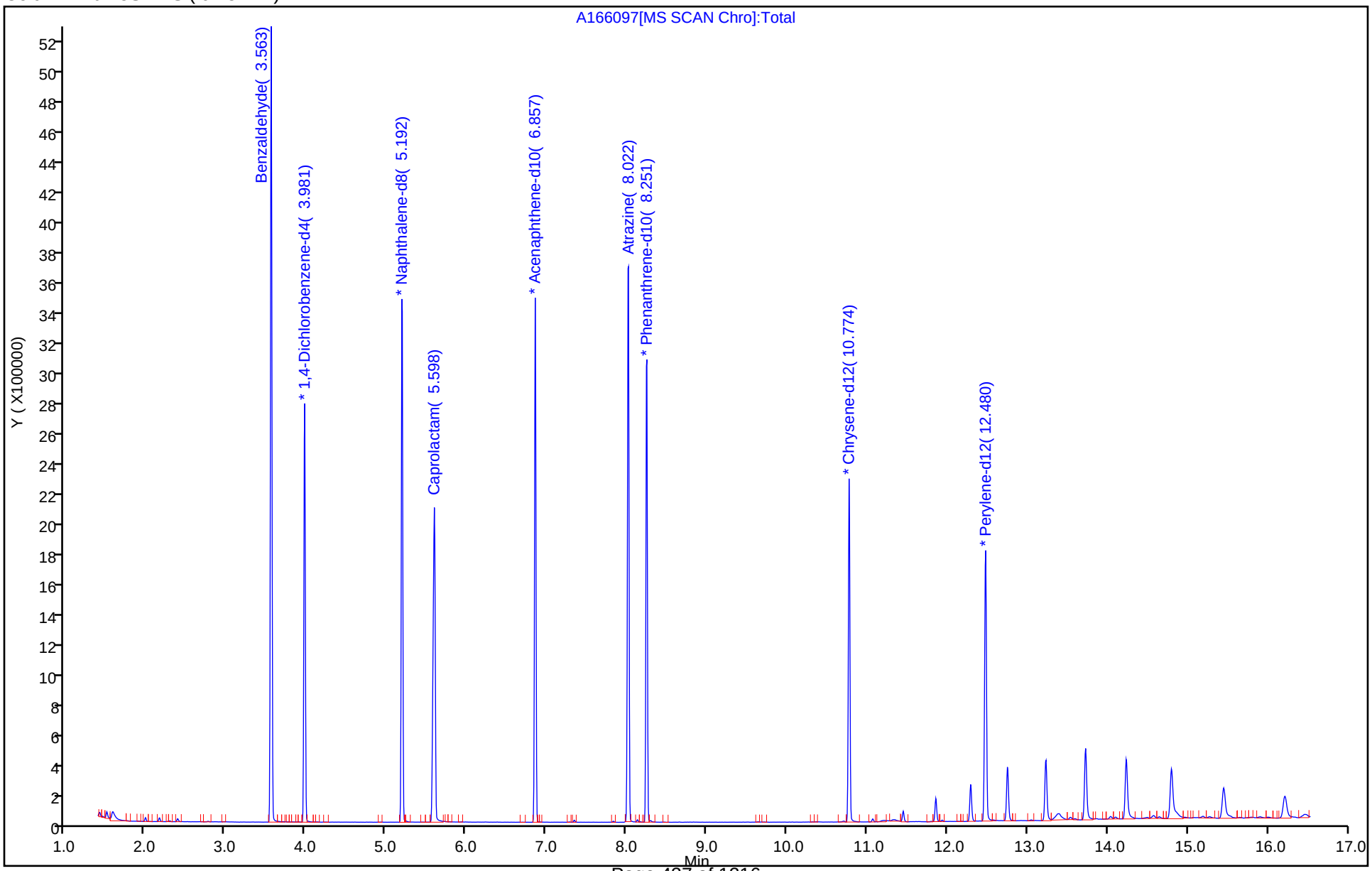
Report Date: 22-Nov-2019 17:38:18 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166097.D

Injection Date:	22-Nov-2019 14:09:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std16			Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166098.D
Lims ID: std4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Nov-2019 14:30:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-014
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:20 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 15:03:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.557	3.557	0.000	95	429555	4.00	4.22	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.975	0.006	97	612356	8.00	8.00	
* 38 Naphthalene-d8	136	5.193	5.193	0.000	99	2345083	8.00	8.00	
42 Caprolactam	113	5.581	5.593	-0.012	93	117775	4.00	4.16	
* 64 Acenaphthene-d10	164	6.857	6.857	0.000	95	1006063	8.00	8.00	
83 Atrazine	200	8.010	8.016	-0.006	90	165577	4.00	4.22	
* 87 Phenanthrene-d10	188	8.245	8.245	0.000	99	1581334	8.00	8.00	
* 102 Chrysene-d12	240	10.775	10.775	0.000	98	1063196	8.00	8.00	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1055496	8.00	8.00	

Reagents:

SM_BNAL4B_00031 Amount Added: 1.00 Units: mL

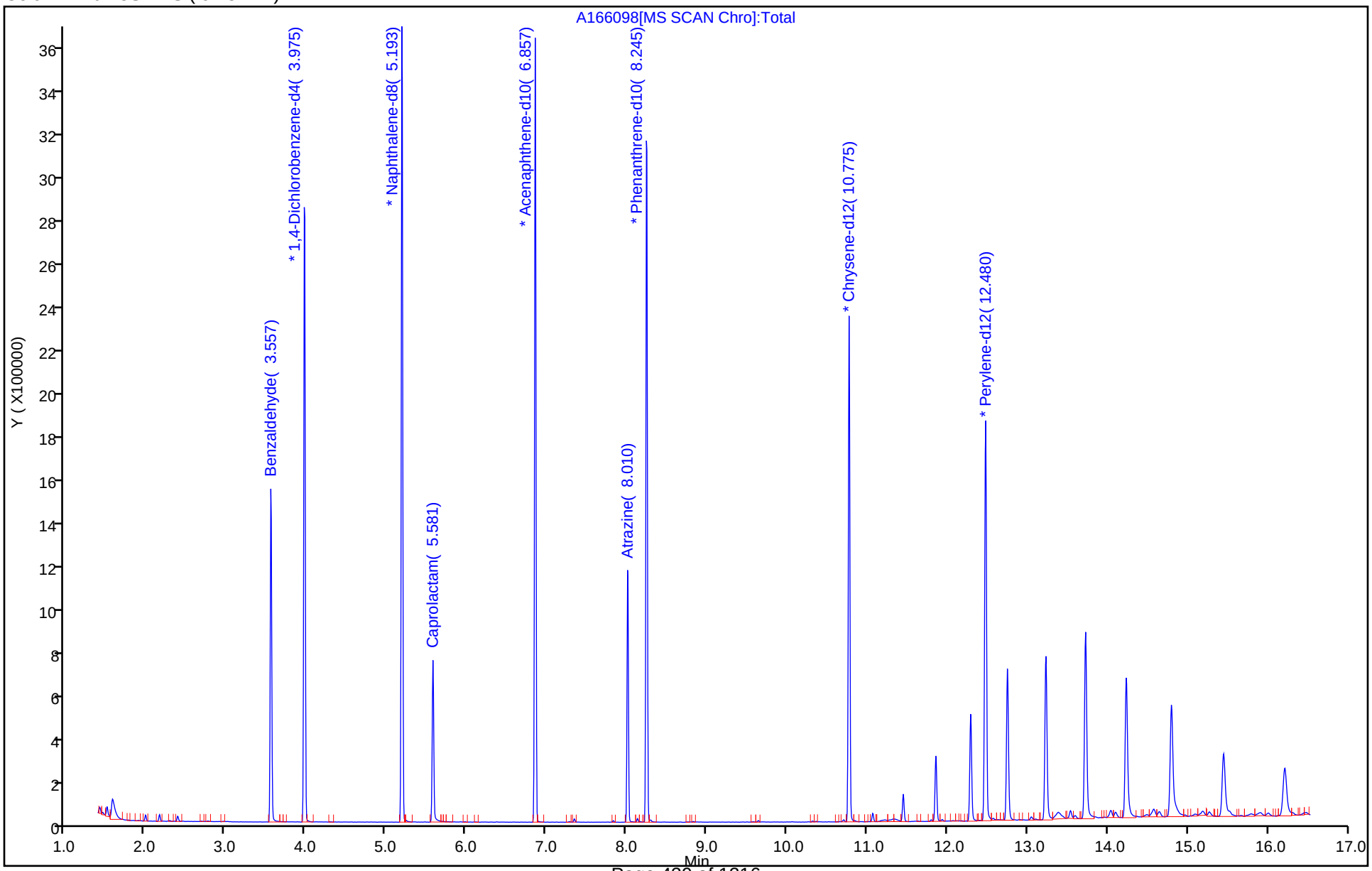
Report Date: 22-Nov-2019 17:38:21 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166098.D

Injection Date:	22-Nov-2019 14:30:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std4			Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166099.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Nov-2019 14:51:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-015
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:23 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 15:16:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.557	3.557	0.000	96	200910	2.00	2.08	
* 14 1,4-Dichlorobenzene-d4	152	3.975	3.975	0.000	97	582120	8.00	8.00	
* 38 Naphthalene-d8	136	5.192	5.193	-0.001	99	2210809	8.00	8.00	
42 Caprolactam	113	5.575	5.593	-0.018	92	51583	2.00	1.93	
* 64 Acenaphthene-d10	164	6.857	6.857	0.000	96	980441	8.00	8.00	
83 Atrazine	200	8.010	8.016	-0.006	90	77635	2.00	2.05	
* 87 Phenanthrene-d10	188	8.251	8.245	0.006	99	1525289	8.00	8.00	
* 102 Chrysene-d12	240	10.774	10.775	-0.001	99	1038501	8.00	8.00	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1013395	8.00	8.00	

Reagents:

SM_BNAL3B_00022 Amount Added: 1.00 Units: mL

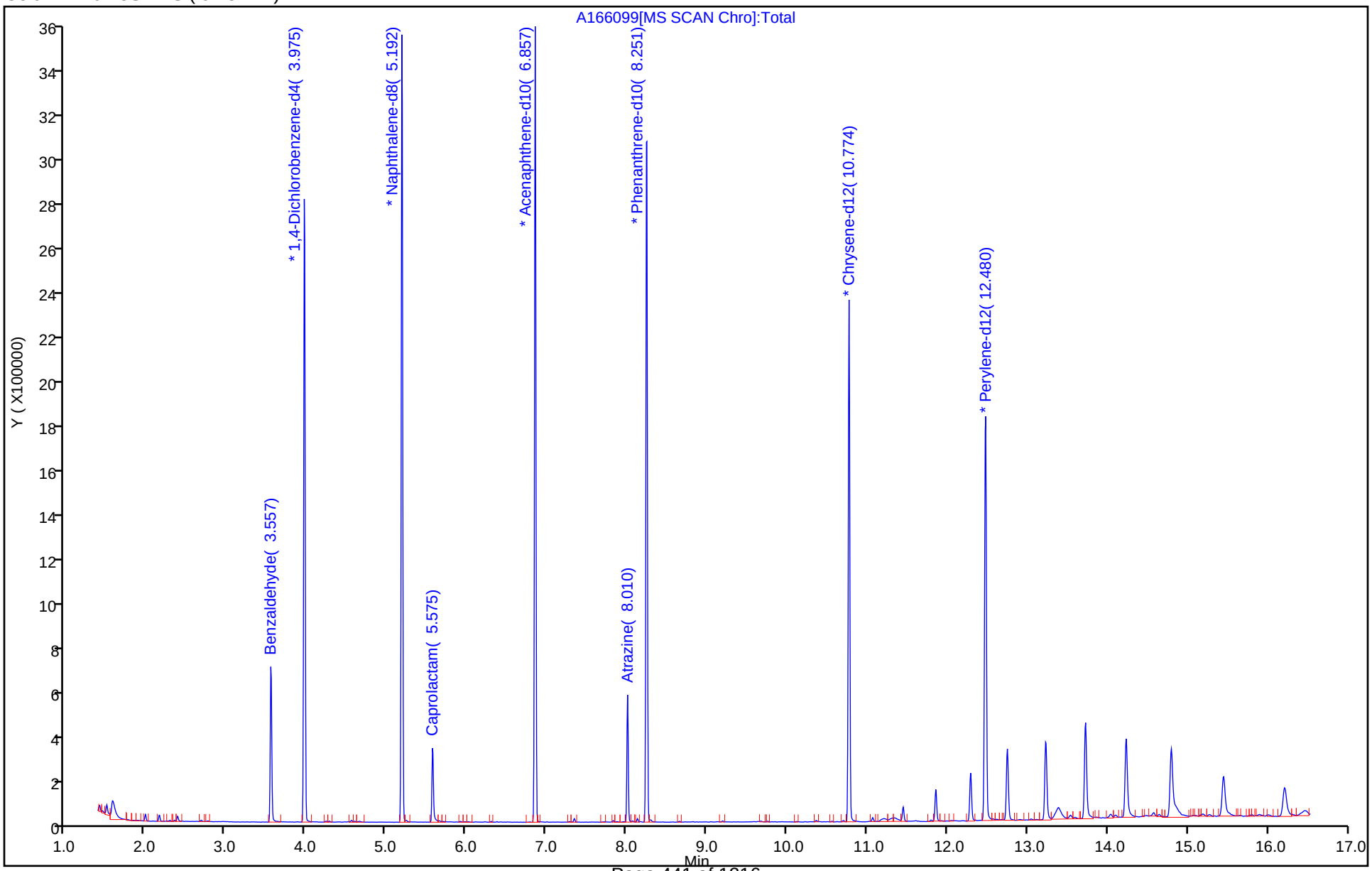
Report Date: 22-Nov-2019 17:38:24 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166099.D

Injection Date:	22-Nov-2019 14:51:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std2			Worklist Smp#:	15
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166100.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Nov-2019 15:12:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-016
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:25 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 15:31:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.563	3.557	0.006	95	104966	1.00	1.03	
* 14 1,4-Dichlorobenzene-d4	152	3.981	3.975	0.006	97	610341	8.00	8.00	
* 38 Naphthalene-d8	136	5.193	5.193	0.000	99	2339485	8.00	8.00	
42 Caprolactam	113	5.575	5.593	-0.018	93	26847	1.00	0.9504	
* 64 Acenaphthene-d10	164	6.857	6.857	0.000	95	1046086	8.00	8.00	
83 Atrazine	200	8.010	8.016	-0.006	90	39334	1.00	0.99	
* 87 Phenanthrene-d10	188	8.245	8.245	0.000	99	1598513	8.00	8.00	
* 102 Chrysene-d12	240	10.775	10.775	-0.001	98	1077118	8.00	8.00	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1063864	8.00	8.00	

Reagents:

SM_BNAL2B_00026 Amount Added: 1.00 Units: mL

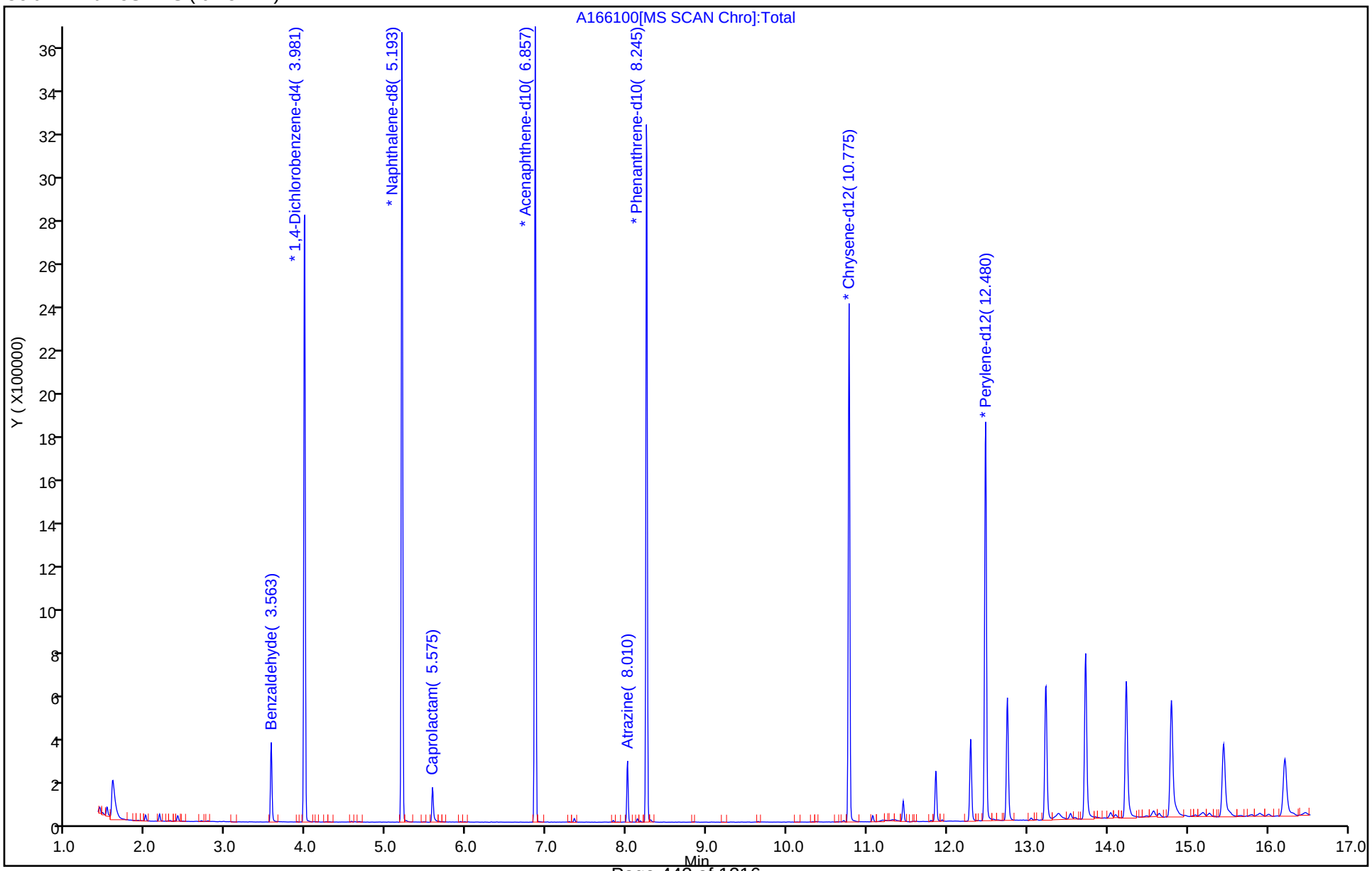
Report Date: 22-Nov-2019 17:38:26 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166100.D

Injection Date:	22-Nov-2019 15:12:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std1			Worklist Smp#:	16
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D
Lims ID: std02
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Nov-2019 15:33:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-017
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 17:38:27 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: johnstonm1 Date: 22-Nov-2019 15:54:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.563	3.557	0.006	96	21225	0.2000	0.2062	
* 14 1,4-Dichlorobenzene-d4	152	3.975	3.975	0.000	97	619036	8.00	8.00	
* 38 Naphthalene-d8	136	5.192	5.193	-0.001	99	2366037	8.00	8.00	
42 Caprolactam	113	5.581	5.593	-0.012	90	4830	0.2000	0.1691	
* 64 Acenaphthene-d10	164	6.857	6.857	0.000	95	1047031	8.00	8.00	
83 Atrazine	200	8.010	8.016	-0.006	89	7302	0.2000	0.1828	
* 87 Phenanthrene-d10	188	8.251	8.245	0.006	99	1610265	8.00	8.00	
* 102 Chrysene-d12	240	10.774	10.775	-0.001	98	1094122	8.00	8.00	
* 109 Perylene-d12	264	12.480	12.480	0.000	97	1085885	8.00	8.00	

Reagents:

SM_BNAL1B_00024 Amount Added: 1.00 Units: mL

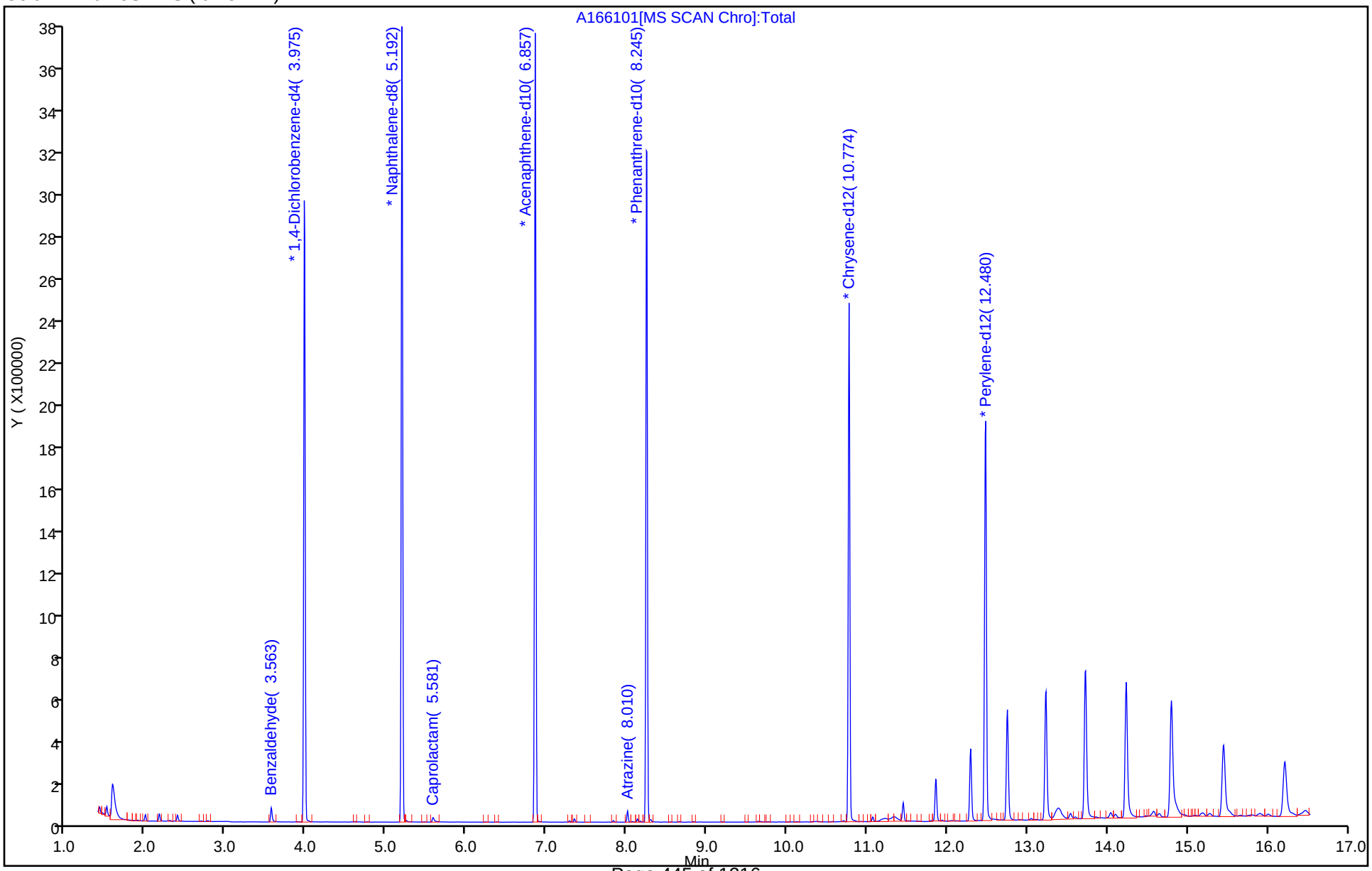
Report Date: 22-Nov-2019 17:38:28 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Injection Date:	22-Nov-2019 15:33:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std02			Worklist Smp#:	17
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665495/2 Calibration Date: 12/27/2019 20:00

Instrument ID: CBNAMS16 Calib Start Date: 11/22/2019 09:35

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 11/22/2019 12:46

Lab File ID: A167235.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5649	0.4937	0.0100	8740	10000	-12.6	20.0
N-Nitrosodimethylamine	Ave	0.9174	0.8280		9020	10000	-9.8	20.0
Pyridine	Ave	1.241	1.135		18300	20000	-8.6	20.0
Aniline	Ave	2.329	2.294		9850	10000	-1.5	20.0
Phenol	Ave	2.130	2.062	0.8000	9680	10000	-3.2	20.0
Bis(2-chloroethyl)ether	Ave	1.557	1.468	0.7000	9430	10000	-5.7	20.0
2-Chlorophenol	Ave	1.581	1.575	0.8000	9960	10000	-0.4	20.0
n-Decane	Ave	1.578	1.592	0.0100	10100	10000	0.9	20.0
1,3-Dichlorobenzene	Ave	1.627	1.611		9900	10000	-1.0	20.0
1,4-Dichlorobenzene	Ave	1.644	1.631		9920	10000	-0.8	20.0
Benzyl alcohol	Ave	0.9116	0.7978	0.0100	8750	10000	-12.5	20.0
1,2-Dichlorobenzene	Ave	1.504	1.487		9880	10000	-1.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.008	2.049	0.0100	10200	10000	2.0	20.0
2-Methylphenol	Ave	1.401	1.447	0.7000	10300	10000	3.3	20.0
N-Methylaniline	Qua		1.920		9190	10000	-8.1	20.0
Acetophenone	Ave	1.968	1.994	0.0100	10100	10000	1.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.002	1.036	0.5000	10300	10000	3.4	20.0
3 & 4 Methylphenol	Ave	1.476	1.592		10800	10000	7.9	20.0
4-Methylphenol	Ave	1.433	1.520	0.6000	10600	10000	6.0	20.0
Hexachloroethane	Ave	0.5786	0.5745	0.3000	9930	10000	-0.7	20.0
Nitrobenzene	Ave	0.7056	0.7156	0.2000	10100	10000	1.4	20.0
n,n'-Dimethylaniline	Ave	2.138	2.138	0.0100	10000	10000	-0.0	20.0
Isophorone	Ave	0.7040	0.6998	0.4000	9940	10000	-0.6	20.0
2-Nitrophenol	Ave	0.1982	0.1993	0.1000	10100	10000	0.5	20.0
2,4-Dimethylphenol	Ave	0.3280	0.3203	0.2000	9770	10000	-2.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.4185	0.4322	0.3000	10300	10000	3.3	20.0
Benzoic acid	Lin2		0.2346		10200	10000	2.0	20.0
2,4-Dichlorophenol	Ave	0.2822	0.2821	0.2000	10000	10000	-0.0	20.0
1,2,4-Trichlorobenzene	Ave	0.2942	0.2790		9480	10000	-5.2	20.0
Naphthalene	Ave	1.066	1.070	0.7000	10000	10000	0.4	20.0
4-Chloroaniline	Ave	0.4232	0.4199	0.0100	9920	10000	-0.8	20.0
Hexachlorobutadiene	Ave	0.1376	0.1363	0.0100	9910	10000	-0.9	20.0
4-Chloro-3-methylphenol	Ave	0.2848	0.2886		10100	10000	1.3	20.0
2-Methylnaphthalene	Ave	0.6691	0.6775	0.4000	10100	10000	1.3	20.0
1-Methylnaphthalene	Ave	0.6192	0.6145	0.0100	9920	10000	-0.8	20.0
Hexachlorocyclopentadiene	Ave	0.2729	0.2764	0.0500	10100	10000	1.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5061	0.5012	0.0100	9900	10000	-1.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.3939	0.3944	0.0100	10000	10000	0.1	20.0
2,4,6-Trichlorophenol	Ave	0.3779	0.3698	0.2000	9780	10000	-2.2	20.0
2,4,5-Trichlorophenol	Ave	0.4042	0.3969	0.2000	9820	10000	-1.8	20.0
1,1'-Biphenyl	Ave	1.633	1.624	0.0100	9940	10000	-0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665495/2 Calibration Date: 12/27/2019 20:00

Instrument ID: CBNAMS16 Calib Start Date: 11/22/2019 09:35

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 11/22/2019 12:46

Lab File ID: A167235.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.251	1.211	0.8000	9680	10000	-3.2	20.0
Phenyl ether	Ave	0.8423	0.9170	0.0100	10900	10000	8.9	20.0
2-Nitroaniline	Ave	0.4335	0.4277	0.0100	9870	10000	-1.3	20.0
1,3-Dimethylnaphthalene	Ave	1.011	0.9779	0.0100	9680	10000	-3.2	20.0
Coumarin	Ave	0.2204	0.2106	0.0100	9560	10000	-4.4	20.0
Dimethyl phthalate	Ave	1.357	1.273	0.0100	9380	10000	-6.2	20.0
2,6-Dinitrotoluene	Ave	0.3120	0.3048	0.2000	9770	10000	-2.3	20.0
Acenaphthylene	Ave	2.033	1.944	0.9000	9560	10000	-4.4	20.0
3-Nitroaniline	Ave	0.3950	0.3661	0.0100	9270	10000	-7.3	20.0
Acenaphthene	Ave	1.130	1.157	0.9000	10200	10000	2.4	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.8827	0.995	0.0100	11300	10000	12.7	20.0
2,4-Dinitrophenol	Lin2		0.1574	0.0100	16600	20000	-17.1	20.0
Dibenzofuran	Ave	1.596	1.623	0.8000	10200	10000	1.7	20.0
2,4-Dinitrotoluene	Ave	0.3678	0.3518	0.2000	9570	10000	-4.3	20.0
4-Nitrophenol	Ave	0.2739	0.2542	0.0100	18600	20000	-7.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2804	0.2710	0.0100	9670	10000	-3.3	20.0
Diethyl phthalate	Ave	1.438	1.306	0.0100	9080	10000	-9.2	20.0
Fluorene	Ave	1.275	1.248	0.9000	9780	10000	-2.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.5405	0.5362	0.4000	9920	10000	-0.8	20.0
4-Nitroaniline	Ave	0.3977	0.3460	0.0100	8700	10000	-13.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1308	0.1290	0.0100	19700	20000	-1.4	20.0
N-Nitrosodiphenylamine	Ave	0.6428	0.6516	0.0100	10100	10000	1.4	20.0
1,2-Diphenylhydrazine	Ave	0.9804	1.058	0.0100	10800	10000	7.9	20.0
4-Bromophenyl phenyl ether	Ave	0.1976	0.2118	0.1000	10700	10000	7.2	20.0
Hexachlorobenzene	Ave	0.2080	0.2140	0.1000	10300	10000	2.9	20.0
Pentachlorophenol	Ave	0.1082	0.1105	0.0500	20400	20000	2.1	20.0
Pentachloronitrobenzene	Ave	0.0825	0.0854	0.0100	10300	10000	3.5	20.0
n-Octadecane	Ave	0.5219	0.6222	0.0100	11900	10000	19.2	20.0
Phenanthrene	Ave	1.182	1.189	0.7000	10100	10000	0.6	20.0
Anthracene	Ave	1.204	1.222	0.7000	10100	10000	1.5	20.0
Carbazole	Ave	1.142	1.105	0.0100	9680	10000	-3.2	20.0
Di-n-butyl phthalate	Ave	1.364	1.342	0.0100	9840	10000	-1.6	20.0
Fluoranthene	Ave	1.103	1.032	0.6000	9360	10000	-6.4	20.0
Benzidine	Ave	0.6364	0.6545		10300	10000	2.8	20.0
Pyrene	Ave	1.731	1.897	0.6000	11000	10000	9.6	20.0
Bisphenol-A	Ave	0.7604	0.7584		9970	10000	-0.3	20.0
Butyl benzyl phthalate	Ave	0.8345	0.9145	0.0100	11000	10000	9.6	20.0
2,3,7,8-TCDD	Ave	0.1856	0.2072	0.0100	112	100	11.7	20.0
Carbamazepine	Ave	0.6590	0.7444	0.0100	11300	10000	13.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4637	0.5119	0.0100	11000	10000	10.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665495/2 Calibration Date: 12/27/2019 20:00

Instrument ID: CBNAMS16 Calib Start Date: 11/22/2019 09:35

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 11/22/2019 12:46

Lab File ID: A167235.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.305	1.375	0.8000	10500	10000	5.4	20.0
Chrysene	Ave	1.290	1.387	0.7000	10800	10000	7.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.064	1.216	0.0100	11400	10000	14.3	20.0
Di-n-octyl phthalate	Ave	1.720	1.707	0.0100	9930	10000	-0.7	20.0
Benzo[b]fluoranthene	Ave	1.192	1.090	0.7000	9140	10000	-8.6	20.0
Benzo[k]fluoranthene	Ave	1.289	1.307	0.7000	10100	10000	1.4	20.0
Benzo[a]pyrene	Ave	1.140	1.118	0.7000	9810	10000	-1.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.225	1.279	0.5000	10400	10000	4.4	20.0
Dibenz(a,h)anthracene	Ave	1.168	1.237	0.4000	10600	10000	5.9	20.0
Benzo[g,h,i]perylene	Ave	1.299	1.322	0.5000	10200	10000	1.8	20.0
2-Fluorophenol (Surr)	Ave	1.538	1.528		9940	10000	-0.6	20.0
Phenol-d5 (Surr)	Ave	1.805	1.816		10100	10000	0.6	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3935	0.3888		9880	10000	-1.2	20.0
2-Fluorobiphenyl	Ave	1.567	1.479		9440	10000	-5.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1603	0.1575		9830	10000	-1.7	20.0
Terphenyl-d14 (Surr)	Ave	1.076	1.131		10500	10000	5.1	20.0

Report Date: 30-Dec-2019 08:17:00 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167235.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Dec-2019 20:00:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 30-Dec-2019 08:16:58 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: hamziy Date: 27-Dec-2019 20:30:30

	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	1.534	1.534	0.000	95	286515	10.0	8.74	
	2 N-Nitrosodimethylamine	74	1.704	1.704	0.000	88	480475	10.0	9.02	
	3 Pyridine	79	1.728	1.728	0.000	93	1317197	20.0	18.3	
$	4 2-Fluorophenol	112	2.675	2.675	0.000	97	886982	10.0	9.94	
	8 Aniline	93	3.540	3.540	0.000	99	1331040	10.0	9.85	
$	6 Phenol-d5	99	3.551	3.551	0.000	0	1054001	10.0	10.1	
	7 Phenol	94	3.563	3.563	0.000	99	1196659	10.0	9.68	
	9 Bis(2-chloroethyl)ether	93	3.598	3.598	0.000	97	851820	10.0	9.43	
	10 Benzonitrile	103	3.610	3.610	0.000	98	1755635	NC	NC	
	11 2-Chlorophenol	128	3.663	3.663	0.000	96	913836	10.0	9.96	
	12 n-Decane	43	3.704	3.704	0.000	91	924087	10.0	10.1	
	13 1,3-Dichlorobenzene	146	3.792	3.792	0.000	95	934783	10.0	9.90	
*	14 1,4-Dichlorobenzene-d4	152	3.851	3.851	0.000	97	464253	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.863	3.863	0.000	93	946625	10.0	9.92	
	16 Benzyl alcohol	108	4.004	4.004	0.000	94	462947	10.0	8.75	
	17 1,2-Dichlorobenzene	146	4.010	4.010	0.000	95	862667	10.0	9.88	
	19 2,2'-oxybis[1-chloropropan	45	4.122	4.122	0.000	94	1188914	10.0	10.2	
	18 2-Methylphenol	108	4.140	4.140	0.000	91	839754	10.0	10.3	
	20 N-Methylaniline	106	4.239	4.239	0.000	94	1114211	10.0	9.19	
	21 Acetophenone	105	4.245	4.245	0.000	94	1157144	10.0	10.1	
	22 N-Nitrosodi-n-propylamine	70	4.257	4.257	0.000	90	601293	10.0	10.3	
	24 4-Methylphenol	108	4.292	4.292	0.000	95	881897	10.0	10.6	
	23 3 & 4 Methylphenol	108	4.292	4.292	0.000	97	923994	10.0	10.8	
	25 Hexachloroethane	117	4.334	4.334	0.000	93	333403	10.0	9.93	
$	27 Nitrobenzene-d5	82	4.392	4.392	0.000	91	889761	10.0	9.88	
	28 Nitrobenzene	123	4.410	4.410	0.000	94	415247	10.0	10.1	
	29 n,n'-Dimethylaniline	120	4.416	4.416	0.000	92	1240548	10.0	10.0	
	30 Isophorone	82	4.639	4.639	0.000	100	1601710	10.0	9.94	
	32 2-Nitrophenol	139	4.716	4.716	0.000	91	456058	10.0	10.1	
	33 2,4-Dimethylphenol	122	4.798	4.798	0.000	92	733114	10.0	9.77	
	34 Bis(2-chloroethoxy)methane	93	4.863	4.863	0.000	98	989250	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	4.939	4.939	0.000	86	536912	10.0	10.2	Ma
36 2,4-Dichlorophenol	162	4.969	4.969	0.000	96	645706	10.0	10.0	
37 1,2,4-Trichlorobenzene	180	5.028	5.028	0.000	95	638491	10.0	9.48	
* 38 Naphthalene-d8	136	5.075	5.075	0.000	99	1831037	8.00	8.00	
39 Naphthalene	128	5.092	5.092	0.000	99	2449006	10.0	10.0	
40 4-Chloroaniline	127	5.169	5.169	0.000	96	960995	10.0	9.92	
41 Hexachlorobutadiene	225	5.228	5.228	0.000	91	311966	10.0	9.91	
43 4-Chloro-3-methylphenol	107	5.669	5.669	0.000	96	660456	10.0	10.1	
44 2-Methylnaphthalene	142	5.757	5.757	0.000	86	1550713	10.0	10.1	
45 1-Methylnaphthalene	142	5.851	5.851	0.000	93	1406473	10.0	9.92	
46 Hexachlorocyclopentadiene	237	5.916	5.916	0.000	95	285981	10.0	10.1	
47 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	0.000	95	518622	10.0	9.90	
48 2-tertbutyl-4-methylphenol	149	5.986	5.986	0.000	89	902623	10.0	10.0	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	87	382657	10.0	9.78	
50 2,4,5-Trichlorophenol	196	6.092	6.092	0.000	95	410712	10.0	9.82	
$ 51 2-Fluorobiphenyl	172	6.116	6.116	0.000	98	1530415	10.0	9.44	
52 1,1'-Biphenyl	154	6.204	6.204	0.000	96	1680822	10.0	9.94	
53 2-Chloronaphthalene	162	6.216	6.216	0.000	98	1253275	10.0	9.68	
54 Phenyl ether	170	6.310	6.310	0.000	85	948891	10.0	10.9	
55 2-Nitroaniline	65	6.333	6.333	0.000	97	442625	10.0	9.87	
57 1,3-Dimethylnaphthalene	156	6.428	6.428	0.000	91	1011930	10.0	9.68	
59 Dimethyl phthalate	163	6.516	6.516	0.000	98	1316937	10.0	9.38	
60 Coumarin	146	6.516	6.516	0.000	79	482101	10.0	9.56	
61 2,6-Dinitrotoluene	165	6.563	6.563	0.000	95	315400	10.0	9.77	
62 Acenaphthylene	152	6.604	6.604	0.000	98	2011497	10.0	9.56	
63 3-Nitroaniline	138	6.728	6.728	0.000	96	378828	10.0	9.27	
* 64 Acenaphthene-d10	164	6.739	6.739	0.000	95	827868	8.00	8.00	
66 Acenaphthene	154	6.769	6.769	0.000	95	1197559	10.0	10.2	
65 3,5-di-tert-butyl-4-hydrox	205	6.786	6.786	0.000	98	1029692	10.0	11.3	
67 2,4-Dinitrophenol	184	6.828	6.828	0.000	93	325725	20.0	16.6	
70 Dibenzofuran	168	6.933	6.933	0.000	98	1679778	10.0	10.2	
69 2,4-Dinitrotoluene	165	6.939	6.939	0.000	87	364035	10.0	9.57	
68 4-Nitrophenol	65	6.945	6.945	0.000	93	526161	20.0	18.6	
72 2,3,4,6-Tetrachlorophenol	232	7.069	7.069	0.000	89	280484	10.0	9.67	
73 Diethyl phthalate	149	7.180	7.180	0.000	98	1351605	10.0	9.08	
75 Fluorene	166	7.257	7.257	0.000	95	1291414	10.0	9.78	
74 4-Chlorophenyl phenyl ethe	204	7.263	7.263	0.000	85	554923	10.0	9.92	
76 4-Nitroaniline	138	7.304	7.304	0.000	90	358099	10.0	8.70	
77 4,6-Dinitro-2-methylphenol	198	7.328	7.328	0.000	81	374199	20.0	19.7	
78 N-Nitrosodiphenylamine	169	7.380	7.380	0.000	73	944917	10.0	10.1	
79 1,2-Diphenylhydrazine	77	7.410	7.410	0.000	99	1534695	10.0	10.8	
$ 80 2,4,6-Tribromophenol	330	7.486	7.486	0.000	91	162960	10.0	9.83	
81 4-Bromophenyl phenyl ether	248	7.722	7.722	0.000	87	307108	10.0	10.7	
82 Hexachlorobenzene	284	7.775	7.775	0.000	98	310393	10.0	10.3	
84 Pentachlorophenol	266	7.975	7.975	0.000	89	320399	20.0	20.4	
85 Pentachloronitrobenzene	237	7.980	7.980	0.000	82	123830	10.0	10.3	
86 n-Octadecane	57	8.075	8.075	0.000	91	902296	10.0	11.9	
* 87 Phenanthrene-d10	188	8.127	8.127	0.000	99	1160175	8.00	8.00	
88 Phenanthrene	178	8.151	8.151	0.000	98	1724084	10.0	10.1	
89 Anthracene	178	8.198	8.198	0.000	98	1771920	10.0	10.1	
90 Carbazole	167	8.363	8.363	0.000	96	1602920	10.0	9.68	
91 Di-n-butyl phthalate	149	8.716	8.716	0.000	99	1945698	10.0	9.84	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.263	9.263	0.000	97	1495962	10.0	9.36	
93 Benzidine	184	9.410	9.410	0.000	99	949212	10.0	10.3	
94 Pyrene	202	9.469	9.469	0.000	97	1545992	10.0	11.0	
95 Bisphenol-A	213	9.639	9.639	0.000	96	618106	10.0	9.97	
$ 96 Terphenyl-d14	244	9.639	9.639	0.000	99	922075	10.0	10.5	
97 Butyl benzyl phthalate	149	10.116	10.116	0.000	97	745364	10.0	11.0	
98 2,3,7,8-TCDD	320	10.186	10.186	0.000	88	1689	0.1000	0.1117	
99 Carbamazepine	193	10.204	10.204	0.000	92	606738	10.0	11.3	
100 3,3'-Dichlorobenzidine	252	10.621	10.621	0.000	99	417196	10.0	11.0	
101 Benzo[a]anthracene	228	10.627	10.627	0.000	100	1120763	10.0	10.5	
* 102 Chrysene-d12	240	10.639	10.639	0.000	98	652030	8.00	8.00	
104 Chrysene	228	10.663	10.663	0.000	98	1130544	10.0	10.8	
103 Bis(2-ethylhexyl) phthalat	149	10.710	10.710	0.000	87	991318	10.0	11.4	
105 Di-n-octyl phthalate	149	11.433	11.433	0.000	96	1591239	10.0	9.93	
106 Benzo[b]fluoranthene	252	11.827	11.827	0.000	98	1015528	10.0	9.14	
107 Benzo[k]fluoranthene	252	11.857	11.857	0.000	99	1218496	10.0	10.1	
108 Benzo[a]pyrene	252	12.215	12.215	0.000	96	1041876	10.0	9.81	
* 109 Perylene-d12	264	12.292	12.292	0.000	97	745575	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.668	13.668	0.000	99	1191765	10.0	10.4	
111 Dibenz(a,h)anthracene	278	13.704	13.704	0.000	95	1152862	10.0	10.6	
112 Benzo[g,h,i]perylene	276	14.009	14.009	0.000	96	1232460	10.0	10.2	

QC Flag Legend

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

Reagents:

SM_BNAL6_00056 Amount Added: 1.00 Units: mL

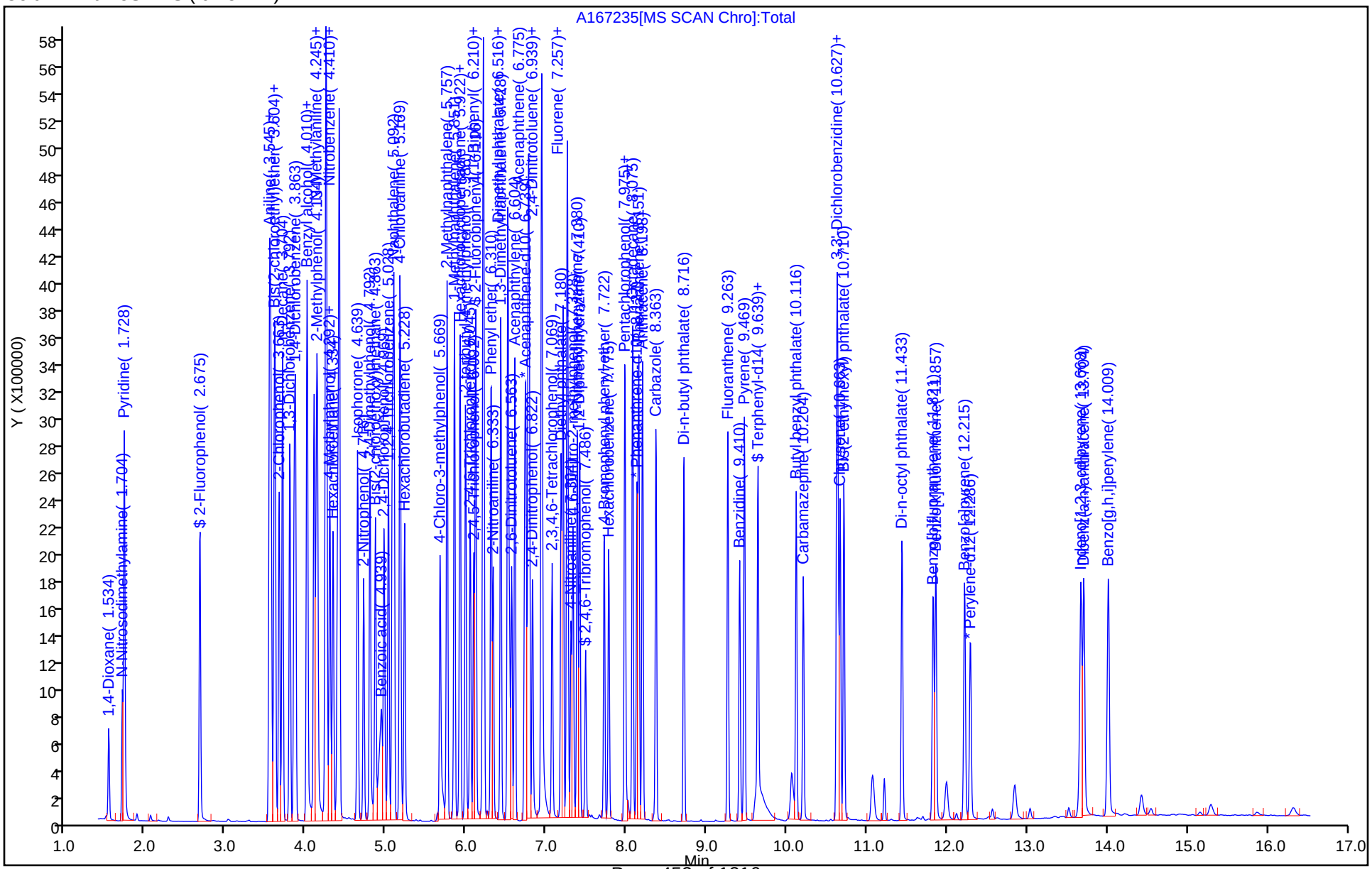
Report Date: 30-Dec-2019 08:17:00 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167235.D

Injection Date:	27-Dec-2019 20:00:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

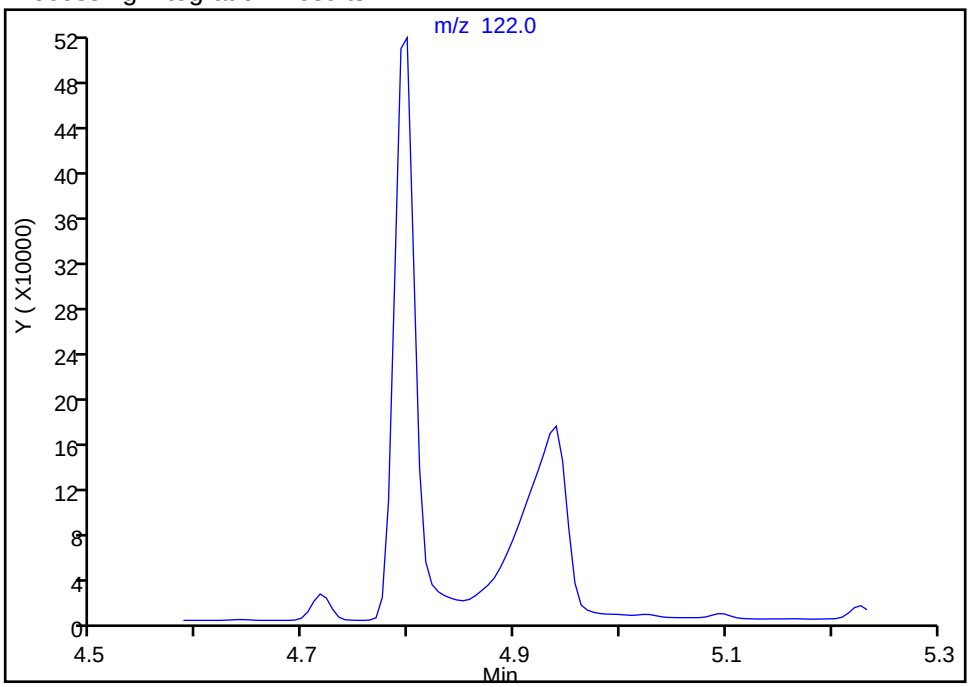
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167235.D		
Injection Date:	27-Dec-2019 20:00:30	Instrument ID:	CBNAMS16
Lims ID:	ccvis		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

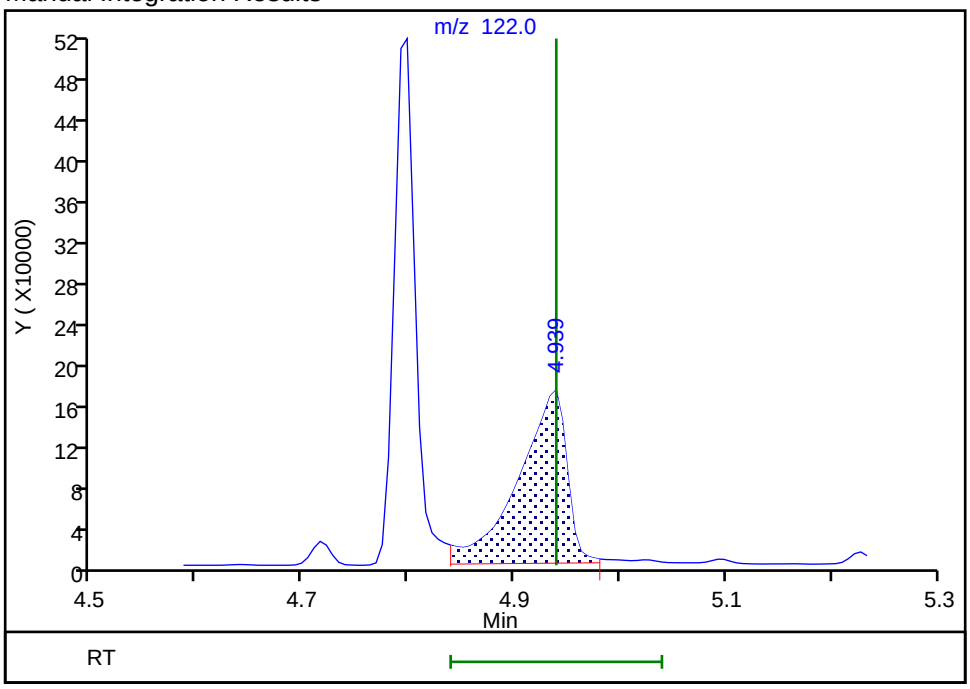
Not Detected
Expected RT: 4.94

Processing Integration Results



Manual Integration Results

RT: 4.94
Area: 536912
Amount: 10.195409
Amount Units: ug/ml



Reviewer: hamziy, 27-Dec-2019 20:29:08
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665495/3 Calibration Date: 12/27/2019 20:33

Instrument ID: CBNAMS16 Calib Start Date: 11/22/2019 13:28

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 11/22/2019 15:33

Lab File ID: A167236.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.330	1.351	0.0100	10200	10000	1.6	20.0
Caprolactam	Ave	0.0966	0.1054	0.0100	10900	10000	9.1	20.0
Atrazine	Ave	0.1984	0.2110	0.0100	10600	10000	6.3	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167236.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 20:33:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 27-Dec-2019 21:46:22 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: hamziy Date: 27-Dec-2019 20:55:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.422	3.422	0.000	95	710143	10.0	10.2	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	96	420393	8.00	8.00	
* 38 Naphthalene-d8	136	5.075	5.075	0.000	99	1672208	8.00	8.00	
42 Caprolactam	113	5.475	5.475	0.000	93	220237	10.0	10.9	
* 64 Acenaphthene-d10	164	6.739	6.739	0.000	95	801904	8.00	8.00	
83 Atrazine	200	7.898	7.898	0.000	90	327994	10.0	10.6	
* 87 Phenanthrene-d10	188	8.128	8.128	0.000	99	1243626	8.00	8.00	
* 102 Chrysene-d12	240	10.633	10.633	0.000	98	704459	8.00	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	696030	8.00	8.00	

Reagents:

SM_BNAL5B_00042 Amount Added: 1.00 Units: mL

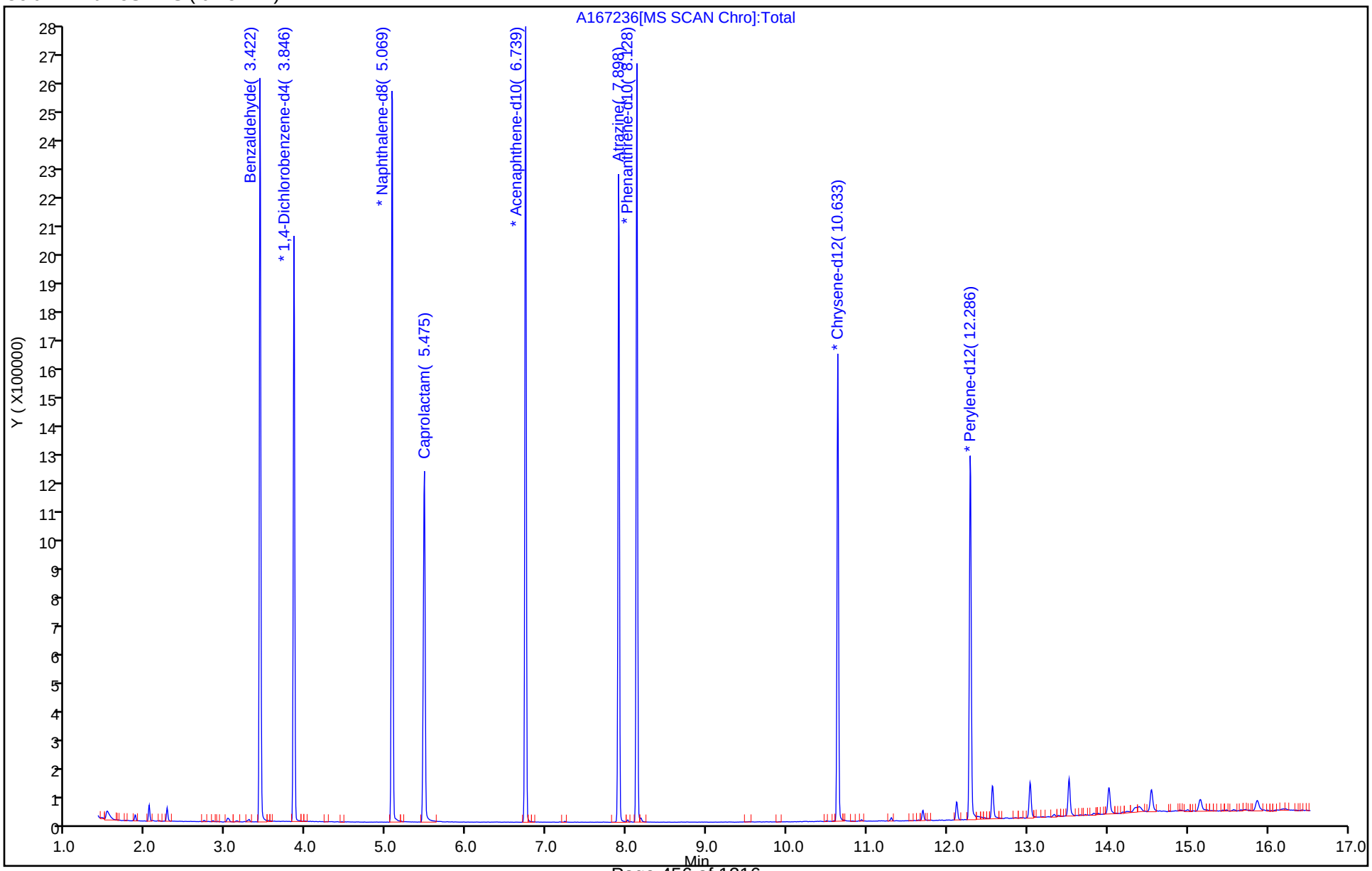
Report Date: 27-Dec-2019 21:46:23 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167236.D

Injection Date:	27-Dec-2019 20:33:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Nov-2019 09:13:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0101655-001
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 22-Nov-2019 16:30:03 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: nimerd Date: 22-Nov-2019 09:30:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.099	4.099	0.000	91	406340	NR	NR	
56 Benzidine_T	184	5.334	5.334	0.000	100	2426259	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.481	5.481	0.000	83	1577		NR	
126 4,4'-DDD	235	5.769	5.769	0.000	93	6651		NR	
127 4,4'-DDT	235	5.981	5.981	0.000	97	1051599	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

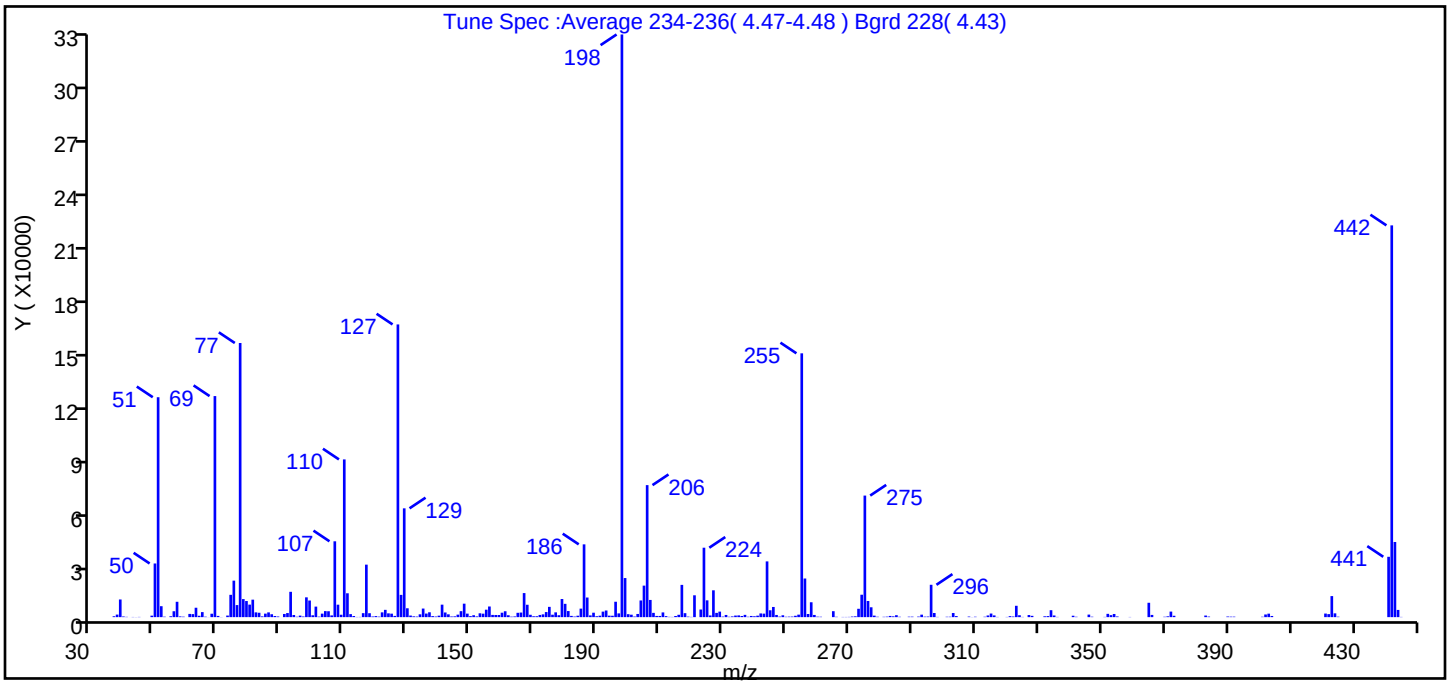
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D
Injection Date: 22-Nov-2019 09:13:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (148.7)
51	10-80% of the base peak	37.7
68	<2% of mass 69	0.6 (1.5)
69	Present	37.9
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	50.2
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.7
275	10-60% of the base peak	20.9
365	>1% of mass 198	2.5
441	present but <24% of mass 442	10.4 (15.4)
442	base peak, or >50% of 198	67.2
443	15-24% of mass 442	12.9 (19.2)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D\8270LVI_16.rslt\spectra.d
Injection Date: 22-Nov-2019 09:13:30
Spectrum: Tune Spec :Average 234-236(4.47-4.48) Bgrd 228(4.43)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	496	121.00	286	198.00	325248	281.00	186
38.00	1425	122.00	2671	199.00	21824	282.00	268
39.00	9860	123.00	4073	200.00	1650	283.00	670
40.00	371	124.00	2118	201.00	1367	284.00	444
41.00	166	125.00	1946	202.00	332	285.00	1085
42.00	11	126.00	693	203.00	1778	286.00	210
43.00	103	127.00	163392	204.00	9310	289.00	258
44.00	58	128.00	12426	205.00	17592	290.00	276
45.00	125	129.00	60736	206.00	73696	292.00	314
49.00	825	130.00	4952	207.00	9600	293.00	1387
50.00	29952	131.00	887	208.00	2387	294.00	272
51.00	122760	132.00	444	209.00	679	295.00	329
52.00	6108	133.00	319	210.00	666	296.00	18064
53.00	261	134.00	1580	211.00	2638	297.00	2311
55.00	497	135.00	4795	212.00	558	298.00	127
56.00	3299	136.00	1995	213.00	160	301.00	212
57.00	8576	137.00	2714	214.00	119	302.00	235
58.00	405	138.00	574	215.00	642	303.00	2300
59.00	263	139.00	338	216.00	1316	304.00	587
61.00	1801	140.00	822	217.00	18008	308.00	325
62.00	1691	141.00	6970	218.00	2214	309.00	55
63.00	5249	142.00	2598	219.00	299	310.00	230
64.00	762	143.00	1568	220.00	127	313.00	227
65.00	2810	144.00	366	221.00	12194	314.00	935
66.00	257	145.00	444	223.00	4256	315.00	2012
67.00	37	146.00	1389	224.00	38760	316.00	962
68.00	1909	147.00	3337	225.00	9383	317.00	113
69.00	123400	148.00	7520	226.00	936	320.00	110
70.00	691	149.00	1956	227.00	14978	321.00	539
71.00	65	150.00	570	228.00	2379	322.00	344
73.00	881	151.00	1069	229.00	3086	323.00	6339
74.00	12460	152.00	409	230.00	301	324.00	1067
75.00	20376	153.00	2144	231.00	1218	325.00	118

Report Date: 22-Nov-2019 16:30:05 Chrom Revision: 2.3 09-Oct-2019 11:13:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D\8270LVI_16.rslt\spectra.d
Injection Date: 22-Nov-2019 09:13:30
Spectrum: Tune Spec :Average 234-236(4.47-4.48) Bgrd 228(4.43)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	6734	154.00	1937	232.00	215	327.00	1168
77.00	153024	155.00	4158	233.00	409	328.00	725
78.00	10078	156.00	5945	234.00	881	332.00	464
79.00	8991	157.00	1244	235.00	965	333.00	583
80.00	6991	158.00	1204	236.00	643	334.00	3871
81.00	9758	159.00	1187	237.00	1275	335.00	925
82.00	2666	160.00	2470	238.00	221	336.00	128
83.00	2448	161.00	3285	239.00	661	341.00	787
84.00	420	162.00	1053	240.00	490	342.00	210
85.00	1959	163.00	274	241.00	824	346.00	1416
86.00	2648	164.00	389	242.00	2070	347.00	243
87.00	1617	165.00	2421	243.00	1957	351.00	128
88.00	633	166.00	2559	244.00	31120	352.00	1844
89.00	365	167.00	13432	245.00	3837	353.00	1113
91.00	1772	168.00	6916	246.00	5681	354.00	1760
92.00	2280	169.00	1321	247.00	1219	355.00	372
93.00	14138	170.00	488	248.00	305	359.00	105
94.00	1190	171.00	499	249.00	1039	365.00	8024
95.00	231	172.00	1224	250.00	209	366.00	1240
96.00	851	173.00	1555	251.00	284	370.00	214
97.00	348	174.00	2836	252.00	319	371.00	456
98.00	11054	175.00	5742	253.00	764	372.00	3101
99.00	9282	176.00	1350	254.00	1389	373.00	764
100.00	1033	177.00	2676	255.00	147264	383.00	891
101.00	5879	178.00	1065	256.00	21568	384.00	325
102.00	276	179.00	10114	257.00	1758	390.00	344
103.00	1952	180.00	7426	258.00	8307	391.00	267
104.00	3366	181.00	3398	259.00	1225	392.00	268
105.00	3294	182.00	702	260.00	269	401.00	222
106.00	965	183.00	324	261.00	217	402.00	1489
107.00	42336	184.00	799	265.00	3321	403.00	1944
108.00	6953	185.00	4758	266.00	202	404.00	652
109.00	1338	186.00	40632	268.00	111	421.00	2000
110.00	88048	187.00	10952	269.00	111	422.00	1685

Report Date: 22-Nov-2019 16:30:05 Chrom Revision: 2.3 09-Oct-2019 11:13:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D\8270LVI_16.rslt\spectra.d
Injection Date: 22-Nov-2019 09:13:30
Spectrum: Tune Spec :Average 234-236(4.47-4.48) Bgrd 228(4.43)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	13321	188.00	971	270.00	138	423.00	11749
112.00	1683	189.00	2476	271.00	332	424.00	2115
113.00	619	190.00	506	272.00	456	425.00	261
114.00	111	191.00	811	273.00	4669	441.00	33688
115.00	127	192.00	3083	274.00	12514	442.00	218688
116.00	2217	193.00	3707	275.00	67856	443.00	41952
117.00	29304	194.00	827	276.00	9015	444.00	4032
118.00	2195	195.00	779	277.00	5506	445.00	124
119.00	359	196.00	8599	278.00	843		
120.00	590	197.00	2096	279.00	229		

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D
Injection Date: 22-Nov-2019 09:13:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

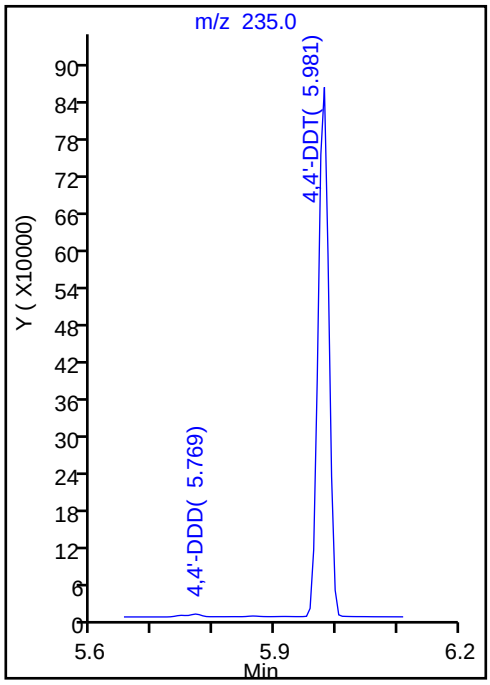
127 4,4'-DDT, Detector: MS SCAN

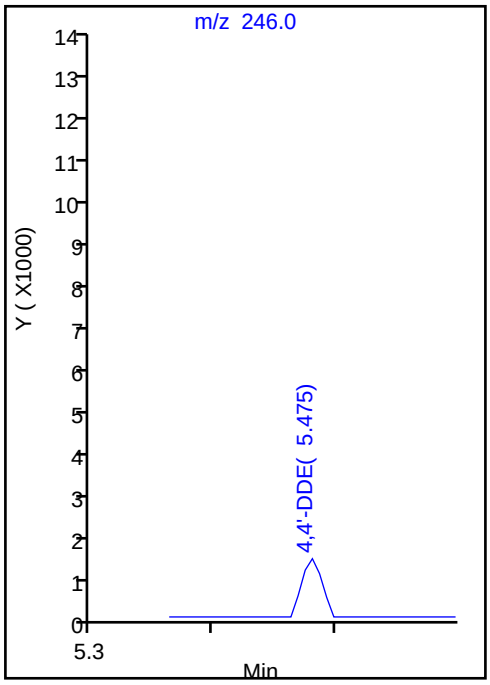
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 1051599
126 4,4'-DDD, Area = 6651
125 4,4'-DDE, Area = 1577

%Breakdown: 0.78%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

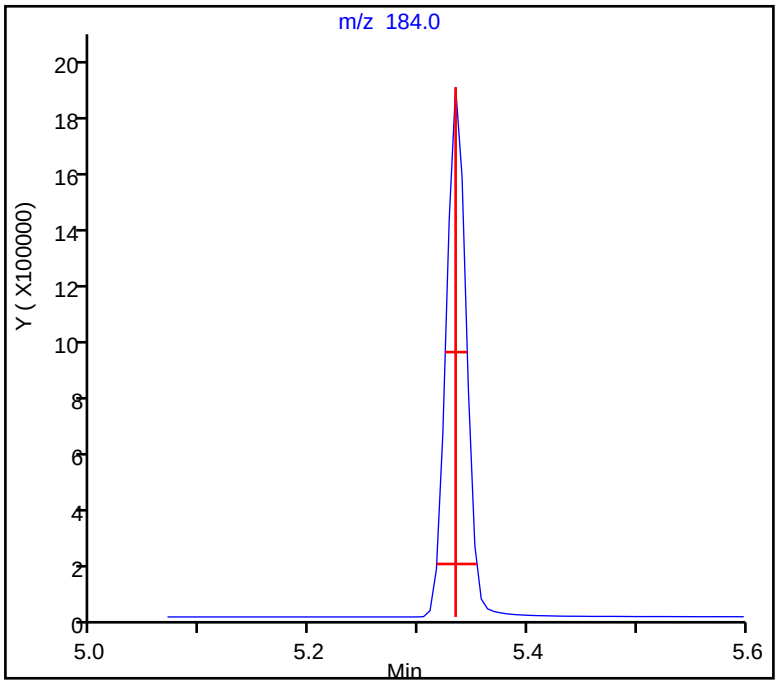
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D
Injection Date: 22-Nov-2019 09:13:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

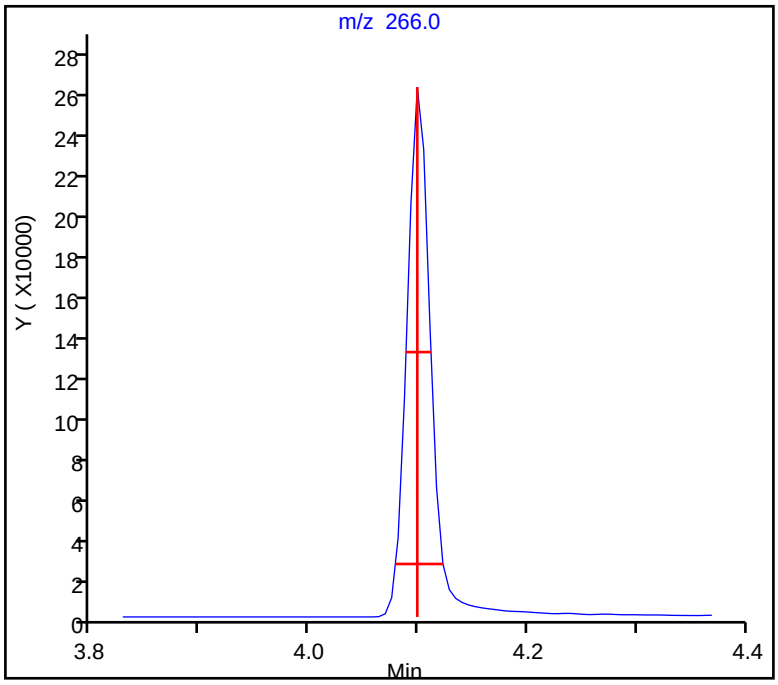
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166085.D
Injection Date: 22-Nov-2019 09:13:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.024 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 27-Dec-2019 19:44:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-001
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 27-Dec-2019 21:45:59 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: hamziy Date: 27-Dec-2019 19:54:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	3.963	3.963	0.000	92	456407	NR	NR	
56 Benzidine_T	184	5.210	5.210	0.000	99	3279337	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.357	5.357	0.000	87	1711		NR	
126 4,4'-DDD	235	5.646	5.646	0.000	92	6300		NR	
127 4,4'-DDT	235	5.857	5.857	0.000	96	1121404	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

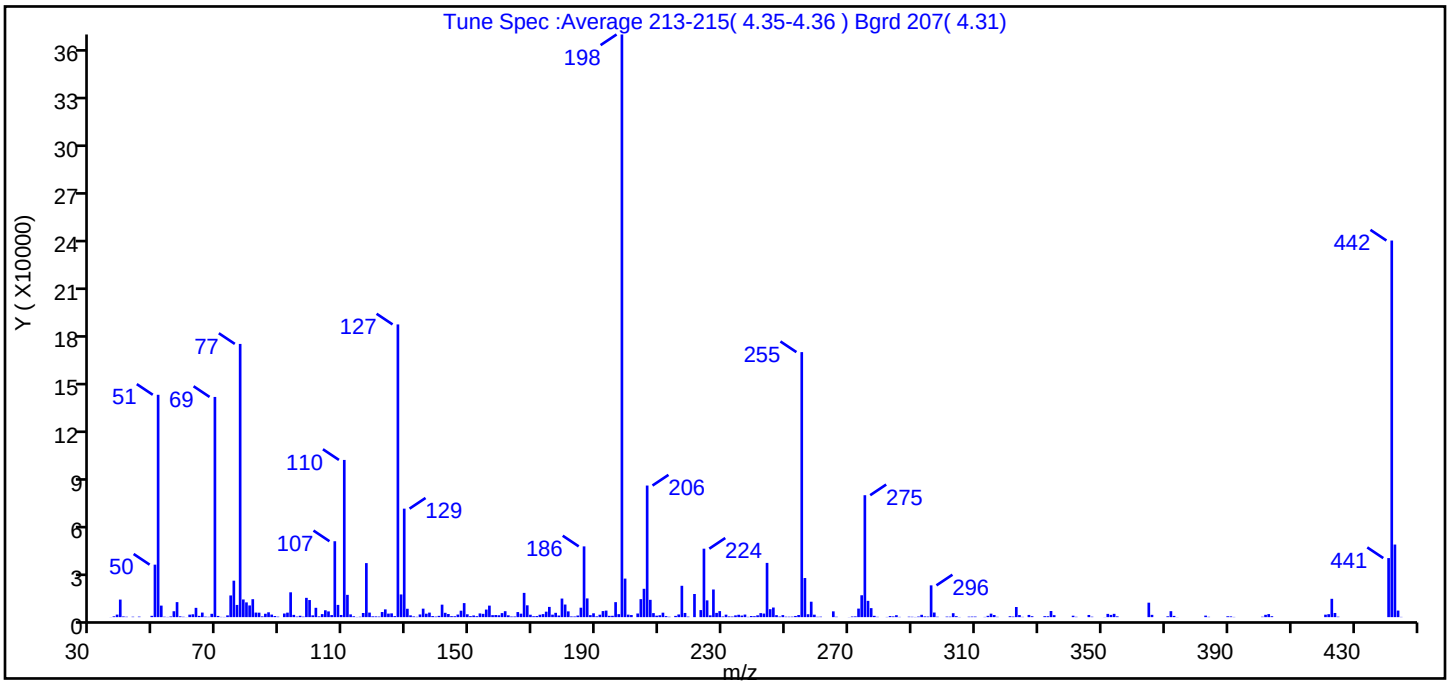
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D
Injection Date: 27-Dec-2019 19:44:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (154.7)
51	10-80% of the base peak	38.2
68	<2% of mass 69	0.6 (1.5)
69	Present	37.8
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	50.2
197	<2% of mass 198	0.5
199	5-9% of mass 198	6.6
275	10-60% of the base peak	20.9
365	>1% of mass 198	2.5
441	present but <24% of mass 442	10.1 (15.7)
442	base peak, or >50% of 198	64.6
443	15-24% of mass 442	12.5 (19.3)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D\8270LVI_16.rslt\spectra.d
Injection Date: 27-Dec-2019 19:44:30
Spectrum: Tune Spec :Average 213-215(4.35-4.36) Bgrd 207(4.31)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 302

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	63	118.00	2831	194.00	817	279.00	202
37.00	523	119.00	500	195.00	843	282.00	123
38.00	1582	120.00	463	196.00	9359	283.00	669
39.00	10960	121.00	364	197.00	1860	284.00	467
40.00	439	122.00	3188	198.00	363584	285.00	1214
41.00	257	123.00	4847	199.00	24056	286.00	157
43.00	272	124.00	2204	200.00	1561	289.00	296
45.00	328	125.00	2361	201.00	1312	290.00	225
49.00	825	126.00	641	203.00	2276	291.00	115
50.00	32752	127.00	182656	204.00	11222	292.00	371
51.00	138752	128.00	14164	205.00	17688	293.00	1458
52.00	7197	129.00	67704	206.00	82120	294.00	436
53.00	262	130.00	5227	207.00	10801	295.00	358
54.00	128	131.00	1123	208.00	2514	296.00	19832
55.00	420	132.00	456	209.00	917	297.00	2874
56.00	3691	133.00	220	210.00	1185	298.00	267
57.00	9376	134.00	1677	211.00	2786	301.00	339
58.00	487	135.00	5299	212.00	627	302.00	290
59.00	236	136.00	2151	213.00	235	303.00	2460
60.00	53	137.00	2834	215.00	781	304.00	585
61.00	1559	138.00	662	216.00	1668	305.00	103
62.00	1782	139.00	344	217.00	19568	308.00	299
63.00	5802	140.00	806	218.00	2617	309.00	345
64.00	790	141.00	7791	219.00	339	310.00	354
65.00	2848	142.00	2710	221.00	14443	313.00	138
66.00	323	143.00	1945	223.00	4405	314.00	833
67.00	205	144.00	617	224.00	42720	315.00	2186
68.00	2086	145.00	562	225.00	10472	316.00	1325
69.00	137408	146.00	1613	226.00	1126	317.00	207
70.00	755	147.00	4013	227.00	17264	321.00	554
71.00	156	148.00	8756	228.00	2653	322.00	351
72.00	126	149.00	1781	229.00	3761	323.00	6325
73.00	1099	150.00	643	230.00	413	324.00	1294

Report Date: 27-Dec-2019 21:46:00 Chrom Revision: 2.3 15-Dec-2019 06:20:02
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D\8270LVI_16.rslt\spectra.d
Injection Date: 27-Dec-2019 19:44:30
Spectrum: Tune Spec :Average 213-215(4.35-4.36) Bgrd 207(4.31)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 302

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	13539	151.00	1039	231.00	1552	325.00	177
75.00	22752	152.00	597	232.00	441	327.00	1377
76.00	7619	153.00	2318	233.00	378	328.00	577
77.00	170496	154.00	2057	234.00	1090	332.00	599
78.00	11029	155.00	4724	235.00	1483	333.00	564
79.00	9214	156.00	7195	236.00	990	334.00	3829
80.00	7303	157.00	1245	237.00	1609	335.00	1233
81.00	11206	158.00	1306	238.00	180	341.00	892
82.00	2846	159.00	1161	239.00	710	342.00	214
83.00	2785	160.00	2520	240.00	595	346.00	1355
84.00	482	161.00	3712	241.00	1139	347.00	274
85.00	2119	162.00	1137	242.00	2508	351.00	60
86.00	3018	163.00	394	243.00	2224	352.00	2036
87.00	1589	164.00	402	244.00	33848	353.00	1391
88.00	697	165.00	3171	245.00	4968	354.00	2062
89.00	304	166.00	2171	246.00	6006	355.00	475
91.00	2257	167.00	15141	247.00	1242	365.00	9026
92.00	2809	168.00	7380	248.00	355	366.00	1434
93.00	15504	169.00	1504	249.00	1278	371.00	521
94.00	1411	170.00	565	250.00	281	372.00	3721
95.00	347	171.00	674	251.00	272	373.00	773
96.00	864	172.00	1505	252.00	311	374.00	59
97.00	305	173.00	1894	253.00	737	383.00	953
98.00	12043	174.00	3413	254.00	1324	384.00	208
99.00	10667	175.00	6389	255.00	165376	390.00	552
100.00	1105	176.00	1543	256.00	24408	391.00	455
101.00	5827	177.00	2700	257.00	1813	392.00	132
102.00	457	178.00	1002	258.00	9631	401.00	267
103.00	1896	179.00	11601	259.00	1529	402.00	1453
104.00	4290	180.00	7873	260.00	223	403.00	1906
105.00	3583	181.00	3610	261.00	291	404.00	582
106.00	1281	182.00	437	264.00	4	421.00	1550
107.00	47368	183.00	405	265.00	3620	422.00	1844
108.00	7641	184.00	1002	266.00	251	423.00	11438

Report Date: 27-Dec-2019 21:46:00 Chrom Revision: 2.3 15-Dec-2019 06:20:02
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D\8270LVI_16.rslt\spectra.d
Injection Date: 27-Dec-2019 19:44:30
Spectrum: Tune Spec :Average 213-215(4.35-4.36) Bgrd 207(4.31)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 302

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	1346	185.00	5884	270.00	70	424.00	2600
110.00	98104	186.00	44152	271.00	403	425.00	284
111.00	13910	187.00	11683	272.00	466	441.00	36856
112.00	1716	188.00	1254	273.00	5332	442.00	235008
113.00	543	189.00	2410	274.00	13651	443.00	45304
114.00	122	190.00	484	275.00	76088	444.00	4108
115.00	267	191.00	1511	276.00	10165	445.00	149
116.00	2585	192.00	3782	277.00	5624		
117.00	33720	193.00	4081	278.00	816		

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D
Injection Date: 27-Dec-2019 19:44:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

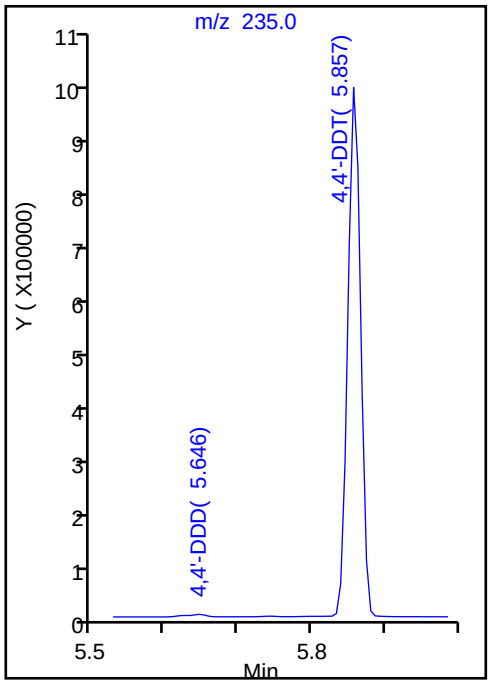
127 4,4'-DDT, Detector: MS SCAN

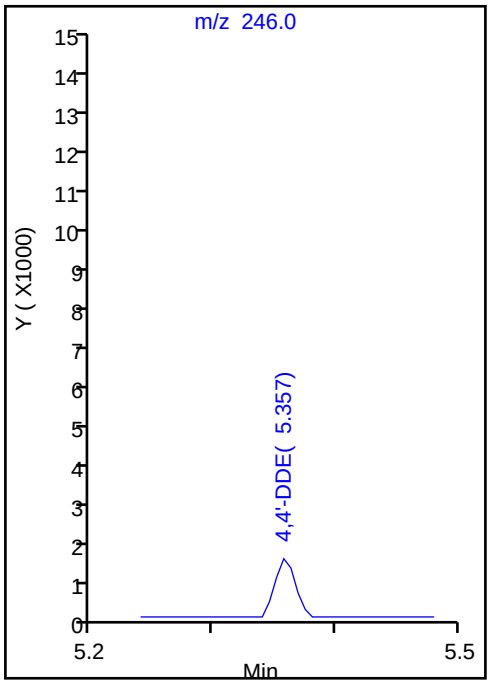
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 1121404
126 4,4'-DDD, Area = 6300
125 4,4'-DDE, Area = 1711

%Breakdown: 0.71%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

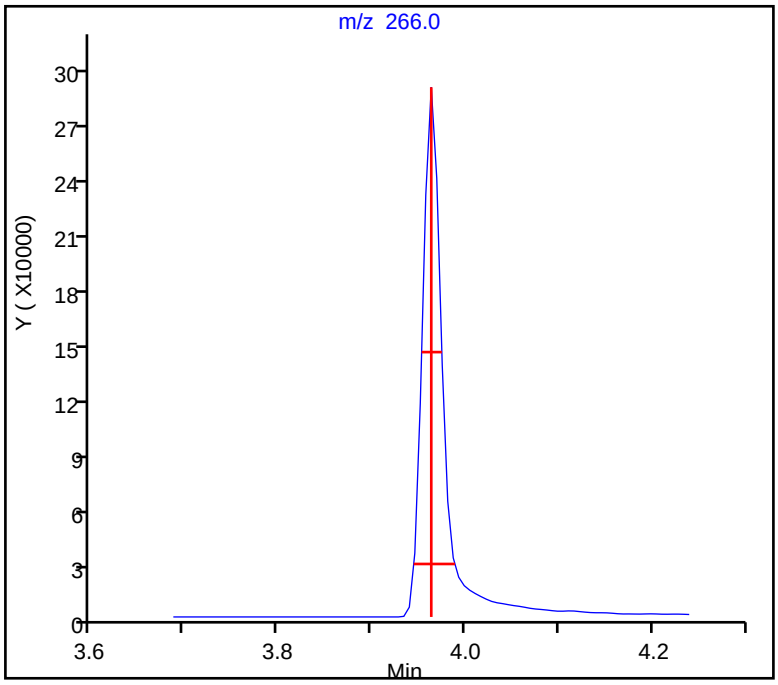
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D
Injection Date: 27-Dec-2019 19:44:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.025 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

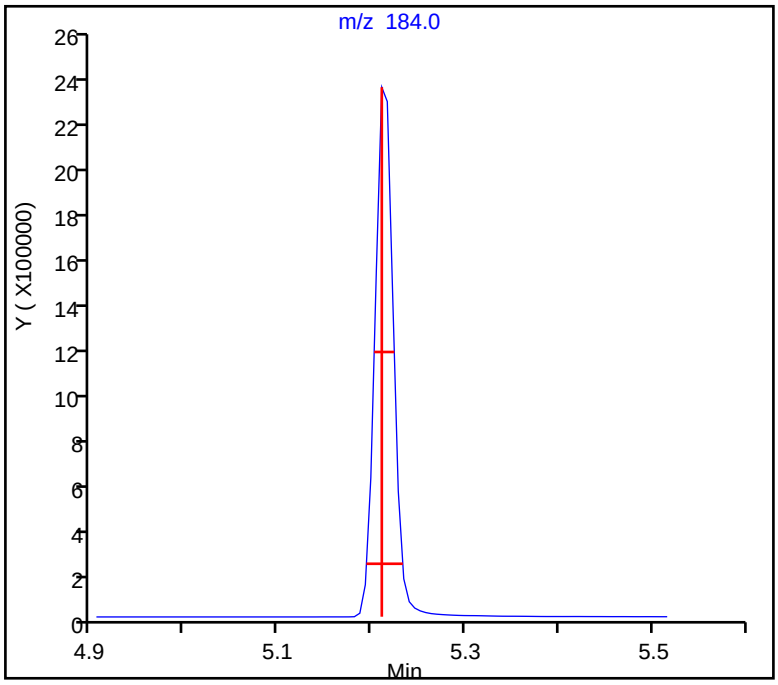
Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167234.D
Injection Date: 27-Dec-2019 19:44:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665354/1-A

Matrix: Water Lab File ID: A167242.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665354/1-A

Matrix: Water Lab File ID: A167242.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665354/1-A

Matrix: Water Lab File ID: A167242.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		26-139
321-60-8	2-Fluorobiphenyl	84		45-107
367-12-4	2-Fluorophenol (Surr)	58		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	97		51-108
4165-62-2	Phenol-d5 (Surr)	43	X	14-39
1718-51-0	Terphenyl-d14 (Surr)	105		40-148

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665354/1-A

Matrix: Water Lab File ID: A167242.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167242.D
Lims ID: MB 460-665354/1-A
Client ID:
Sample Type: MB
Inject. Date: 27-Dec-2019 22:42:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-009
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 27-Dec-2019 23:05:40 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: hamziy Date: 27-Dec-2019 23:05:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.675	-0.012	97	671060	10.0	5.79	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	586600	10.0	4.31	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	97	603292	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.387	-0.005	87	1142098	10.0	9.70	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	2393030	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.116	6.111	0.000	98	1827731	10.0	8.39	
* 64 Acenaphthene-d10	164	6.734	6.739	-0.005	95	1112332	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.481	7.480	-0.005	91	205267	10.0	9.21	
58 1-Naphthylamine	143	8.122	8.109	0.006	42	873		NC	
* 87 Phenanthrene-d10	188	8.122	8.128	-0.006	99	1682892	8.00	8.00	
$ 96 Terphenyl-d14	244	9.639	9.639	0.000	98	1340190	10.0	10.5	
* 102 Chrysene-d12	240	10.633	10.633	0.000	98	944706	8.00	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	972548	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

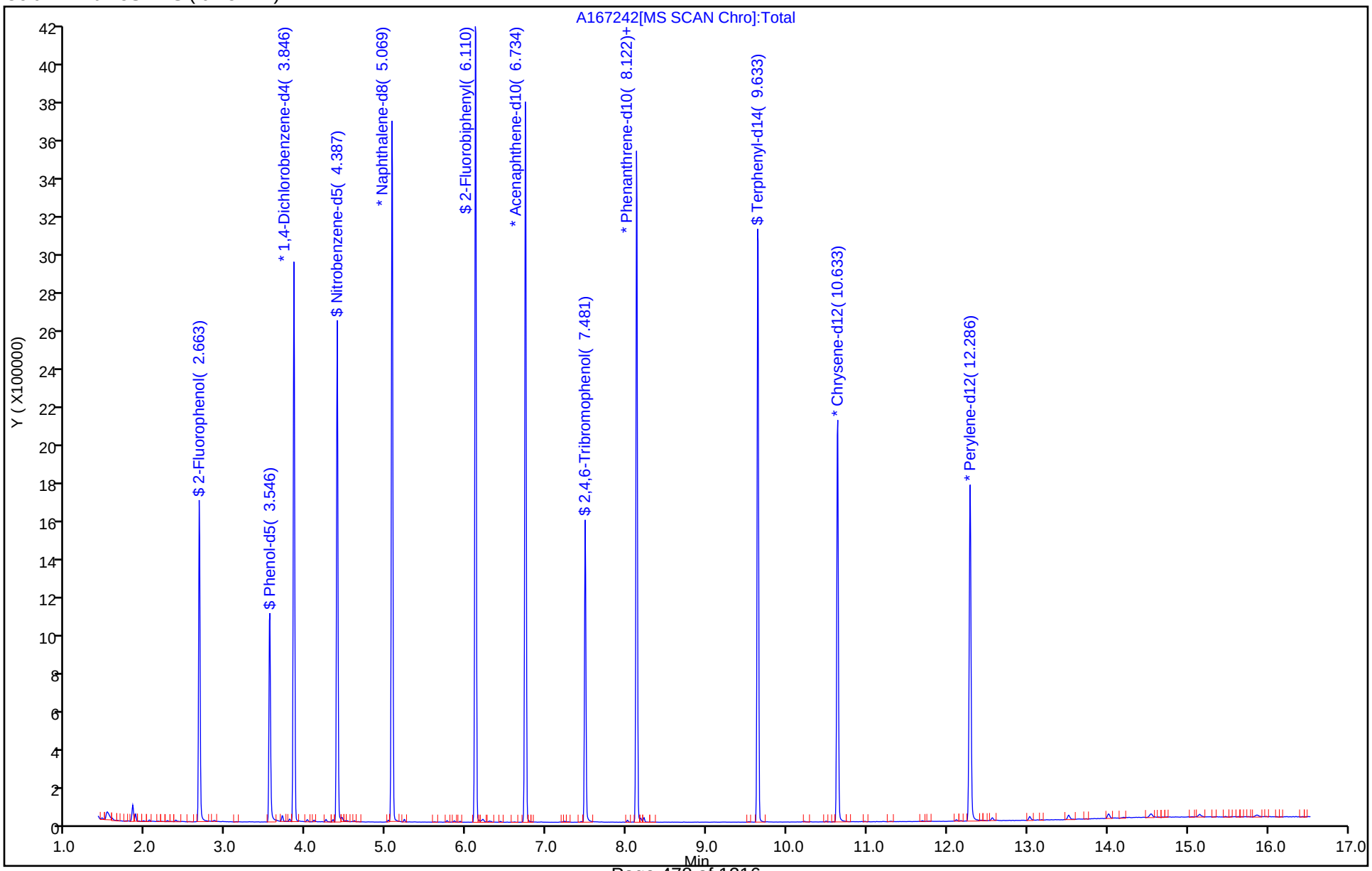
Report Date: 27-Dec-2019 23:05:40 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167242.D

Injection Date:	27-Dec-2019 22:42:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	MB 460-665354/1-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



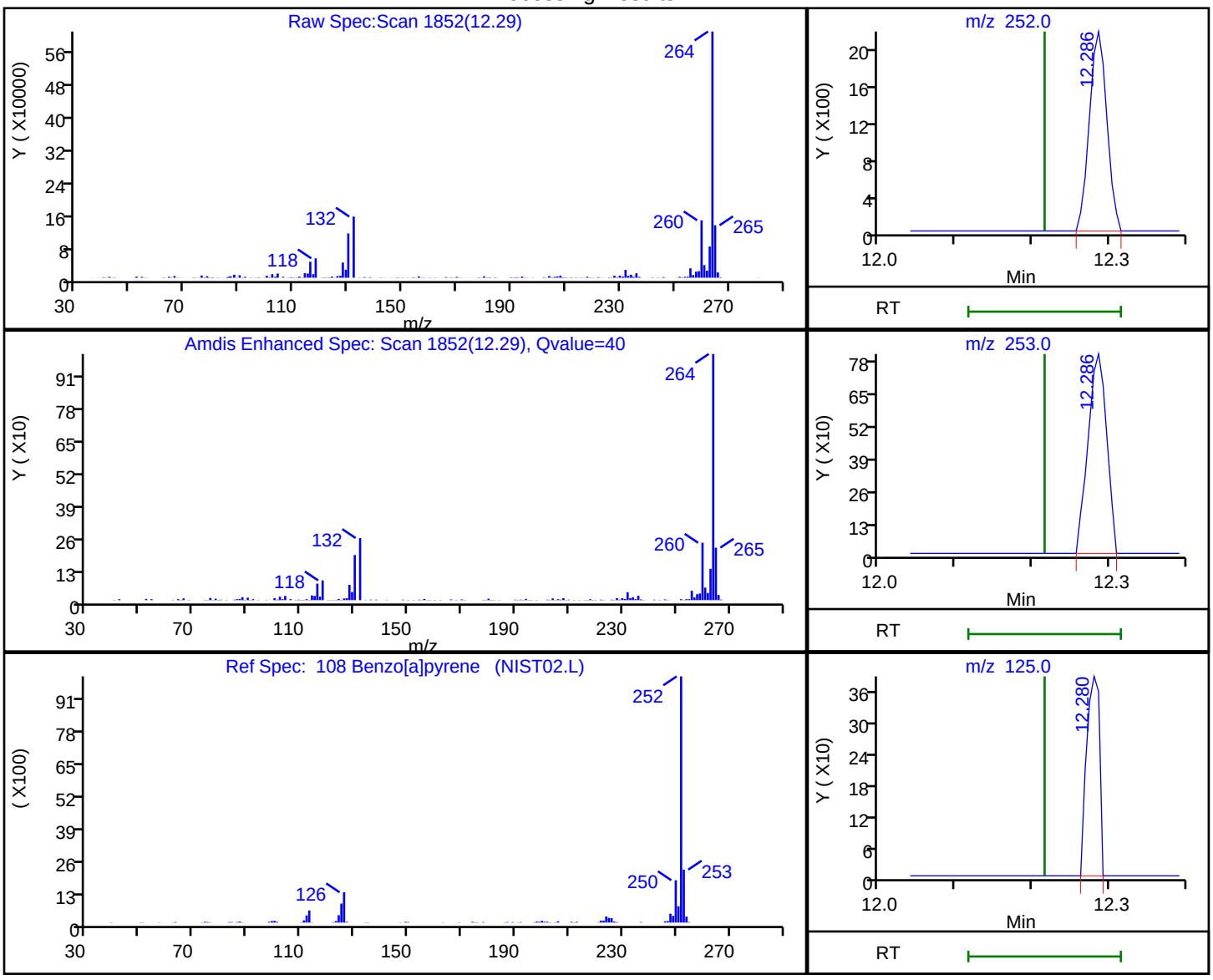
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167242.D				
Injection Date:	27-Dec-2019 22:42:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-665354/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.29	252.00	3371	0.024328
12.29	253.00	1372	
12.28	125.00	449	

Reviewer: hamziy, 27-Dec-2019 23:05:26

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

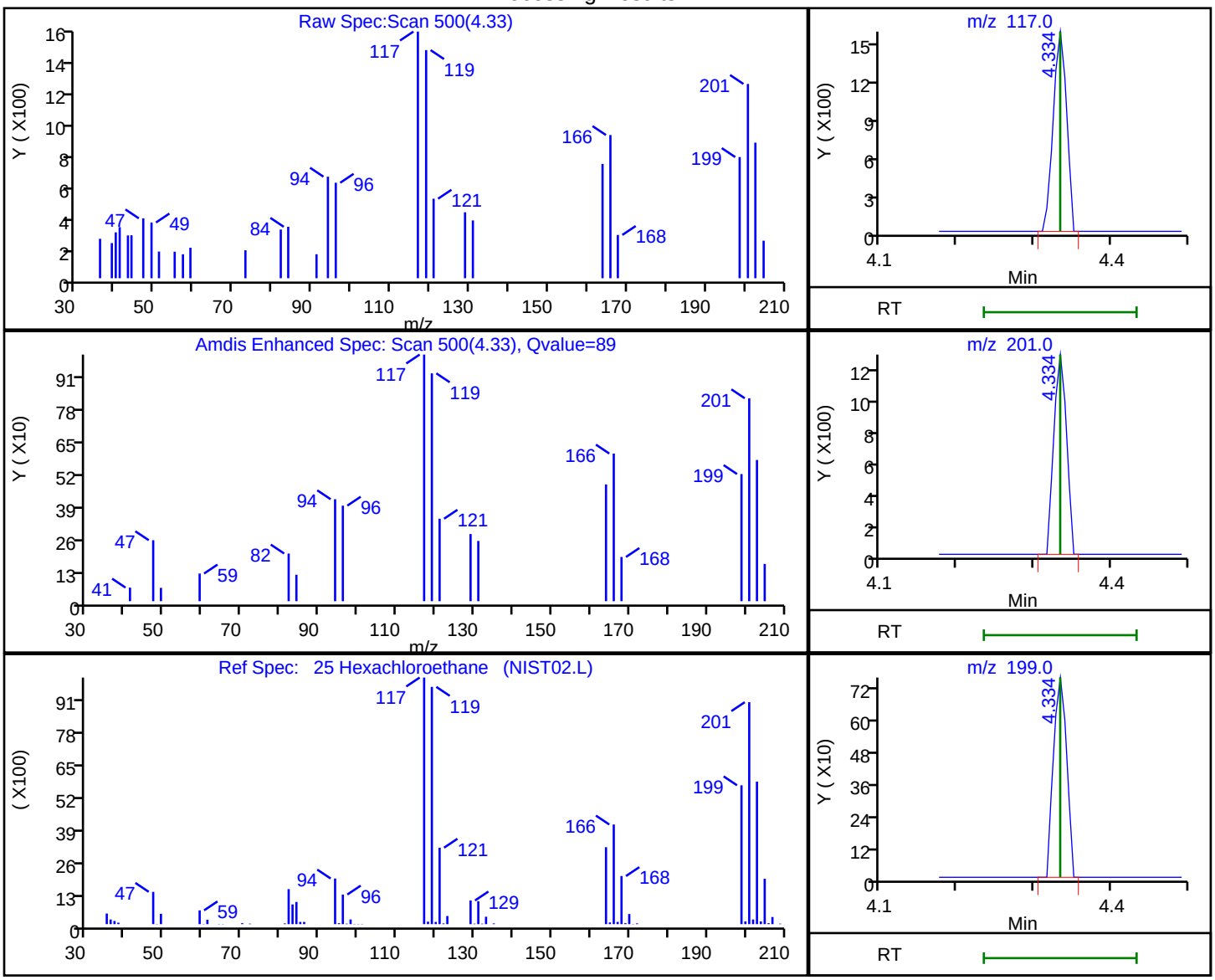
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167242.D				
Injection Date:	27-Dec-2019 22:42:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-665354/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

25 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
4.33	117.00	1878	0.043038
4.33	201.00	1402	
4.33	199.00	911	

Reviewer: hamziy, 27-Dec-2019 23:05:16

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665221/1-B

Matrix: Water Lab File ID: A167243.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665221/1-B

Matrix: Water Lab File ID: A167243.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665221/1-B

Matrix: Water Lab File ID: A167243.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	79		26-139
321-60-8	2-Fluorobiphenyl	87		45-107
367-12-4	2-Fluorophenol (Surr)	41		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	102		51-108
4165-62-2	Phenol-d5 (Surr)	37		14-39
1718-51-0	Terphenyl-d14 (Surr)	112		40-148

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665221/1-B

Matrix: Water Lab File ID: A167243.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167243.D
Lims ID: LB 460-665221/1-B
Client ID:
Sample Type: LB
Inject. Date: 27-Dec-2019 23:03:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-010
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 27-Dec-2019 23:32:36 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: hamziy Date: 27-Dec-2019 23:32:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.675	-0.012	97	418484	10.0	4.08	
$ 6 Phenol-d5	99	3.540	3.551	-0.011	0	445744	10.0	3.70	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	98	533678	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.387	-0.005	87	1027614	10.0	10.2	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	2054276	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.116	6.110	0.000	98	1652629	10.0	8.69	
* 64 Acenaphthene-d10	164	6.734	6.739	-0.005	95	971454	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.481	7.480	-0.005	91	153119	10.0	7.87	
58 1-Naphthylamine	143	8.122	8.109	0.006	43	704		NC	
* 87 Phenanthrene-d10	188	8.122	8.128	-0.006	99	1464592	8.00	8.00	
$ 96 Terphenyl-d14	244	9.633	9.634	-0.006	98	1209797	10.0	11.2	
* 102 Chrysene-d12	240	10.627	10.633	-0.006	98	804970	8.00	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	833161	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

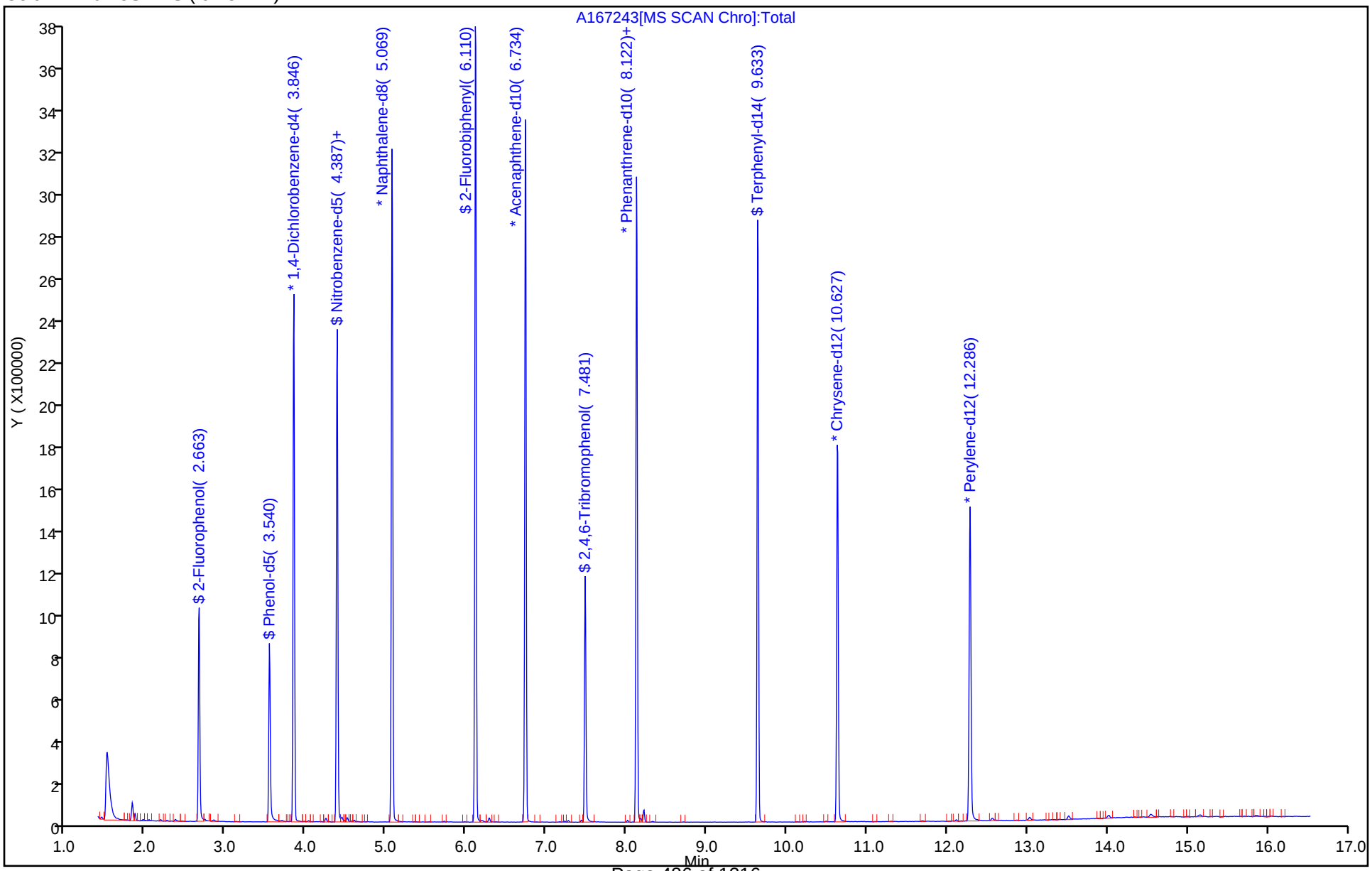
Report Date: 27-Dec-2019 23:32:36 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167243.D

Injection Date:	27-Dec-2019 23:03:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LB 460-665221/1-B			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



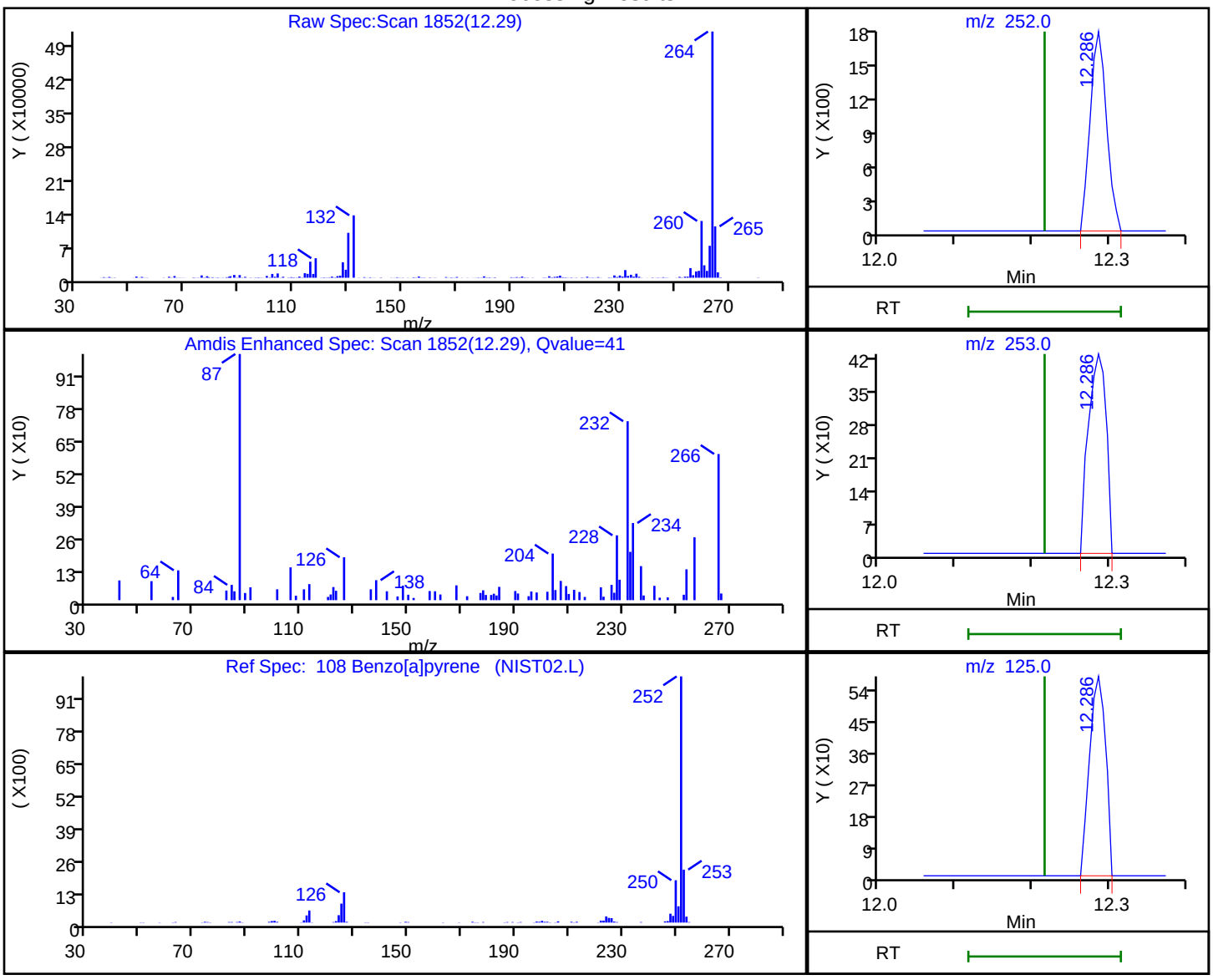
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167243.D				
Injection Date:	27-Dec-2019 23:03:30	Instrument ID:	CBNAMS16		
Lims ID:	LB 460-665221/1-B				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.29	252.00	2614	0.022021
12.29	253.00	694	
12.29	125.00	833	

Reviewer: hamziy, 27-Dec-2019 23:29:31

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665213/1-B

Matrix: Water Lab File ID: A167245.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:45

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665213/1-B

Matrix: Water Lab File ID: A167245.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:45

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665213/1-B

Matrix: Water Lab File ID: A167245.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:45

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101		26-139
321-60-8	2-Fluorobiphenyl	93		45-107
367-12-4	2-Fluorophenol (Surr)	52		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	105		51-108
4165-62-2	Phenol-d5 (Surr)	36		14-39
1718-51-0	Terphenyl-d14 (Surr)	110		40-148

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 460-665213/1-B

Matrix: Water Lab File ID: A167245.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 23:45

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167245.D
Lims ID: LB 460-665213/1-B
Client ID:
Sample Type: LB
Inject. Date: 27-Dec-2019 23:45:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-012
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Dec-2019 00:06:29 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: hamziy Date: 28-Dec-2019 00:06:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.669	2.675	-0.006	97	579476	10.0	5.17	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	467635	10.0	3.55	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	97	583371	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.387	-0.005	87	1205262	10.0	10.5	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	2328513	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.116	6.111	0.000	98	1962029	10.0	9.26	
* 64 Acenaphthene-d10	164	6.734	6.739	-0.005	95	1081924	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.481	7.480	-0.005	91	217870	10.0	10.1	
58 1-Naphthylamine	143	8.122	8.109	0.006	43	832		NC	
* 87 Phenanthrene-d10	188	8.122	8.128	-0.006	99	1624617	8.00	8.00	
$ 96 Terphenyl-d14	244	9.633	9.639	-0.006	98	1357464	10.0	11.0	
* 102 Chrysene-d12	240	10.633	10.633	0.000	98	915780	8.00	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	898150	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

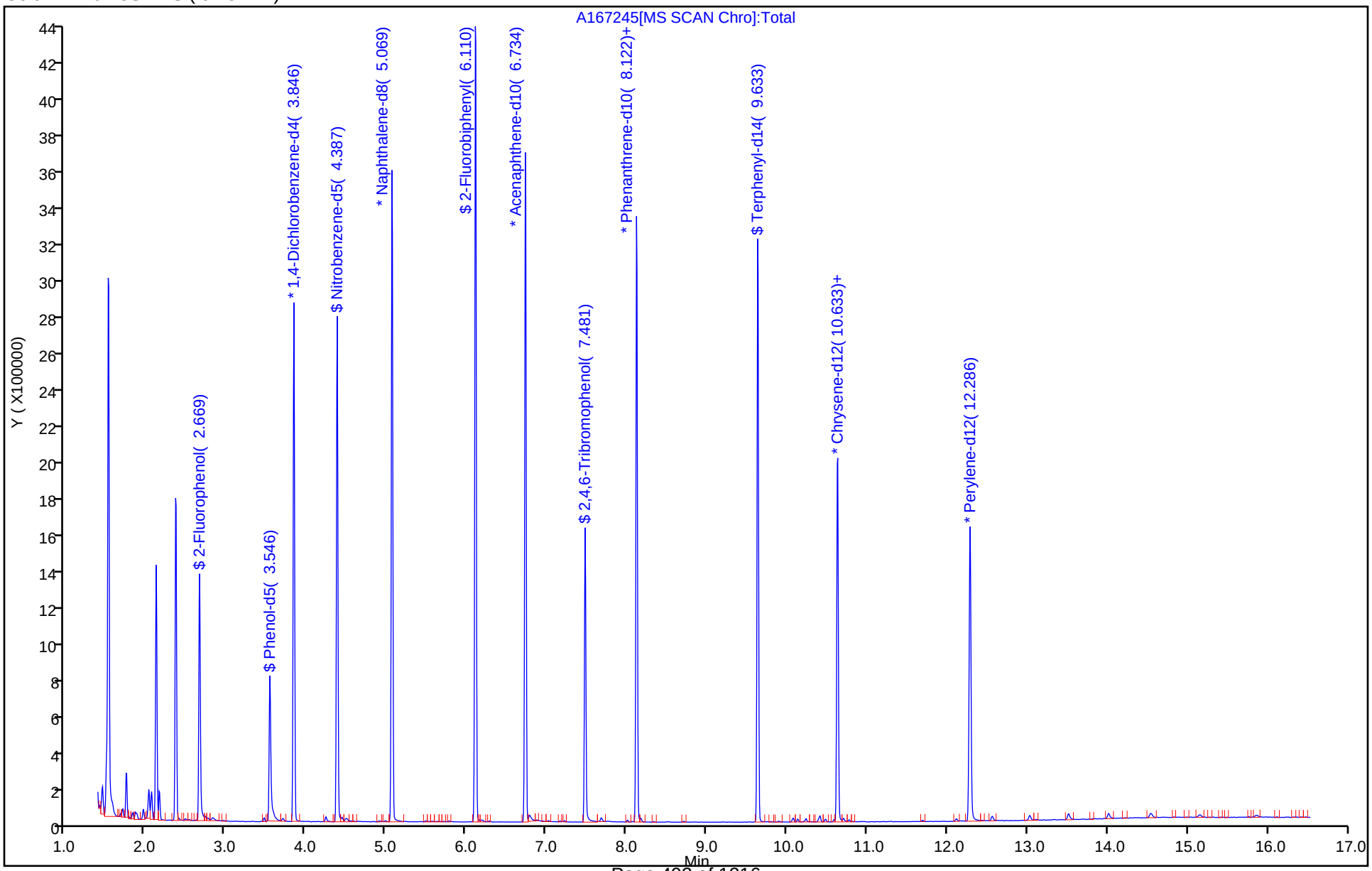
Report Date: 28-Dec-2019 00:06:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167245.D

Injection Date:	27-Dec-2019 23:45:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LB 460-665213/1-B			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



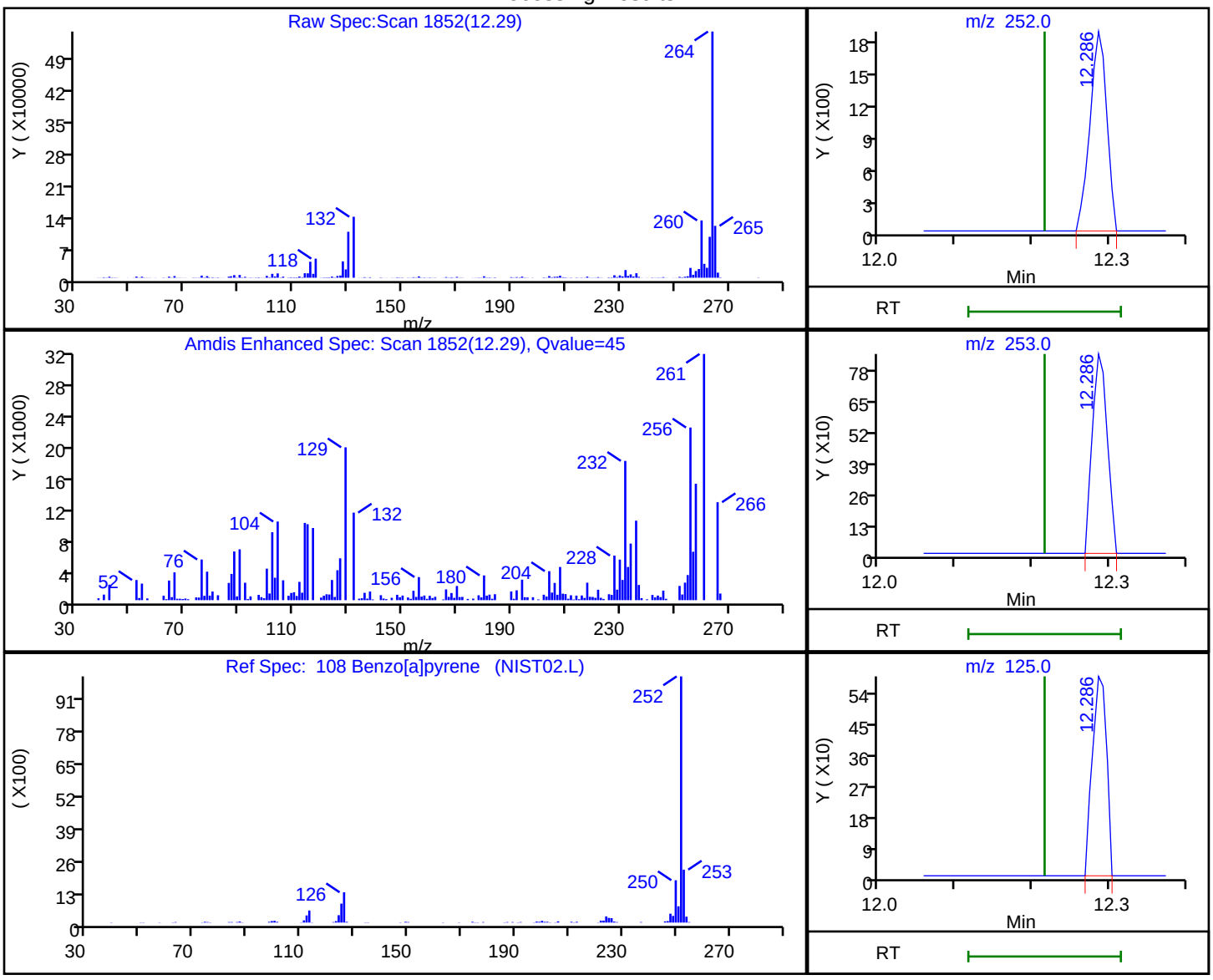
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167245.D				
Injection Date:	27-Dec-2019 23:45:30	Instrument ID:	CBNAMS16		
Lims ID:	LB 460-665213/1-B				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.29	252.00	2832	0.022131
12.29	253.00	1151	
12.29	125.00	754	

Reviewer: hamziy, 28-Dec-2019 00:06:11

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

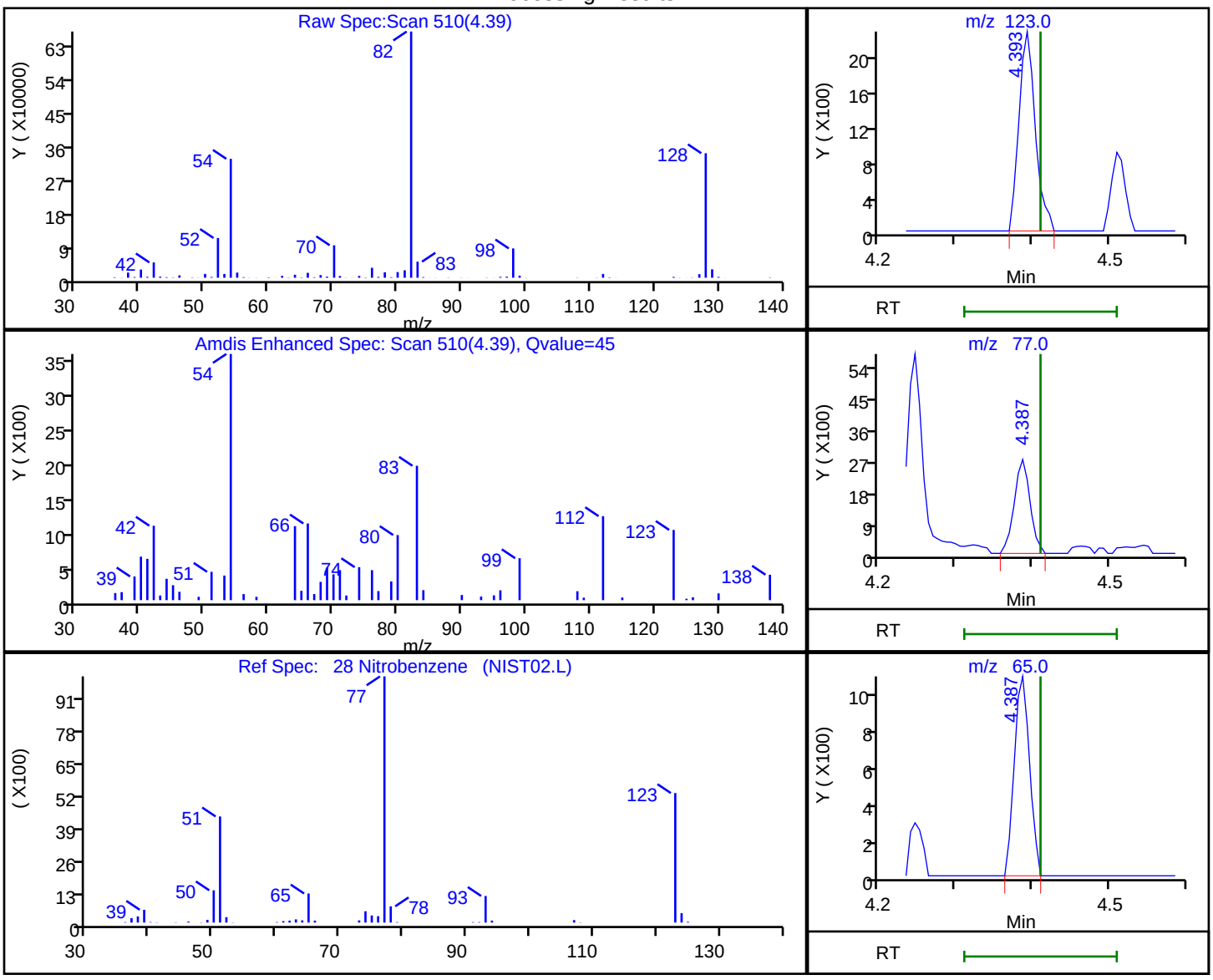
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167245.D
Injection Date: 27-Dec-2019 23:45:30 Instrument ID: CBNAMS16
Lims ID: LB 460-665213/1-B
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

28 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.39	123.00	3396	0.065997
4.39	77.00	3936	
4.39	65.00	1494	

Reviewer: hamziy, 28-Dec-2019 00:06:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665354/2-A

Matrix: Water Lab File ID: A167238.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 21:18

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	70.2		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	67.0		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	76.5		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	70.5		10	0.75
95-95-4	2,4,5-Trichlorophenol	71.0		10	0.88
88-06-2	2,4,6-Trichlorophenol	74.1		10	0.86
120-83-2	2,4-Dichlorophenol	71.4		10	1.1
105-67-9	2,4-Dimethylphenol	68.5		10	0.62
51-28-5	2,4-Dinitrophenol	132		20	14
121-14-2	2,4-Dinitrotoluene	77.7		2.0	1.0
606-20-2	2,6-Dinitrotoluene	75.8		2.0	0.83
91-58-7	2-Chloronaphthalene	67.7		10	1.2
95-57-8	2-Chlorophenol	65.5		10	0.38
91-57-6	2-Methylnaphthalene	66.4		10	1.1
95-48-7	2-Methylphenol	56.6		10	0.67
88-74-4	2-Nitroaniline	73.8		10	0.47
88-75-5	2-Nitrophenol	73.6		10	0.75
91-94-1	3,3'-Dichlorobenzidine	71.5		10	1.4
99-09-2	3-Nitroaniline	62.1		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	154		20	13
101-55-3	4-Bromophenyl phenyl ether	76.8		10	0.75
59-50-7	4-Chloro-3-methylphenol	69.5		10	0.58
106-47-8	4-Chloroaniline	54.0		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	74.2		10	1.3
106-44-5	4-Methylphenol	57.5		10	0.65
100-01-6	4-Nitroaniline	64.1		10	1.2
100-02-7	4-Nitrophenol	60.9		20	4.0
83-32-9	Acenaphthene	75.1		10	1.1
208-96-8	Acenaphthylene	71.5		10	0.82
98-86-2	Acetophenone	76.8		10	2.3
120-12-7	Anthracene	75.6		10	0.63
56-55-3	Benzo[a]anthracene	78.0		1.0	0.59
50-32-8	Benzo[a]pyrene	67.7		1.0	0.41
205-99-2	Benzo[b]fluoranthene	74.0		2.0	0.68

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665354/2-A

Matrix: Water Lab File ID: A167238.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 21:18

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	76.7		10	1.4
207-08-9	Benzo[k]fluoranthene	73.2		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	77.7		10	0.59
111-44-4	Bis(2-chloroethyl)ether	74.5		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	86.4		2.0	1.7
85-68-7	Butyl benzyl phthalate	80.4		10	0.85
86-74-8	Carbazole	73.7		10	0.68
218-01-9	Chrysene	82.5		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	79.6		1.0	0.72
132-64-9	Dibenzofuran	75.6		10	1.1
84-66-2	Diethyl phthalate	70.9		10	0.98
131-11-3	Dimethyl phthalate	72.1		10	0.77
84-74-2	Di-n-butyl phthalate	76.3		10	0.84
117-84-0	Di-n-octyl phthalate	74.9		10	4.8
206-44-0	Fluoranthene	71.7		10	0.84
86-73-7	Fluorene	74.7		10	0.91
118-74-1	Hexachlorobenzene	76.8		1.0	0.40
87-68-3	Hexachlorobutadiene	40.3		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	55.4		10	3.6
67-72-1	Hexachloroethane	34.7		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	78.4		2.0	0.94
78-59-1	Isophorone	75.0		10	0.80
91-20-3	Naphthalene	62.5		10	1.1
98-95-3	Nitrobenzene	75.6		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	78.3		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	75.8		10	0.89
87-86-5	Pentachlorophenol	150		20	1.4
85-01-8	Phenanthrene	75.5		10	0.58
108-95-2	Phenol	30.5		10	0.29
129-00-0	Pyrene	80.6		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665354/2-A

Matrix: Water Lab File ID: A167238.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 21:18

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	98		26-139
321-60-8	2-Fluorobiphenyl	96		45-107
367-12-4	2-Fluorophenol (Surr)	58		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	103		51-108
4165-62-2	Phenol-d5 (Surr)	41	X	14-39
1718-51-0	Terphenyl-d14 (Surr)	117		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167238.D
Lims ID: LCS 460-665354/2-A
Client ID:
Sample Type: LCS
Inject. Date: 27-Dec-2019 21:18:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-005
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 30-Dec-2019 08:17:44 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: zhaoc Date: 30-Dec-2019 08:19:44

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	1.510	1.534	-0.024	95	160733	10.0	4.64	
2 N-Nitrosodimethylamine	74	1.681	1.704	-0.023	89	266209	10.0	4.73	
3 Pyridine	79	1.710	1.728	-0.018	93	516672	20.0	6.79	
$ 4 2-Fluorophenol	112	2.669	2.675	-0.006	97	545371	10.0	5.78	
8 Aniline	93	3.540	3.540	0.000	100	688627	10.0	4.82	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	454309	10.0	4.11	
7 Phenol	94	3.557	3.563	-0.006	99	497171	10.0	3.81	
9 Bis(2-chloroethyl)ether	93	3.598	3.598	0.000	99	888421	10.0	9.31	
10 Benzonitrile	103	3.610	3.610	0.000	98	1768655	NC	NC	
11 2-Chlorophenol	128	3.657	3.663	-0.006	96	793092	10.0	8.18	
12 n-Decane	43	3.704	3.704	0.000	91	324354	10.0	3.35	
13 1,3-Dichlorobenzene	146	3.793	3.792	0.001	95	511814	10.0	5.13	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.851	-0.005	97	490370	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.863	3.863	0.000	95	541670	10.0	5.37	
16 Benzyl alcohol	108	4.004	4.004	0.000	93	408972	10.0	7.32	
17 1,2-Dichlorobenzene	146	4.010	4.010	0.000	96	540264	10.0	5.86	
19 2,2'-oxybis[1-chloropropan	45	4.122	4.122	0.000	94	1177309	10.0	9.57	
18 2-Methylphenol	108	4.140	4.140	0.000	90	607482	10.0	7.08	
20 N-Methylaniline	106	4.240	4.239	0.001	97	1122628	10.0	8.72	
21 Acetophenone	105	4.246	4.245	0.001	92	1157996	10.0	9.60	
22 N-Nitrosodi-n-propylamine	70	4.257	4.257	0.000	90	601155	10.0	9.79	
24 4-Methylphenol	108	4.293	4.292	0.001	94	631286	10.0	7.19	
23 3 & 4 Methylphenol	108	4.293	4.292	0.001	97	643395	10.0	7.11	
25 Hexachloroethane	117	4.334	4.334	0.000	93	153763	10.0	4.34	
$ 27 Nitrobenzene-d5	82	4.393	4.392	0.001	91	986160	10.0	10.3	
28 Nitrobenzene	123	4.410	4.410	0.000	96	408955	10.0	9.45	
29 n,n'-Dimethylaniline	120	4.410	4.416	-0.006	97	1162001	10.0	8.87	
30 Isophorone	82	4.640	4.639	0.001	100	1607429	10.0	9.38	
32 2-Nitrophenol	139	4.716	4.716	0.000	92	444116	10.0	9.21	
33 2,4-Dimethylphenol	122	4.793	4.798	-0.005	92	683702	10.0	8.56	
34 Bis(2-chloroethoxy)methane	93	4.863	4.863	0.000	99	989308	10.0	9.71	
35 Benzoic acid	122	4.910	4.939	-0.029	88	225540	10.0	4.33	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.969	4.969	0.000	96	613582	10.0	8.93	
37 1,2,4-Trichlorobenzene	180	5.028	5.028	0.000	94	449750	10.0	6.28	
* 38 Naphthalene-d8	136	5.075	5.075	0.000	99	1947570	8.00	8.00	
39 Naphthalene	128	5.093	5.092	0.000	99	2027761	10.0	7.81	
40 4-Chloroaniline	127	5.169	5.169	0.000	97	695344	10.0	6.75	
41 Hexachlorobutadiene	225	5.228	5.228	0.000	92	168659	10.0	5.03	
43 4-Chloro-3-methylphenol	107	5.669	5.669	0.000	97	602611	10.0	8.69	
44 2-Methylnaphthalene	142	5.757	5.757	0.000	86	1352530	10.0	8.30	
45 1-Methylnaphthalene	142	5.851	5.851	0.000	93	1274827	10.0	8.46	
46 Hexachlorocyclopentadiene	237	5.916	5.916	0.000	95	204746	10.0	6.93	
47 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	0.000	95	458846	10.0	8.37	
48 2-tertbutyl-4-methylphenol	149	5.987	5.986	0.001	89	894639	10.0	9.33	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	87	378740	10.0	9.26	
50 2,4,5-Trichlorophenol	196	6.087	6.092	-0.005	95	388176	10.0	8.87	
$ 51 2-Fluorobiphenyl	172	6.116	6.116	0.000	98	1636126	10.0	9.65	
52 1,1'-Biphenyl	154	6.204	6.204	0.000	96	1551108	10.0	8.77	
53 2-Chloronaphthalene	162	6.216	6.216	0.000	98	1145652	10.0	8.46	
54 Phenyl ether	170	6.304	6.310	-0.006	86	852626	10.0	9.35	
55 2-Nitroaniline	65	6.334	6.333	0.001	97	433009	10.0	9.23	
57 1,3-Dimethylnaphthalene	156	6.428	6.428	0.000	91	973331	10.0	8.90	
59 Dimethyl phthalate	163	6.516	6.516	0.000	98	1323336	10.0	9.01	
60 Coumarin	146	6.516	6.516	0.000	79	488092	10.0	9.10	
61 2,6-Dinitrotoluene	165	6.563	6.563	0.000	95	319990	10.0	9.47	
62 Acenaphthylene	152	6.604	6.604	0.000	98	1967688	10.0	8.94	
63 3-Nitroaniline	138	6.722	6.728	-0.006	96	332211	10.0	7.77	
* 64 Acenaphthene-d10	164	6.739	6.739	0.000	96	866091	8.00	8.00	
66 Acenaphthene	154	6.769	6.769	0.000	95	1148283	10.0	9.39	
65 3,5-di-tert-butyl-4-hydrox	205	6.787	6.786	0.001	98	962121	10.0	10.1	
67 2,4-Dinitrophenol	184	6.822	6.828	-0.006	92	340124	20.0	16.5	
70 Dibenzofuran	168	6.934	6.933	0.001	97	1633667	10.0	9.46	
69 2,4-Dinitrotoluene	165	6.939	6.939	0.000	89	386460	10.0	9.71	
68 4-Nitrophenol	65	6.939	6.945	-0.006	96	225851	20.0	7.62	
72 2,3,4,6-Tetrachlorophenol	232	7.069	7.069	0.000	89	267534	10.0	8.81	
73 Diethyl phthalate	149	7.181	7.180	0.001	98	1380187	10.0	8.86	
75 Fluorene	166	7.251	7.257	-0.006	96	1288666	10.0	9.33	
74 4-Chlorophenyl phenyl ethe	204	7.263	7.263	0.000	84	542968	10.0	9.28	
76 4-Nitroaniline	138	7.304	7.304	0.000	89	345075	10.0	8.01	
77 4,6-Dinitro-2-methylphenol	198	7.328	7.328	0.000	86	389649	20.0	19.2	
78 N-Nitrosodiphenylamine	169	7.381	7.380	0.001	72	944495	10.0	9.47	
79 1,2-Diphenylhydrazine	77	7.410	7.410	0.000	99	1476793	10.0	9.71	
$ 80 2,4,6-Tribromophenol	330	7.486	7.486	0.000	91	170227	10.0	9.81	
81 4-Bromophenyl phenyl ether	248	7.716	7.722	-0.006	79	294187	10.0	9.59	
82 Hexachlorobenzene	284	7.775	7.775	0.000	98	309783	10.0	9.60	
84 Pentachlorophenol	266	7.975	7.975	0.000	89	315717	20.0	18.8	
85 Pentachloronitrobenzene	237	7.981	7.980	0.001	83	125784	10.0	9.82	
86 n-Octadecane	57	8.069	8.075	-0.006	91	912147	10.0	11.3	
* 87 Phenanthrene-d10	188	8.128	8.127	0.001	99	1241426	8.00	8.00	
88 Phenanthrene	178	8.151	8.151	0.000	98	1731029	10.0	9.43	
89 Anthracene	178	8.198	8.198	0.000	98	1765621	10.0	9.45	
90 Carbazole	167	8.363	8.363	0.000	96	1632277	10.0	9.21	
91 Di-n-butyl phthalate	149	8.710	8.716	-0.006	99	2017854	10.0	9.53	
92 Fluoranthene	202	9.263	9.263	0.000	97	1534006	10.0	8.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.410	9.410	0.000	99	239753	10.0	2.43	
94 Pyrene	202	9.469	9.469	0.000	97	1552816	10.0	10.1	
95 Bisphenol-A	213	9.639	9.639	0.000	84	284955	5.00	4.21	a
$ 96 Terphenyl-d14	244	9.639	9.639	0.000	98	1123278	10.0	11.7	
97 Butyl benzyl phthalate	149	10.116	10.116	0.000	97	746137	10.0	10.0	
99 Carbamazepine	193	10.204	10.204	0.000	92	646218	10.0	11.0	
100 3,3'-Dichlorobenzidine	252	10.622	10.621	0.001	99	369218	10.0	8.94	
101 Benzo[a]anthracene	228	10.622	10.627	-0.005	100	1132390	10.0	9.75	
* 102 Chrysene-d12	240	10.633	10.639	-0.006	98	712178	8.00	8.00	
104 Chrysene	228	10.663	10.663	0.000	98	1184592	10.0	10.3	
103 Bis(2-ethylhexyl) phthalat	149	10.710	10.710	0.000	88	1022681	10.0	10.8	
105 Di-n-octyl phthalate	149	11.433	11.433	0.000	97	1635129	10.0	9.36	
106 Benzo[b]fluoranthene	252	11.821	11.827	-0.006	98	1119796	10.0	9.25	
107 Benzo[k]fluoranthene	252	11.857	11.857	0.000	99	1198063	10.0	9.15	
108 Benzo[a]pyrene	252	12.216	12.215	0.001	96	979956	10.0	8.47	
* 109 Perylene-d12	264	12.286	12.292	-0.006	97	812389	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.668	13.668	0.000	98	1219629	10.0	9.80	
111 Dibenz(a,h)anthracene	278	13.704	13.704	0.000	96	1180588	10.0	9.95	
112 Benzo[g,h,i]perylene	276	14.010	14.009	0.001	95	1264288	10.0	9.58	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 08:19:45 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167238.D

Injection Date: 27-Dec-2019 21:18:30 Instrument ID: CBNAMS16 Operator ID:

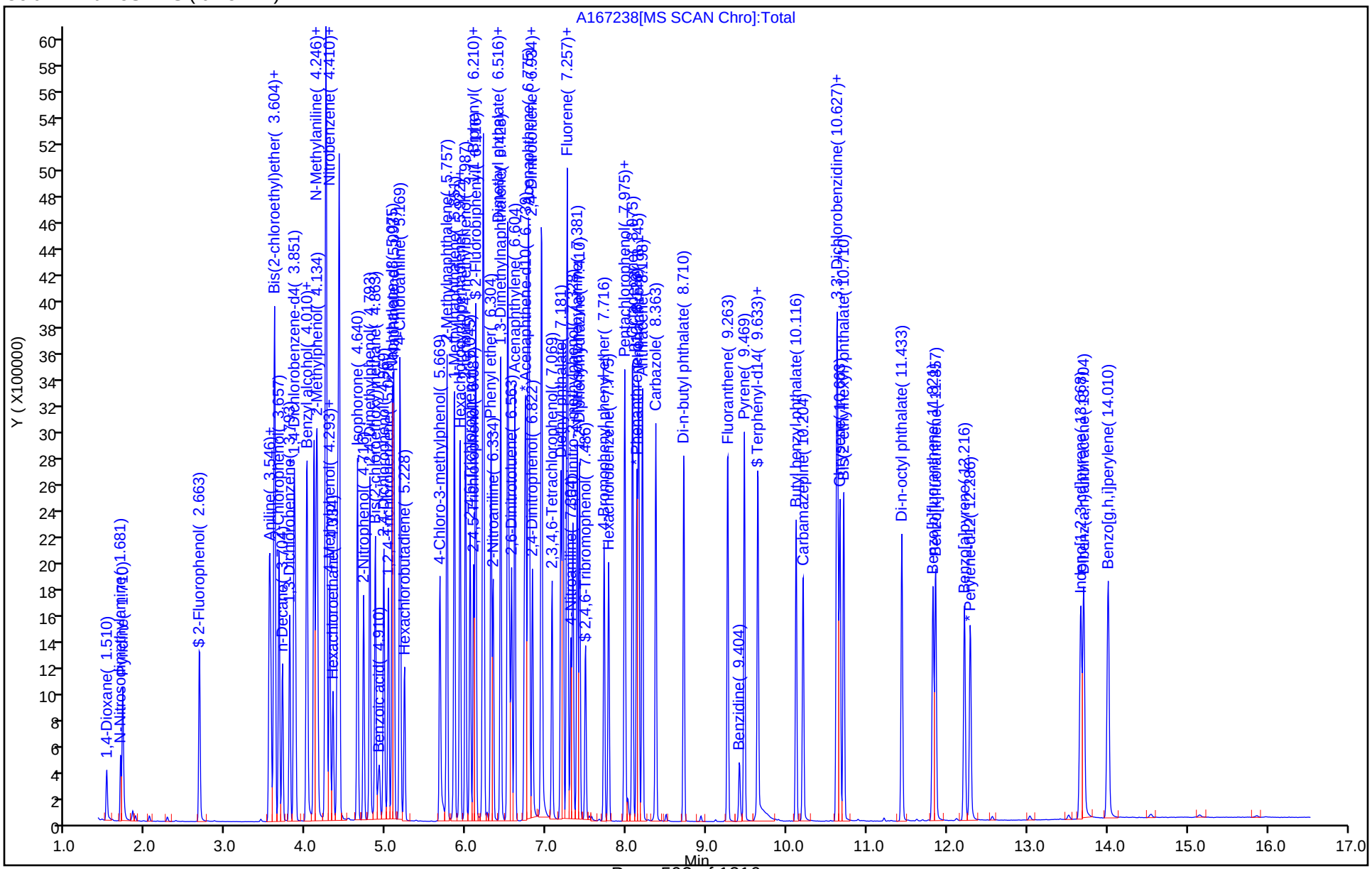
Lims ID: LCS 460-665354/2-A Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665354/4-A

Matrix: Water Lab File ID: A167240.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 22:00

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	150		2.0	1.3
100-52-7	Benzaldehyde	176		10	2.1
105-60-2	Caprolactam	53.4		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	121		26-139
321-60-8	2-Fluorobiphenyl	110	X	45-107
367-12-4	2-Fluorophenol (Surr)	74	X	25-58
4165-60-0	Nitrobenzene-d5 (Surr)	129	X	51-108
4165-62-2	Phenol-d5 (Surr)	54	X	14-39
1718-51-0	Terphenyl-d14 (Surr)	138		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167240.D
Lims ID: LCS 460-665354/4-A
Client ID:
Sample Type: LCS
Inject. Date: 27-Dec-2019 22:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-007
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 27-Dec-2019 20:39:26 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: hamziy Date: 27-Dec-2019 22:41:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.675	-0.012	97	674196	10.0	7.40	
5 Benzaldehyde	77	3.422	3.422	0.000	95	1734020	20.0	22.0	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	574669	10.0	5.37	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.846	0.000	97	474203	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.387	-0.005	87	1208878	10.0	12.9	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	1905069	8.00	8.00	
42 Caprolactam	113	5.469	5.469	-0.006	93	153624	20.0	6.68	
$ 51 2-Fluorobiphenyl	172	6.116	6.111	0.000	98	1953879	10.0	11.0	
* 64 Acenaphthene-d10	164	6.734	6.739	-0.005	95	911230	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.481	7.480	-0.005	91	220666	10.0	12.1	
83 Atrazine	200	7.904	7.893	0.006	90	632051	20.0	18.7	
* 87 Phenanthrene-d10	188	8.122	8.128	-0.006	99	1359643	8.00	8.00	
$ 96 Terphenyl-d14	244	9.639	9.634	0.000	98	1442429	10.0	13.8	
* 102 Chrysene-d12	240	10.627	10.633	-0.006	98	776368	8.00	8.00	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	773617	8.00	8.00	

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

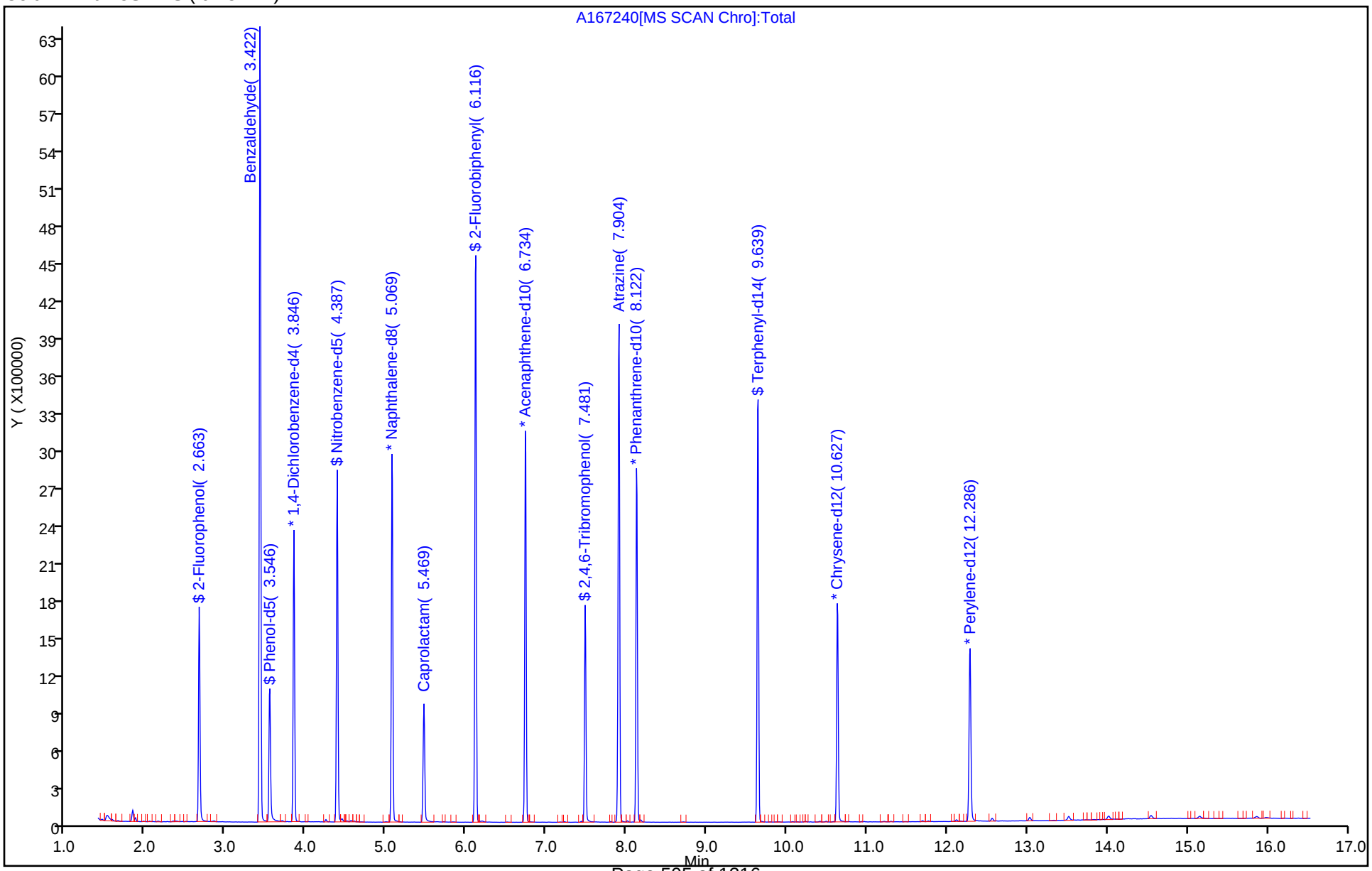
Report Date: 27-Dec-2019 22:41:47 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167240.D

Injection Date:	27-Dec-2019 22:00:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LCS 460-665354/4-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665354/3-A

Matrix: Water Lab File ID: A167239.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 21:39

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	70.7		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	67.6		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	77.5		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	71.9		10	0.75
95-95-4	2,4,5-Trichlorophenol	73.7		10	0.88
88-06-2	2,4,6-Trichlorophenol	74.9		10	0.86
120-83-2	2,4-Dichlorophenol	74.1		10	1.1
105-67-9	2,4-Dimethylphenol	70.0		10	0.62
51-28-5	2,4-Dinitrophenol	137		20	14
121-14-2	2,4-Dinitrotoluene	76.0		2.0	1.0
606-20-2	2,6-Dinitrotoluene	76.0		2.0	0.83
91-58-7	2-Chloronaphthalene	68.5		10	1.2
95-57-8	2-Chlorophenol	66.5		10	0.38
91-57-6	2-Methylnaphthalene	67.5		10	1.1
95-48-7	2-Methylphenol	56.7		10	0.67
88-74-4	2-Nitroaniline	76.6		10	0.47
88-75-5	2-Nitrophenol	75.1		10	0.75
91-94-1	3,3'-Dichlorobenzidine	72.8		10	1.4
99-09-2	3-Nitroaniline	64.8		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	155		20	13
101-55-3	4-Bromophenyl phenyl ether	78.1		10	0.75
59-50-7	4-Chloro-3-methylphenol	71.9		10	0.58
106-47-8	4-Chloroaniline	59.6		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	75.5		10	1.3
106-44-5	4-Methylphenol	58.4		10	0.65
100-01-6	4-Nitroaniline	65.6		10	1.2
100-02-7	4-Nitrophenol	60.5		20	4.0
83-32-9	Acenaphthene	75.5		10	1.1
208-96-8	Acenaphthylene	73.7		10	0.82
98-86-2	Acetophenone	78.0		10	2.3
120-12-7	Anthracene	76.0		10	0.63
56-55-3	Benzo[a]anthracene	77.5		1.0	0.59
50-32-8	Benzo[a]pyrene	66.9		1.0	0.41
205-99-2	Benzo[b]fluoranthene	74.6		2.0	0.68

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665354/3-A

Matrix: Water Lab File ID: A167239.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

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Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	77.3		10	1.4
207-08-9	Benzo[k]fluoranthene	71.4		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	80.6		10	0.59
111-44-4	Bis(2-chloroethyl)ether	73.8		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	85.2		2.0	1.7
85-68-7	Butyl benzyl phthalate	78.6		10	0.85
86-74-8	Carbazole	74.0		10	0.68
218-01-9	Chrysene	80.7		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	79.3		1.0	0.72
132-64-9	Dibenzofuran	75.1		10	1.1
84-66-2	Diethyl phthalate	71.7		10	0.98
131-11-3	Dimethyl phthalate	70.6		10	0.77
84-74-2	Di-n-butyl phthalate	76.0		10	0.84
117-84-0	Di-n-octyl phthalate	73.7		10	4.8
206-44-0	Fluoranthene	71.7		10	0.84
86-73-7	Fluorene	75.2		10	0.91
118-74-1	Hexachlorobenzene	76.3		1.0	0.40
87-68-3	Hexachlorobutadiene	41.2		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	58.4		10	3.6
67-72-1	Hexachloroethane	35.8		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	80.0		2.0	0.94
78-59-1	Isophorone	77.1		10	0.80
91-20-3	Naphthalene	64.0		10	1.1
98-95-3	Nitrobenzene	76.8		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	79.3		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	76.4		10	0.89
87-86-5	Pentachlorophenol	151		20	1.4
85-01-8	Phenanthrene	75.9		10	0.58
108-95-2	Phenol	30.4		10	0.29
129-00-0	Pyrene	79.5		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665354/3-A

Matrix: Water Lab File ID: A167239.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 21:39

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	104		26-139
321-60-8	2-Fluorobiphenyl	100		45-107
367-12-4	2-Fluorophenol (Surr)	60	X	25-58
4165-60-0	Nitrobenzene-d5 (Surr)	111	X	51-108
4165-62-2	Phenol-d5 (Surr)	42	X	14-39
1718-51-0	Terphenyl-d14 (Surr)	117		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167239.D
Lims ID: LCSD 460-665354/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 27-Dec-2019 21:39:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-006
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 27-Dec-2019 21:58:51 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: hamziy Date: 27-Dec-2019 21:58:51

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	1.504	1.534	-0.030	95	161602	10.0	4.48	
2 N-Nitrosodimethylamine	74	1.681	1.704	-0.023	90	286655	10.0	4.90	
3 Pyridine	79	1.704	1.728	-0.024	92	510349	20.0	6.44	
$ 4 2-Fluorophenol	112	2.663	2.675	-0.012	97	586028	10.0	5.97	
8 Aniline	93	3.534	3.539	-0.006	99	802799	10.0	5.40	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	480636	10.0	4.17	
7 Phenol	94	3.557	3.563	-0.006	99	516305	10.0	3.80	
9 Bis(2-chloroethyl)ether	93	3.593	3.598	-0.005	98	916402	10.0	9.22	
10 Benzonitrile	103	3.604	3.610	-0.006	98	1857825	NC	NC	
11 2-Chlorophenol	128	3.657	3.663	-0.006	96	838186	10.0	8.31	
12 n-Decane	43	3.698	3.704	-0.006	91	346489	10.0	3.44	
13 1,3-Dichlorobenzene	146	3.793	3.792	0.001	95	540268	10.0	5.20	
* 14 1,4-Dichlorobenzene-d4	152	3.845	3.846	-0.001	97	510563	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.863	3.863	0.000	95	574340	10.0	5.47	
16 Benzyl alcohol	108	3.998	4.004	-0.006	95	428787	10.0	7.37	
17 1,2-Dichlorobenzene	146	4.010	4.010	0.000	94	566228	10.0	5.90	
19 2,2'-oxybis[1-chloropropan	45	4.122	4.122	0.000	94	1241380	10.0	9.69	
18 2-Methylphenol	108	4.140	4.139	0.000	92	633315	10.0	7.08	
20 N-Methylaniline	106	4.240	4.239	0.001	97	1214302	10.0	9.10	
21 Acetophenone	105	4.245	4.245	0.000	94	1224723	10.0	9.75	
22 N-Nitrosodi-n-propylamine	70	4.251	4.257	-0.006	91	633596	10.0	9.91	
24 4-Methylphenol	108	4.293	4.292	0.001	95	667977	10.0	7.30	
23 3 & 4 Methylphenol	108	4.293	4.292	0.001	97	692966	10.0	7.36	
25 Hexachloroethane	117	4.334	4.334	0.000	93	165043	10.0	4.47	
$ 27 Nitrobenzene-d5	82	4.387	4.392	-0.005	88	1090709	10.0	11.1	
28 Nitrobenzene	123	4.410	4.410	0.000	97	432389	10.0	9.60	
29 n,n'-Dimethylaniline	120	4.410	4.416	-0.006	92	1240317	10.0	9.09	
30 Isophorone	82	4.640	4.639	0.001	99	1695931	10.0	9.64	
32 2-Nitrophenol	139	4.716	4.716	0.000	92	464933	10.0	9.39	
33 2,4-Dimethylphenol	122	4.792	4.798	-0.006	92	716632	10.0	8.75	
34 Bis(2-chloroethoxy)methane	93	4.863	4.863	0.000	98	1053583	10.0	10.1	
35 Benzoic acid	122	4.910	4.939	-0.029	88	234935	10.0	4.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.969	4.969	0.000	96	653204	10.0	9.26	
37 1,2,4-Trichlorobenzene	180	5.022	5.028	-0.006	95	473690	10.0	6.45	
* 38 Naphthalene-d8	136	5.075	5.075	0.000	99	1998740	8.00	8.00	
39 Naphthalene	128	5.092	5.092	0.000	99	2131324	10.0	8.00	
40 4-Chloroaniline	127	5.163	5.169	-0.006	97	787806	10.0	7.45	
41 Hexachlorobutadiene	225	5.228	5.228	0.000	91	177222	10.0	5.15	
43 4-Chloro-3-methylphenol	107	5.669	5.669	0.000	97	639545	10.0	8.99	
44 2-Methylnaphthalene	142	5.757	5.757	0.000	85	1409576	10.0	8.43	
45 1-Methylnaphthalene	142	5.851	5.851	0.000	93	1346141	10.0	8.70	
46 Hexachlorocyclopentadiene	237	5.916	5.916	0.000	95	224550	10.0	7.31	
47 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	0.000	95	481550	10.0	8.45	
48 2-tertbutyl-4-methylphenol	149	5.987	5.986	0.001	90	950342	10.0	9.66	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	87	398304	10.0	9.36	
50 2,4,5-Trichlorophenol	196	6.087	6.092	-0.005	96	419315	10.0	9.21	
$ 51 2-Fluorobiphenyl	172	6.116	6.116	0.000	98	1756405	10.0	9.96	
52 1,1'-Biphenyl	154	6.204	6.204	0.000	96	1624667	10.0	8.83	
53 2-Chloronaphthalene	162	6.216	6.216	0.000	99	1205890	10.0	8.56	
54 Phenyl ether	170	6.304	6.310	-0.006	87	884698	10.0	9.33	
55 2-Nitroaniline	65	6.334	6.333	0.001	97	467575	10.0	9.58	
57 1,3-Dimethylnaphthalene	156	6.428	6.428	0.000	91	1021492	10.0	8.98	
59 Dimethyl phthalate	163	6.516	6.516	0.000	98	1348849	10.0	8.83	
60 Coumarin	146	6.516	6.516	0.000	79	503719	10.0	9.15	
61 2,6-Dinitrotoluene	165	6.563	6.563	0.000	95	333737	10.0	9.50	
62 Acenaphthylene	152	6.604	6.604	0.000	98	2109257	10.0	9.21	
63 3-Nitroaniline	138	6.722	6.728	-0.006	96	360519	10.0	8.10	
* 64 Acenaphthene-d10	164	6.739	6.739	0.000	95	900921	8.00	8.00	
66 Acenaphthene	154	6.769	6.769	0.000	95	1201504	10.0	9.44	
65 3,5-di-tert-butyl-4-hydrox	205	6.786	6.786	0.000	98	1008261	10.0	10.1	
67 2,4-Dinitrophenol	184	6.822	6.827	-0.006	93	368092	20.0	17.2	
70 Dibenzofuran	168	6.934	6.933	0.001	99	1686774	10.0	9.39	
69 2,4-Dinitrotoluene	165	6.939	6.939	0.000	88	393508	10.0	9.50	
68 4-Nitrophenol	65	6.939	6.945	-0.006	96	233252	20.0	7.56	
72 2,3,4,6-Tetrachlorophenol	232	7.069	7.069	0.000	89	283655	10.0	8.98	
73 Diethyl phthalate	149	7.181	7.180	0.001	98	1452424	10.0	8.97	
75 Fluorene	166	7.251	7.257	-0.006	95	1349471	10.0	9.40	
74 4-Chlorophenyl phenyl ethe	204	7.263	7.263	0.000	85	574626	10.0	9.44	
76 4-Nitroaniline	138	7.304	7.304	0.000	90	367468	10.0	8.20	
77 4,6-Dinitro-2-methylphenol	198	7.328	7.327	0.000	81	409999	20.0	19.4	
78 N-Nitrosodiphenylamine	169	7.381	7.380	0.001	73	989558	10.0	9.54	
79 1,2-Diphenylhydrazine	77	7.410	7.410	0.000	100	1647497	10.0	10.4	
$ 80 2,4,6-Tribromophenol	330	7.486	7.486	0.000	91	187659	10.0	10.4	
81 4-Bromophenyl phenyl ether	248	7.722	7.722	0.000	82	311236	10.0	9.76	
82 Hexachlorobenzene	284	7.775	7.775	0.000	97	320237	10.0	9.54	
84 Pentachlorophenol	266	7.975	7.974	0.000	89	328906	20.0	18.8	
85 Pentachloronitrobenzene	237	7.981	7.980	0.001	82	127680	10.0	9.59	
86 n-Octadecane	57	8.069	8.074	-0.006	91	942569	10.0	11.2	
* 87 Phenanthrene-d10	188	8.128	8.128	0.000	99	1290509	8.00	8.00	
88 Phenanthrene	178	8.151	8.151	0.000	98	1810307	10.0	9.49	
89 Anthracene	178	8.198	8.198	0.000	98	1844779	10.0	9.50	
90 Carbazole	167	8.363	8.363	0.000	96	1703817	10.0	9.25	
91 Di-n-butyl phthalate	149	8.710	8.716	-0.006	99	2089737	10.0	9.50	
92 Fluoranthene	202	9.263	9.263	0.000	97	1592970	10.0	8.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.410	9.410	0.000	99	223423	10.0	2.18	
94 Pyrene	202	9.469	9.469	0.000	97	1626355	10.0	9.94	
95 Bisphenol-A	213	9.639	9.639	0.000	89	298521	5.00	4.15	a
$ 96 Terphenyl-d14	244	9.639	9.639	0.000	98	1191468	10.0	11.7	
97 Butyl benzyl phthalate	149	10.116	10.116	0.000	98	775137	10.0	9.83	
99 Carbamazepine	193	10.204	10.204	0.000	93	681126	10.0	10.9	
100 3,3'-Dichlorobenzidine	252	10.622	10.621	0.001	99	398926	10.0	9.10	
101 Benzo[a]anthracene	228	10.622	10.627	-0.005	100	1194820	10.0	9.69	
* 102 Chrysene-d12	240	10.633	10.633	0.000	98	756103	8.00	8.00	
104 Chrysene	228	10.663	10.663	0.000	98	1229666	10.0	10.1	
103 Bis(2-ethylhexyl) phthalat	149	10.710	10.710	0.000	88	1071394	10.0	10.7	
105 Di-n-octyl phthalate	149	11.433	11.433	0.000	97	1715726	10.0	9.21	
106 Benzo[b]fluoranthene	252	11.821	11.827	-0.006	98	1203640	10.0	9.32	
107 Benzo[k]fluoranthene	252	11.857	11.857	0.000	99	1245875	10.0	8.93	
108 Benzo[a]pyrene	252	12.216	12.215	0.001	96	1031419	10.0	8.36	
* 109 Perylene-d12	264	12.286	12.286	0.000	97	866022	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.668	13.668	0.000	98	1326404	10.0	10.0	
111 Dibenz(a,h)anthracene	278	13.704	13.704	0.000	96	1254235	10.0	9.92	
112 Benzo[g,h,i]perylene	276	14.010	14.009	0.001	95	1359617	10.0	9.67	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 27-Dec-2019 21:58:52 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167239.D

Injection Date: 27-Dec-2019 21:39:30 Instrument ID: CBNAMS16 Operator ID:

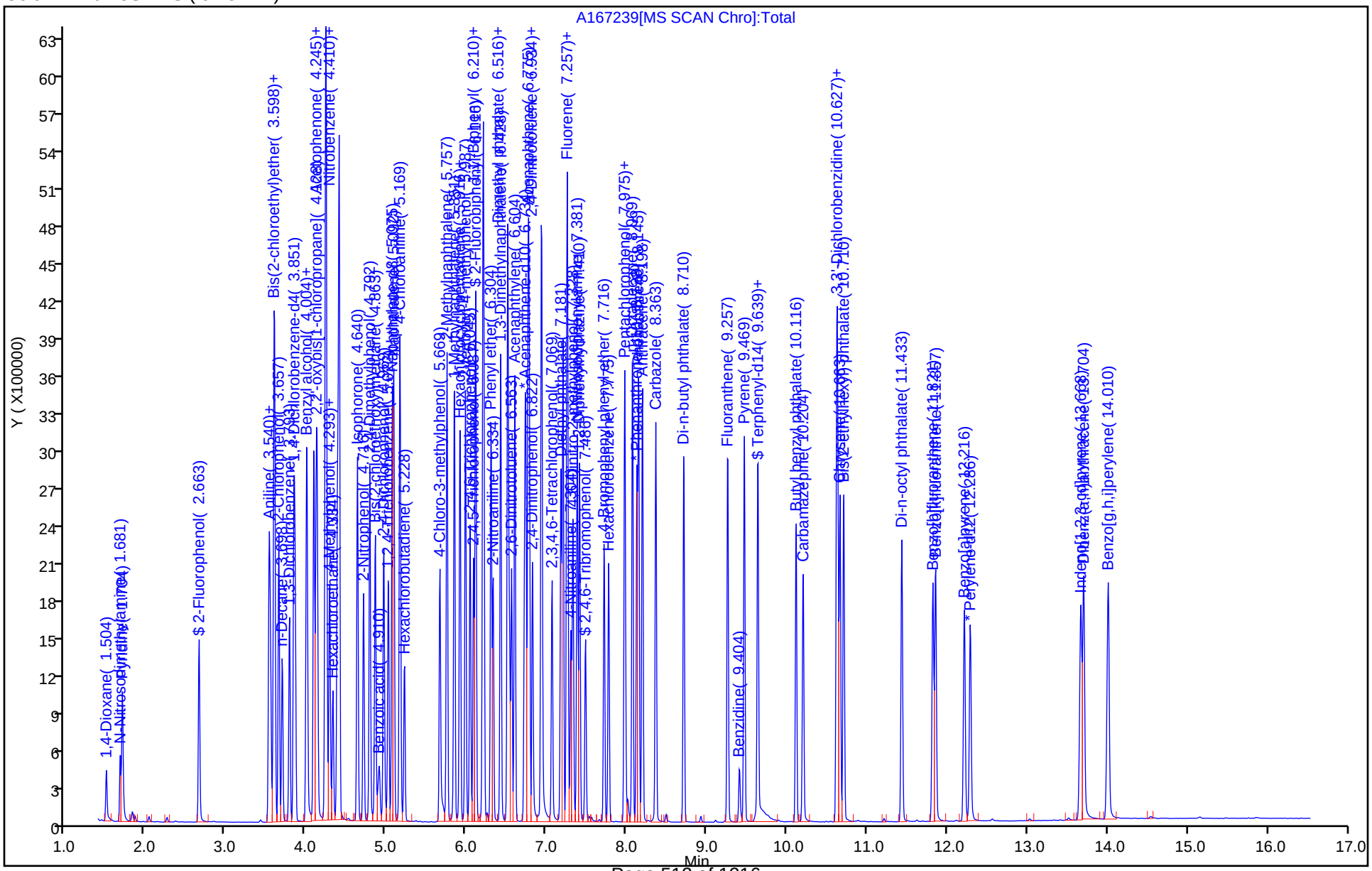
Lims ID: LCSD 460-665354/3-A Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665354/5-A

Matrix: Water Lab File ID: A167241.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 22:21

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	179		2.0	1.3
100-52-7	Benzaldehyde	154		10	2.1
105-60-2	Caprolactam	49.8		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	111		26-139
321-60-8	2-Fluorobiphenyl	101		45-107
367-12-4	2-Fluorophenol (Surr)	65	X	25-58
4165-60-0	Nitrobenzene-d5 (Surr)	116	X	51-108
4165-62-2	Phenol-d5 (Surr)	47	X	14-39
1718-51-0	Terphenyl-d14 (Surr)	127		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167241.D
Lims ID: LCSD 460-665354/5-A
Client ID:
Sample Type: LCSD
Inject. Date: 27-Dec-2019 22:21:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-008
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 30-Dec-2019 08:39:45 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.663	2.675	-0.012	97	609611	10.0	6.52	
5 Benzaldehyde	77	3.422	3.427	0.000	95	1559199	20.0	19.3	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	512310	10.0	4.67	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.851	-0.005	98	486013	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.387	4.392	-0.005	87	1092528	10.0	11.6	
* 38 Naphthalene-d8	136	5.069	5.075	-0.006	99	1914212	8.00	8.00	
42 Caprolactam	113	5.469	5.481	-0.006	93	143877	20.0	6.23	
$ 51 2-Fluorobiphenyl	172	6.110	6.116	-0.006	98	1779656	10.0	10.1	
* 64 Acenaphthene-d10	164	6.734	6.739	-0.005	95	895925	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.481	7.486	-0.005	91	199903	10.0	11.1	
83 Atrazine	200	7.904	7.910	0.006	90	744042	20.0	22.4	
* 87 Phenanthrene-d10	188	8.122	8.127	-0.005	99	1338378	8.00	8.00	
$ 96 Terphenyl-d14	244	9.639	9.639	0.000	98	1295249	10.0	12.7	
* 102 Chrysene-d12	240	10.628	10.639	-0.011	98	758097	8.00	8.00	
* 109 Perylene-d12	264	12.286	12.292	-0.006	97	773232	8.00	8.00	

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

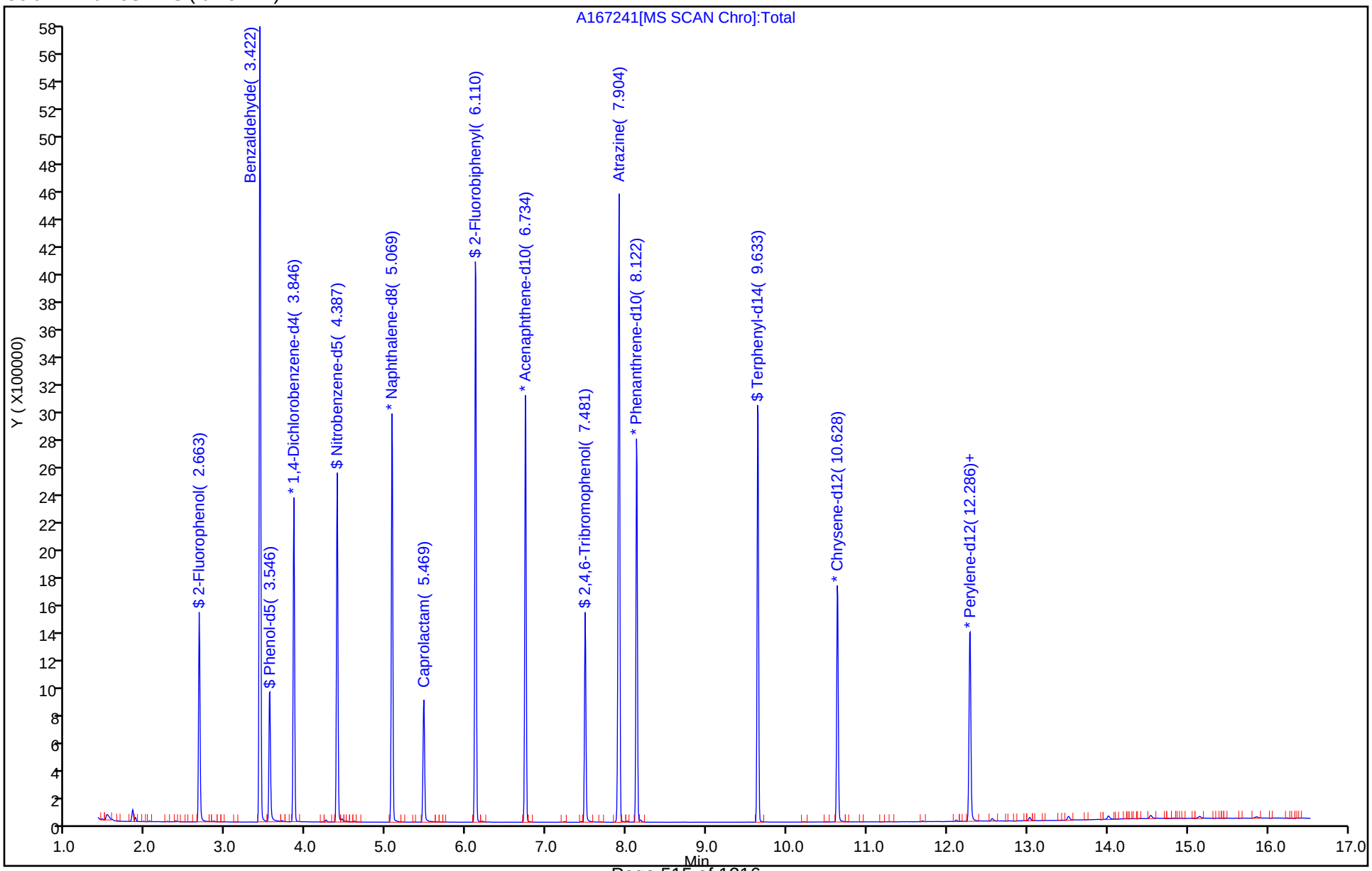
Report Date: 30-Dec-2019 08:39:46 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167241.D

Injection Date:	27-Dec-2019 22:21:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LCSD 460-665354/5-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199751-F-5-A MS

Matrix: Water Lab File ID: A167248.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 00:47

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	64.8		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	61.6		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	70.9		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	67.1		10	0.75
95-95-4	2,4,5-Trichlorophenol	66.6		10	0.88
88-06-2	2,4,6-Trichlorophenol	66.2		10	0.86
120-83-2	2,4-Dichlorophenol	64.2		10	1.1
105-67-9	2,4-Dimethylphenol	61.5		10	0.62
51-28-5	2,4-Dinitrophenol	131		20	14
121-14-2	2,4-Dinitrotoluene	74.7		2.0	1.0
606-20-2	2,6-Dinitrotoluene	71.8		2.0	0.83
91-58-7	2-Chloronaphthalene	63.3		10	1.2
95-57-8	2-Chlorophenol	57.0		10	0.38
91-57-6	2-Methylnaphthalene	62.7		10	1.1
95-48-7	2-Methylphenol	49.3		10	0.67
88-74-4	2-Nitroaniline	67.2		10	0.47
88-75-5	2-Nitrophenol	65.2		10	0.75
91-94-1	3,3'-Dichlorobenzidine	51.1		10	1.4
99-09-2	3-Nitroaniline	57.9		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	153		20	13
101-55-3	4-Bromophenyl phenyl ether	72.7		10	0.75
59-50-7	4-Chloro-3-methylphenol	63.8		10	0.58
106-47-8	4-Chloroaniline	36.5		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	67.6		10	1.3
106-44-5	4-Methylphenol	47.3		10	0.65
100-01-6	4-Nitroaniline	58.9		10	1.2
100-02-7	4-Nitrophenol	53.1		20	4.0
83-32-9	Acenaphthene	68.9		10	1.1
208-96-8	Acenaphthylene	67.3		10	0.82
98-86-2	Acetophenone	67.0		10	2.3
120-12-7	Anthracene	72.7		10	0.63
1912-24-9	Atrazine	149		2.0	1.3
100-52-7	Benzaldehyde	136		10	2.1
56-55-3	Benzo[a]anthracene	76.4		1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199751-F-5-A MS

Matrix: Water Lab File ID: A167248.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 00:47

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	65.0		1.0	0.41
205-99-2	Benzo[b]fluoranthene	70.7		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	74.5		10	1.4
207-08-9	Benzo[k]fluoranthene	69.9		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	72.3		10	0.59
111-44-4	Bis(2-chloroethyl)ether	66.7		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	81.8		2.0	1.7
85-68-7	Butyl benzyl phthalate	76.2		10	0.85
105-60-2	Caprolactam	40.3		10	0.68
86-74-8	Carbazole	70.5		10	0.68
218-01-9	Chrysene	77.9		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	77.0		1.0	0.72
132-64-9	Dibenzofuran	69.9		10	1.1
84-66-2	Diethyl phthalate	68.0		10	0.98
131-11-3	Dimethyl phthalate	67.6		10	0.77
84-74-2	Di-n-butyl phthalate	73.4		10	0.84
117-84-0	Di-n-octyl phthalate	70.9		10	4.8
206-44-0	Fluoranthene	69.6		10	0.84
86-73-7	Fluorene	69.6		10	0.91
118-74-1	Hexachlorobenzene	73.7		1.0	0.40
87-68-3	Hexachlorobutadiene	44.6		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	55.1		10	3.6
67-72-1	Hexachloroethane	36.9		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	73.2		2.0	0.94
78-59-1	Isophorone	69.3		10	0.80
91-20-3	Naphthalene	59.9		10	1.1
98-95-3	Nitrobenzene	68.9		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	68.6		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	71.9		10	0.89
87-86-5	Pentachlorophenol	146		20	1.4
85-01-8	Phenanthrene	73.4		10	0.58
108-95-2	Phenol	24.9		10	0.29
129-00-0	Pyrene	77.5		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199751-F-5-A MS

Matrix: Water Lab File ID: A167248.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 00:47

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93		26-139
321-60-8	2-Fluorobiphenyl	84		45-107
367-12-4	2-Fluorophenol (Surr)	46		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	91		51-108
4165-62-2	Phenol-d5 (Surr)	32		14-39
1718-51-0	Terphenyl-d14 (Surr)	108		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167248.D
Lims ID: 460-199751-F-5-A MS
Client ID: MCS-MW-02
Sample Type: MS
Inject. Date: 28-Dec-2019 00:47:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-015
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 30-Dec-2019 08:24:50 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: hamziy Date: 28-Dec-2019 22:42:53

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	1.504	1.534	-0.030	96	165288	10.0	4.17	
2 N-Nitrosodimethylamine	74	1.681	1.704	-0.023	90	271820	10.0	4.22	
3 Pyridine	79	1.710	1.728	-0.018	94	433905	20.0	4.98	
$ 4 2-Fluorophenol	112	2.663	2.675	-0.012	96	498685	10.0	4.62	
5 Benzaldehyde	77	3.422	3.427	0.000	95	1592026	20.0	17.0	
8 Aniline	93	3.540	3.540	0.000	97	515207	10.0	3.15	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	409551	10.0	3.23	
7 Phenol	94	3.557	3.563	-0.006	99	465617	10.0	3.11	
9 Bis(2-chloroethyl)ether	93	3.598	3.598	0.000	98	912474	10.0	8.34	
10 Benzonitrile	103	3.610	3.610	0.000	98	1815198	NC	NC	
11 2-Chlorophenol	128	3.657	3.663	-0.006	96	790927	10.0	7.12	
12 n-Decane	43	3.704	3.704	0.000	91	414775	10.0	3.74	
13 1,3-Dichlorobenzene	146	3.793	3.792	0.001	95	619188	10.0	5.42	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.851	-0.005	97	561981	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.863	3.863	0.000	95	641718	10.0	5.56	
16 Benzyl alcohol	108	4.004	4.004	0.000	93	421312	10.0	6.58	
17 1,2-Dichlorobenzene	146	4.010	4.010	0.000	94	629044	10.0	5.95	
19 2,2'-oxybis[1-chloropropan	45	4.122	4.122	0.000	95	1249610	10.0	8.86	
18 2-Methylphenol	108	4.140	4.140	0.000	91	605982	10.0	6.16	
20 N-Methylaniline	106	4.240	4.239	0.001	98	1055169	10.0	7.02	
21 Acetophenone	105	4.245	4.245	0.000	94	1157267	10.0	8.37	
22 N-Nitrosodi-n-propylamine	70	4.251	4.257	-0.006	91	603293	10.0	8.57	
24 4-Methylphenol	108	4.293	4.292	0.001	96	594940	10.0	5.91	
23 3 & 4 Methylphenol	108	4.293	4.292	0.001	97	624233	10.0	6.02	
25 Hexachloroethane	117	4.334	4.334	0.000	93	187415	10.0	4.61	
$ 27 Nitrobenzene-d5	82	4.387	4.392	-0.005	88	991225	10.0	9.14	
28 Nitrobenzene	123	4.410	4.410	0.000	94	426700	10.0	8.61	
29 n,n'-Dimethylaniline	120	4.410	4.416	-0.006	92	1153833	10.0	7.68	
30 Isophorone	82	4.640	4.639	0.001	100	1680597	10.0	8.66	
32 2-Nitrophenol	139	4.716	4.716	0.000	91	445330	10.0	8.16	
26 2-Toluidine	107	4.793	4.782	0.017	65	749423		NC	
33 2,4-Dimethylphenol	122	4.793	4.798	-0.006	92	695110	10.0	7.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.863	4.863	0.000	98	1042142	10.0	9.04	
35 Benzoic acid	122	4.904	4.939	-0.035	87	219042	10.0	3.79	
36 2,4-Dichlorophenol	162	4.969	4.969	0.000	96	624169	10.0	8.03	
37 1,2,4-Trichlorobenzene	180	5.028	5.028	0.000	95	516190	10.0	6.37	
* 38 Naphthalene-d8	136	5.075	5.075	0.000	99	2204315	8.00	8.00	
39 Naphthalene	128	5.092	5.092	0.000	99	2200331	10.0	7.49	
40 4-Chloroaniline	127	5.163	5.169	-0.006	97	532093	10.0	4.56	
41 Hexachlorobutadiene	225	5.228	5.228	0.000	92	211314	10.0	5.57	
42 Caprolactam	113	5.492	5.481	0.017	93	134154	20.0	5.04	
43 4-Chloro-3-methylphenol	107	5.669	5.669	0.000	97	625295	10.0	7.97	
44 2-Methylnaphthalene	142	5.757	5.757	0.000	85	1445503	10.0	7.84	
45 1-Methylnaphthalene	142	5.851	5.851	0.000	93	1360590	10.0	7.98	
46 Hexachlorocyclopentadiene	237	5.916	5.916	0.000	95	227497	10.0	6.89	
47 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	0.000	95	471627	10.0	7.70	
48 2-tertbutyl-4-methylphenol	149	5.987	5.986	0.001	89	910174	10.0	8.39	
49 2,4,6-Trichlorophenol	196	6.045	6.045	0.000	87	378554	10.0	8.27	
50 2,4,5-Trichlorophenol	196	6.092	6.092	0.000	94	407468	10.0	8.33	
$ 51 2-Fluorobiphenyl	172	6.116	6.116	0.000	98	1591854	10.0	8.39	
52 1,1'-Biphenyl	154	6.204	6.204	0.000	96	1601067	10.0	8.10	
53 2-Chloronaphthalene	162	6.216	6.216	0.000	98	1197201	10.0	7.91	
54 Phenyl ether	170	6.304	6.310	-0.006	86	878964	10.0	8.62	
55 2-Nitroaniline	65	6.334	6.333	0.001	97	440722	10.0	8.40	
57 1,3-Dimethylnaphthalene	156	6.428	6.428	0.000	90	999557	10.0	8.17	
59 Dimethyl phthalate	163	6.516	6.516	0.000	98	1388926	10.0	8.45	
60 Coumarin	146	6.516	6.516	0.000	80	515905	10.0	8.50	
61 2,6-Dinitrotoluene	165	6.563	6.563	0.000	95	339182	10.0	8.98	
62 Acenaphthylene	152	6.604	6.604	0.000	98	2071526	10.0	8.42	
63 3-Nitroaniline	138	6.722	6.728	-0.006	97	345921	10.0	7.23	
* 64 Acenaphthene-d10	164	6.739	6.739	0.000	95	968481	8.00	8.00	
66 Acenaphthene	154	6.769	6.769	0.000	95	1178591	10.0	8.62	
65 3,5-di-tert-butyl-4-hydrox	205	6.787	6.786	0.000	98	984462	10.0	9.21	
67 2,4-Dinitrophenol	184	6.822	6.828	-0.006	92	376557	20.0	16.4	
70 Dibenzofuran	168	6.934	6.933	0.001	98	1689124	10.0	8.74	
69 2,4-Dinitrotoluene	165	6.939	6.939	0.000	91	415621	10.0	9.34	
68 4-Nitrophenol	65	6.945	6.945	0.000	94	220165	20.0	6.64	
72 2,3,4,6-Tetrachlorophenol	232	7.069	7.069	0.000	89	284864	10.0	8.39	
73 Diethyl phthalate	149	7.181	7.180	0.001	98	1480112	10.0	8.50	
75 Fluorene	166	7.251	7.257	-0.006	97	1342529	10.0	8.69	
74 4-Chlorophenyl phenyl ethe	204	7.263	7.263	0.000	85	553022	10.0	8.45	
76 4-Nitroaniline	138	7.304	7.304	0.000	90	354778	10.0	7.37	
77 4,6-Dinitro-2-methylphenol	198	7.328	7.328	0.000	81	423869	20.0	19.1	
78 N-Nitrosodiphenylamine	169	7.381	7.380	0.001	72	982172	10.0	8.99	
79 1,2-Diphenylhydrazine	77	7.410	7.410	0.000	100	1658177	10.0	9.95	
$ 80 2,4,6-Tribromophenol	330	7.486	7.486	0.000	92	180313	10.0	9.29	
81 4-Bromophenyl phenyl ether	248	7.716	7.722	-0.006	80	305333	10.0	9.09	
82 Hexachlorobenzene	284	7.775	7.775	0.000	98	325741	10.0	9.21	
83 Atrazine	200	7.904	7.910	0.006	90	628534	20.0	18.6	
84 Pentachlorophenol	266	7.975	7.975	0.000	88	335801	20.0	18.3	
85 Pentachloronitrobenzene	237	7.981	7.980	0.001	82	132953	10.0	9.48	
86 n-Octadecane	57	8.069	8.075	-0.006	91	943197	10.0	10.6	
* 87 Phenanthrene-d10	188	8.128	8.127	0.001	99	1359649	8.00	8.00	
88 Phenanthrene	178	8.151	8.151	0.000	98	1843723	10.0	9.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Anthracene	178	8.198	8.198	0.000	98	1859960	10.0	9.09	
90 Carbazole	167	8.363	8.363	0.000	96	1710271	10.0	8.81	
71 2-Naphthylamine	143	8.363	8.417	-0.047	42	280		NC	
91 Di-n-butyl phthalate	149	8.710	8.716	-0.006	99	2125746	10.0	9.17	
92 Fluoranthene	202	9.257	9.263	-0.006	97	1631288	10.0	8.71	
93 Benzidine	184	9.410	9.410	0.000	99	69085	10.0	0.6387	
94 Pyrene	202	9.469	9.469	0.000	97	1636489	10.0	9.69	
95 Bisphenol-A	213	9.639	9.639	0.000	58	86872	5.00	1.17	a
$ 96 Terphenyl-d14	244	9.633	9.639	-0.006	98	1134569	10.0	10.8	
97 Butyl benzyl phthalate	149	10.116	10.116	0.000	98	776098	10.0	9.53	
99 Carbamazepine	193	10.198	10.204	-0.006	93	581857	10.0	9.05	
100 3,3'-Dichlorobenzidine	252	10.622	10.621	0.001	98	289142	10.0	6.39	
101 Benzo[a]anthracene	228	10.622	10.627	-0.005	100	1215623	10.0	9.55	
* 102 Chrysene-d12	240	10.633	10.639	-0.006	98	780745	8.00	8.00	
104 Chrysene	228	10.663	10.663	0.000	98	1225863	10.0	9.74	
103 Bis(2-ethylhexyl) phthalat	149	10.710	10.710	0.000	88	1062097	10.0	10.2	
105 Di-n-octyl phthalate	149	11.433	11.433	0.000	96	1689436	10.0	8.87	
106 Benzo[b]fluoranthene	252	11.821	11.827	-0.006	98	1167144	10.0	8.84	
107 Benzo[k]fluoranthene	252	11.857	11.857	0.000	99	1248158	10.0	8.74	
108 Benzo[a]pyrene	252	12.216	12.215	0.001	96	1025741	10.0	8.12	
* 109 Perylene-d12	264	12.286	12.292	-0.006	98	886115	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.668	13.668	0.000	98	1242292	10.0	9.15	M
111 Dibenz(a,h)anthracene	278	13.704	13.704	0.000	96	1245246	10.0	9.62	
112 Benzo[g,h,i]perylene	276	14.010	14.009	0.001	95	1340139	10.0	9.31	
S 119 Total Cresols	1				0			12.2	
127 4,4'-DDT	235	5.916	5.857	0.059	74	143153		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

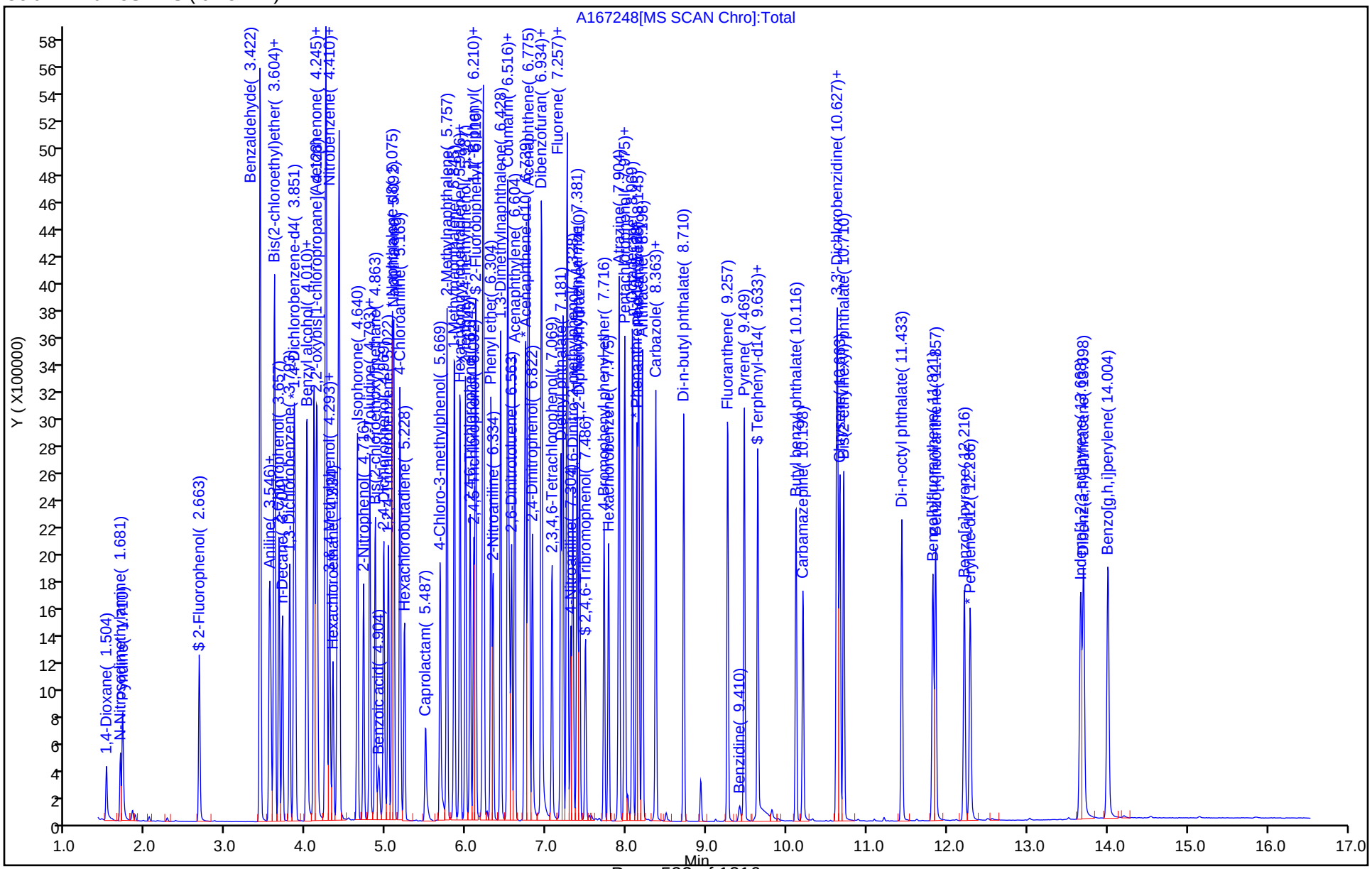
Report Date: 30-Dec-2019 08:24:52 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167248.D

Injection Date:	28-Dec-2019 00:47:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-199751-F-5-A MS			Worklist Smp#:	15
Client ID:	MCS-MW-02				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

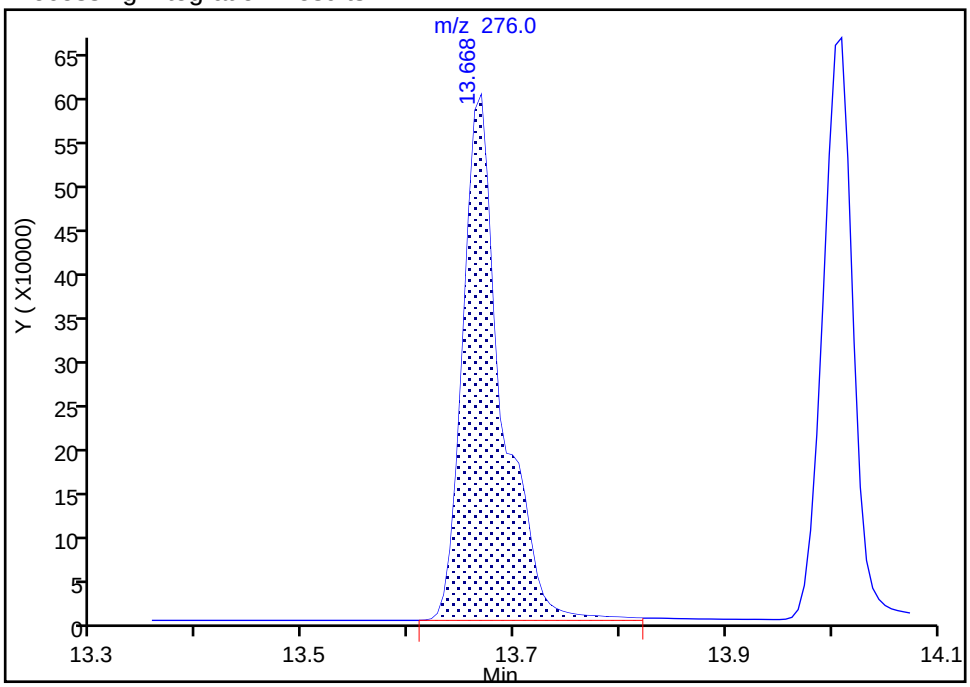
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167248.D				
Injection Date:	28-Dec-2019 00:47:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199751-F-5-A MS				
Client ID:	MCS-MW-02				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

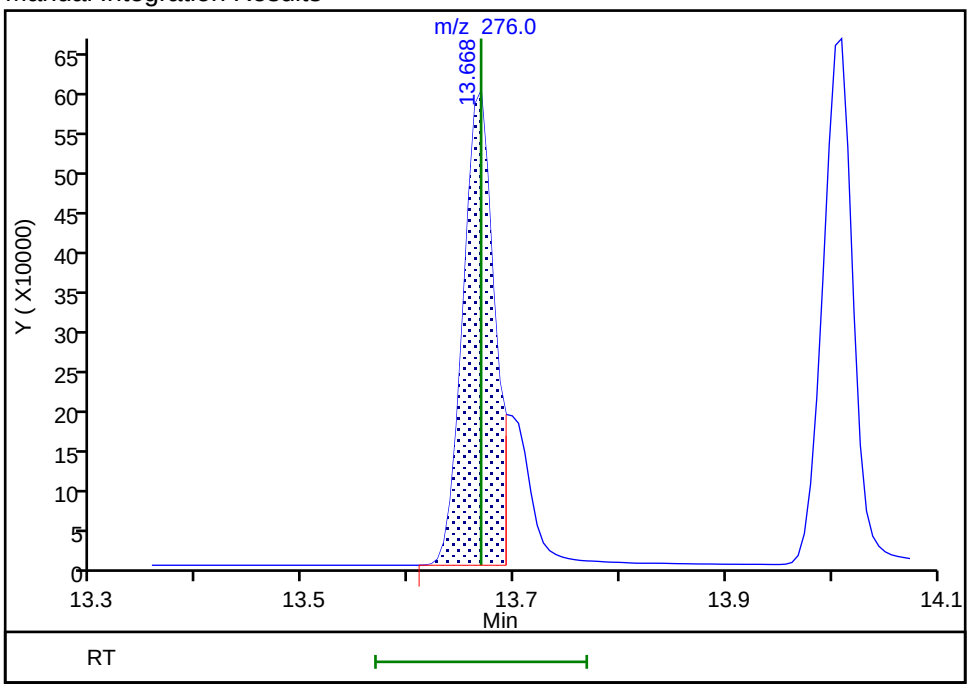
Processing Integration Results

RT: 13.67
Area: 1518685
Amount: 11.190769
Amount Units: ug/ml



Manual Integration Results

RT: 13.67
Area: 1242292
Amount: 9.154106
Amount Units: ug/ml



Reviewer: zhaoc, 30-Dec-2019 08:24:30

Audit Action: Split an Integrated Peak Audit Reason: Other

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199751-C-5-A MSD

Matrix: Water Lab File ID: A167249.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 01:08

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	88.4		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	84.7		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	96.5		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	87.9		10	0.75
95-95-4	2,4,5-Trichlorophenol	90.8		10	0.88
88-06-2	2,4,6-Trichlorophenol	89.5		10	0.86
120-83-2	2,4-Dichlorophenol	89.7		10	1.1
105-67-9	2,4-Dimethylphenol	85.2		10	0.62
51-28-5	2,4-Dinitrophenol	177		20	14
121-14-2	2,4-Dinitrotoluene	95.5		2.0	1.0
606-20-2	2,6-Dinitrotoluene	96.2		2.0	0.83
91-58-7	2-Chloronaphthalene	86.0		10	1.2
95-57-8	2-Chlorophenol	79.5		10	0.38
91-57-6	2-Methylnaphthalene	87.2		10	1.1
95-48-7	2-Methylphenol	70.2		10	0.67
88-74-4	2-Nitroaniline	93.8		10	0.47
88-75-5	2-Nitrophenol	93.2		10	0.75
91-94-1	3,3'-Dichlorobenzidine	78.6		10	1.4
99-09-2	3-Nitroaniline	78.1		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	199		20	13
101-55-3	4-Bromophenyl phenyl ether	96.3		10	0.75
59-50-7	4-Chloro-3-methylphenol	86.6		10	0.58
106-47-8	4-Chloroaniline	61.8		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	90.9		10	1.3
106-44-5	4-Methylphenol	68.4		10	0.65
100-01-6	4-Nitroaniline	79.1		10	1.2
100-02-7	4-Nitrophenol	71.8		20	4.0
83-32-9	Acenaphthene	92.8		10	1.1
208-96-8	Acenaphthylene	90.3		10	0.82
98-86-2	Acetophenone	90.2		10	2.3
120-12-7	Anthracene	93.4		10	0.63
1912-24-9	Atrazine	169		2.0	1.3
100-52-7	Benzaldehyde	155		10	2.1
56-55-3	Benzo[a]anthracene	98.0		1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199751-C-5-A MSD

Matrix: Water Lab File ID: A167249.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 01:08

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	85.4		1.0	0.41
205-99-2	Benzo[b]fluoranthene	89.8		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	100		10	1.4
207-08-9	Benzo[k]fluoranthene	91.1		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	97.8		10	0.59
111-44-4	Bis(2-chloroethyl)ether	89.6		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	108		2.0	1.7
85-68-7	Butyl benzyl phthalate	100		10	0.85
105-60-2	Caprolactam	43.8		10	0.68
86-74-8	Carbazole	90.2		10	0.68
218-01-9	Chrysene	102		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	102		1.0	0.72
132-64-9	Dibenzofuran	93.2		10	1.1
84-66-2	Diethyl phthalate	87.4		10	0.98
131-11-3	Dimethyl phthalate	87.3		10	0.77
84-74-2	Di-n-butyl phthalate	94.6		10	0.84
117-84-0	Di-n-octyl phthalate	90.8		10	4.8
206-44-0	Fluoranthene	87.6		10	0.84
86-73-7	Fluorene	90.0		10	0.91
118-74-1	Hexachlorobenzene	95.2		1.0	0.40
87-68-3	Hexachlorobutadiene	65.7		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	84.8		10	3.6
67-72-1	Hexachloroethane	56.0		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	100		2.0	0.94
78-59-1	Isophorone	96.3		10	0.80
91-20-3	Naphthalene	82.8		10	1.1
98-95-3	Nitrobenzene	91.2		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	93.9		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	95.2		10	0.89
87-86-5	Pentachlorophenol	187		20	1.4
85-01-8	Phenanthrene	93.7		10	0.58
108-95-2	Phenol	35.2		10	0.29
129-00-0	Pyrene	99.6		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-199751-C-5-A MSD

Matrix: Water Lab File ID: A167249.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 12/27/2019 08:34

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 01:08

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665495 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	109		26-139
321-60-8	2-Fluorobiphenyl	106		45-107
367-12-4	2-Fluorophenol (Surr)	60	X	25-58
4165-60-0	Nitrobenzene-d5 (Surr)	119	X	51-108
4165-62-2	Phenol-d5 (Surr)	41	X	14-39
1718-51-0	Terphenyl-d14 (Surr)	126		40-148

Report Date: 30-Dec-2019 08:25:46 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167249.D
Lims ID: 460-199751-C-5-A MSD
Client ID: MCS-MW-02
Sample Type: MSD
Inject. Date: 28-Dec-2019 01:08:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103548-016
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 30-Dec-2019 08:25:43 Calib Date: 22-Nov-2019 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20191122-101655.b\A166101.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: hamziy Date: 28-Dec-2019 22:43:16

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	1.505	1.534	-0.029	95	230402	10.0	6.13	
2 N-Nitrosodimethylamine	74	1.675	1.704	-0.029	90	357096	10.0	5.85	
3 Pyridine	79	1.699	1.728	-0.029	94	788261	20.0	9.54	
$ 4 2-Fluorophenol	112	2.663	2.675	-0.012	97	614470	10.0	6.00	
5 Benzaldehyde	77	3.422	3.427	0.000	95	1711260	20.0	19.3	
8 Aniline	93	3.534	3.540	-0.006	99	970342	10.0	6.26	
$ 6 Phenol-d5	99	3.546	3.551	-0.005	0	492889	10.0	4.10	
7 Phenol	94	3.557	3.563	-0.006	99	623132	10.0	4.40	
9 Bis(2-chloroethyl)ether	93	3.593	3.598	-0.005	96	1161297	10.0	11.2	
10 Benzonitrile	103	3.605	3.610	-0.005	98	2316254	NC	NC	
11 2-Chlorophenol	128	3.657	3.663	-0.006	96	1045132	10.0	9.93	
12 n-Decane	43	3.699	3.704	-0.005	92	622621	10.0	5.93	
13 1,3-Dichlorobenzene	146	3.793	3.792	0.001	95	846147	10.0	7.81	
* 14 1,4-Dichlorobenzene-d4	152	3.846	3.851	-0.005	97	532402	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.863	3.863	0.000	95	879104	10.0	8.03	
16 Benzyl alcohol	108	4.004	4.004	0.000	92	541502	10.0	8.93	
17 1,2-Dichlorobenzene	146	4.010	4.010	0.000	94	832093	10.0	8.31	
19 2,2'-oxybis[1-chloropropan	45	4.122	4.122	0.000	94	1610958	10.0	12.1	
18 2-Methylphenol	108	4.140	4.140	0.000	90	818485	10.0	8.78	
20 N-Methylaniline	106	4.240	4.239	0.001	97	1472875	10.0	10.8	
21 Acetophenone	105	4.246	4.245	0.001	92	1477004	10.0	11.3	
22 N-Nitrosodi-n-propylamine	70	4.257	4.257	0.000	91	782597	10.0	11.7	
24 4-Methylphenol	108	4.293	4.292	0.001	96	815015	10.0	8.54	
23 3 & 4 Methylphenol	108	4.293	4.292	0.001	97	835124	10.0	8.50	
25 Hexachloroethane	117	4.334	4.334	0.000	93	269365	10.0	7.00	
$ 27 Nitrobenzene-d5	82	4.393	4.392	0.001	87	1200061	10.0	11.9	
28 Nitrobenzene	123	4.410	4.410	0.000	96	535226	10.0	11.4	
29 n,n'-Dimethylaniline	120	4.410	4.416	-0.006	92	1501864	10.0	10.6	
30 Isophorone	82	4.640	4.639	0.001	100	2177258	10.0	12.0	
32 2-Nitrophenol	139	4.716	4.716	0.000	92	593335	10.0	11.7	
26 2-Toluidine	107	4.793	4.782	0.018	65	957698		NC	
33 2,4-Dimethylphenol	122	4.793	4.798	-0.005	92	897853	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.863	4.863	0.000	98	1314976	10.0	12.2	
35 Benzoic acid	122	4.916	4.939	-0.023	88	290333	10.0	5.17	
36 2,4-Dichlorophenol	162	4.969	4.969	0.000	96	812859	10.0	11.2	
37 1,2,4-Trichlorobenzene	180	5.028	5.028	0.000	94	706952	10.0	9.35	
* 38 Naphthalene-d8	136	5.075	5.075	0.000	99	2055698	8.00	8.00	
39 Naphthalene	128	5.093	5.092	0.001	99	2834235	10.0	10.3	
40 4-Chloroaniline	127	5.169	5.169	0.000	97	839726	10.0	7.72	
41 Hexachlorobutadiene	225	5.228	5.228	0.000	91	290403	10.0	8.21	
42 Caprolactam	113	5.499	5.481	0.024	93	135916	20.0	5.48	
43 4-Chloro-3-methylphenol	107	5.669	5.669	0.000	97	791900	10.0	10.8	
44 2-Methylnaphthalene	142	5.757	5.757	0.000	85	1873477	10.0	10.9	
45 1-Methylnaphthalene	142	5.851	5.851	0.000	93	1738868	10.0	10.9	
46 Hexachlorocyclopentadiene	237	5.916	5.916	0.000	95	327295	10.0	10.6	
47 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	0.000	95	606515	10.0	10.6	
48 2-tertbutyl-4-methylphenol	149	5.987	5.986	0.001	90	1161304	10.0	11.5	
49 2,4,6-Trichlorophenol	196	6.046	6.045	0.001	86	478436	10.0	11.2	
50 2,4,5-Trichlorophenol	196	6.093	6.092	0.001	95	519052	10.0	11.3	
$ 51 2-Fluorobiphenyl	172	6.116	6.116	0.000	98	1875690	10.0	10.6	
52 1,1'-Biphenyl	154	6.204	6.204	0.000	95	2042758	10.0	11.1	
53 2-Chloronaphthalene	162	6.216	6.216	0.000	99	1521626	10.0	10.8	
54 Phenyl ether	170	6.304	6.310	-0.006	87	1123589	10.0	11.8	
55 2-Nitroaniline	65	6.334	6.333	0.001	98	575205	10.0	11.7	
57 1,3-Dimethylnaphthalene	156	6.428	6.428	0.000	91	1267237	10.0	11.1	
59 Dimethyl phthalate	163	6.516	6.516	0.000	99	1675194	10.0	10.9	
60 Coumarin	146	6.516	6.516	0.000	78	624843	10.0	11.0	
61 2,6-Dinitrotoluene	165	6.563	6.563	0.000	95	424742	10.0	12.0	
62 Acenaphthylene	152	6.604	6.604	0.000	98	2596807	10.0	11.3	
63 3-Nitroaniline	138	6.728	6.728	0.000	96	436321	10.0	9.76	
* 64 Acenaphthene-d10	164	6.740	6.739	0.001	96	905378	8.00	8.00	
66 Acenaphthene	154	6.769	6.769	0.000	95	1483751	10.0	11.6	
65 3,5-di-tert-butyl-4-hydrox	205	6.787	6.786	0.001	98	1248761	10.0	12.5	
67 2,4-Dinitrophenol	184	6.828	6.828	0.000	92	481670	20.0	22.1	
70 Dibenzofuran	168	6.934	6.933	0.001	99	2103281	10.0	11.6	
69 2,4-Dinitrotoluene	165	6.945	6.939	0.006	91	496847	10.0	11.9	
68 4-Nitrophenol	65	6.945	6.945	0.000	96	278133	20.0	8.97	
72 2,3,4,6-Tetrachlorophenol	232	7.069	7.069	0.000	89	348696	10.0	11.0	
73 Diethyl phthalate	149	7.181	7.180	0.001	98	1777827	10.0	10.9	
75 Fluorene	166	7.251	7.257	-0.006	95	1623672	10.0	11.2	
74 4-Chlorophenyl phenyl ethe	204	7.263	7.263	0.000	85	694798	10.0	11.4	
76 4-Nitroaniline	138	7.304	7.304	0.000	92	445248	10.0	9.89	
77 4,6-Dinitro-2-methylphenol	198	7.328	7.328	0.000	84	520276	20.0	24.8	
78 N-Nitrosodiphenylamine	169	7.381	7.380	0.001	82	1224590	10.0	11.9	
79 1,2-Diphenylhydrazine	77	7.410	7.410	0.000	100	2064835	10.0	13.2	
$ 80 2,4,6-Tribromophenol	330	7.487	7.486	0.001	91	198447	10.0	10.9	
81 4-Bromophenyl phenyl ether	248	7.722	7.722	0.000	84	381018	10.0	12.0	
82 Hexachlorobenzene	284	7.775	7.775	0.000	98	396270	10.0	11.9	
83 Atrazine	200	7.904	7.910	0.006	93	671508	20.0	21.1	
84 Pentachlorophenol	266	7.975	7.975	0.000	89	404059	20.0	23.3	
85 Pentachloronitrobenzene	237	7.981	7.980	0.001	82	160539	10.0	12.2	
86 n-Octadecane	57	8.075	8.075	0.000	92	1154344	10.0	13.8	
* 87 Phenanthrene-d10	188	8.128	8.127	0.001	99	1280855	8.00	8.00	
88 Phenanthrene	178	8.151	8.151	0.000	98	2217973	10.0	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Anthracene	178	8.198	8.198	0.000	98	2251332	10.0	11.7	
90 Carbazole	167	8.363	8.363	0.000	96	2062572	10.0	11.3	
71 2-Naphthylamine	143	8.351	8.417	-0.059	41	170		NC	
91 Di-n-butyl phthalate	149	8.710	8.716	-0.006	99	2582229	10.0	11.8	
92 Fluoranthene	202	9.263	9.263	0.000	97	1932740	10.0	10.9	
93 Benzidine	184	9.404	9.410	-0.006	99	415901	10.0	4.08	
94 Pyrene	202	9.469	9.469	0.000	97	1974094	10.0	12.5	
95 Bisphenol-A	213	9.639	9.639	0.000	97	373812	5.00	5.37	a
$ 96 Terphenyl-d14	244	9.639	9.639	0.000	98	1244126	10.0	12.6	
97 Butyl benzyl phthalate	149	10.116	10.116	0.000	98	958446	10.0	12.5	
99 Carbamazepine	193	10.204	10.204	0.000	92	779116	10.0	12.9	
100 3,3'-Dichlorobenzidine	252	10.622	10.621	0.001	99	417400	10.0	9.83	
101 Benzo[a]anthracene	228	10.622	10.627	-0.005	100	1462839	10.0	12.2	
* 102 Chrysene-d12	240	10.633	10.639	-0.006	98	732624	8.00	8.00	
104 Chrysene	228	10.663	10.663	0.000	98	1512674	10.0	12.8	
103 Bis(2-ethylhexyl) phthalat	149	10.710	10.710	0.000	87	1321189	10.0	13.6	
105 Di-n-octyl phthalate	149	11.433	11.433	0.000	97	2131230	10.0	11.3	
106 Benzo[b]fluoranthene	252	11.822	11.827	-0.005	98	1462272	10.0	11.2	
107 Benzo[k]fluoranthene	252	11.857	11.857	0.000	98	1602584	10.0	11.4	
108 Benzo[a]pyrene	252	12.216	12.215	0.001	96	1328255	10.0	10.7	
* 109 Perylene-d12	264	12.286	12.292	-0.006	98	873789	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.669	13.669	0.001	98	1675289	10.0	12.5	M
111 Dibenz(a,h)anthracene	278	13.704	13.704	0.000	95	1633989	10.0	12.8	
112 Benzo[g,h,i]perylene	276	14.016	14.009	0.007	96	1777144	10.0	12.5	
S 119 Total Cresols	1				0			17.3	
127 4,4'-DDT	235	5.916	5.857	0.059	74	204241		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

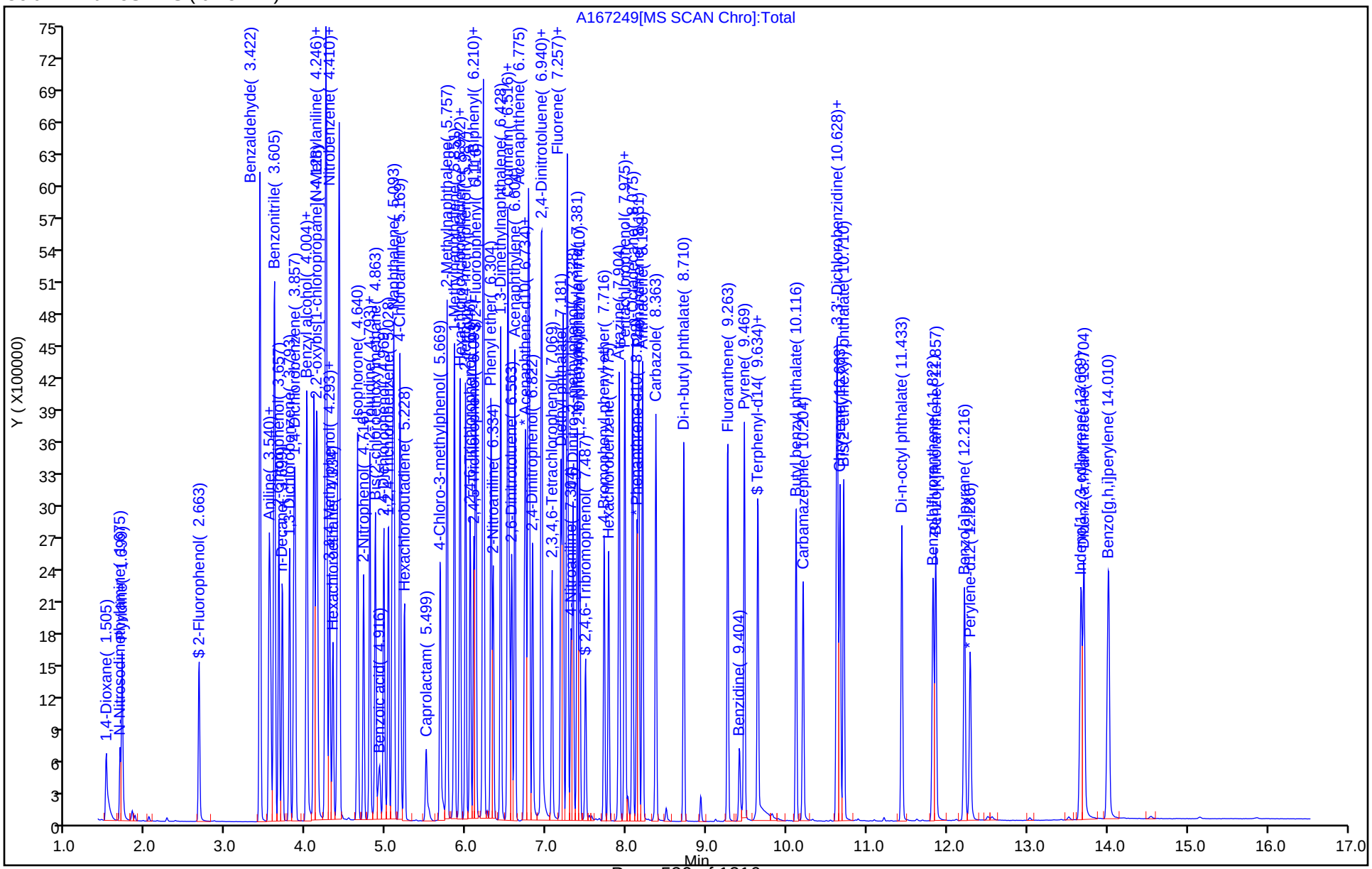
SM_ISTD_LVI_00190 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 08:25:46 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167249.D				
Injection Date:	28-Dec-2019 01:08:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-199751-C-5-A MSD			Worklist Smp#:	16
Client ID:	MCS-MW-02				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

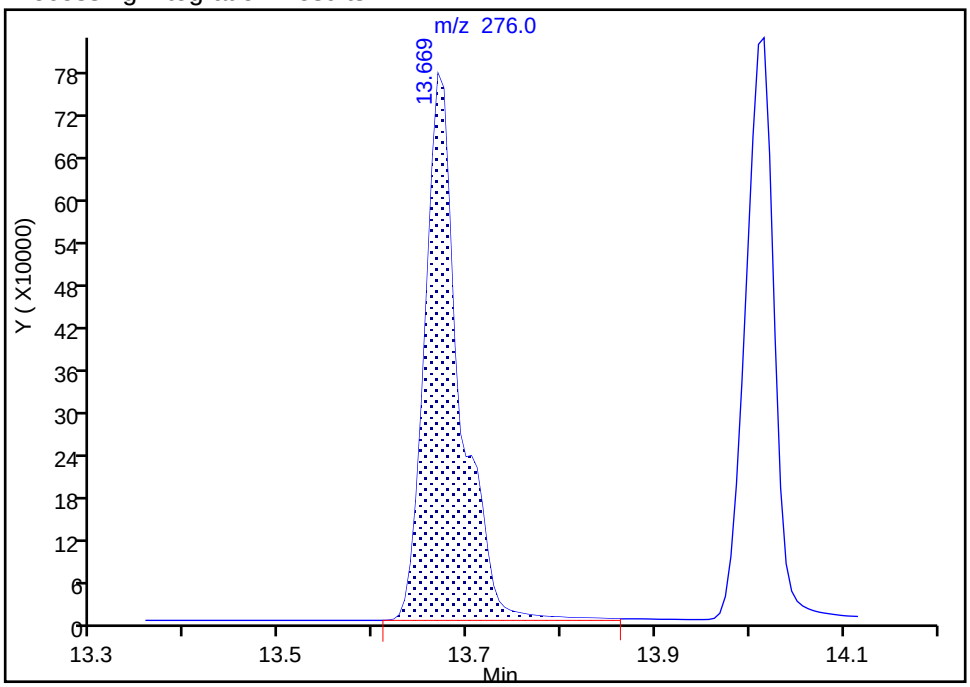
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20191227-103548.b\A167249.D				
Injection Date:	28-Dec-2019 01:08:30	Instrument ID:	CBNAMS16		
Lims ID:	460-199751-C-5-A MSD				
Client ID:	MCS-MW-02				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

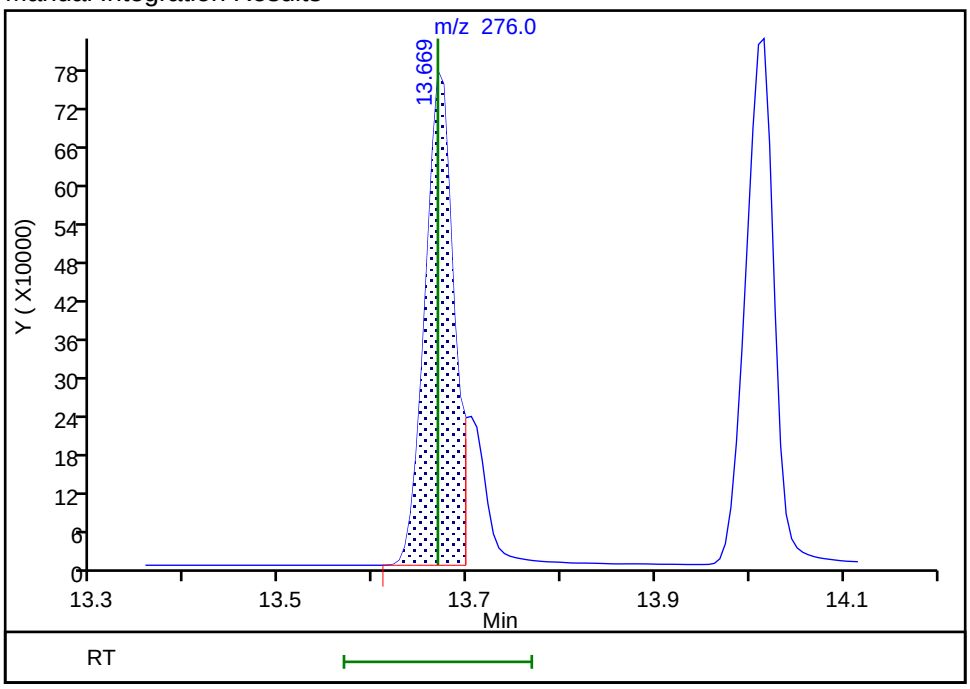
Processing Integration Results

RT: 13.67
Area: 1999957
Amount: 14.945017
Amount Units: ug/ml



Manual Integration Results

RT: 13.67
Area: 1675289
Amount: 12.518880
Amount Units: ug/ml



Reviewer: zhaoc, 30-Dec-2019 08:25:40
Audit Action: Split an Integrated Peak Audit Reason: Other

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 11/22/2019 09:13

Analysis Batch Number: 657425 End Date: 11/22/2019 15:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-657425/1		11/22/2019 09:13	1	A166085.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-657425/2		11/22/2019 09:35	1	A166086.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-657425/3 IC		11/22/2019 10:40	1	A166087.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-657425/4 IC		11/22/2019 11:01	1	A166088.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-657425/5 IC		11/22/2019 11:22	1	A166089.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-657425/6 IC		11/22/2019 11:43	1	A166090.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-657425/7 IC		11/22/2019 12:04	1	A166091.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-657425/8 IC		11/22/2019 12:25	1	A166092.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-657425/9 IC		11/22/2019 12:46	1	A166093.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-657425/10		11/22/2019 13:07	1		Rtxi-5Sil MS 0.25(mm)
STD10 460-657425/11 IC		11/22/2019 13:28	1	A166095.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-657425/12 IC		11/22/2019 13:48	1	A166096.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-657425/13 IC		11/22/2019 14:09	1	A166097.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-657425/14 IC		11/22/2019 14:30	1	A166098.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-657425/15 IC		11/22/2019 14:51	1	A166099.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-657425/16 IC		11/22/2019 15:12	1	A166100.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-657425/17 IC		11/22/2019 15:33	1	A166101.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-657425/18		11/22/2019 15:54	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 12/27/2019 19:44

Analysis Batch Number: 665495 End Date: 12/28/2019 07:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-665495/1		12/27/2019 19:44	1	A167234.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-665495/2		12/27/2019 20:00	1	A167235.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-665495/3		12/27/2019 20:33	1	A167236.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-665354/2-A		12/27/2019 21:18	1	A167238.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-665354/3-A		12/27/2019 21:39	1	A167239.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-665354/4-A		12/27/2019 22:00	1	A167240.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-665354/5-A		12/27/2019 22:21	1	A167241.D	Rtxi-5Sil MS 0.25(mm)
MB 460-665354/1-A		12/27/2019 22:42	1	A167242.D	Rtxi-5Sil MS 0.25(mm)
LB 460-665221/1-B		12/27/2019 23:03	1	A167243.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/27/2019 23:24	1		Rtxi-5Sil MS 0.25(mm)
LB 460-665213/1-B		12/27/2019 23:45	1	A167245.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 00:06	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 00:27	1		Rtxi-5Sil MS 0.25(mm)
460-199751-F-5-A MS		12/28/2019 00:47	1	A167248.D	Rtxi-5Sil MS 0.25(mm)
460-199751-C-5-A MSD		12/28/2019 01:08	1	A167249.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 04:17	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 04:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 04:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 05:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 05:41	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/28/2019 06:02	1		Rtxi-5Sil MS 0.25(mm)
460-199723-1		12/28/2019 06:23	1	A167264.D	Rtxi-5Sil MS 0.25(mm)
460-199723-2		12/28/2019 06:44	1	A167265.D	Rtxi-5Sil MS 0.25(mm)
460-199723-3		12/28/2019 07:05	1	A167266.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665213 Batch Start Date: 12/26/19 14:50 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 12/27/19 07:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	VesselNumber	FiltCompDate	FiltCompTime
LB 460-665213/1		1311, 3510C, 8270D		100 g	2000 mL	4.92 SU	9	12/27/19	0700

Lab Sample ID	Client Sample ID	Method Chain	Basis	LeachatepH	ExtractFluid	AnalysisComment			
LB 460-665213/1		1311, 3510C, 8270D		4.92 SU	TF1122319	TCLP fluid #1; prep. on 12/23/19; exp. on 06/23/20; pH measured on 12/27/19			

Batch Notes	
1N HCl ID	1N HCl TCLP 2579; Exp. 06/22/2020
Balance ID	13
Filter ID	Enviromental Express/400165
pH Meter ID	H
Room Temperature Thermometer ID	Ambient ID R66589, Temp.22.7c
TCLP Fluid 1 ID	TF1122319: prep on 12/23/19; Exp.06/23/20
TCLP Fluid 1 pH	4.92
Maximum Temperature	23.0 Degrees C
Minimum Temperature	21.9 Degrees C
Thermometer ID	Min/Max S/NC 187675
Tumbler Rotations per Minute	29

Basis	Basis Description

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 TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665221 Batch Start Date: 12/26/19 14:50 Batch Analyst: Gao, Yong X

Batch Method: 1312 Batch End Date: 12/27/19 07:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VesselNumber	FiltCompDate	FiltCompTime	LeachatepH
LB 460-665221/1		1312, 3510C, 8270D		100 g	2000 mL	28	12/27/19	0940	4.20

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid	AnalysisComment				
LB 460-665221/1		1312, 3510C, 8270D		SP1122319	SPLP fluid #1 prep on 12/23/19; exp 06/23/20; pH measured on 12/27/19				

Batch Notes	
Balance ID	13
Filter Paper ID	Environmental Express/400165
pH Meter ID	H
Room Temperature Thermometer ID	Ambient ID R66589, Temp.22.7c; S72864
SPLP Fluid pH	4.22 SU
SPLP Solution 1 ID	SP122319; prep on 12/23/19; exp. 06/23/20
Maximum Temperature	23.0 Celsius
Minimum Temperature	21.9 Celsius
Tumbler Rotations per Minute	29

Basis	Basis Description

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 TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665354 Batch Start Date: 12/27/19 08:34 Batch Analyst: Dekkar, Djedjiga X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00009
MB 460-665354/1		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-665354/2		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCSD 460-665354/3		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-665354/4		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
LCSD 460-665354/5		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-199751-F-5 MS		3510C, 8270D	T	250 mL	2 mL	5 SU	<2 SU	>12 SU	20 uL
460-199751-C-5 MSD		3510C, 8270D	T	250 mL	2 mL	5 SU	<2 SU	>12 SU	20 uL
460-199723-I-1	MW-2	3510C, 8270D	T	250 mL	2 mL	5 SU	<2 SU	>12 SU	
460-199723-J-2	MW-1	3510C, 8270D	T	250 mL	2 mL	5 SU	<2 SU	>12 SU	
460-199723-H-3	Duplicate	3510C, 8270D	T	250 mL	2 mL	5 SU	<2 SU	>12 SU	
LB 460-665221/1-A		3510C, 8270D		250 mL	2 mL	5 SU	<2 SU	>12 SU	
LB 460-665213/1-A		3510C, 8270D		250 mL	2 mL	5 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00032	OP_BNASurroga 00017				
MB 460-665354/1		3510C, 8270D			200 uL				
LCS 460-665354/2		3510C, 8270D		200 uL	200 uL				
LCSD 460-665354/3		3510C, 8270D		200 uL	200 uL				
LCS 460-665354/4		3510C, 8270D			200 uL				
LCSD 460-665354/5		3510C, 8270D			200 uL				
460-199751-F-5 MS		3510C, 8270D	T	200 uL	200 uL				
460-199751-C-5 MSD		3510C, 8270D	T	200 uL	200 uL				
460-199723-I-1	MW-2	3510C, 8270D	T		200 uL				
460-199723-J-2	MW-1	3510C, 8270D	T		200 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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665354 Batch Start Date: 12/27/19 08:34 Batch Analyst: Dekkar, Djedjiga X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00032	OP_BNASurroga 00017				
460-199723-H-3	Duplicate	3510C, 8270D	T		200 uL				
LB 460-665221/1-A		3510C, 8270D			200 uL				
LB 460-665213/1-A		3510C, 8270D			200 uL				

Batch Notes	
Acid Used for pH Adjustment ID	186983
Base Used to Adjust pH ID	OP2935
Batch Comment	8270D _BNA Water
Analyst ID - Concentration	OG
Concentration 1 Corrected Temperature	37 Degrees C
Analyst ID - Extraction	dD
Method/Fraction	3510C_LVI BNA Water
pH Indicator ID	HC995364
Prep Solvent ID	MeCL2 238017
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	dD
Sufficient Volume for Batch QC	Yes
Thermometer ID - Concentration 1	31020
Concentration 1 Uncorrected Temperature	37 Degrees C
Vial Lot Number	1836390145

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.

8081B

Organochlorine Pesticides by Gas Chromatography

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
MW-2	460-199723-1	69	70	51	54
MW-1	460-199723-2	33	38	25	25
Duplicate	460-199723-3	67	67	52	52
	MB 460-665106/1-A	82	79	93	85
	LCS 460-665106/2-A	72	70	85	71
	LCSD 460-665106/3-A	62	60	66	62

	QC LIMITS
TCX = Tetrachloro-m-xylene	12-136
DCBP = DCB Decachlorobiphenyl	10-150

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4P0024518.D

Lab ID: LCS 460-665106/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.800	0.702	88	58-136	
4,4'-DDD	0.800	0.826	103	58-136	
4,4'-DDE	0.800	0.703	88	56-132	
4,4'-DDE	0.800	0.860	108	56-132	
4,4'-DDT	0.800	0.694	87	56-134	
4,4'-DDT	0.800	0.831	104	56-134	
Aldrin	0.800	0.736	92	52-125	
Aldrin	0.800	0.859	107	52-125	
alpha-BHC	0.800	0.729	91	57-133	
alpha-BHC	0.800	0.775	97	57-133	
beta-BHC	0.800	0.728	91	61-134	
beta-BHC	0.800	0.786	98	61-134	
delta-BHC	0.800	0.704	88	56-130	
delta-BHC	0.800	0.783	98	56-130	
Dieldrin	0.800	0.697	87	61-135	
Dieldrin	0.800	0.885	111	61-135	
Endosulfan I	0.800	0.720	90	61-134	
Endosulfan I	0.800	0.901	113	61-134	
Endosulfan II	0.800	0.711	89	61-133	
Endosulfan II	0.800	0.794	99	61-133	
Endosulfan sulfate	0.800	0.764	95	59-133	
Endosulfan sulfate	0.800	0.899	112	59-133	
Endrin	0.800	0.741	93	60-135	
Endrin	0.800	0.896	112	60-135	
Endrin aldehyde	0.800	0.724	91	59-130	
Endrin aldehyde	0.800	0.807	101	59-130	
Endrin ketone	0.800	0.748	94	60-137	
Endrin ketone	0.800	0.850	106	60-137	
gamma-BHC (Lindane)	0.800	0.699	87	59-131	
gamma-BHC (Lindane)	0.800	0.786	98	59-131	
Heptachlor	0.800	0.750	94	54-126	
Heptachlor	0.800	0.814	102	54-126	
Heptachlor epoxide	0.800	0.725	91	60-130	
Heptachlor epoxide	0.800	0.870	109	60-130	
Methoxychlor	0.800	0.776	97	57-133	
Methoxychlor	0.800	0.755	94	57-133	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4P0024519.D

Lab ID: LCSD 460-665106/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	0.800	0.561	70	22	30	58-136	
4,4'-DDD	0.800	0.592	74	33	30	58-136	*
4,4'-DDE	0.800	0.559	70	23	30	56-132	
4,4'-DDE	0.800	0.629	79	31	30	56-132	*
4,4'-DDT	0.800	0.553	69	23	30	56-134	
4,4'-DDT	0.800	0.597	75	33	30	56-134	*
Aldrin	0.800	0.586	73	23	30	52-125	
Aldrin	0.800	0.642	80	29	30	52-125	
alpha-BHC	0.800	0.573	72	24	30	57-133	
alpha-BHC	0.800	0.618	77	23	30	57-133	
beta-BHC	0.800	0.594	74	20	30	61-134	
beta-BHC	0.800	0.610	76	25	30	61-134	
delta-BHC	0.800	0.570	71	21	30	56-130	
delta-BHC	0.800	0.603	75	26	30	56-130	
Dieldrin	0.800	0.559	70	22	30	61-135	
Dieldrin	0.800	0.651	81	30	30	61-135	
Endosulfan I	0.800	0.578	72	22	30	61-134	
Endosulfan I	0.800	0.669	84	30	30	61-134	
Endosulfan II	0.800	0.568	71	22	30	61-133	
Endosulfan II	0.800	0.575	72	32	30	61-133	*
Endosulfan sulfate	0.800	0.607	76	23	30	59-133	
Endosulfan sulfate	0.800	0.636	79	34	30	59-133	*
Endrin	0.800	0.594	74	22	30	60-135	
Endrin	0.800	0.654	82	31	30	60-135	*
Endrin aldehyde	0.800	0.582	73	22	30	59-130	
Endrin aldehyde	0.800	0.582	73	32	30	59-130	*
Endrin ketone	0.800	0.594	74	23	30	60-137	
Endrin ketone	0.800	0.599	75	35	30	60-137	*
gamma-BHC (Lindane)	0.800	0.556	70	23	30	59-131	
gamma-BHC (Lindane)	0.800	0.616	77	24	30	59-131	
Heptachlor	0.800	0.601	75	22	30	54-126	
Heptachlor	0.800	0.616	77	28	30	54-126	
Heptachlor epoxide	0.800	0.581	73	22	30	60-130	
Heptachlor epoxide	0.800	0.654	82	28	30	60-130	
Methoxychlor	0.800	0.614	77	23	30	57-133	
Methoxychlor	0.800	0.537	67	34	30	57-133	*

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: MB 460-665106/1-A

Matrix: Water Date Extracted: 12/26/2019 09:10

Lab File ID:(1) 4P0024517.D Lab File ID:(2) 4P0024517.D

Date Analyzed:(1) 12/27/2019 05:39 Date Analyzed:(2) 12/27/2019 05:39

Instrument ID:(1) CPESTGC4 Instrument ID:(2) CPESTGC4

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-665106/2-A	12/27/2019 05:55	12/27/2019 05:55
	LCSD 460-665106/3-A	12/27/2019 06:10	12/27/2019 06:10
MW-2	460-199723-1	12/27/2019 10:00	12/27/2019 10:00
MW-1	460-199723-2	12/27/2019 10:16	12/27/2019 10:16
Duplicate	460-199723-3	12/27/2019 10:31	12/27/2019 10:31

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Sample No.: CCVIS 460-665293/3 Date Analyzed: 12/27/2019 03:50

Instrument ID: CPESTGC4 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 4P0024510.D Heated Purge: (Y/N) N

Calibration ID: 76342

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		69420185	1.68				
UPPER LIMIT		138840370	1.75				
LOWER LIMIT		34710093	1.61				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-665293/4		73386945	1.68				
CCV 460-665293/5		76454458	1.68				
MB 460-665106/1-A		80835883	1.69				
LCS 460-665106/2-A		90999816	1.69				
LCSD 460-665106/3-A		90323899	1.68				
460-199723-1	MW-2	77484053	1.68				
460-199723-2	MW-1	79338378	1.68				
460-199723-3	Duplicate	85467628	1.68				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Sample No.: CCVIS 460-665293/3 Date Analyzed: 12/27/2019 03:50

Instrument ID: CPESTGC4 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 4P0024510.D Heated Purge: (Y/N) N

Calibration ID: 76343

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		155424832	1.51				
UPPER LIMIT		310849664	1.58				
LOWER LIMIT		77712416	1.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-665293/4		158210760	1.51				
CCV 460-665293/5		147684202	1.51				
MB 460-665106/1-A		167102999	1.51				
LCS 460-665106/2-A		174610797	1.51				
LCSD 460-665106/3-A		191001829	1.51				
460-199723-1	MW-2	164228801	1.51				
460-199723-2	MW-1	158938706	1.51				
460-199723-3	Duplicate	188584373	1.51				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665106/2-A

Instrument ID (1): CPESTGC4 Instrument ID (2): CPESTGC4

Date Analyzed (1): 12/27/2019 05:55 Date Analyzed (2): 12/27/2019 05:55

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.20	2.18	2.20	0.775		6.1
	2		2.71	2.69	2.71	0.729		
gamma-BHC (Lindane)	1		2.40	2.38	2.40	0.786		11.8
	2		3.03	3.01	3.03	0.699		
beta-BHC	1		2.45	2.43	2.45	0.786		7.6
	2		3.09	3.08	3.10	0.728		
delta-BHC	1		2.58	2.56	2.58	0.783		10.7
	2		3.41	3.39	3.41	0.704		
Heptachlor	1		2.74	2.72	2.74	0.814		8.2
	2		3.51	3.49	3.51	0.750		
Aldrin	1		2.99	2.97	2.99	0.859		15.4
	2		3.89	3.88	3.90	0.736		
Heptachlor epoxide	1		3.57	3.55	3.57	0.870		18.2
	2		4.56	4.54	4.56	0.725		
4,4'-DDE	1		3.93	3.91	3.93	0.860		20.1
	2		5.10	5.08	5.10	0.703		
Endosulfan I	1		4.00	3.98	4.00	0.901		22.4
	2		5.00	4.99	5.01	0.720		
Dieldrin	1		4.25	4.24	4.26	0.885		23.9
	2		5.26	5.24	5.26	0.697		
Endrin	1		4.53	4.51	4.53	0.896		18.8
	2		5.54	5.53	5.55	0.741		
4,4'-DDD	1		4.61	4.59	4.61	0.826		16.2
	2		5.66	5.65	5.67	0.702		
Endosulfan II	1		4.78	4.76	4.78	0.794		11.0
	2		5.77	5.75	5.77	0.711		
4,4'-DDT	1		4.91	4.89	4.91	0.831		17.9
	2		6.03	6.02	6.04	0.694		
Endrin aldehyde	1		5.18	5.16	5.18	0.807		10.8
	2		6.18	6.17	6.19	0.724		
Methoxychlor	1		5.38	5.36	5.38	0.755		2.8
	2		7.15	7.13	7.15	0.776		
Endosulfan sulfate	1		5.57	5.56	5.58	0.899		16.3
	2		6.59	6.58	6.60	0.764		
Endrin ketone	1		5.86	5.78	5.92	0.850		12.8
	2		7.38	7.31	7.45	0.748		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665106/3-A

Instrument ID (1): CPESTGC4 Instrument ID (2): CPESTGC4

Date Analyzed (1): 12/27/2019 06:10 Date Analyzed (2): 12/27/2019 06:10

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.20	2.18	2.20	0.618		7.6
	2		2.71	2.69	2.71	0.573		
gamma-BHC (Lindane)	1		2.40	2.38	2.40	0.616		10.1
	2		3.03	3.01	3.03	0.556		
beta-BHC	1		2.45	2.43	2.45	0.610		2.7
	2		3.09	3.08	3.10	0.594		
delta-BHC	1		2.58	2.56	2.58	0.603		5.7
	2		3.41	3.39	3.41	0.570		
Heptachlor	1		2.74	2.72	2.74	0.616		2.5
	2		3.51	3.49	3.51	0.601		
Aldrin	1		2.99	2.97	2.99	0.642		9.2
	2		3.89	3.88	3.90	0.586		
Heptachlor epoxide	1		3.57	3.55	3.57	0.654		11.9
	2		4.56	4.54	4.56	0.581		
4,4'-DDE	1		3.93	3.91	3.93	0.629		11.7
	2		5.10	5.08	5.10	0.559		
Endosulfan I	1		4.00	3.98	4.00	0.669		14.7
	2		5.00	4.99	5.01	0.578		
Dieldrin	1		4.25	4.24	4.26	0.651		15.3
	2		5.26	5.24	5.26	0.559		
Endrin	1		4.52	4.51	4.53	0.654		9.6
	2		5.54	5.53	5.55	0.594		
4,4'-DDD	1		4.61	4.59	4.61	0.592		5.5
	2		5.66	5.65	5.67	0.561		
Endosulfan II	1		4.78	4.76	4.78	0.575		1.3
	2		5.76	5.75	5.77	0.568		
4,4'-DDT	1		4.91	4.89	4.91	0.597		7.6
	2		6.03	6.02	6.04	0.553		
Endrin aldehyde	1		5.18	5.16	5.18	0.582		0.1
	2		6.18	6.17	6.19	0.582		
Methoxychlor	1		5.38	5.36	5.38	0.537		13.5
	2		7.15	7.13	7.15	0.614		
Endosulfan sulfate	1		5.57	5.56	5.58	0.636		4.6
	2		6.59	6.58	6.60	0.607		
Endrin ketone	1		5.86	5.78	5.92	0.599		0.7
	2		7.38	7.31	7.45	0.594		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: 4P0024526.D

Analysis Method: 8081B Date Collected: 12/23/2019 09:45

Extraction Method: 3510C Date Extracted: 12/26/2019 15:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 10:00

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	54		10-150
877-09-8	Tetrachloro-m-xylene	70		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D
Lims ID: 460-199723-F-1-B
Client ID: MW-2
Sample Type: Client
Inject. Date: 27-Dec-2019 10:00:21 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-019
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 10:13:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.680	1.679	0.001	77484053	100.0	
2	1.506	1.507	-0.001	164228801	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.233	2.232	0.001	61583935	70.0	
2	1.872	1.873	-0.001	114870593	69.2	
					RPD = 1.23	
$ 24 DCB Decachlorobiphenyl						
1	8.435	8.435	0.000	54100465	54.3	
2	7.377	7.381	-0.004	115456237	51.5	
					RPD = 5.41	

Reagents:

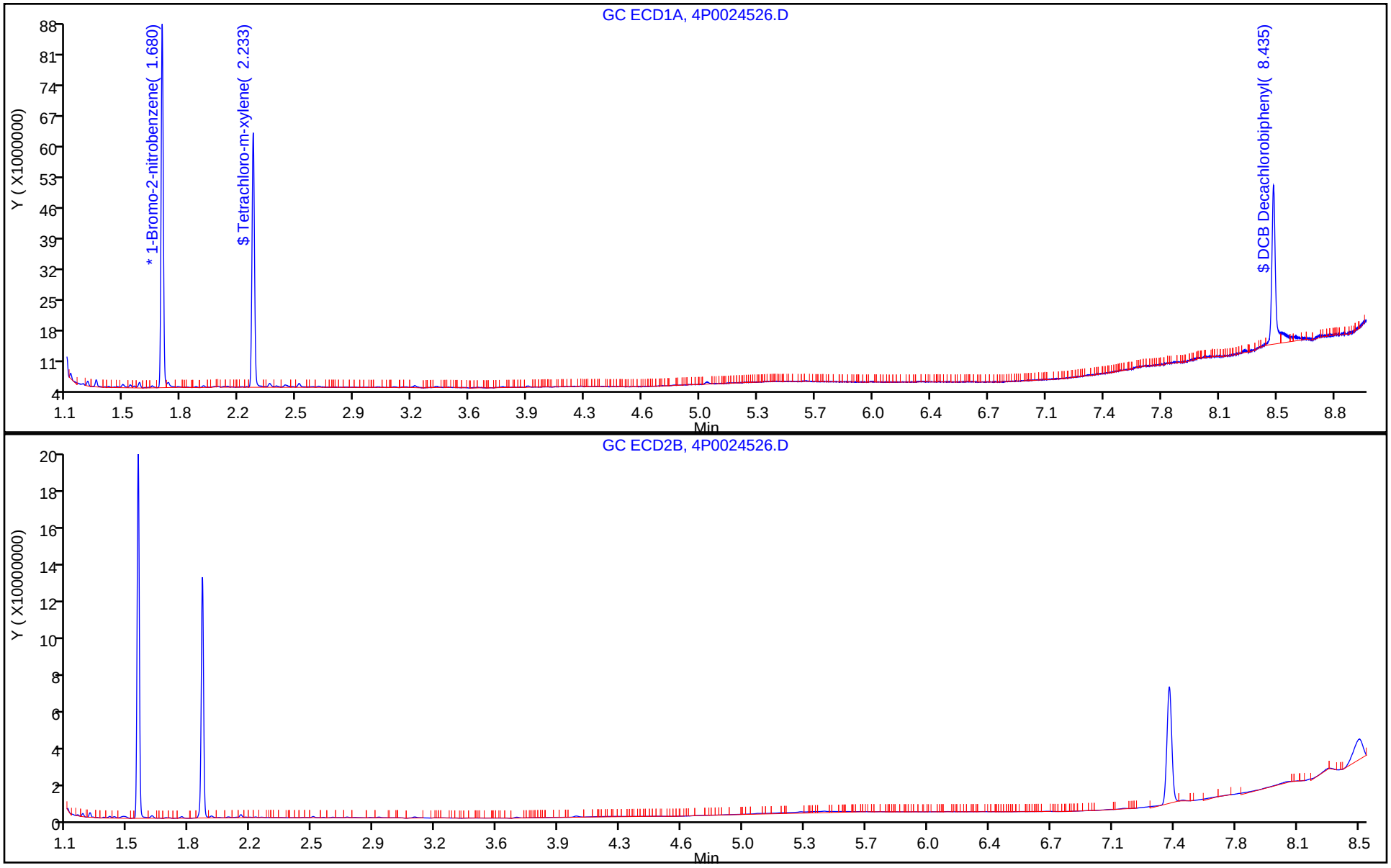
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:15:10 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1	Worklist Smp#:	19
Client ID:	MW-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



User Disabled Compound Report

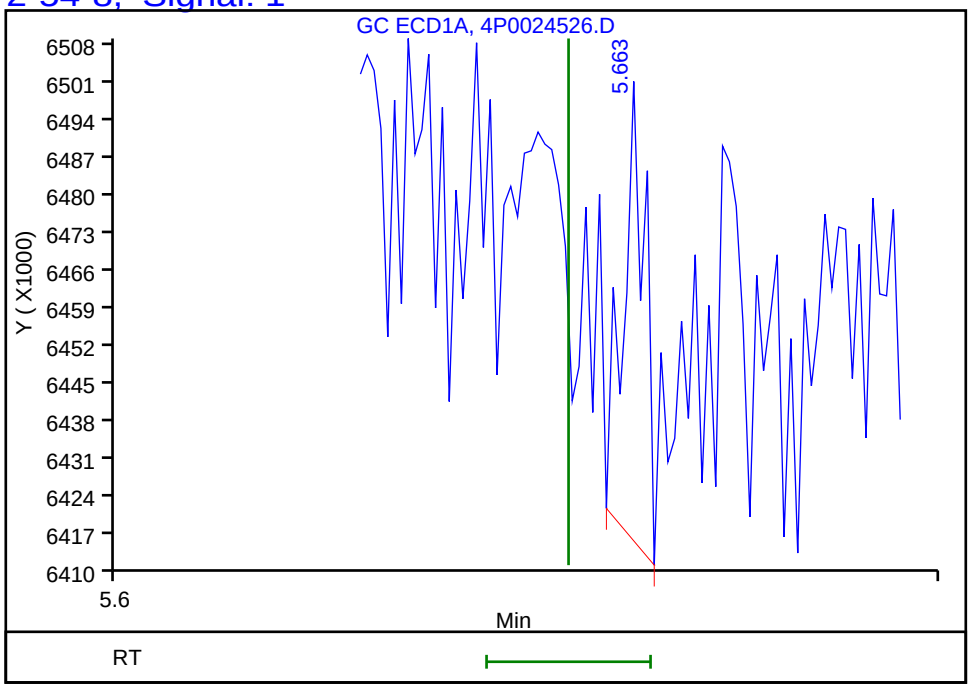
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

16 4,4'-DDD, CAS: 72-54-8, Signal: 1

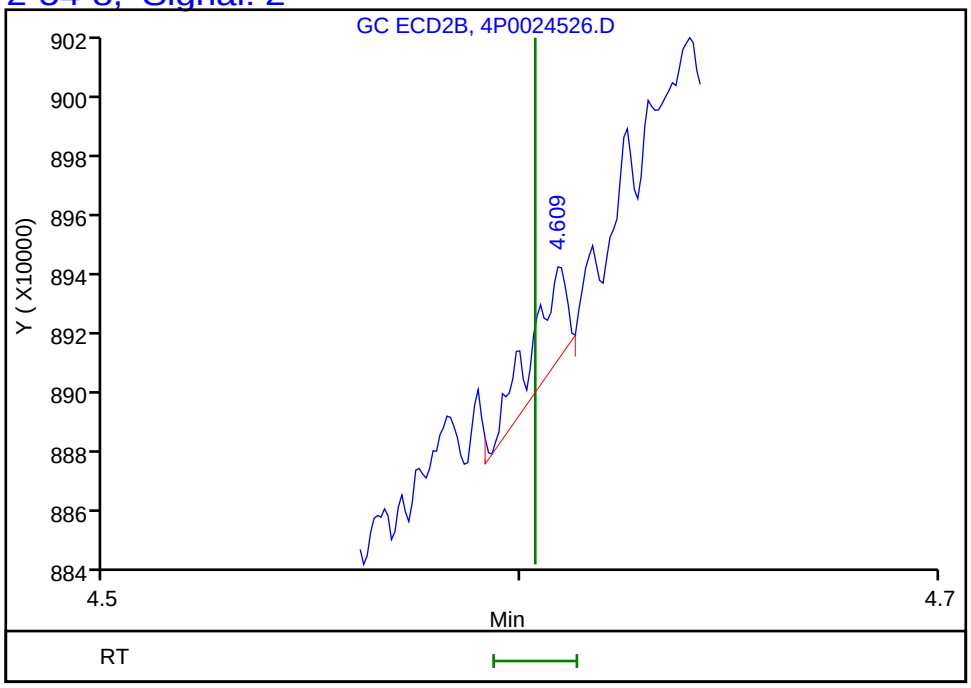
RT: 5.66
Response: 15897
Amount: 0.015397



Column: Detector GC ECD2B

16 4,4'-DDD, CAS: 72-54-8, Signal: 2

RT: 4.61
Response: 18821
Amount: 0.012104



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

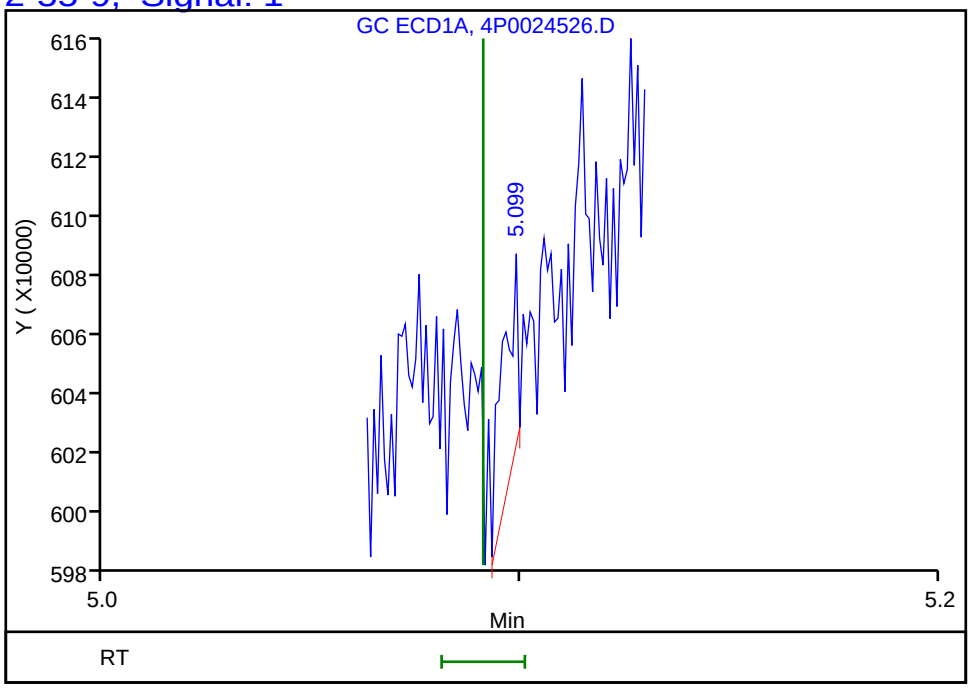
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

25 4,4'-DDE, CAS: 72-55-9, Signal: 1

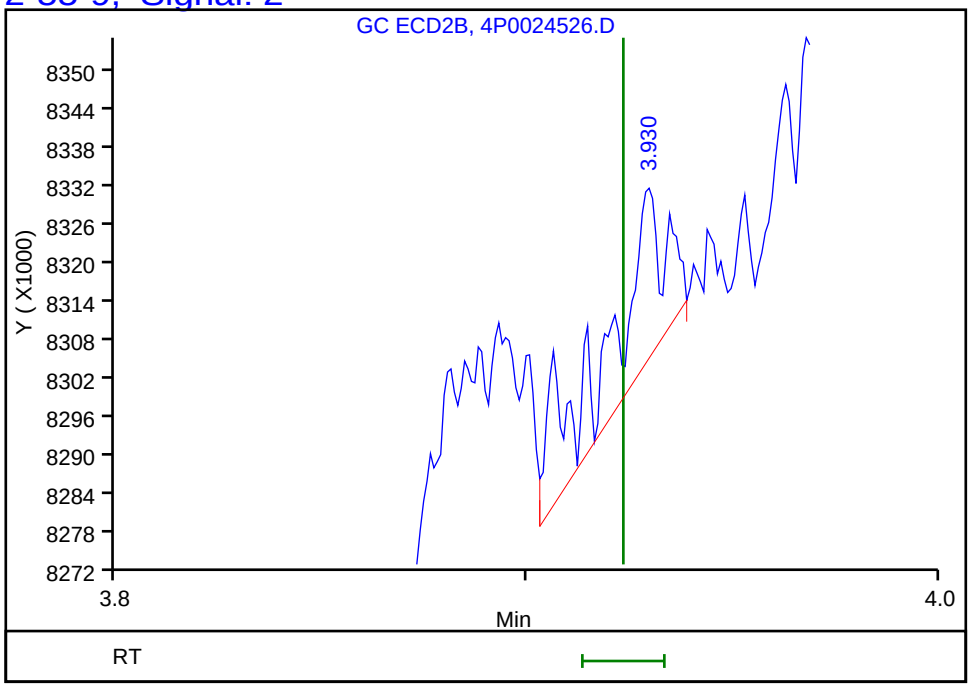
RT: 5.10
Response: 16063
Amount: 0.013741



Column: Detector GC ECD2B

25 4,4'-DDE, CAS: 72-55-9, Signal: 2

RT: 3.93
Response: 27058
Amount: 0.014823



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

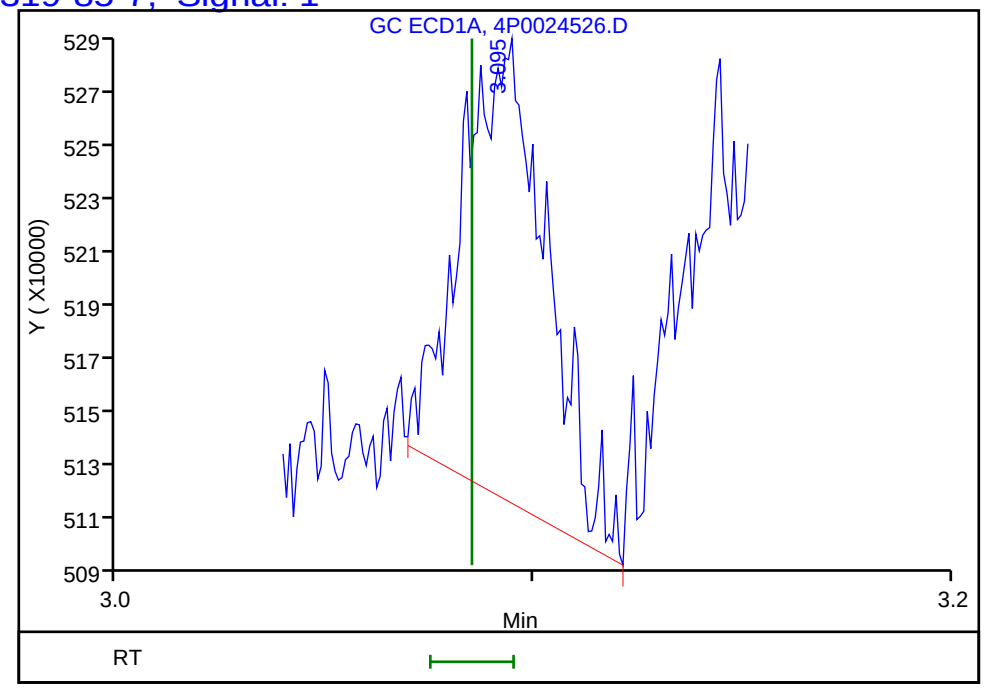
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

6 beta-BHC, CAS: 319-85-7, Signal: 1

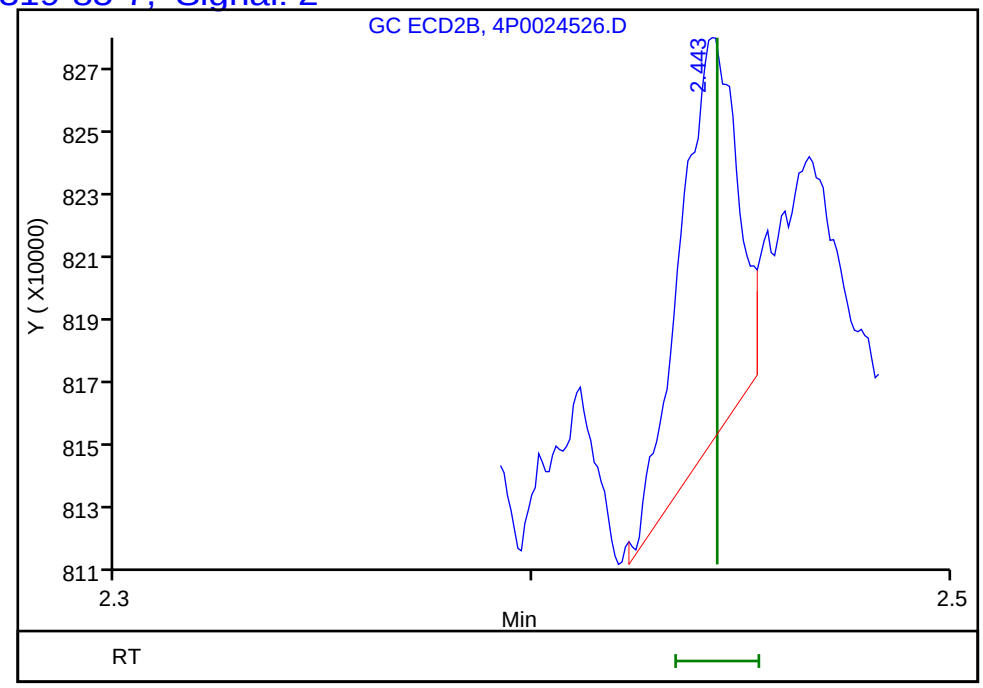
RT: 3.09
Response: 234888
Amount: 0.430840



Column: Detector GC ECD2B

6 beta-BHC, CAS: 319-85-7, Signal: 2

RT: 2.44
Response: 121853
Amount: 0.121588



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

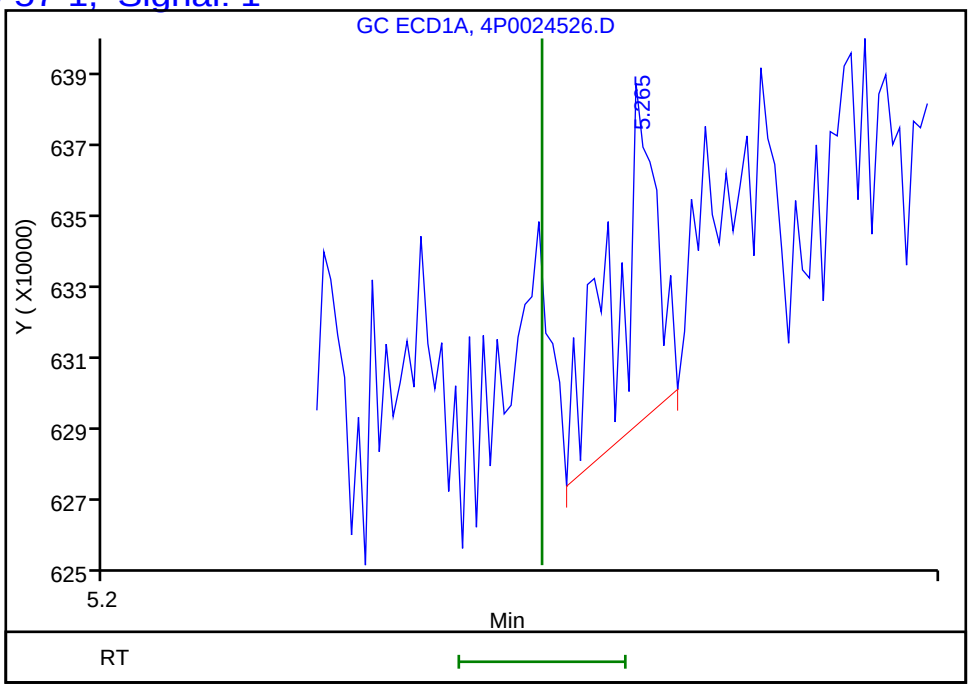
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4		
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

30 Dieldrin, CAS: 60-57-1, Signal: 1

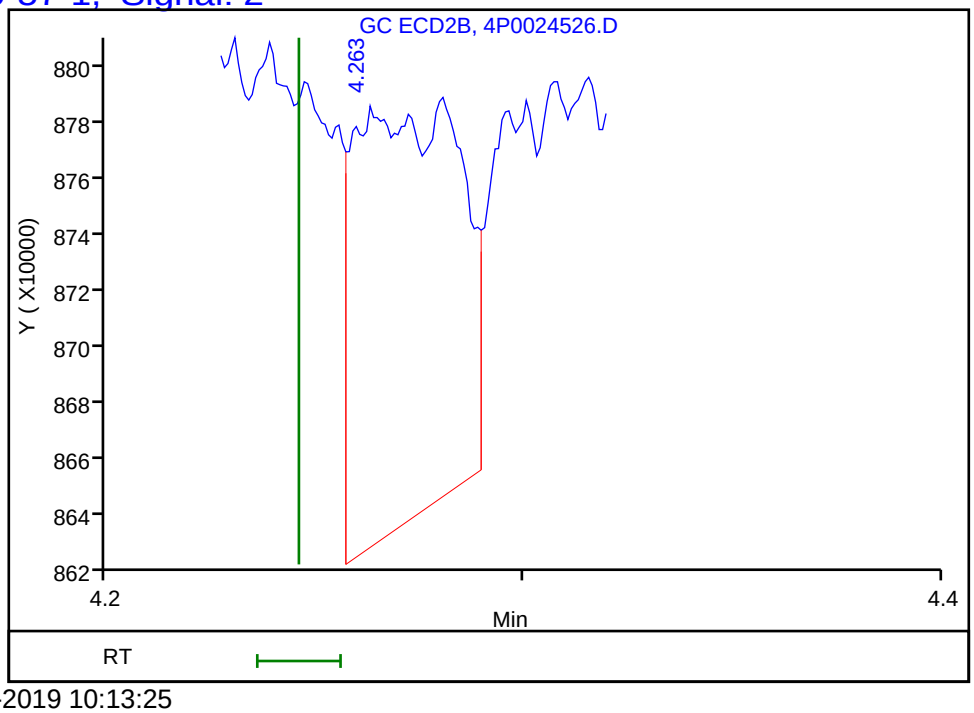
RT: 5.26
Response: 31466
Amount: 0.024719



Column: Detector GC ECD2B

30 Dieldrin, CAS: 60-57-1, Signal: 2

RT: 4.26
Response: 249057
Amount: 0.125108



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

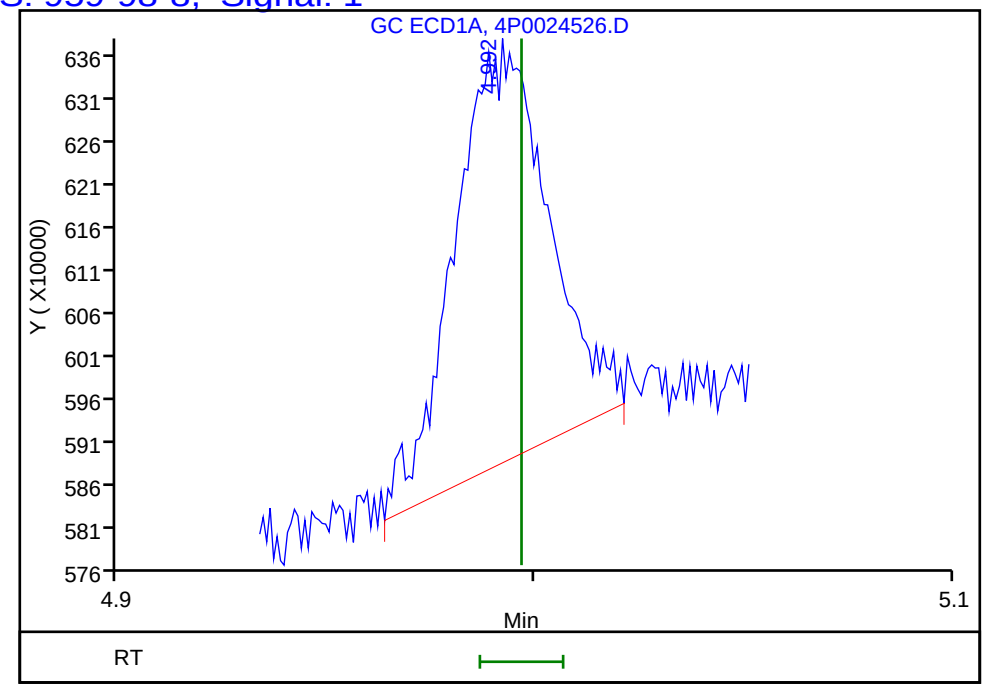
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4		
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

7 Endosulfan I, CAS: 959-98-8, Signal: 1

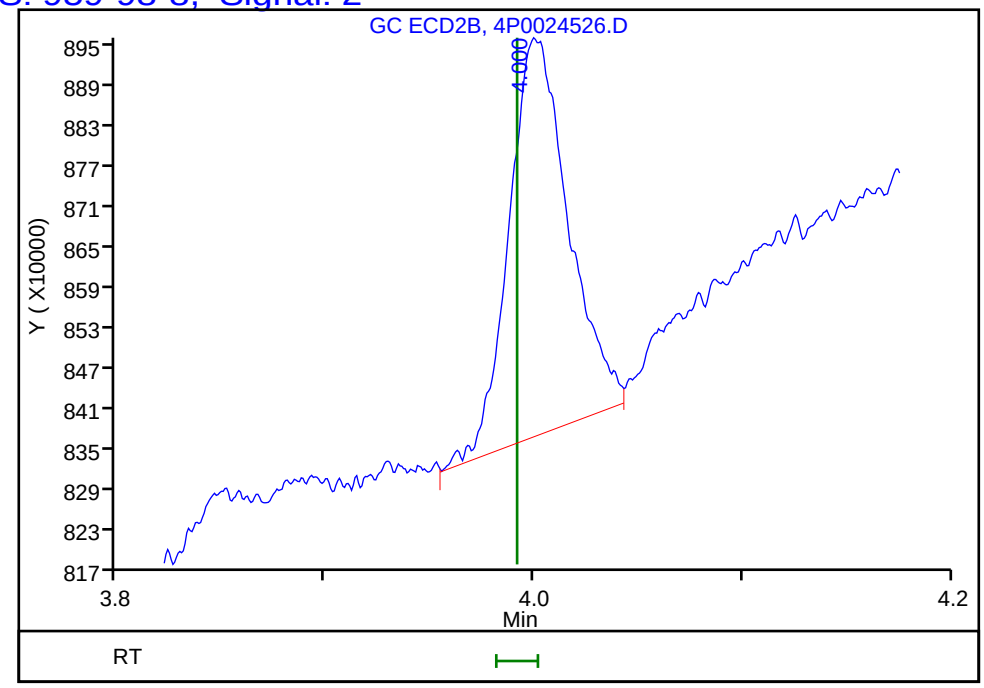
RT: 4.99
Response: 771324
Amount: 0.720644



Column: Detector GC ECD2B

7 Endosulfan I, CAS: 959-98-8, Signal: 2

RT: 4.00
Response: 1168190
Amount: 0.641462



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

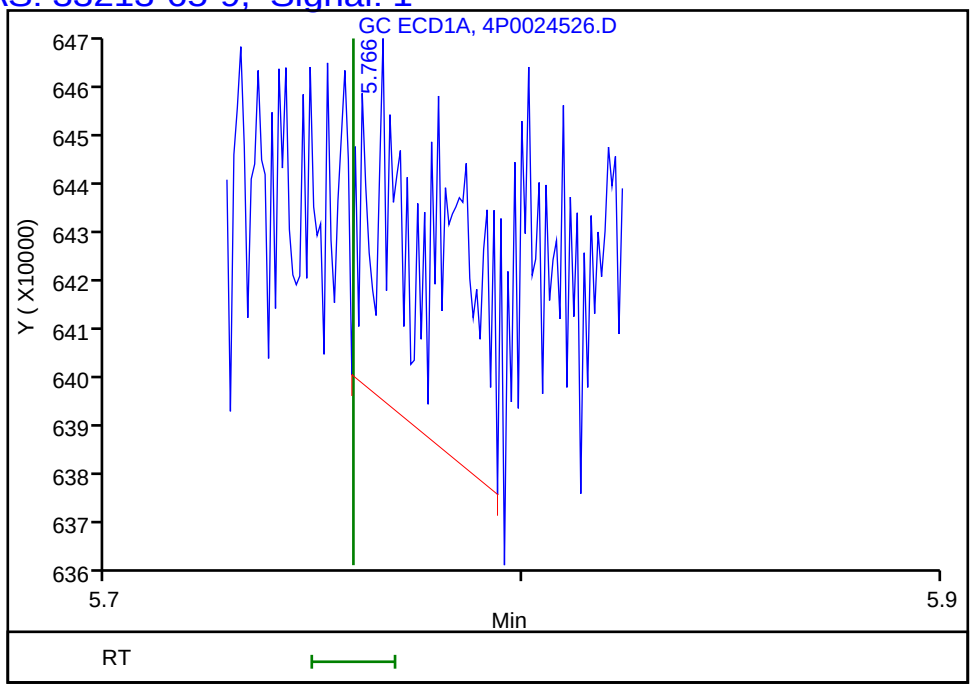
Column: Detector GC ECD1A

11 Endosulfan II, CAS: 33213-65-9, Signal: 1

RT: 5.77

Response: 79708

Amount: 0.073753



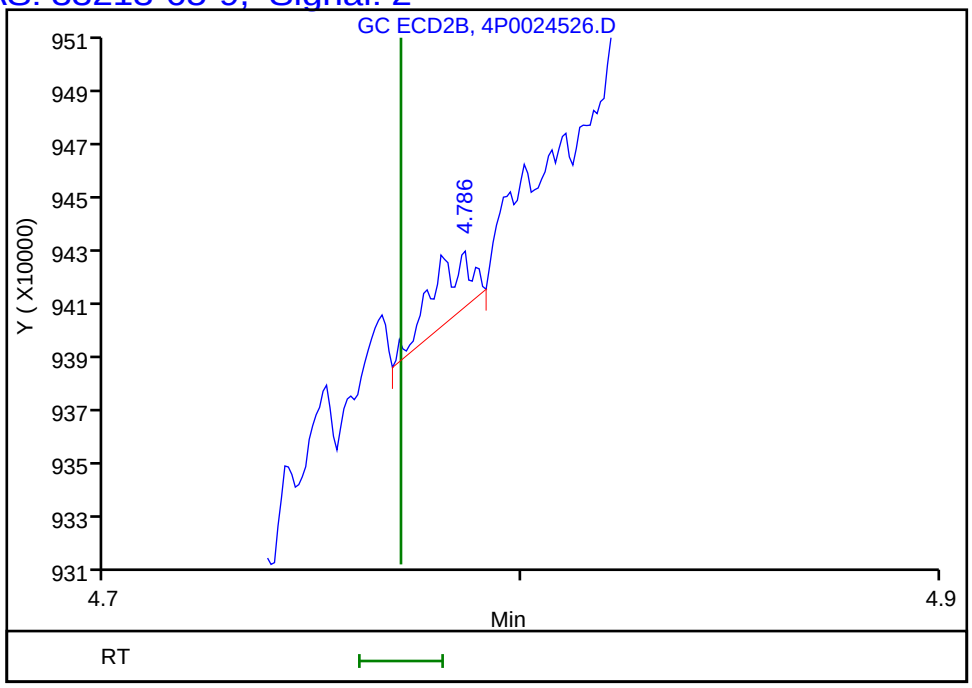
Column: Detector GC ECD2B

11 Endosulfan II, CAS: 33213-65-9, Signal: 2

RT: 4.79

Response: 14864

Amount: 0.008205



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

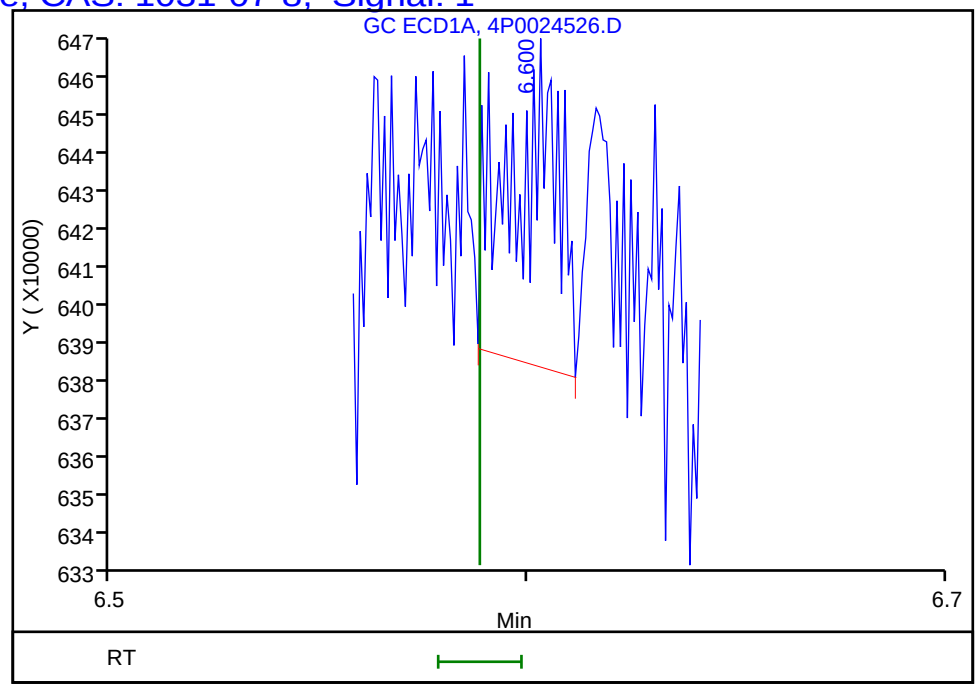
Column: Detector GC ECD1A

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 1

RT: 6.60

Response: 57329

Amount: 0.053811



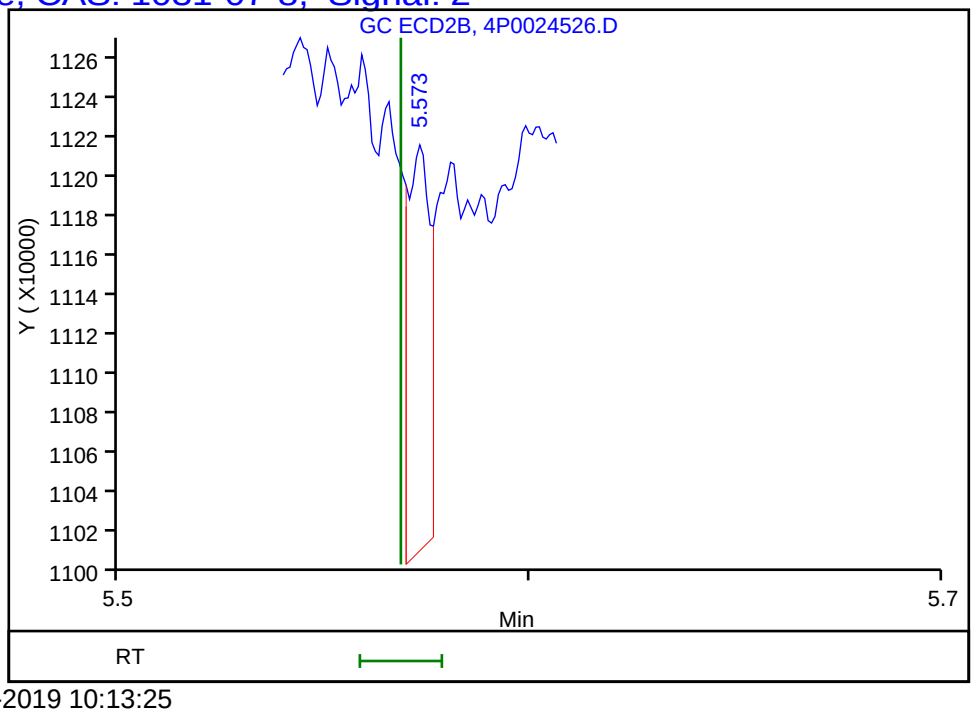
Column: Detector GC ECD2B

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 2

RT: 5.57

Response: 71671

Amount: 0.034937



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

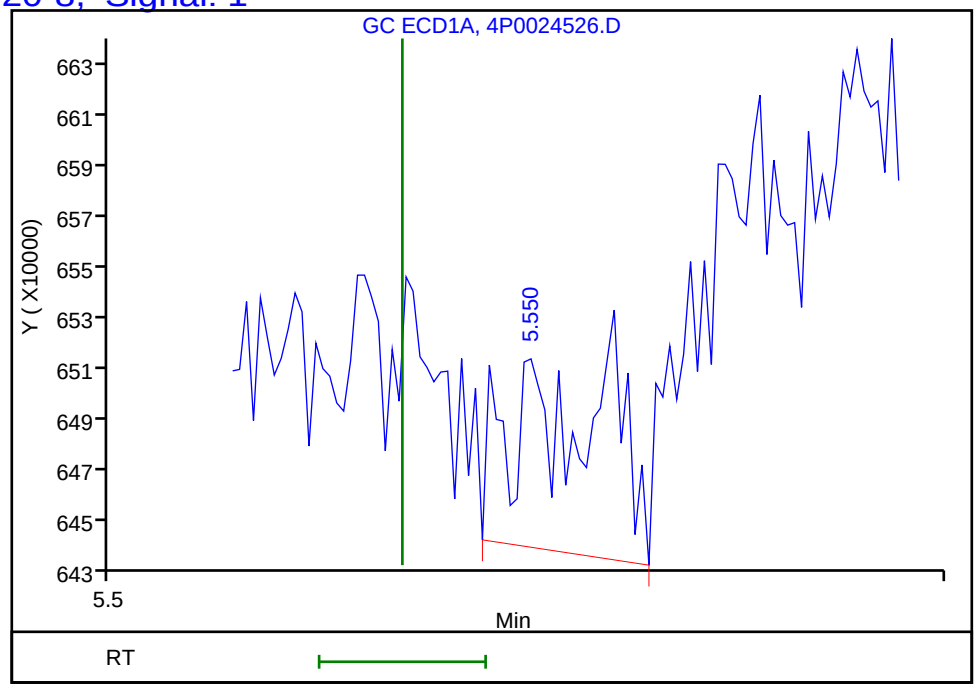
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

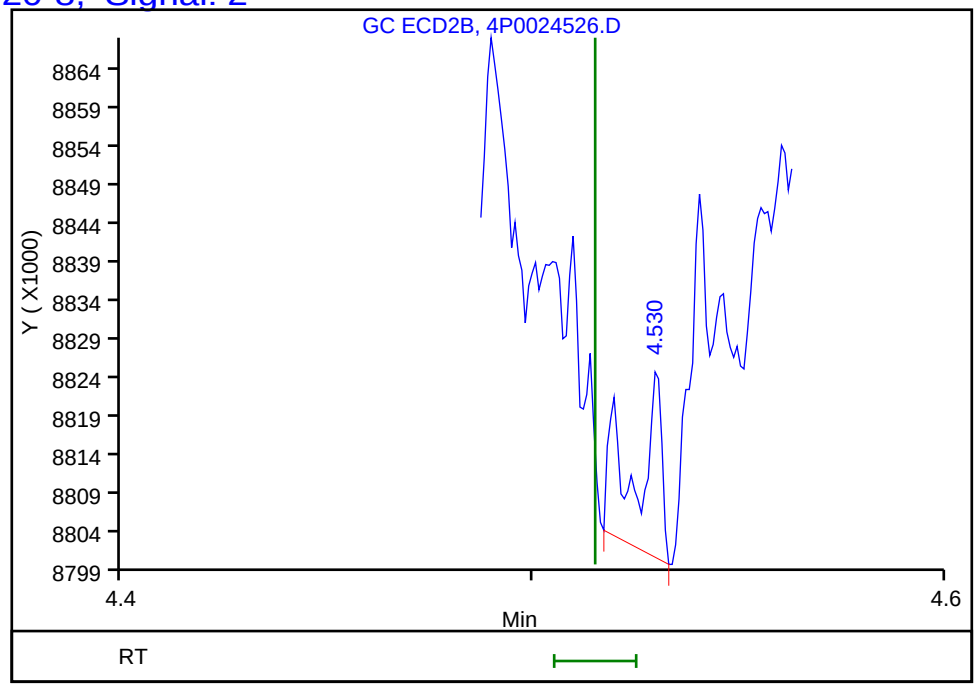
RT: 5.55
Response: 57106
Amount: 0.048123



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.53
Response: 10169
Amount: 0.005429



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

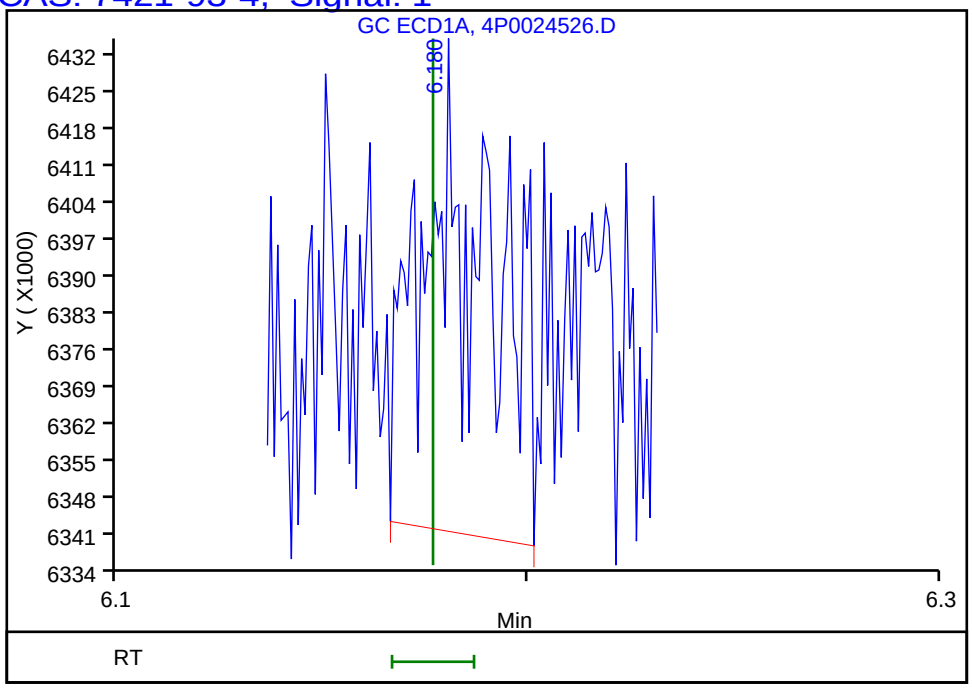
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4		
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 1

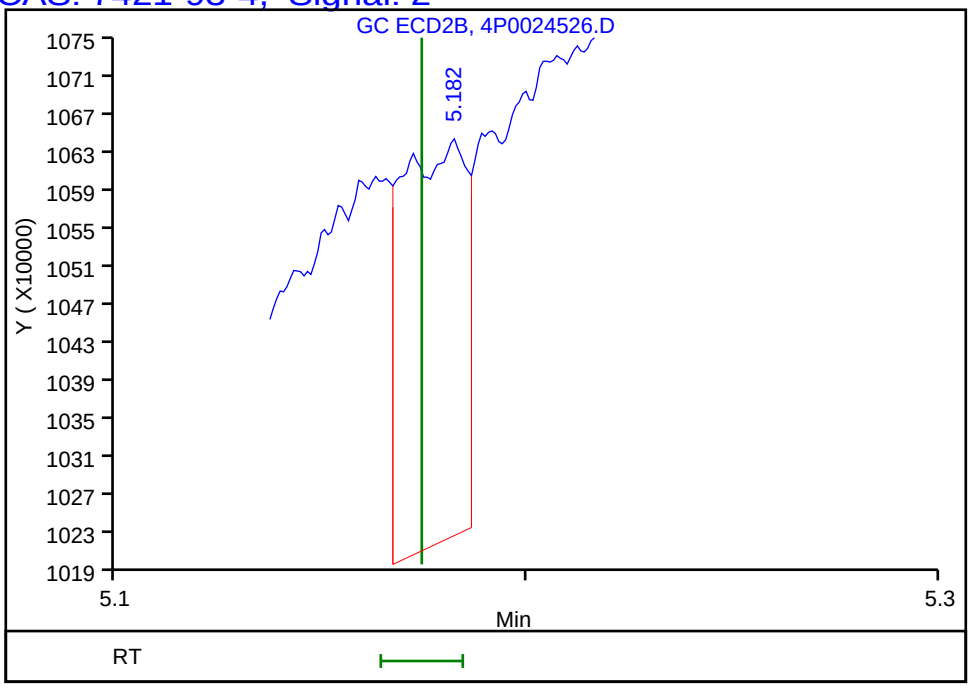
RT: 6.18
Response: 104690
Amount: 0.118628



Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 2

RT: 5.18
Response: 455177
Amount: 0.275232



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

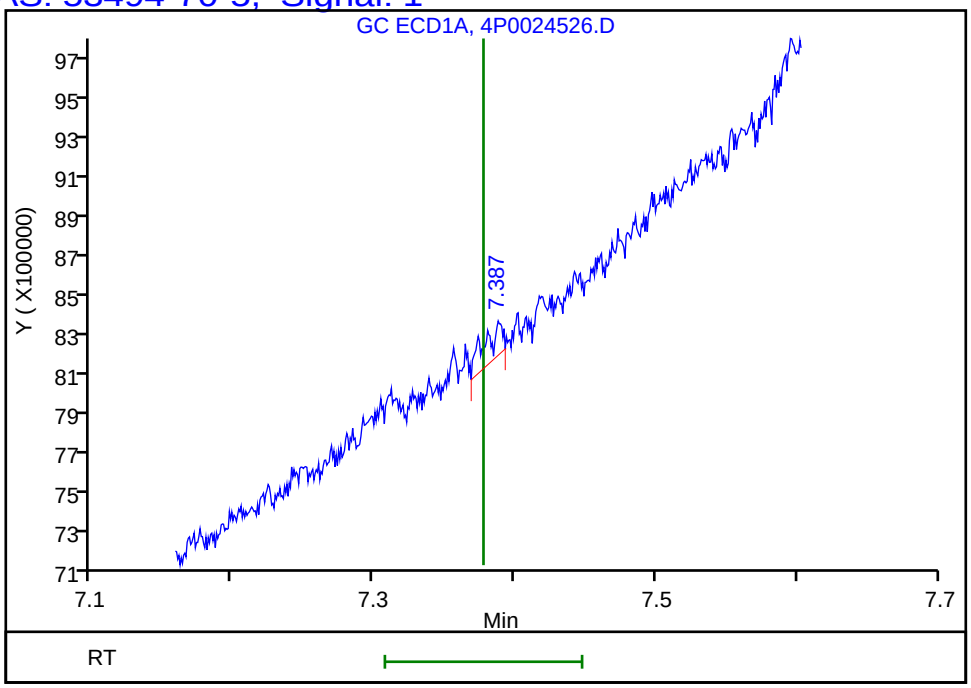
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D
Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4
Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1
Client ID: MW-2
Operator ID: ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

13 Endrin ketone, CAS: 53494-70-5, Signal: 1

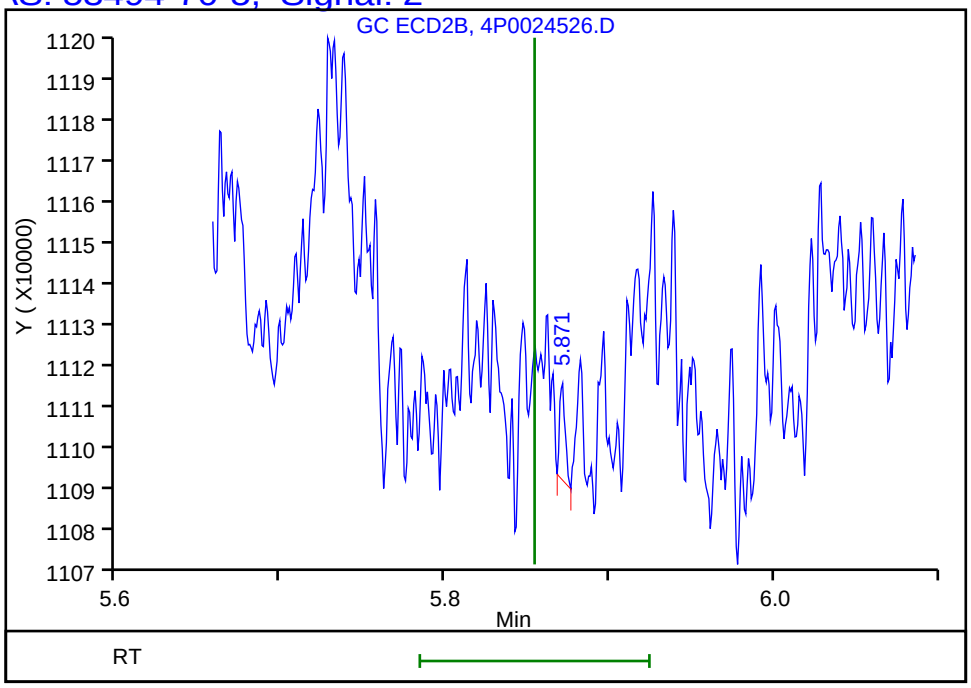
RT: 7.39
Response: 165232
Amount: 0.134732



Column: Detector GC ECD2B

13 Endrin ketone, CAS: 53494-70-5, Signal: 2

RT: 5.87
Response: 5259
Amount: 0.002295



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

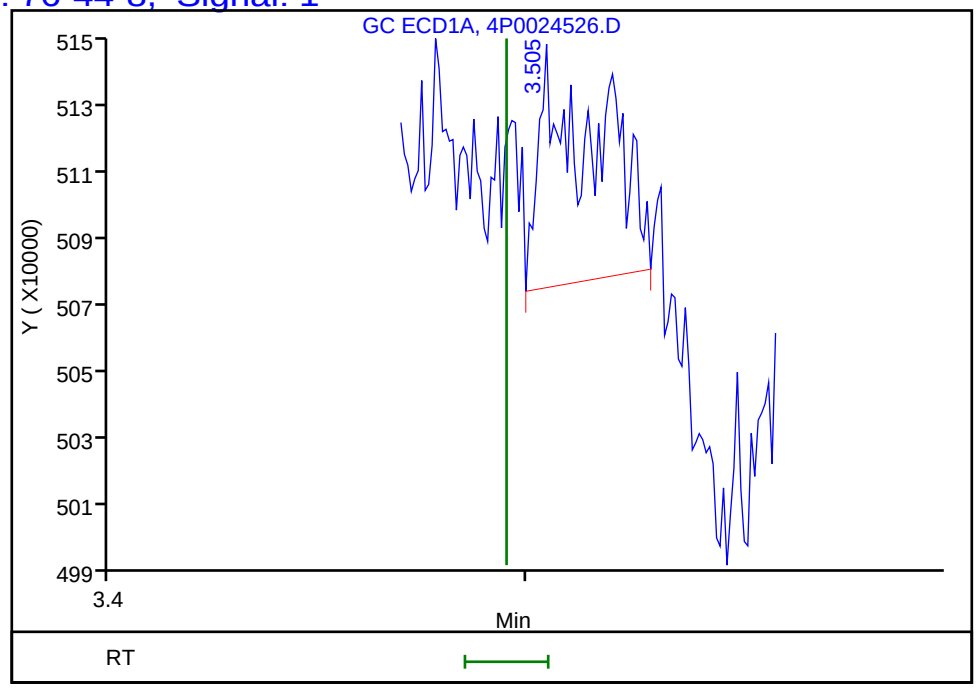
Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

RT: 3.50

Response: 64795

Amount: 0.049657



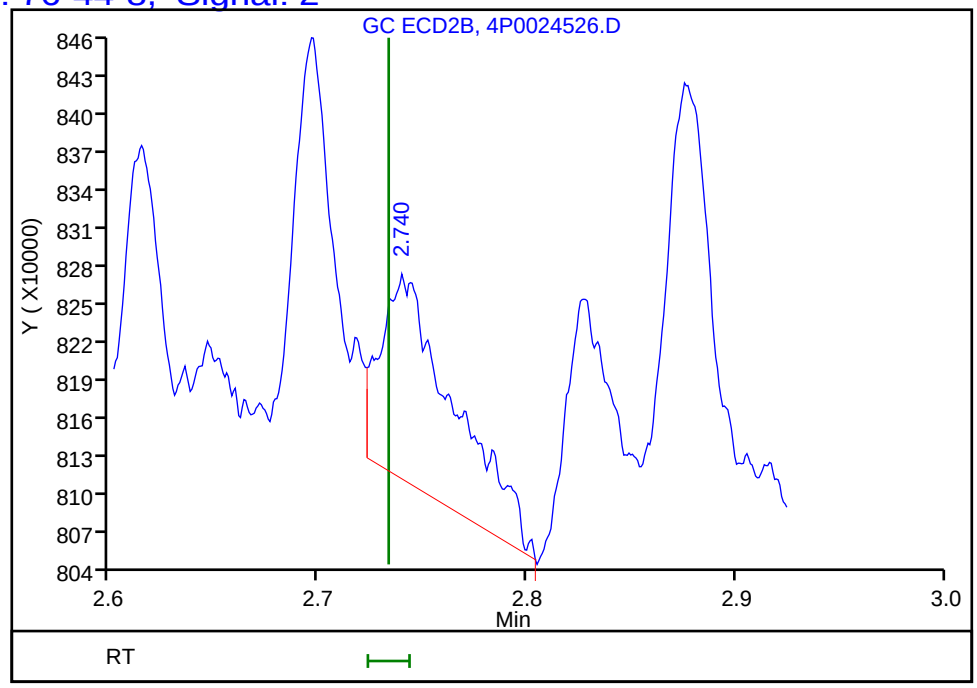
Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.74

Response: 398964

Amount: 0.173182



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

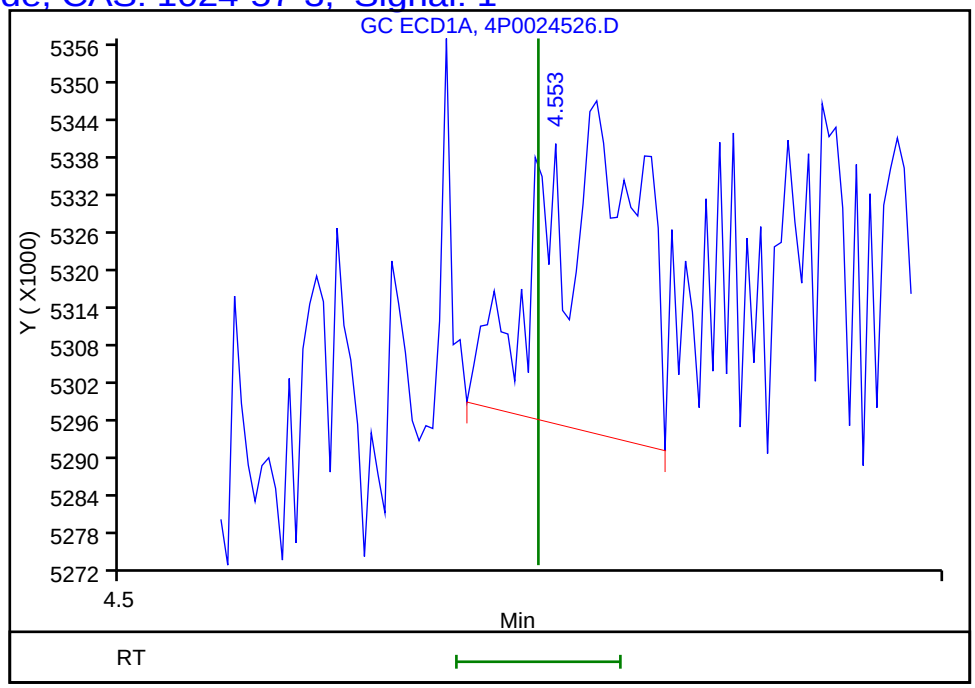
Column: Detector GC ECD1A

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 1

RT: 4.55

Response: 40734

Amount: 0.035563



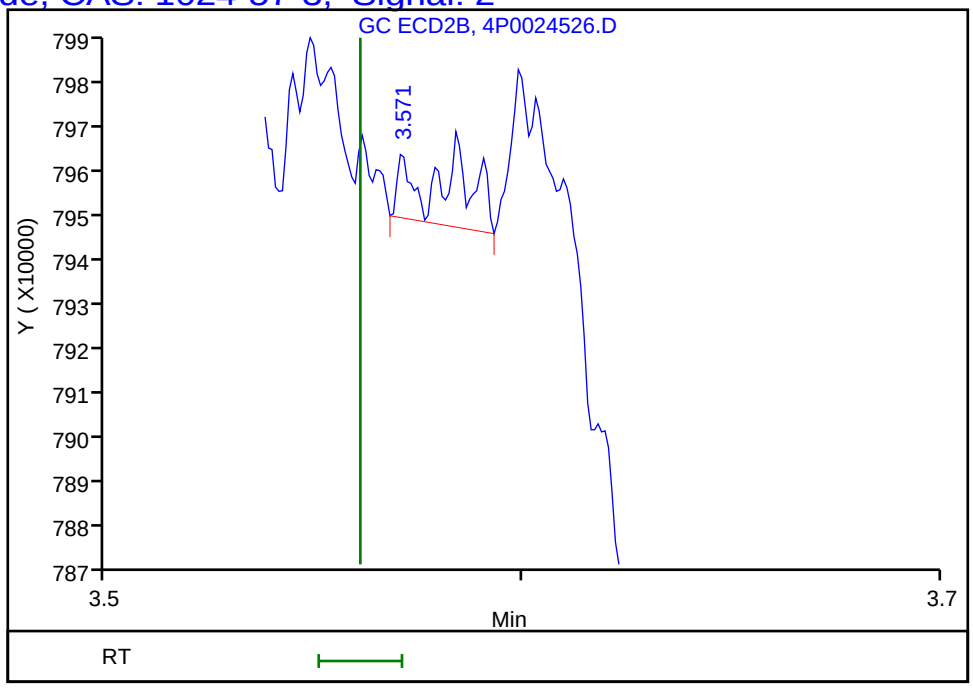
Column: Detector GC ECD2B

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 2

RT: 3.57

Response: 13080

Amount: 0.006627



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

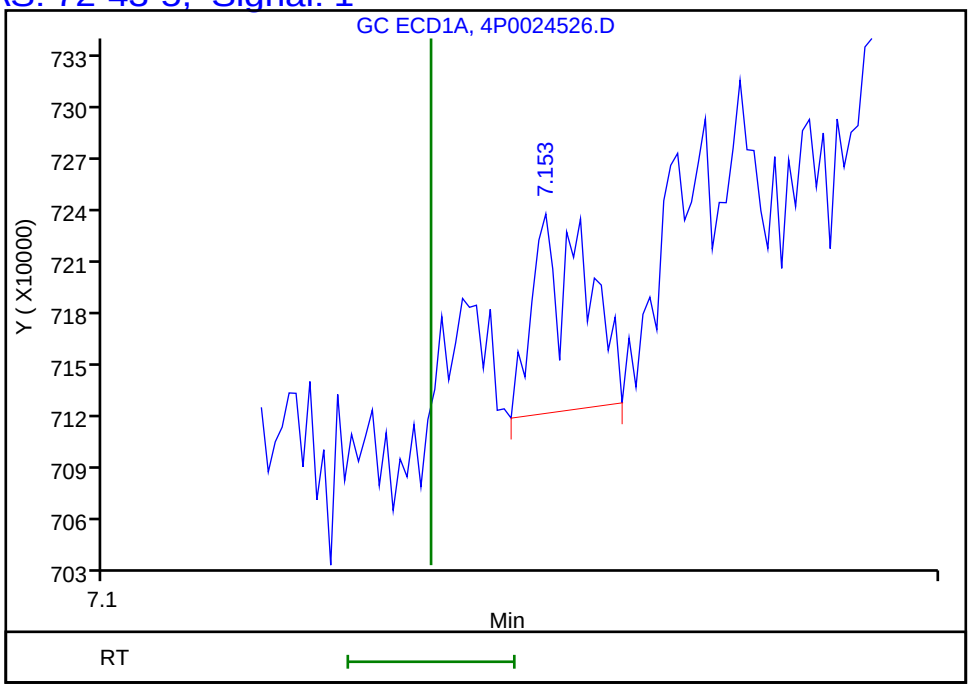
Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

RT: 7.15

Response: 50624

Amount: 0.083540



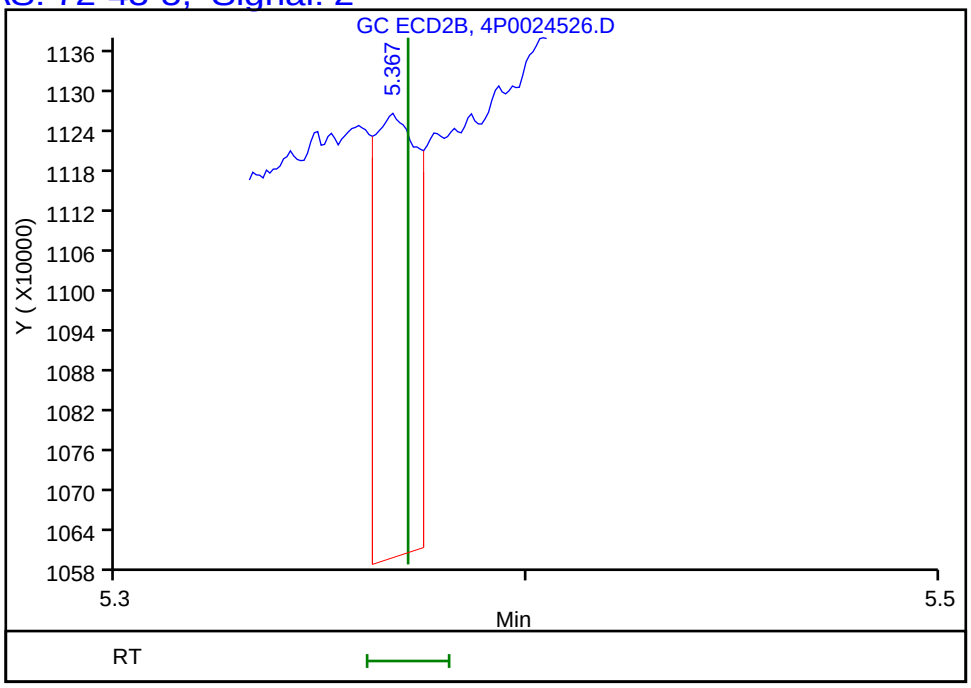
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.37

Response: 472906

Amount: 0.422484



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: 4P0024526.D

Analysis Method: 8081B Date Collected: 12/23/2019 09:45

Extraction Method: 3510C Date Extracted: 12/26/2019 15:34

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 10:00

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.0060	U *	0.020	0.0060
72-55-9	4,4'-DDE	0.0020	U *	0.020	0.0020
50-29-3	4,4'-DDT	0.0040	U *	0.020	0.0040
309-00-2	Aldrin	0.0030	U	0.020	0.0030
319-84-6	alpha-BHC	0.0070	U	0.020	0.0070
319-85-7	beta-BHC	0.0040	U	0.020	0.0040
12789-03-6	Chlordane (technical)	0.055	U	0.50	0.055
319-86-8	delta-BHC	0.0050	U	0.020	0.0050
60-57-1	Dieldrin	0.0030	U	0.020	0.0030
959-98-8	Endosulfan I	0.0020	U	0.020	0.0020
33213-65-9	Endosulfan II	0.0040	U *	0.020	0.0040
1031-07-8	Endosulfan sulfate	0.0060	U *	0.020	0.0060
72-20-8	Endrin	0.0040	U *	0.020	0.0040
7421-93-4	Endrin aldehyde	0.0080	U *	0.020	0.0080
53494-70-5	Endrin ketone	0.0080	U *	0.020	0.0080
58-89-9	gamma-BHC (Lindane)	0.012	U	0.020	0.012
76-44-8	Heptachlor	0.0030	U	0.020	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.020	0.0050
72-43-5	Methoxychlor	0.0040	U *	0.020	0.0040
8001-35-2	Toxaphene	0.11	U	0.50	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	51		10-150
877-09-8	Tetrachloro-m-xylene	69		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D
Lims ID: 460-199723-F-1-B
Client ID: MW-2
Sample Type: Client
Inject. Date: 27-Dec-2019 10:00:21 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-019
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 10:13:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.680	1.679	0.001	77484053	100.0	
2	1.506	1.507	-0.001	164228801	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.233	2.232	0.001	61583935	70.0	
2	1.872	1.873	-0.001	114870593	69.2	
					RPD = 1.23	
$ 24 DCB Decachlorobiphenyl						
1	8.435	8.435	0.000	54100465	54.3	
2	7.377	7.381	-0.004	115456237	51.5	
					RPD = 5.41	

Reagents:

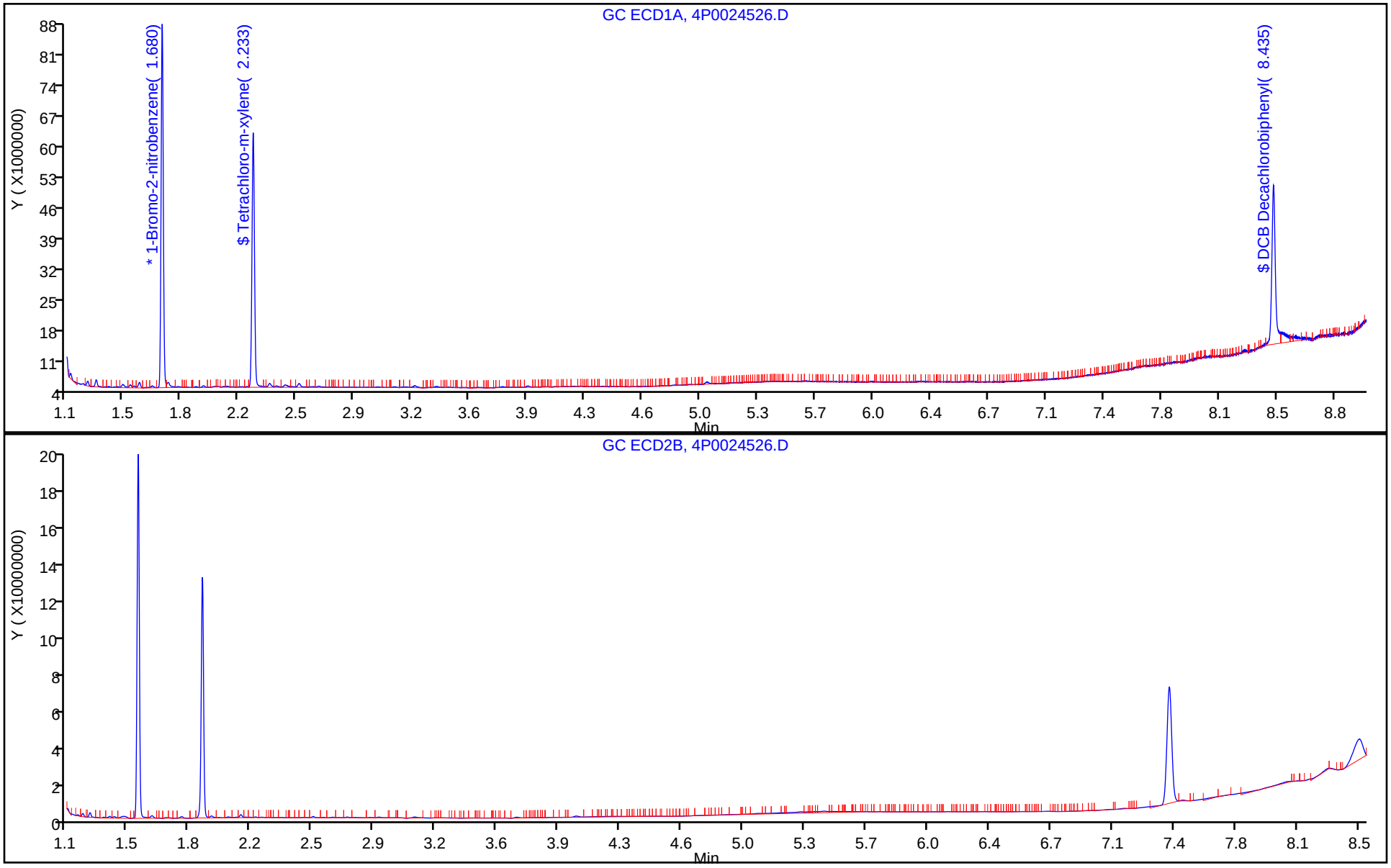
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:15:11 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1	Worklist Smp#:	19
Client ID:	MW-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



User Disabled Compound Report

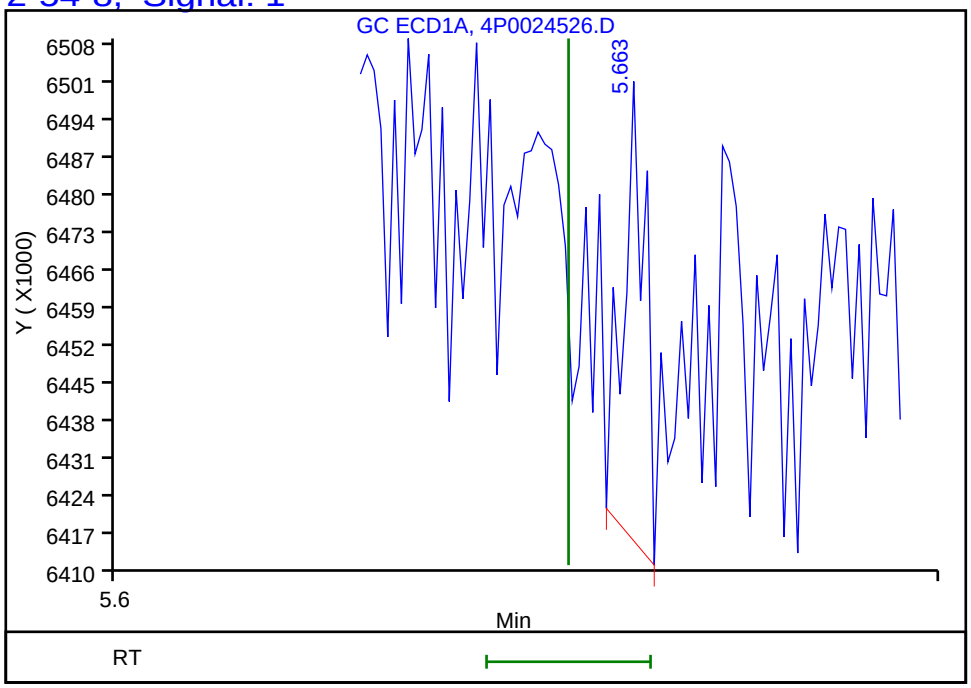
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

16 4,4'-DDD, CAS: 72-54-8, Signal: 1

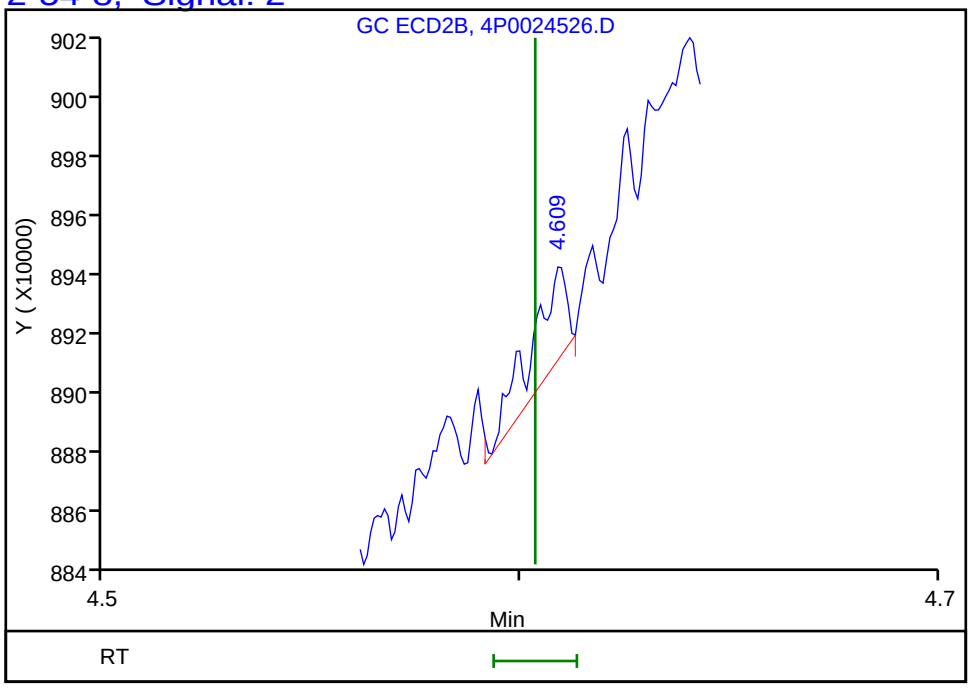
RT: 5.66
Response: 15897
Amount: 0.015397



Column: Detector GC ECD2B

16 4,4'-DDD, CAS: 72-54-8, Signal: 2

RT: 4.61
Response: 18821
Amount: 0.012104



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

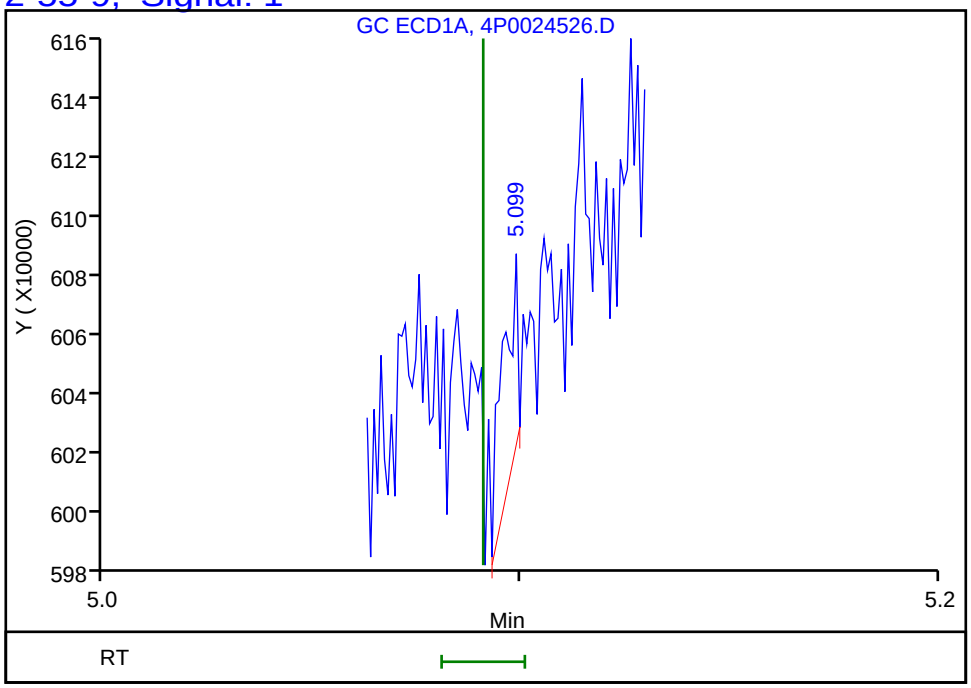
Column: Detector GC ECD1A

25 4,4'-DDE, CAS: 72-55-9, Signal: 1

RT: 5.10

Response: 16063

Amount: 0.013741



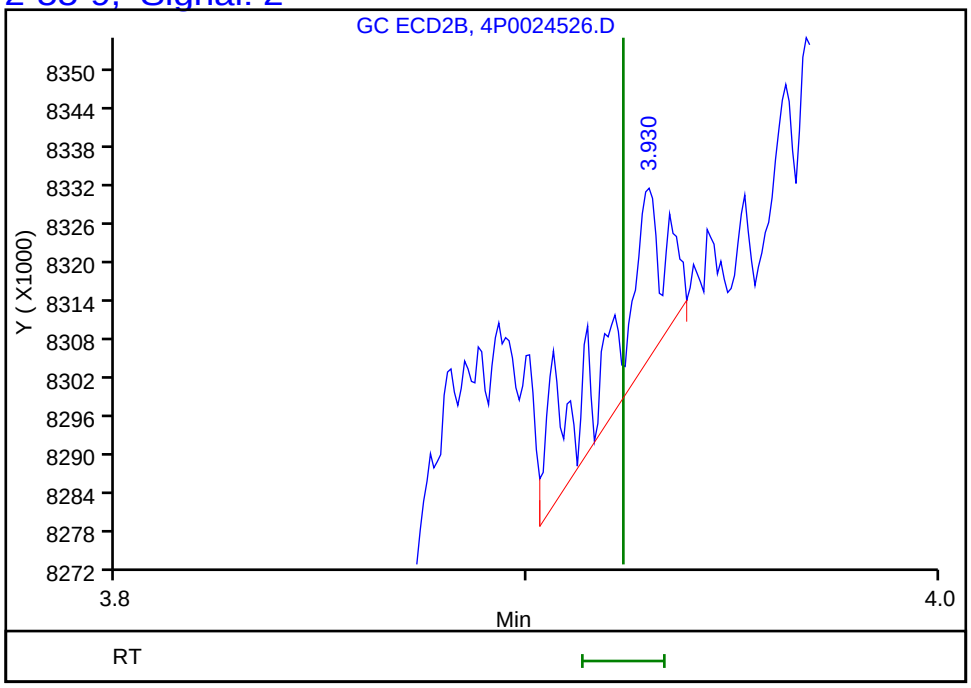
Column: Detector GC ECD2B

25 4,4'-DDE, CAS: 72-55-9, Signal: 2

RT: 3.93

Response: 27058

Amount: 0.014823



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

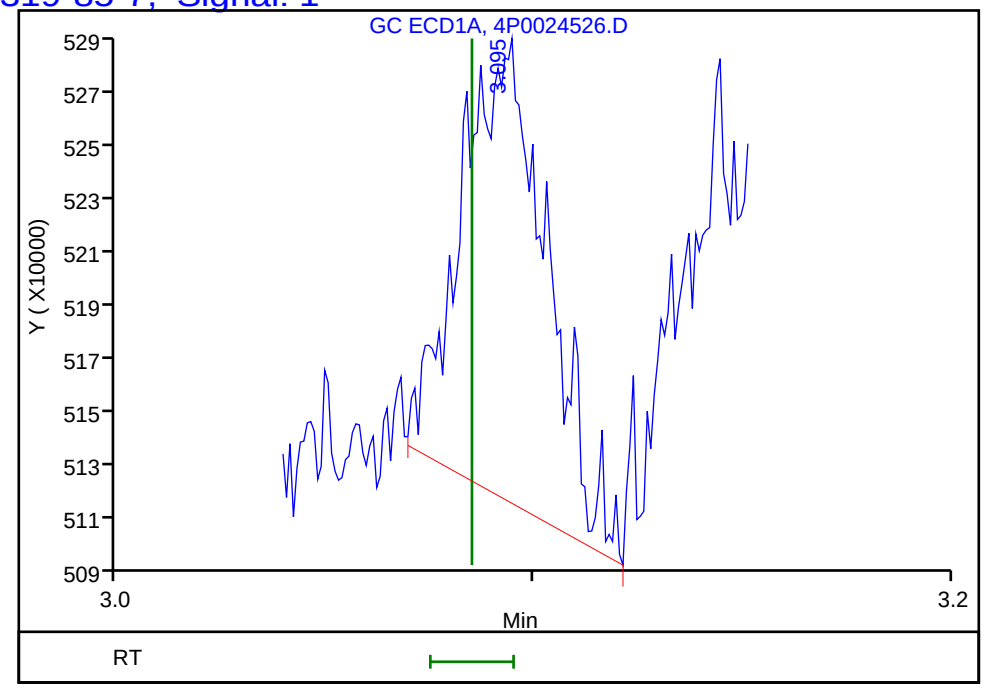
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

6 beta-BHC, CAS: 319-85-7, Signal: 1

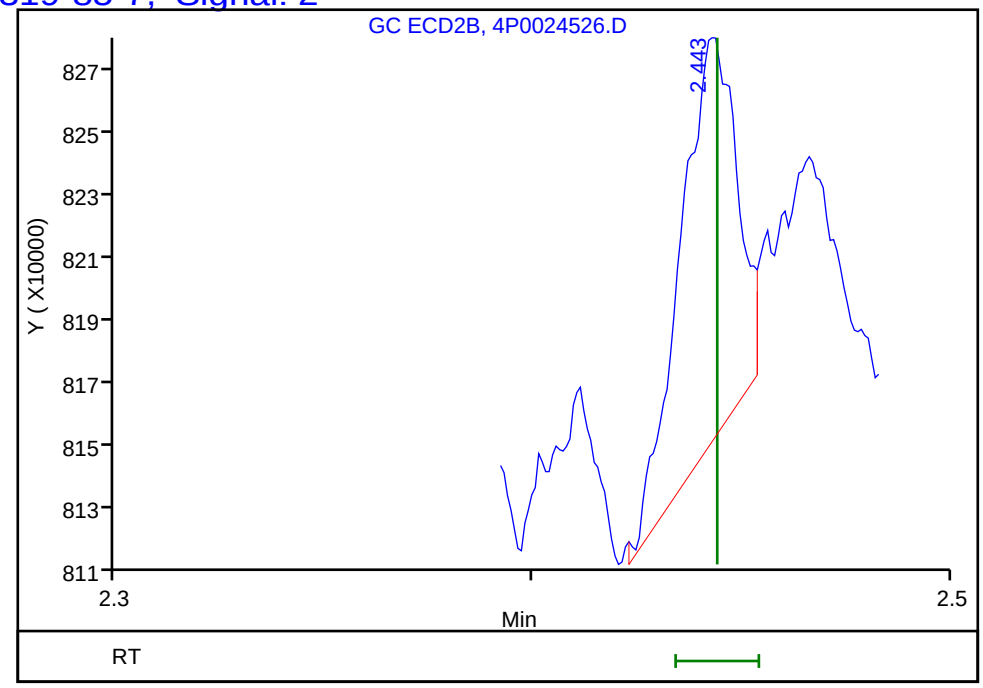
RT: 3.09
Response: 234888
Amount: 0.430840



Column: Detector GC ECD2B

6 beta-BHC, CAS: 319-85-7, Signal: 2

RT: 2.44
Response: 121853
Amount: 0.121588



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

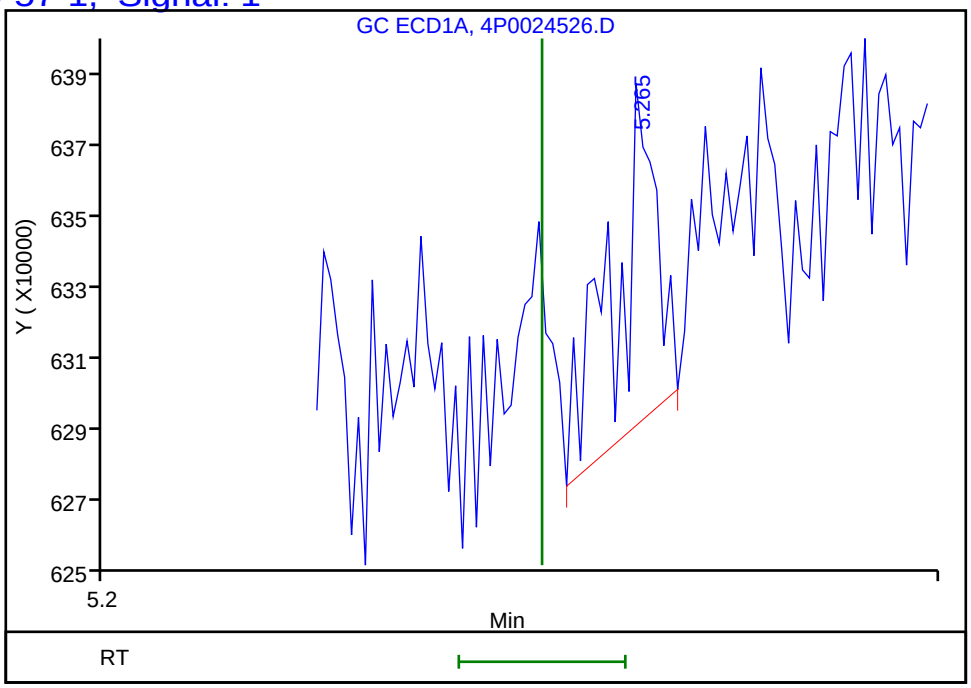
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

30 Dieldrin, CAS: 60-57-1, Signal: 1

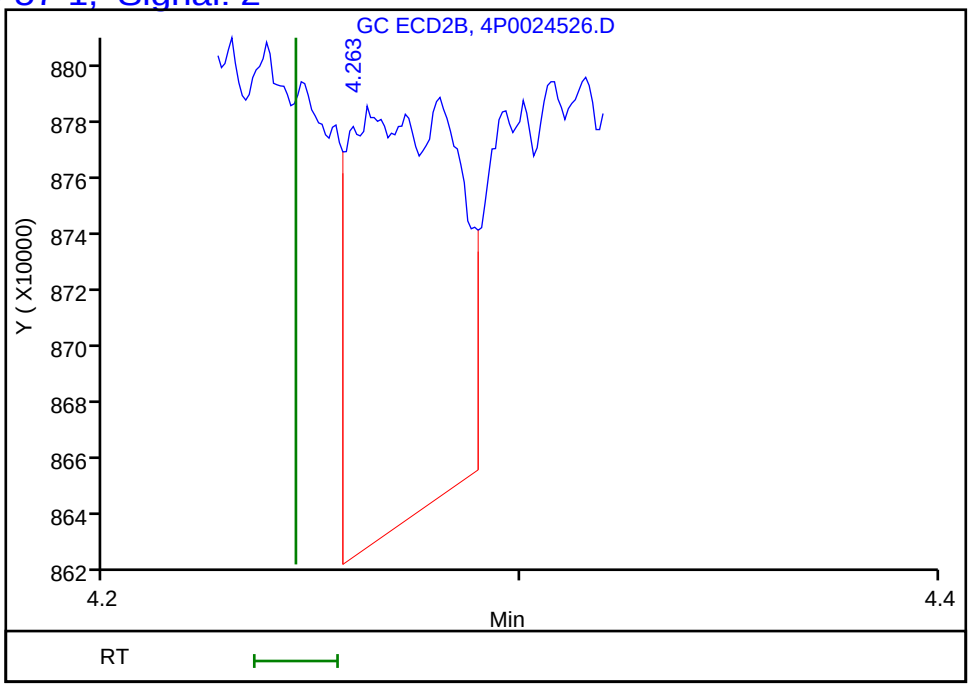
RT: 5.26
Response: 31466
Amount: 0.024719



Column: Detector GC ECD2B

30 Dieldrin, CAS: 60-57-1, Signal: 2

RT: 4.26
Response: 249057
Amount: 0.125108



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

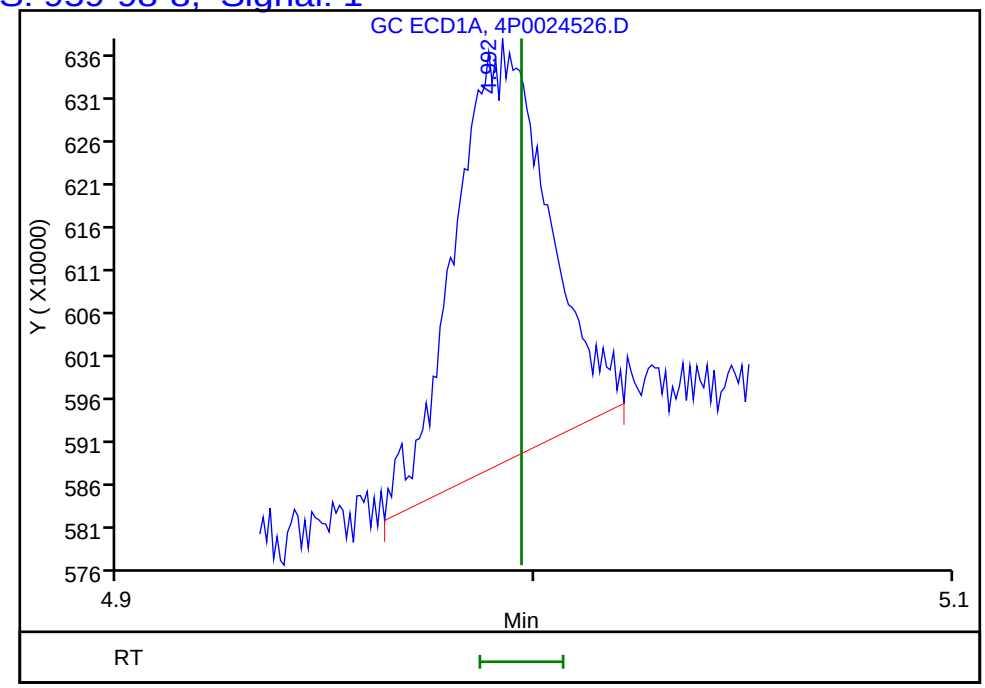
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4		
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

7 Endosulfan I, CAS: 959-98-8, Signal: 1

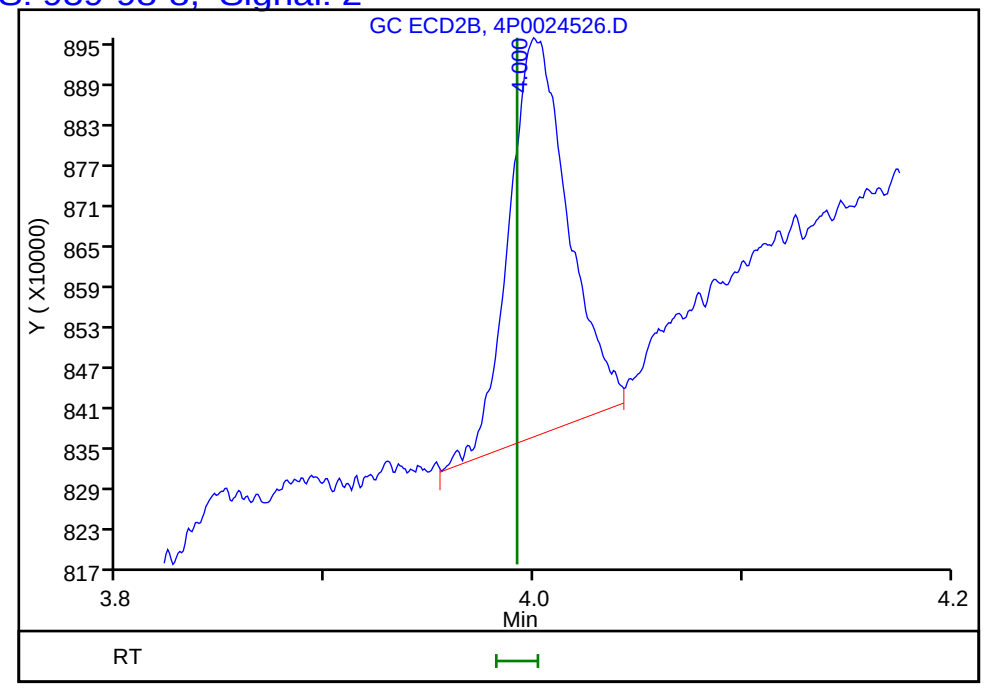
RT: 4.99
Response: 771324
Amount: 0.720644



Column: Detector GC ECD2B

7 Endosulfan I, CAS: 959-98-8, Signal: 2

RT: 4.00
Response: 1168190
Amount: 0.641462



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

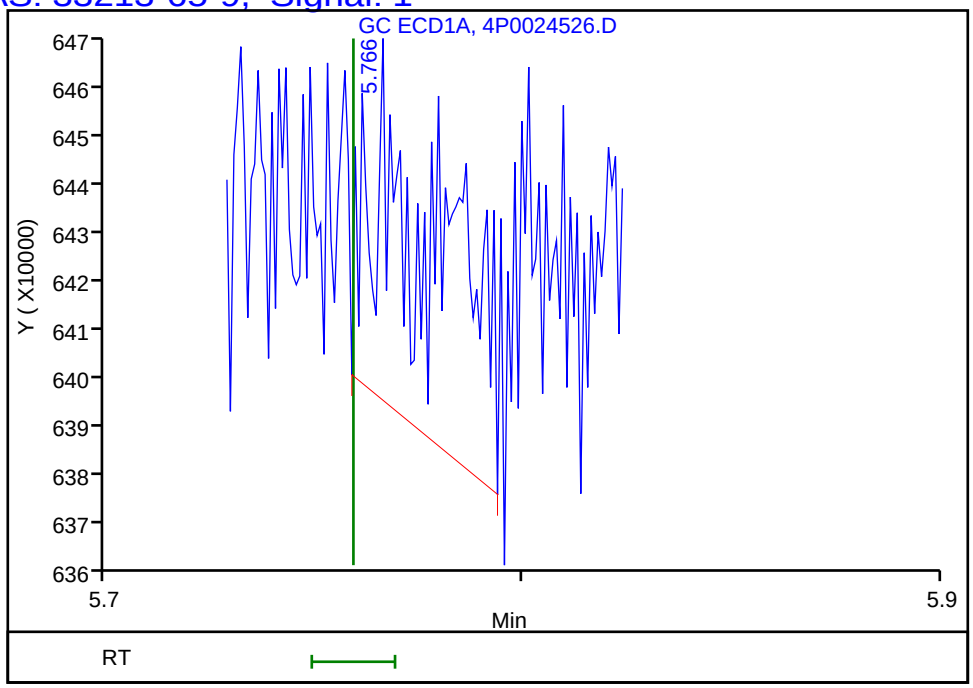
Column: Detector GC ECD1A

11 Endosulfan II, CAS: 33213-65-9, Signal: 1

RT: 5.77

Response: 79708

Amount: 0.073753



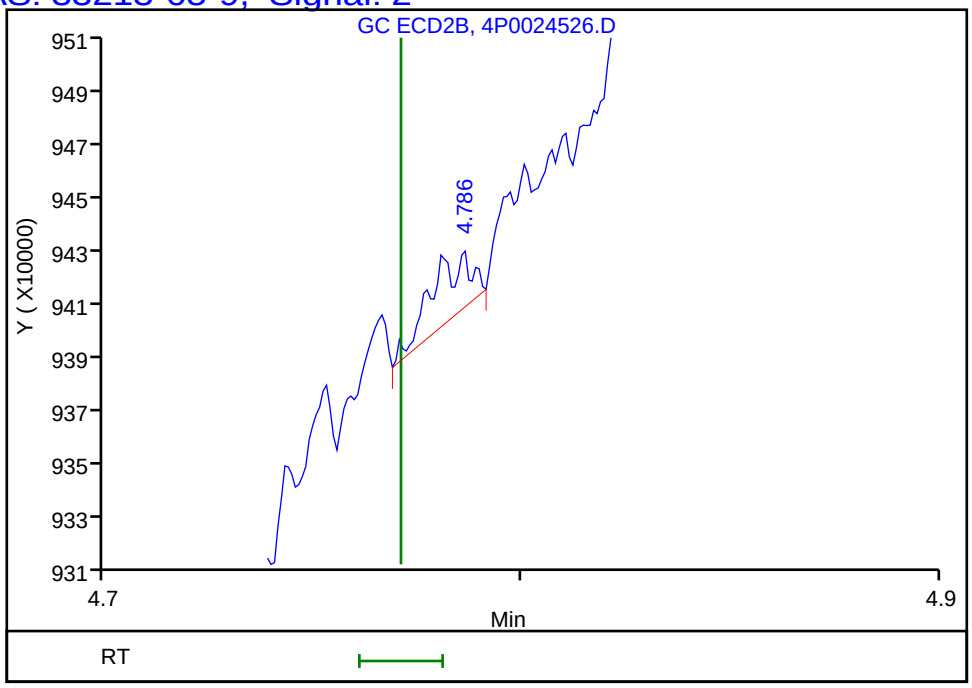
Column: Detector GC ECD2B

11 Endosulfan II, CAS: 33213-65-9, Signal: 2

RT: 4.79

Response: 14864

Amount: 0.008205



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

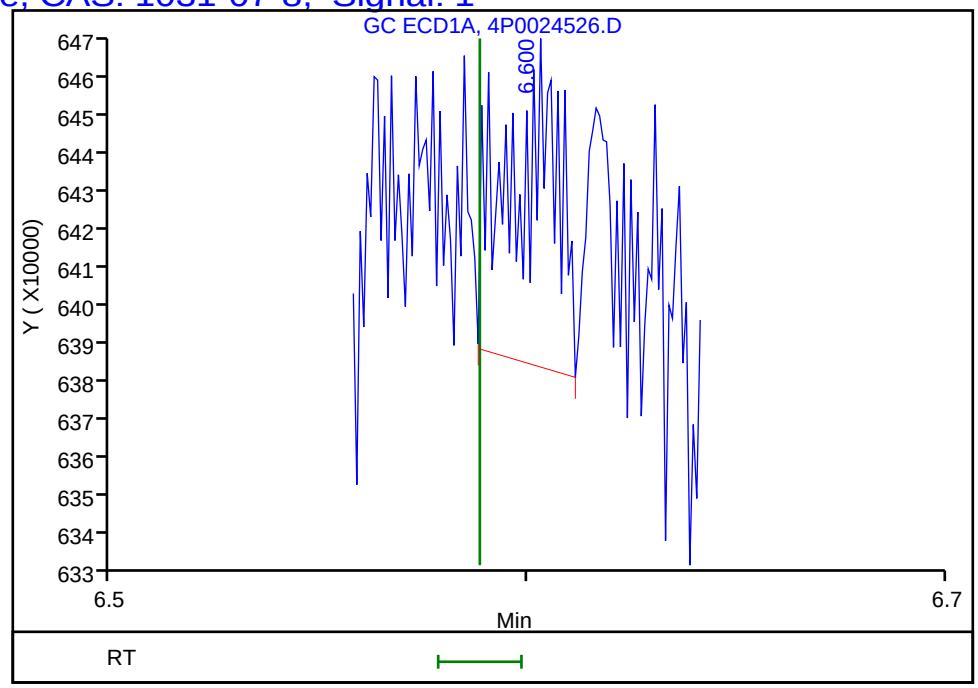
Column: Detector GC ECD1A

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 1

RT: 6.60

Response: 57329

Amount: 0.053811



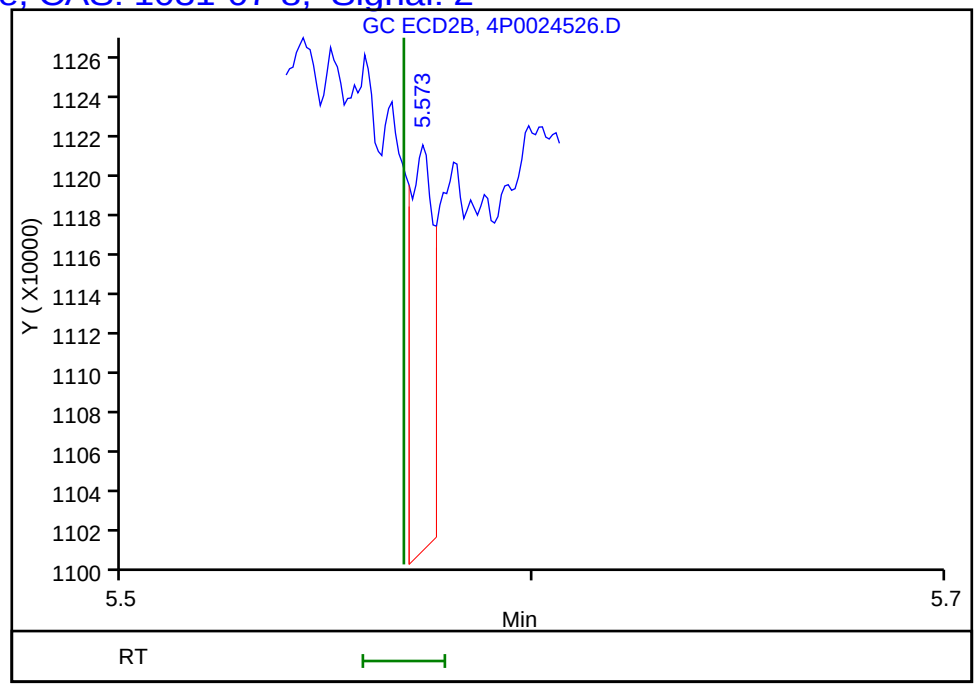
Column: Detector GC ECD2B

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 2

RT: 5.57

Response: 71671

Amount: 0.034937



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

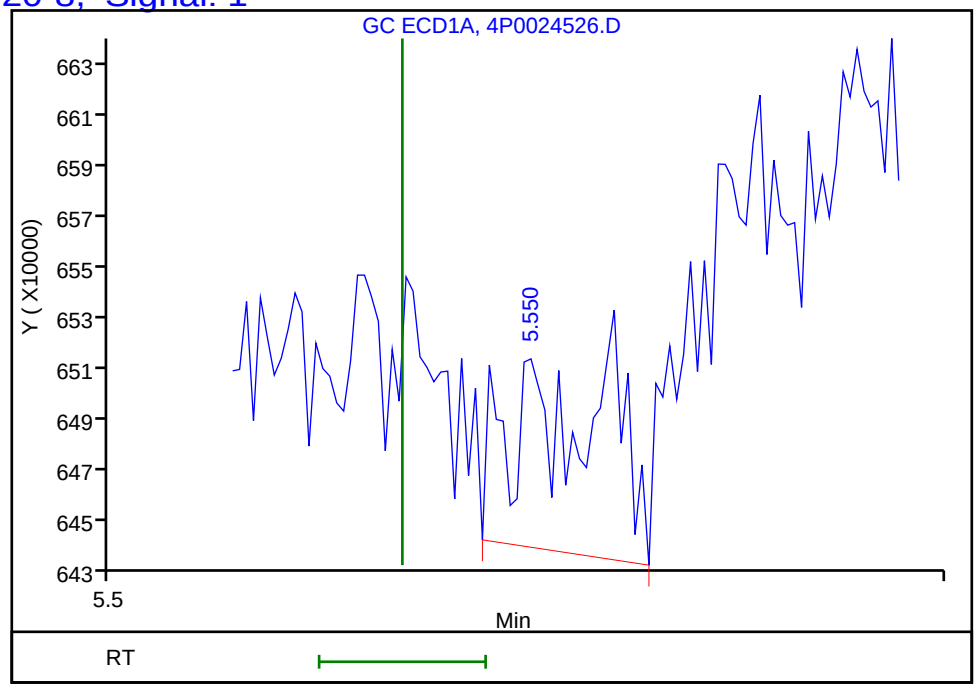
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

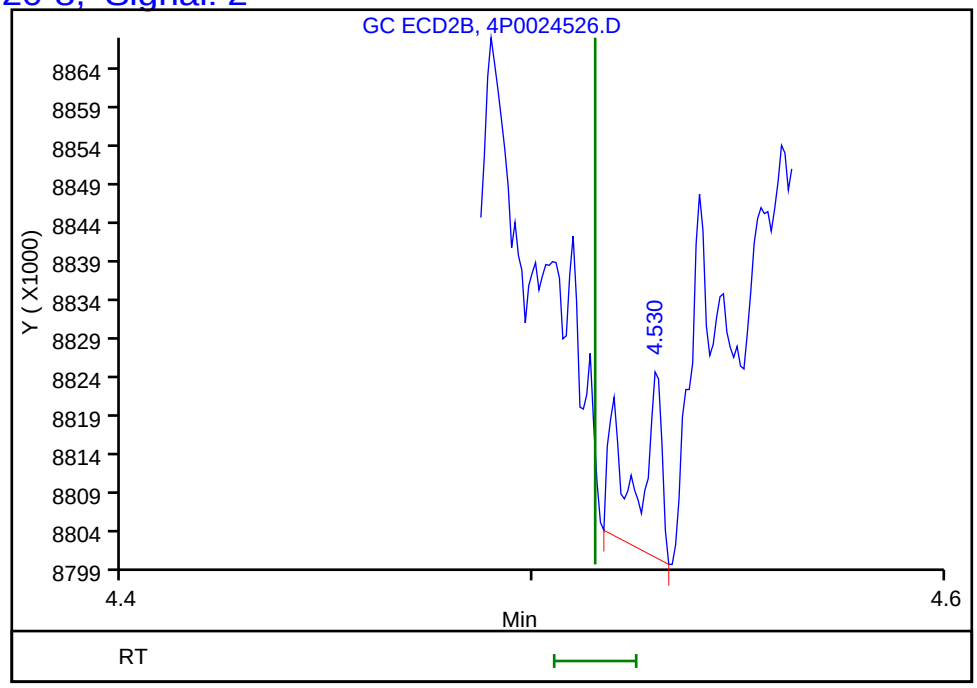
RT: 5.55
Response: 57106
Amount: 0.048123



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.53
Response: 10169
Amount: 0.005429



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

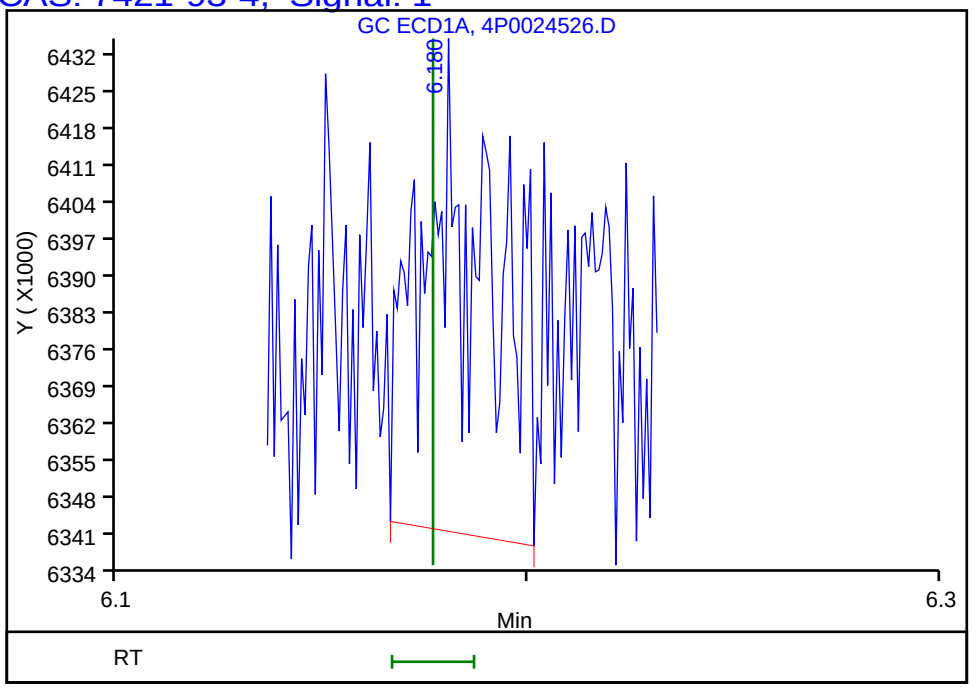
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4		
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 1

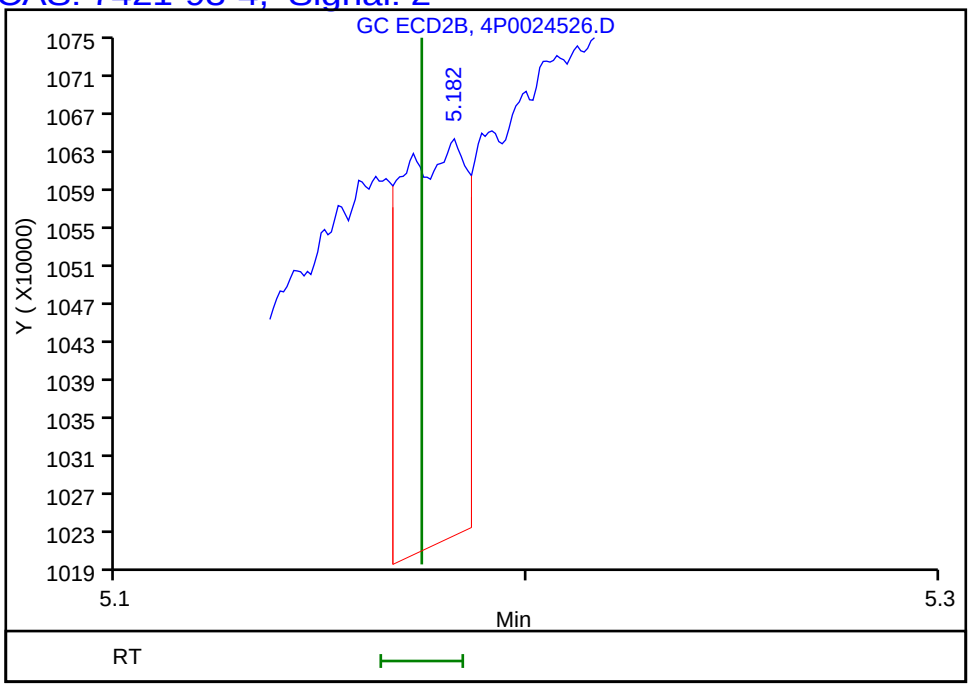
RT: 6.18
Response: 104690
Amount: 0.118628



Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 2

RT: 5.18
Response: 455177
Amount: 0.275232



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

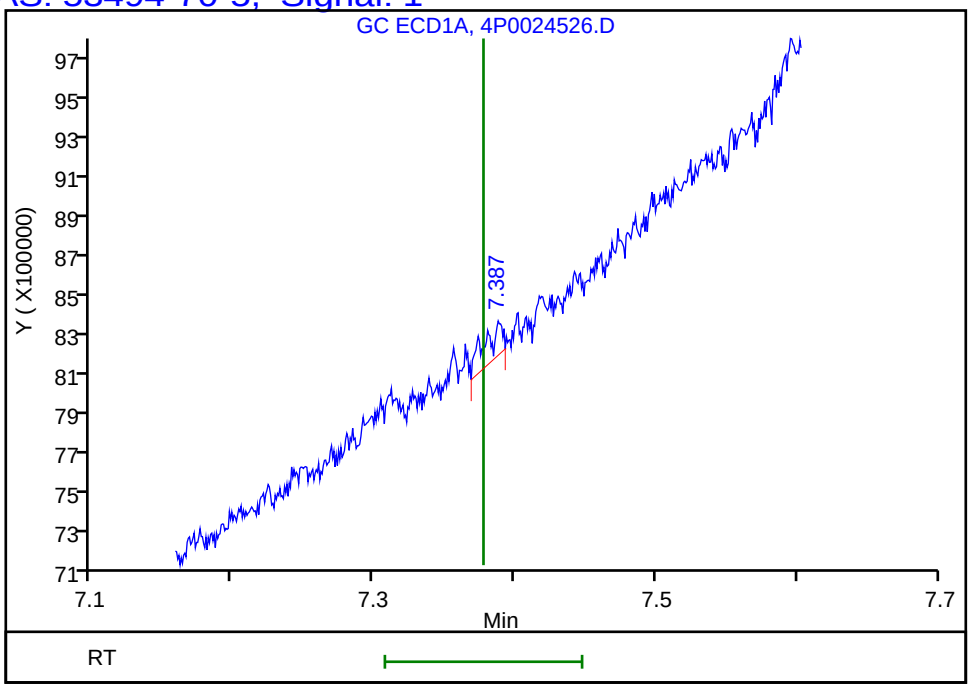
Column: Detector GC ECD1A

13 Endrin ketone, CAS: 53494-70-5, Signal: 1

RT: 7.39

Response: 165232

Amount: 0.134732



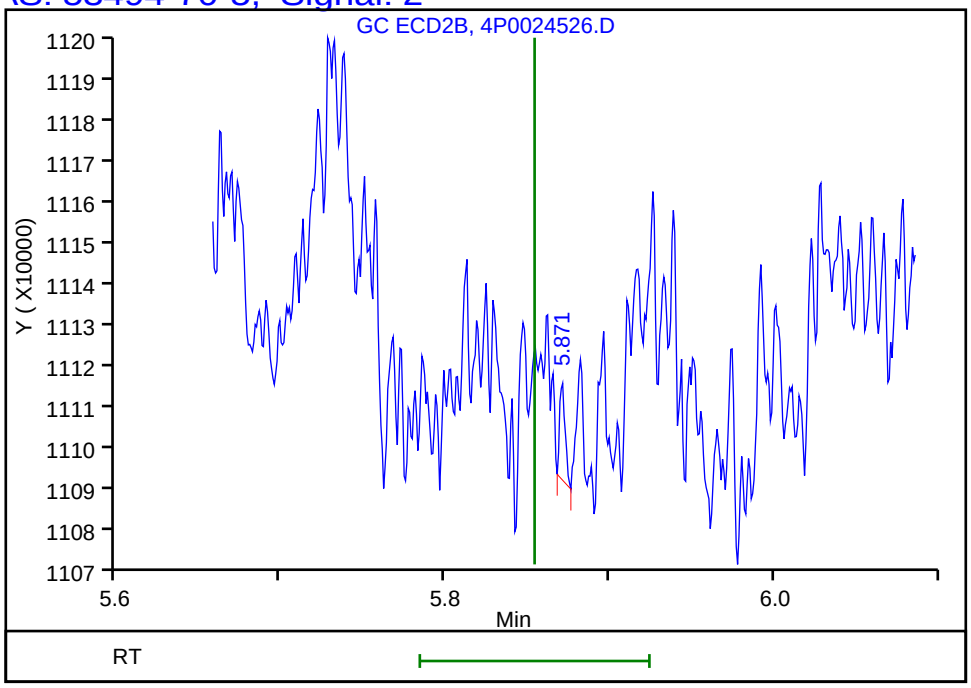
Column: Detector GC ECD2B

13 Endrin ketone, CAS: 53494-70-5, Signal: 2

RT: 5.87

Response: 5259

Amount: 0.002295



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

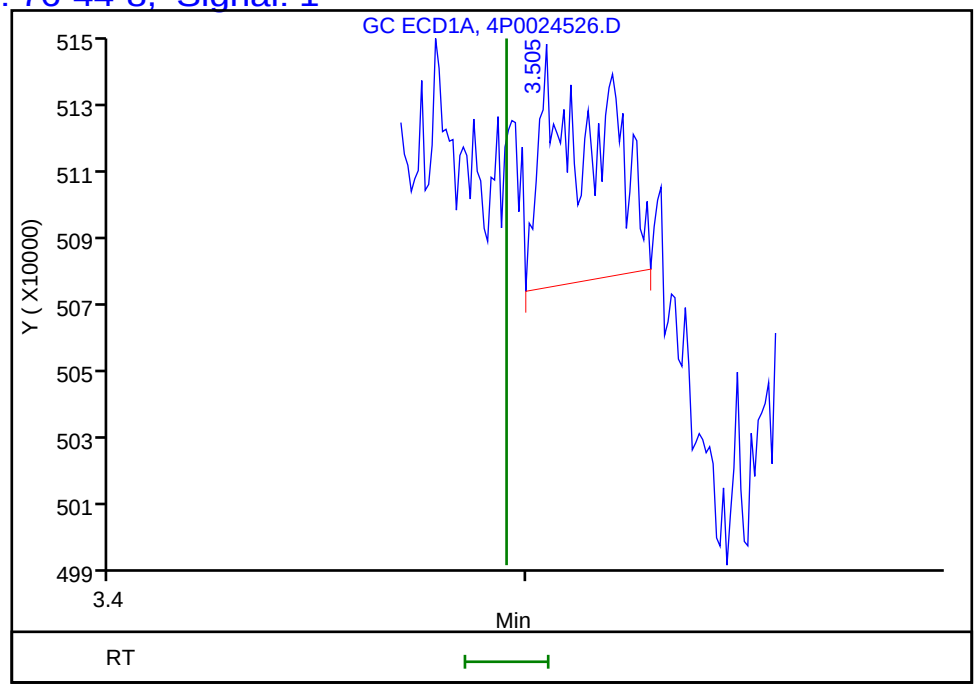
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

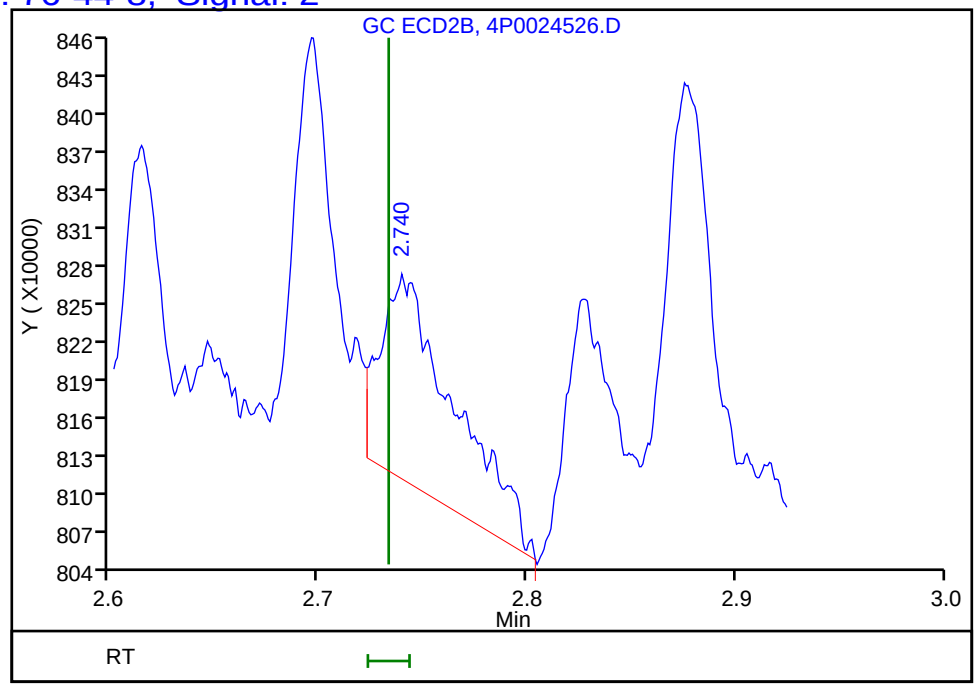
RT: 3.50
Response: 64795
Amount: 0.049657



Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.74
Response: 398964
Amount: 0.173182



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date: 27-Dec-2019 10:00:21 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-1-B Lab Sample ID: 460-199723-1

Client ID: MW-2

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

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

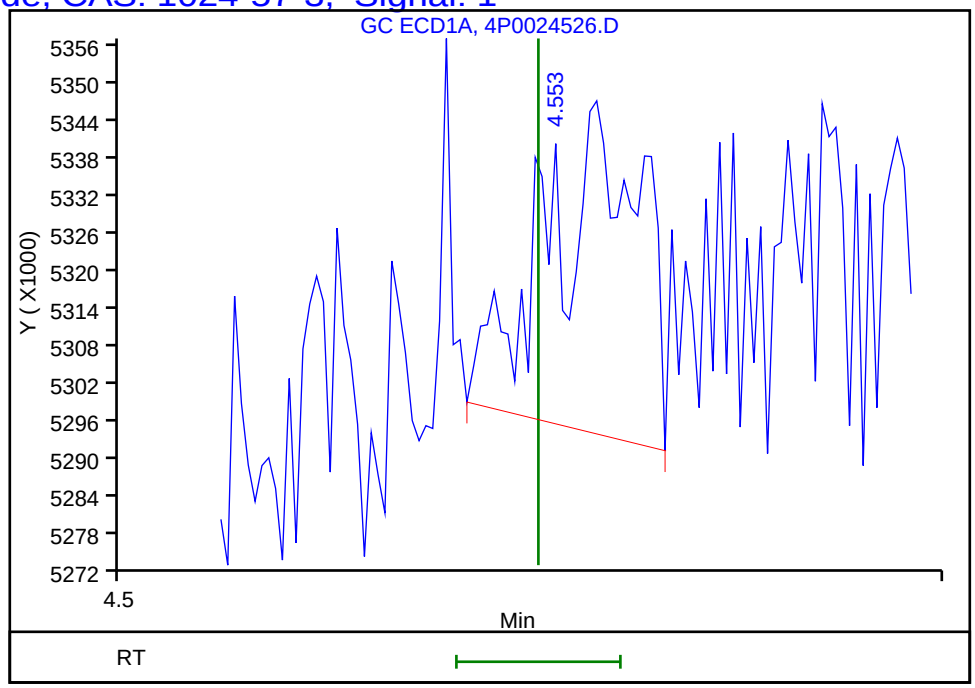
Column: Detector GC ECD1A

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 1

RT: 4.55

Response: 40734

Amount: 0.035563



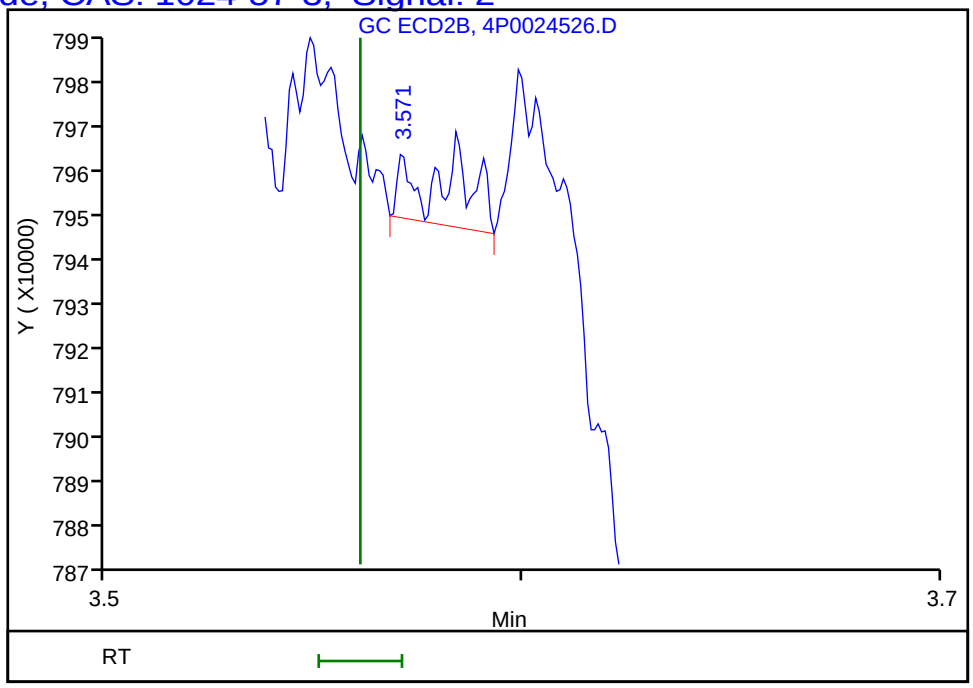
Column: Detector GC ECD2B

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 2

RT: 3.57

Response: 13080

Amount: 0.006627



Reviewer: manlangitf, 27-Dec-2019 10:13:25

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

User Disabled Compound Report

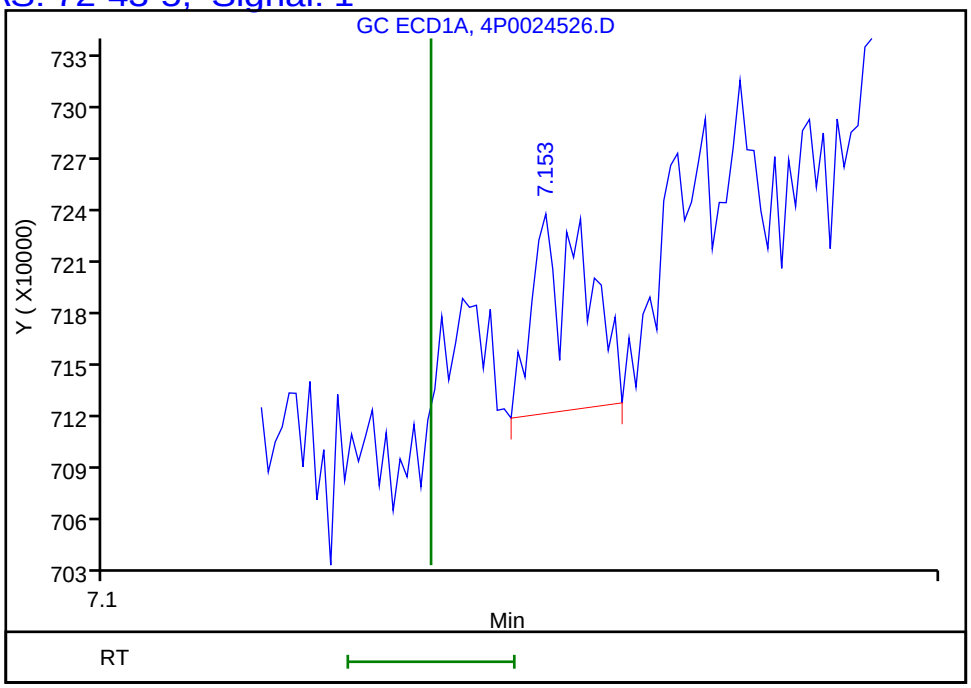
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024526.D

Injection Date:	27-Dec-2019 10:00:21	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-1-B	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

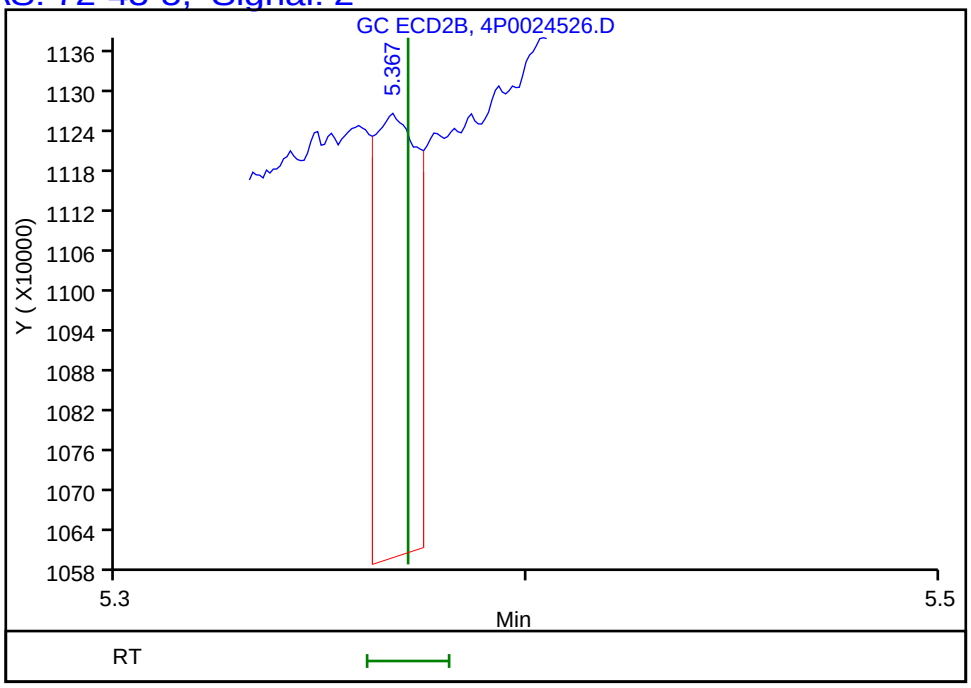
RT: 7.15
Response: 50624
Amount: 0.083540



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.37
Response: 472906
Amount: 0.422484



Reviewer: manlangitf, 27-Dec-2019 10:13:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: 4P0024527.D

Analysis Method: 8081B Date Collected: 12/23/2019 11:35

Extraction Method: 3510C Date Extracted: 12/26/2019 21:29

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 10:16

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	25		10-150
877-09-8	Tetrachloro-m-xylene	38		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024527.D
Lims ID: 460-199723-F-2-B
Client ID: MW-1
Sample Type: Client
Inject. Date: 27-Dec-2019 10:16:01 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-020
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.679	1.679	0.000	79338378	100.0	
2	1.507	1.507	0.000	158938706	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.231	2.232	-0.001	33854194	37.6	
2	1.872	1.873	-0.001	52802856	32.8	
					RPD = 13.46	
$ 24 DCB Decachlorobiphenyl						
1	8.433	8.435	-0.002	25515240	25.0	
2	7.378	7.381	-0.003	55298115	25.5	
					RPD = 1.77	

Reagents:

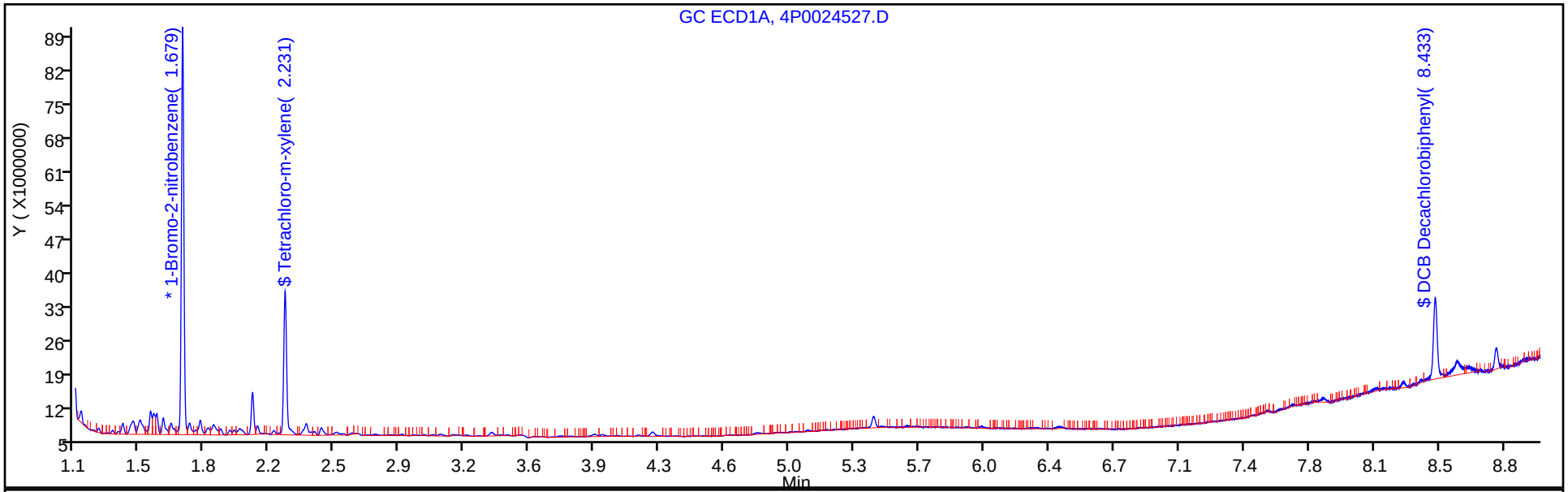
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

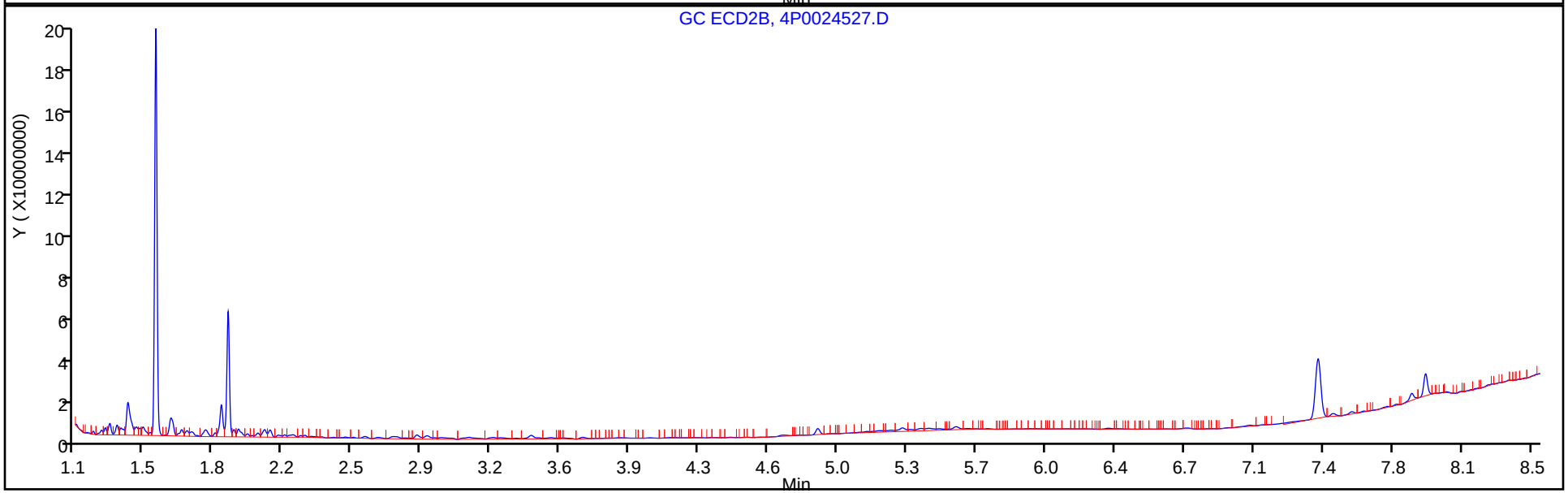
Report Date: 30-Dec-2019 04:15:15 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024527.D

Injection Date:	27-Dec-2019 10:16:01	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	460-199723-F-2-B	Lab Sample ID:	460-199723-2	Worklist Smp#:	20
Client ID:	MW-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: 4P0024527.D

Analysis Method: 8081B Date Collected: 12/23/2019 11:35

Extraction Method: 3510C Date Extracted: 12/26/2019 21:29

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 10:16

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.0060	U *	0.020	0.0060
72-55-9	4,4'-DDE	0.0020	U *	0.020	0.0020
50-29-3	4,4'-DDT	0.0040	U *	0.020	0.0040
309-00-2	Aldrin	0.0030	U	0.020	0.0030
319-84-6	alpha-BHC	0.0070	U	0.020	0.0070
319-85-7	beta-BHC	0.0040	U	0.020	0.0040
12789-03-6	Chlordane (technical)	0.055	U	0.50	0.055
319-86-8	delta-BHC	0.0050	U	0.020	0.0050
60-57-1	Dieldrin	0.0030	U	0.020	0.0030
959-98-8	Endosulfan I	0.0020	U	0.020	0.0020
33213-65-9	Endosulfan II	0.0040	U *	0.020	0.0040
1031-07-8	Endosulfan sulfate	0.0060	U *	0.020	0.0060
72-20-8	Endrin	0.0040	U *	0.020	0.0040
7421-93-4	Endrin aldehyde	0.0080	U *	0.020	0.0080
53494-70-5	Endrin ketone	0.0080	U *	0.020	0.0080
58-89-9	gamma-BHC (Lindane)	0.012	U	0.020	0.012
76-44-8	Heptachlor	0.0030	U	0.020	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.020	0.0050
72-43-5	Methoxychlor	0.0040	U *	0.020	0.0040
8001-35-2	Toxaphene	0.11	U	0.50	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	25		10-150
877-09-8	Tetrachloro-m-xylene	33		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024527.D
Lims ID: 460-199723-F-2-B
Client ID: MW-1
Sample Type: Client
Inject. Date: 27-Dec-2019 10:16:01 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-020
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.679	1.679	0.000	79338378	100.0	
2	1.507	1.507	0.000	158938706	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.231	2.232	-0.001	33854194	37.6	
2	1.872	1.873	-0.001	52802856	32.8	
					RPD = 13.46	
$ 24 DCB Decachlorobiphenyl						
1	8.433	8.435	-0.002	25515240	25.0	
2	7.378	7.381	-0.003	55298115	25.5	
					RPD = 1.77	

Reagents:

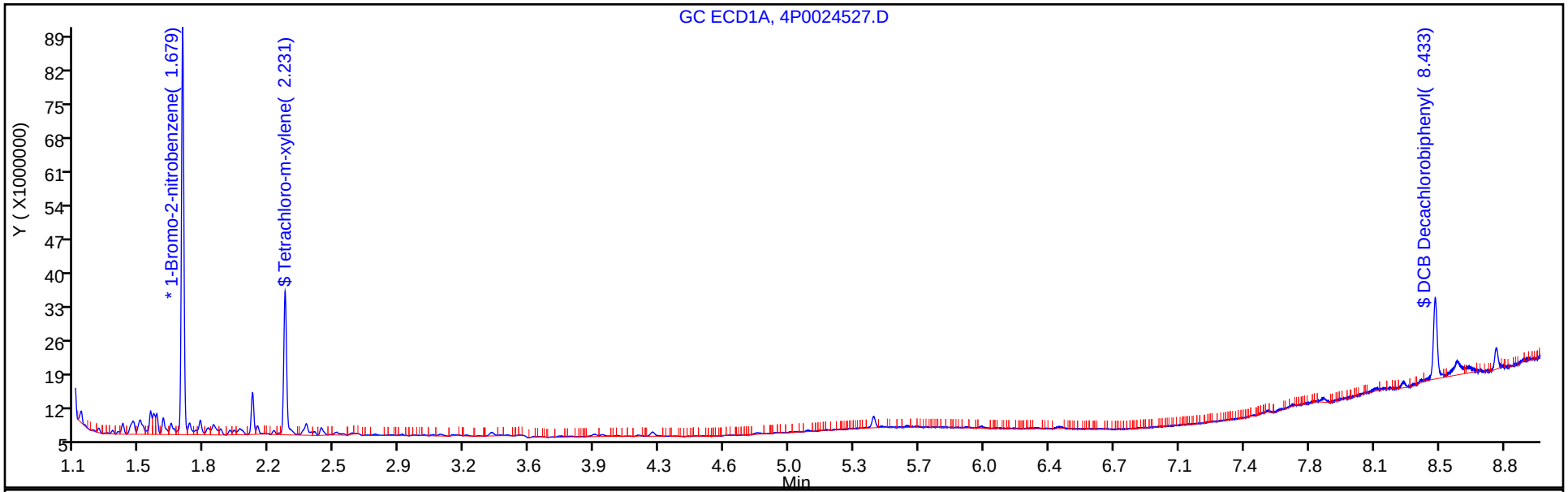
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

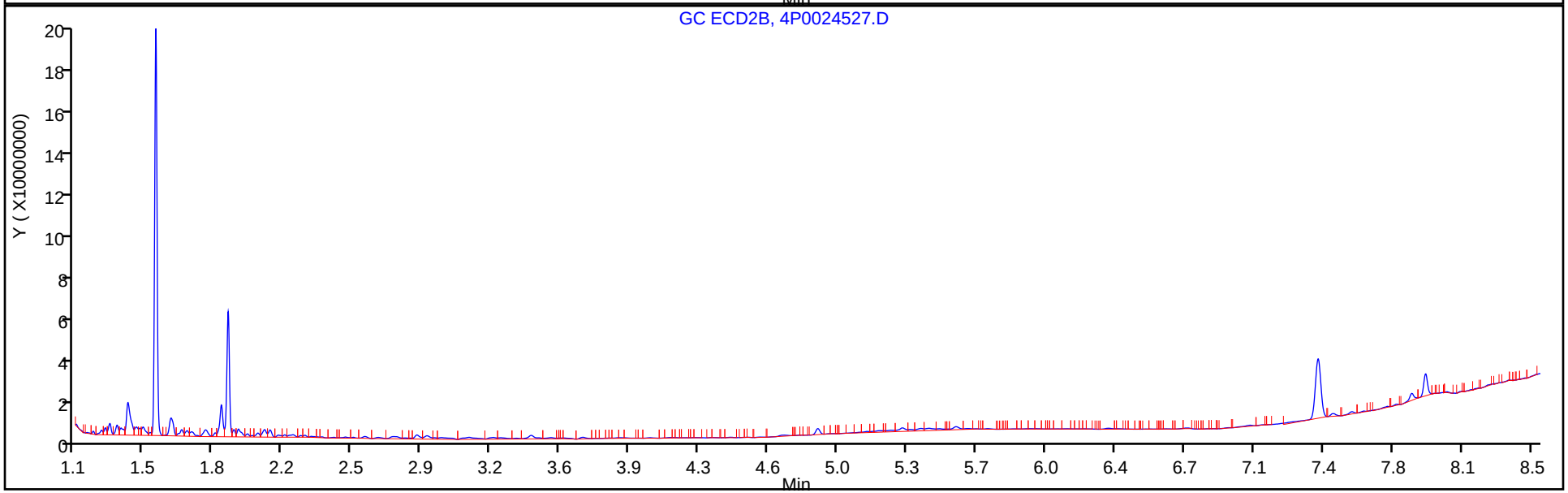
Report Date: 30-Dec-2019 04:15:15 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024527.D

Injection Date:	27-Dec-2019 10:16:01	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	460-199723-F-2-B	Lab Sample ID:	460-199723-2	Worklist Smp#:	20
Client ID:	MW-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: 4P0024528.D

Analysis Method: 8081B Date Collected: 12/23/2019 12:00

Extraction Method: 3510C Date Extracted: 12/26/2019 21:29

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 10:31

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	52		10-150
877-09-8	Tetrachloro-m-xylene	67		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D
Lims ID: 460-199723-F-3-B
Client ID: Duplicate
Sample Type: Client
Inject. Date: 27-Dec-2019 10:31:27 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-021
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 10:50:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.678	1.679	-0.001	85467628	100.0	
2	1.507	1.507	0.000	188584373	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.231	2.232	-0.001	65361550	67.4	
2	1.873	1.873	0.000	128685323	67.5	
					RPD = 0.15	
$ 24 DCB Decachlorobiphenyl						
1	8.433	8.435	-0.002	57357172	52.2	
2	7.379	7.381	-0.002	133917002	52.0	
					RPD = 0.45	

Reagents:

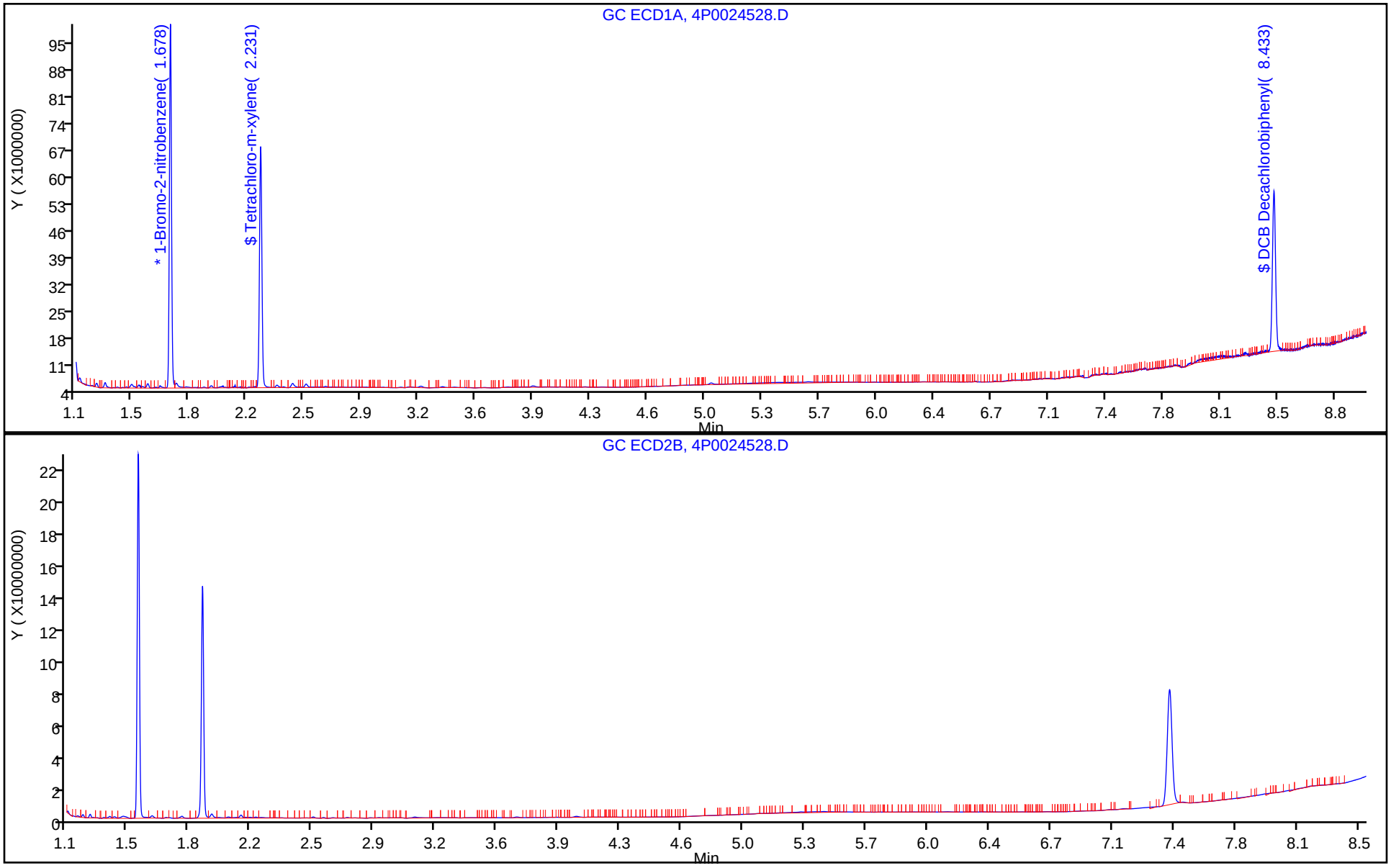
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:15:23 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3	Worklist Smp#:	21
Client ID:	Duplicate				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



User Disabled Compound Report

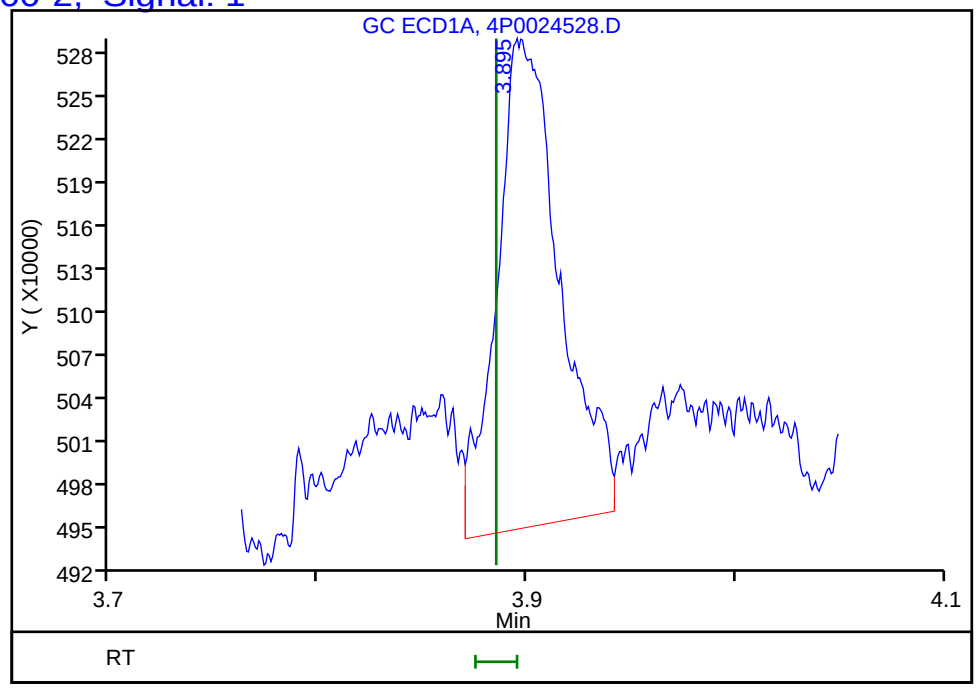
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4		
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3		
Client ID:	Duplicate				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

8 Aldrin, CAS: 309-00-2, Signal: 1

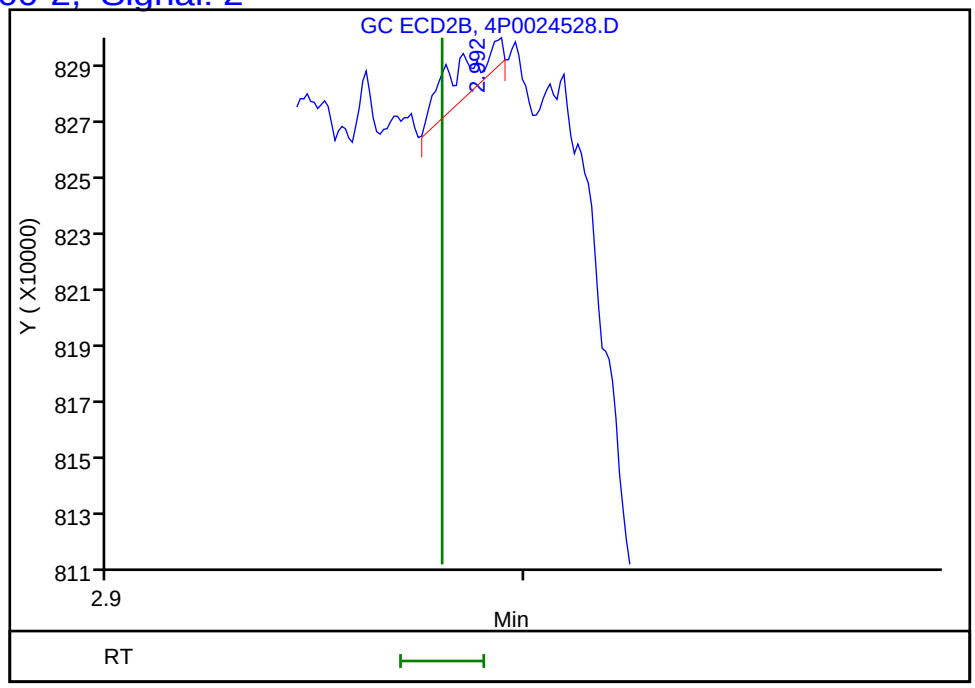
RT: 3.90
Response: 701977
Amount: 0.513058



Column: Detector GC ECD2B

8 Aldrin, CAS: 309-00-2, Signal: 2

RT: 2.99
Response: 10483
Amount: 0.004374



Reviewer: manlangitf, 27-Dec-2019 10:50:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date: 27-Dec-2019 10:31:27 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-3-B Lab Sample ID: 460-199723-3

Client ID: Duplicate

Operator ID: ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

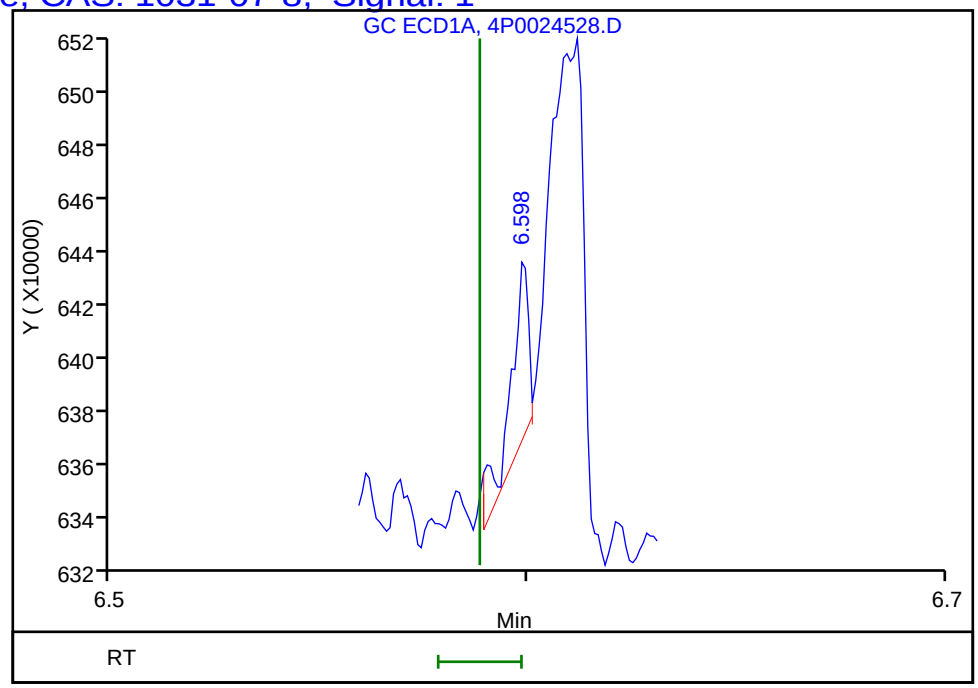
Column: Detector GC ECD1A

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 1

RT: 6.60

Response: 18709

Amount: 0.015920



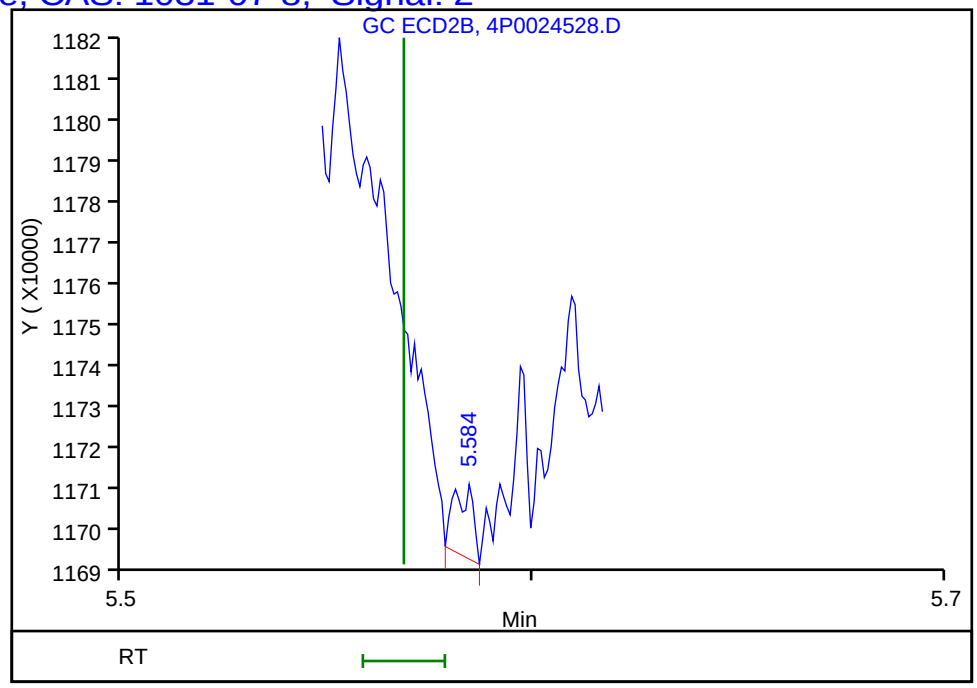
Column: Detector GC ECD2B

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 2

RT: 5.58

Response: 5337

Amount: 0.002266



Reviewer: manlangitf, 27-Dec-2019 10:50:37

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

User Disabled Compound Report

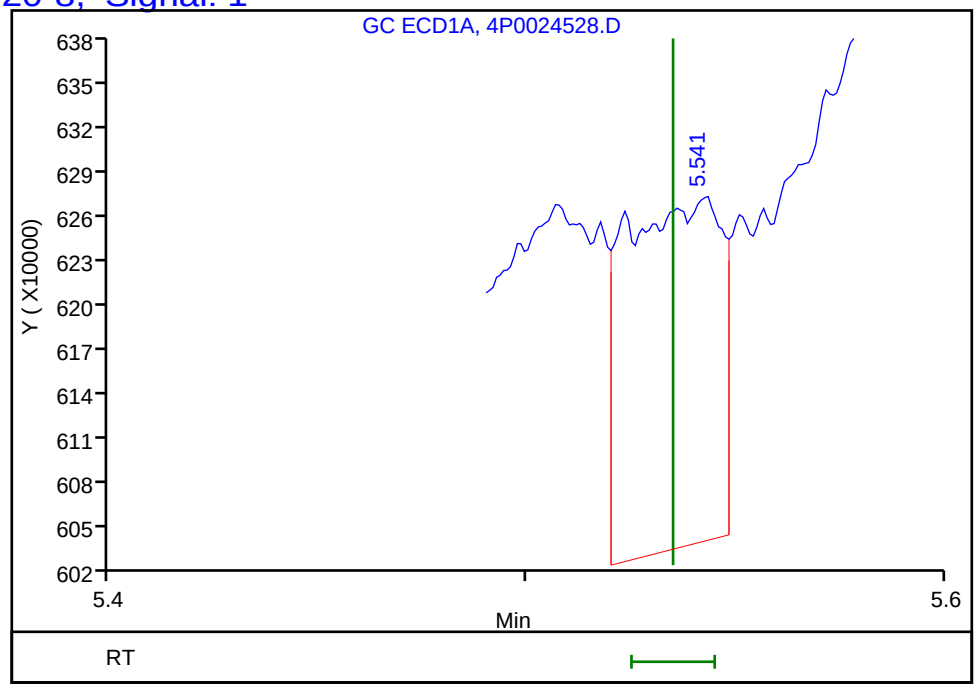
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3
Client ID:	Duplicate		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

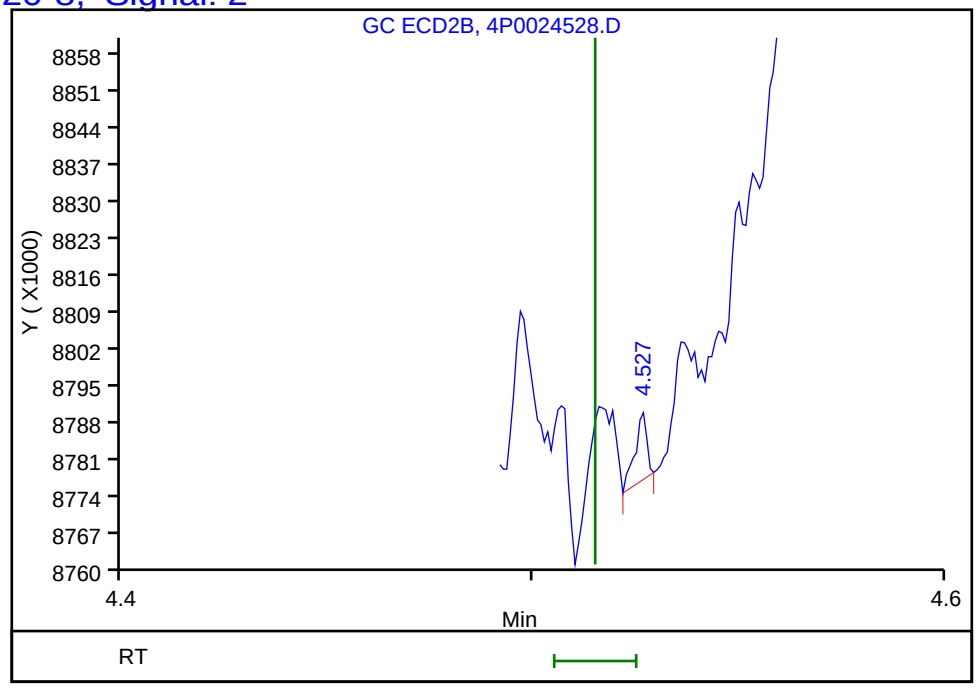
RT: 5.54
Response: 369139
Amount: 0.282017



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.53
Response: 2576
Amount: 0.001198



Reviewer: manlangitf, 27-Dec-2019 10:50:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date: 27-Dec-2019 10:31:27 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-3-B Lab Sample ID: 460-199723-3

Client ID: Duplicate

Operator ID: ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

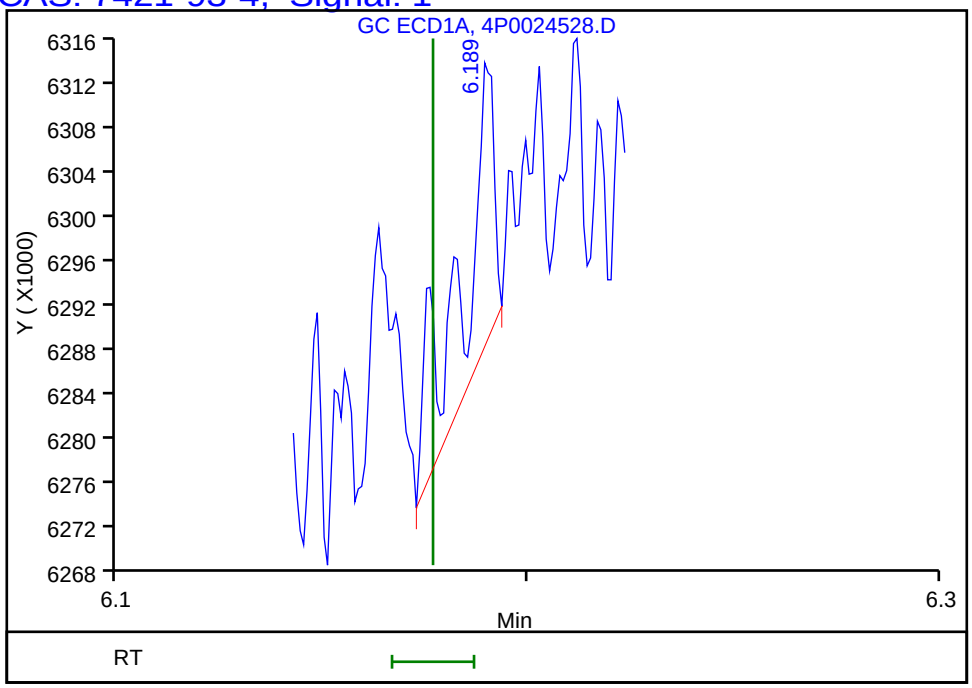
Column: Detector GC ECD1A

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 1

RT: 6.19

Response: 13692

Amount: 0.014066



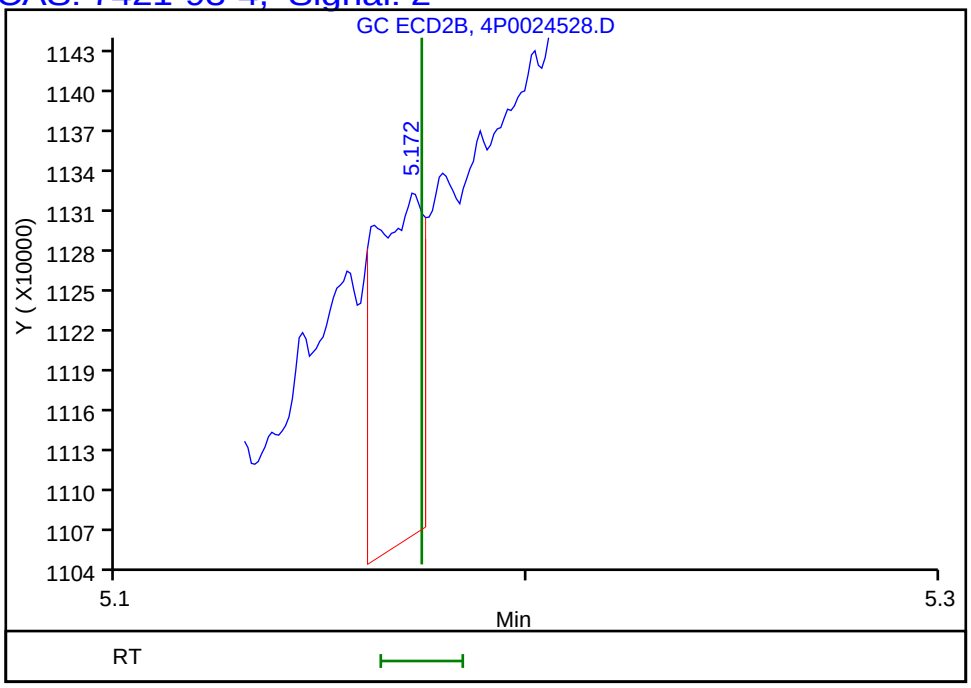
Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 2

RT: 5.17

Response: 203698

Amount: 0.107263



Reviewer: manlangitf, 27-Dec-2019 10:50:37

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

User Disabled Compound Report

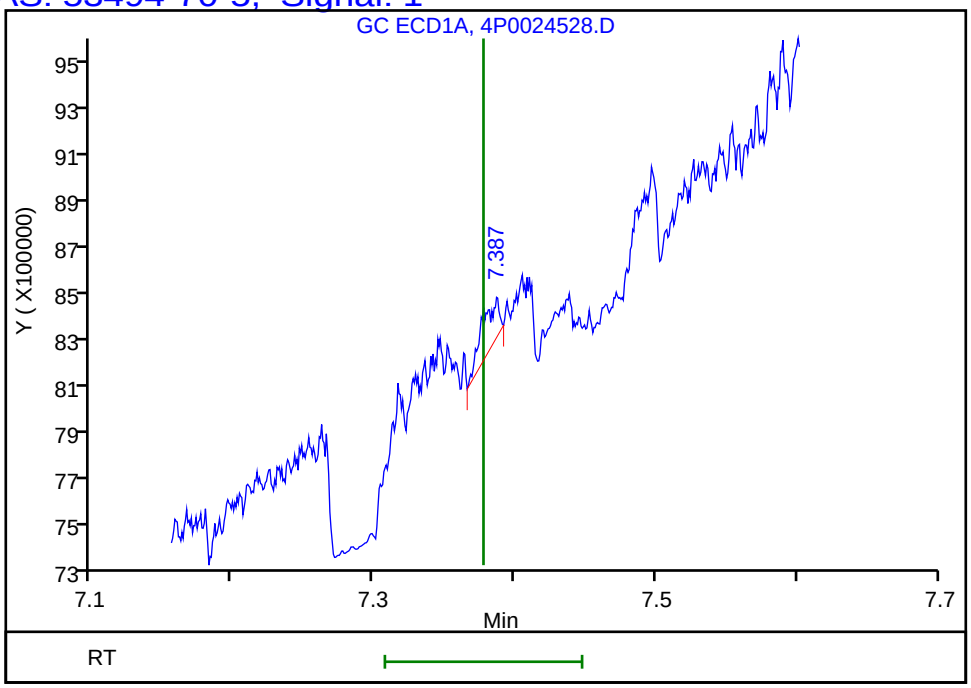
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3
Client ID:	Duplicate		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

13 Endrin ketone, CAS: 53494-70-5, Signal: 1

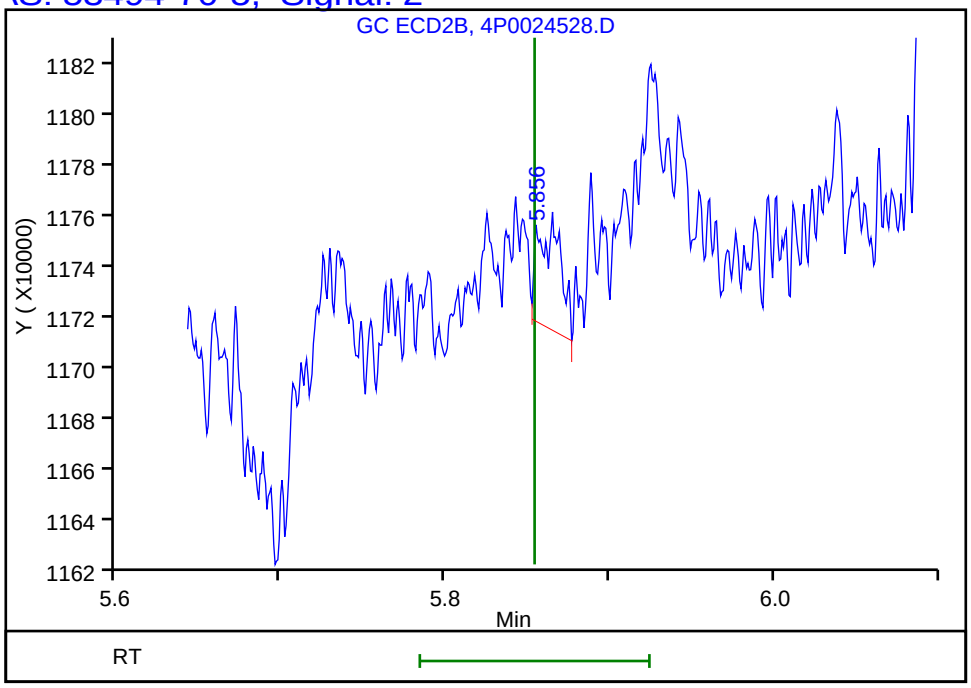
RT: 7.39
Response: 165271
Amount: 0.122175



Column: Detector GC ECD2B

13 Endrin ketone, CAS: 53494-70-5, Signal: 2

RT: 5.86
Response: 39627
Amount: 0.015061



Reviewer: manlangitf, 27-Dec-2019 10:50:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date: 27-Dec-2019 10:31:27 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-3-B Lab Sample ID: 460-199723-3

Client ID: Duplicate

Operator ID: ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

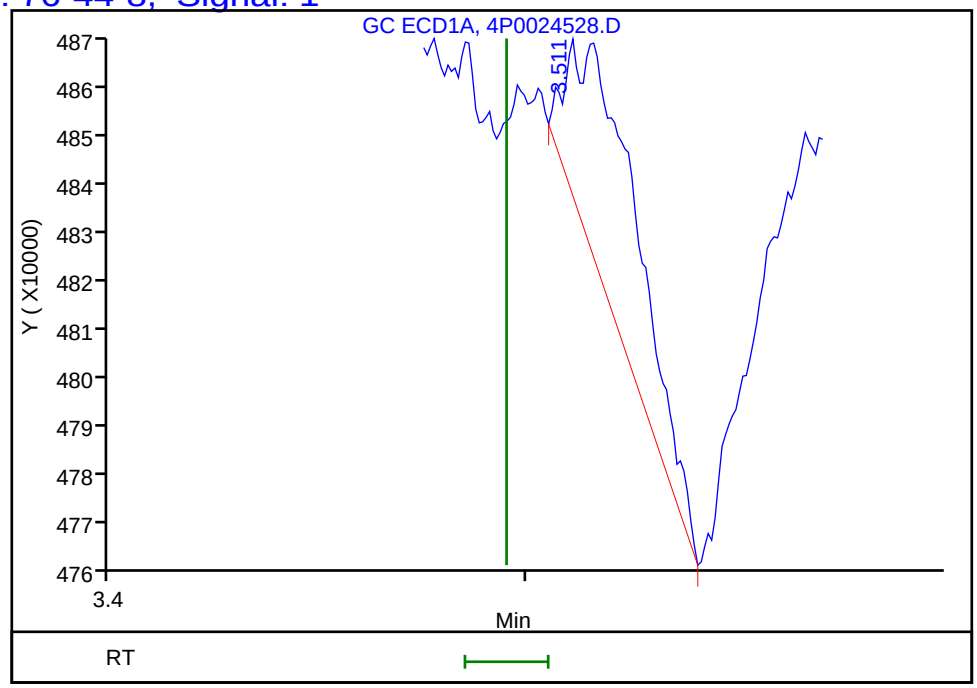
Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8, Signal: 1

RT: 3.51

Response: 52700

Amount: 0.036615



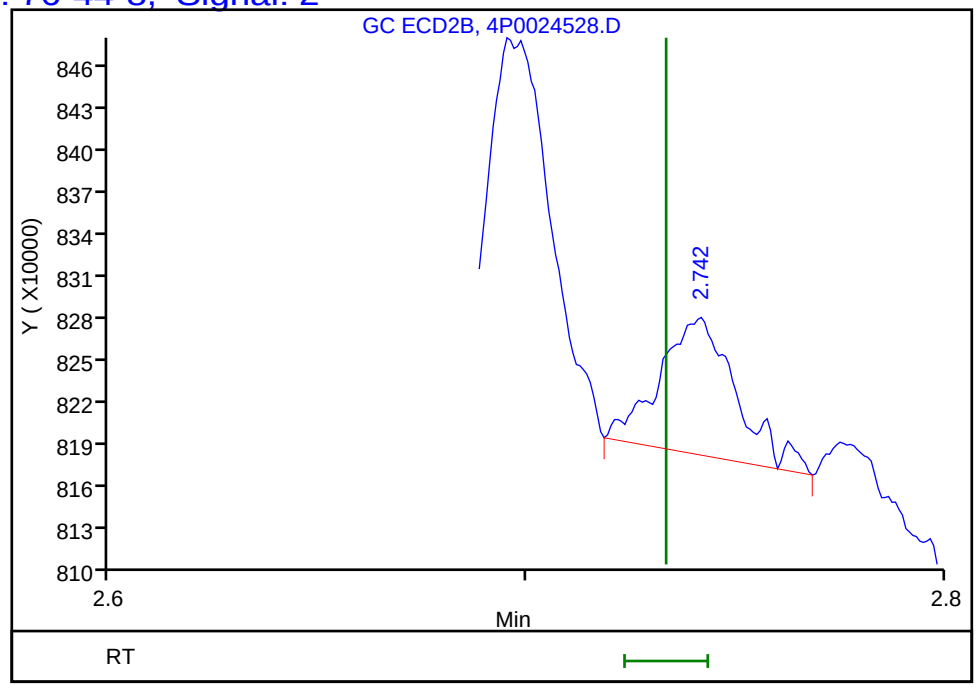
Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.74

Response: 123756

Amount: 0.046782



Reviewer: manlangitf, 27-Dec-2019 10:50:37

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

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: 4P0024528.D

Analysis Method: 8081B Date Collected: 12/23/2019 12:00

Extraction Method: 3510C Date Extracted: 12/26/2019 21:29

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 10:31

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.0060	U *	0.020	0.0060
72-55-9	4,4'-DDE	0.0020	U *	0.020	0.0020
50-29-3	4,4'-DDT	0.0040	U *	0.020	0.0040
309-00-2	Aldrin	0.0030	U	0.020	0.0030
319-84-6	alpha-BHC	0.0070	U	0.020	0.0070
319-85-7	beta-BHC	0.0040	U	0.020	0.0040
12789-03-6	Chlordane (technical)	0.055	U	0.50	0.055
319-86-8	delta-BHC	0.0050	U	0.020	0.0050
60-57-1	Dieldrin	0.0030	U	0.020	0.0030
959-98-8	Endosulfan I	0.0020	U	0.020	0.0020
33213-65-9	Endosulfan II	0.0040	U *	0.020	0.0040
1031-07-8	Endosulfan sulfate	0.0060	U *	0.020	0.0060
72-20-8	Endrin	0.0040	U *	0.020	0.0040
7421-93-4	Endrin aldehyde	0.0080	U *	0.020	0.0080
53494-70-5	Endrin ketone	0.0080	U *	0.020	0.0080
58-89-9	gamma-BHC (Lindane)	0.012	U	0.020	0.012
76-44-8	Heptachlor	0.0030	U	0.020	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.020	0.0050
72-43-5	Methoxychlor	0.0040	U *	0.020	0.0040
8001-35-2	Toxaphene	0.11	U	0.50	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	52		10-150
877-09-8	Tetrachloro-m-xylene	67		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D
Lims ID: 460-199723-F-3-B
Client ID: Duplicate
Sample Type: Client
Inject. Date: 27-Dec-2019 10:31:27 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-021
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 10:50:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.678	1.679	-0.001	85467628	100.0	
2	1.507	1.507	0.000	188584373	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.231	2.232	-0.001	65361550	67.4	
2	1.873	1.873	0.000	128685323	67.5	
					RPD = 0.15	
$ 24 DCB Decachlorobiphenyl						
1	8.433	8.435	-0.002	57357172	52.2	
2	7.379	7.381	-0.002	133917002	52.0	
					RPD = 0.45	

Reagents:

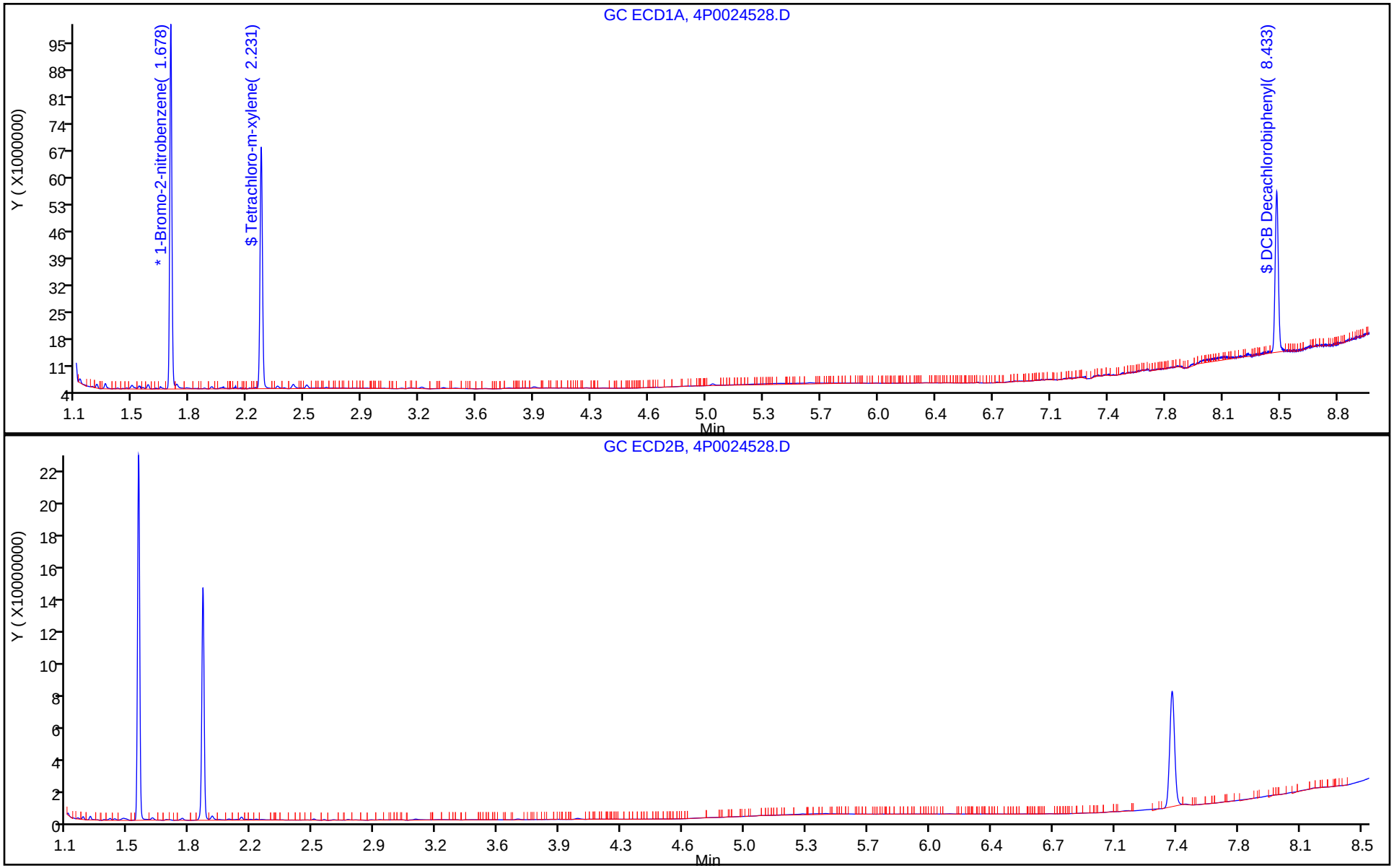
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:15:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3	Worklist Smp#:	21
Client ID:	Duplicate				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date: 27-Dec-2019 10:31:27 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-3-B Lab Sample ID: 460-199723-3

Client ID: Duplicate

Operator ID: ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

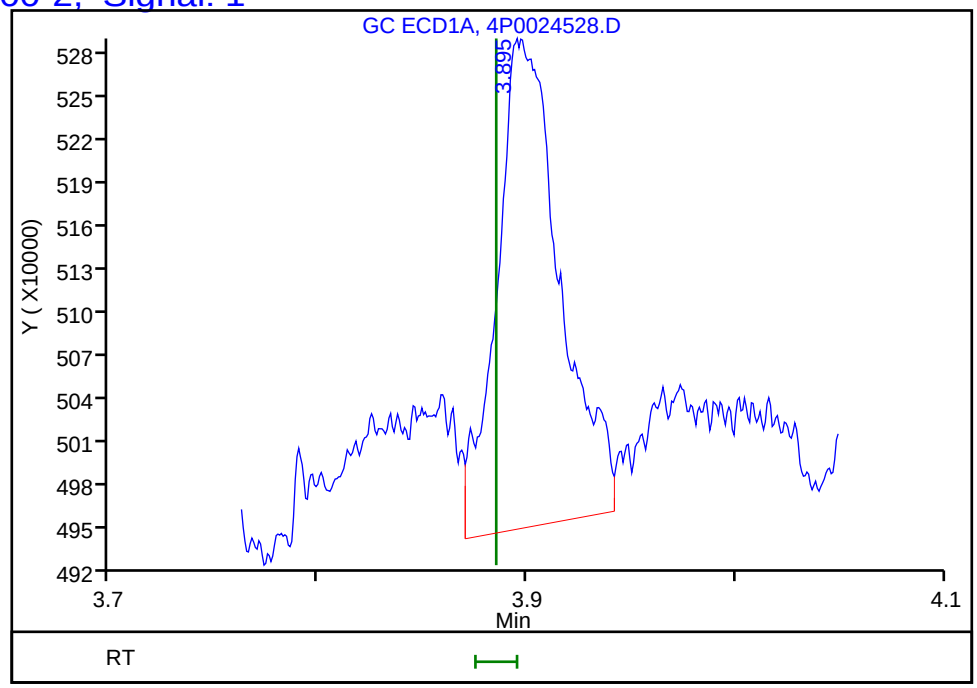
Column: Detector GC ECD1A

8 Aldrin, CAS: 309-00-2, Signal: 1

RT: 3.90

Response: 701977

Amount: 0.513058



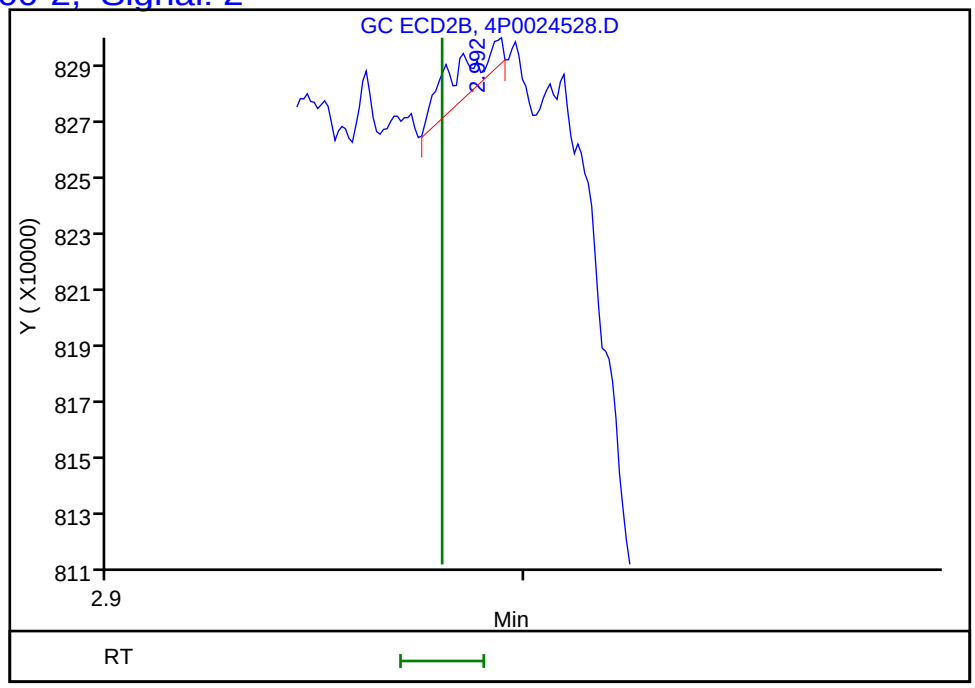
Column: Detector GC ECD2B

8 Aldrin, CAS: 309-00-2, Signal: 2

RT: 2.99

Response: 10483

Amount: 0.004374



Reviewer: manlangitf, 27-Dec-2019 10:50:37

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

User Disabled Compound Report

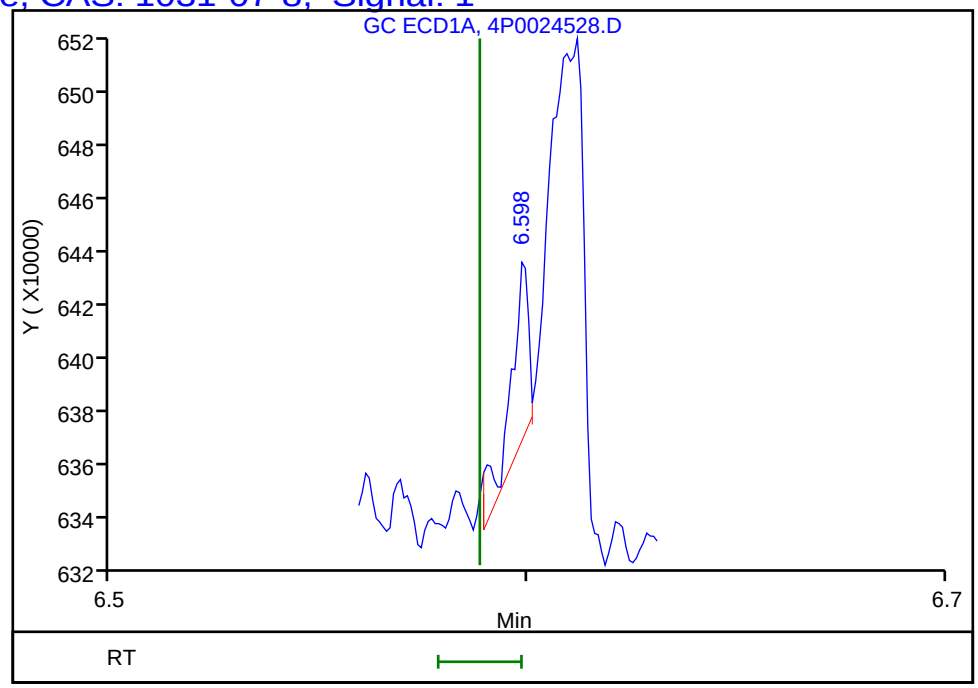
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D
Injection Date: 27-Dec-2019 10:31:27 Instrument ID: CPESTGC4
Lims ID: 460-199723-F-3-B Lab Sample ID: 460-199723-3
Client ID: Duplicate
Operator ID: ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 1

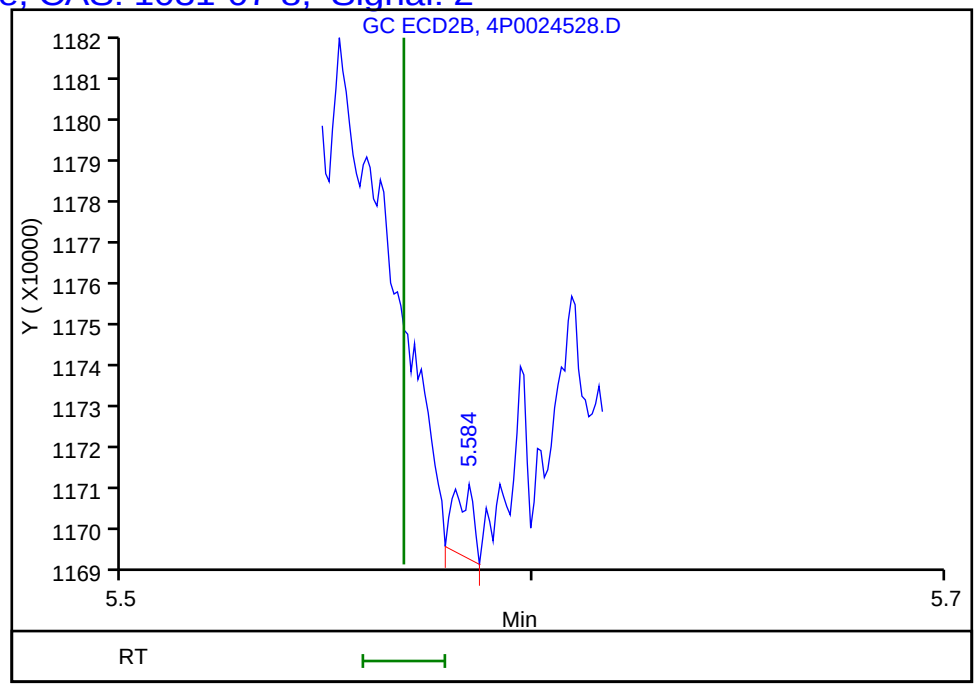
RT: 6.60
Response: 18709
Amount: 0.015920



Column: Detector GC ECD2B

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 2

RT: 5.58
Response: 5337
Amount: 0.002266



Reviewer: manlangitf, 27-Dec-2019 10:50:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

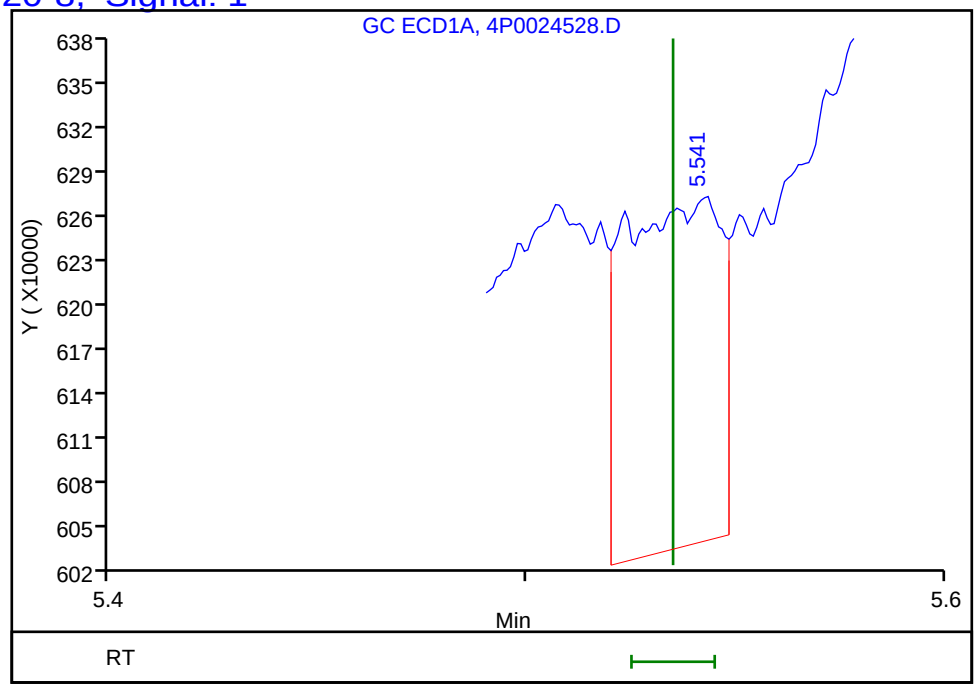
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3
Client ID:	Duplicate		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

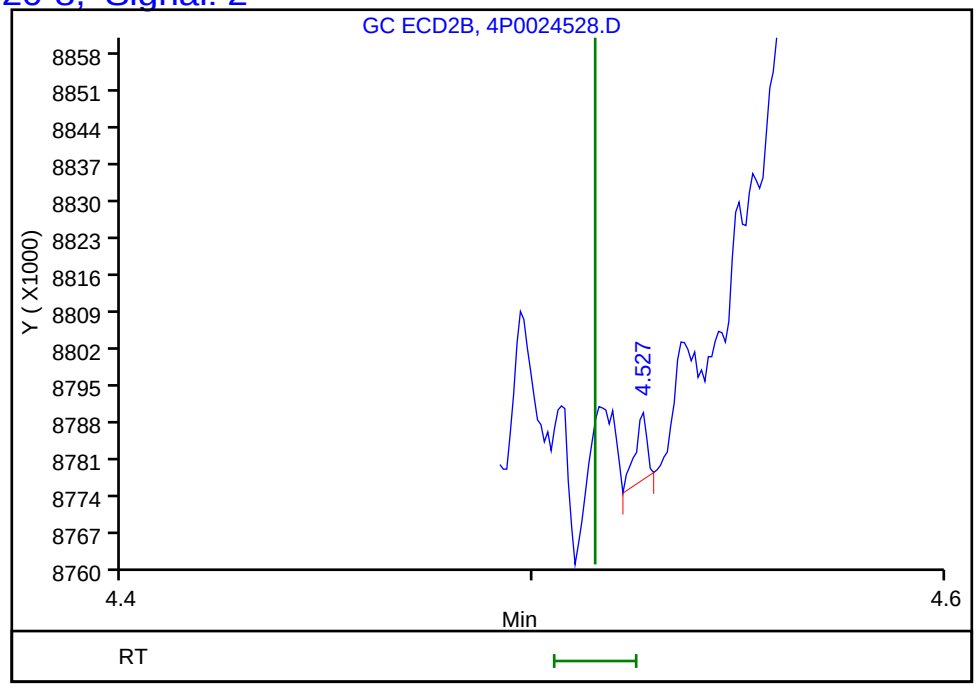
RT: 5.54
Response: 369139
Amount: 0.282017



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.53
Response: 2576
Amount: 0.001198



Reviewer: manlangitf, 27-Dec-2019 10:50:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date: 27-Dec-2019 10:31:27 Instrument ID: CPESTGC4

Lims ID: 460-199723-F-3-B Lab Sample ID: 460-199723-3

Client ID: Duplicate

Operator ID: ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

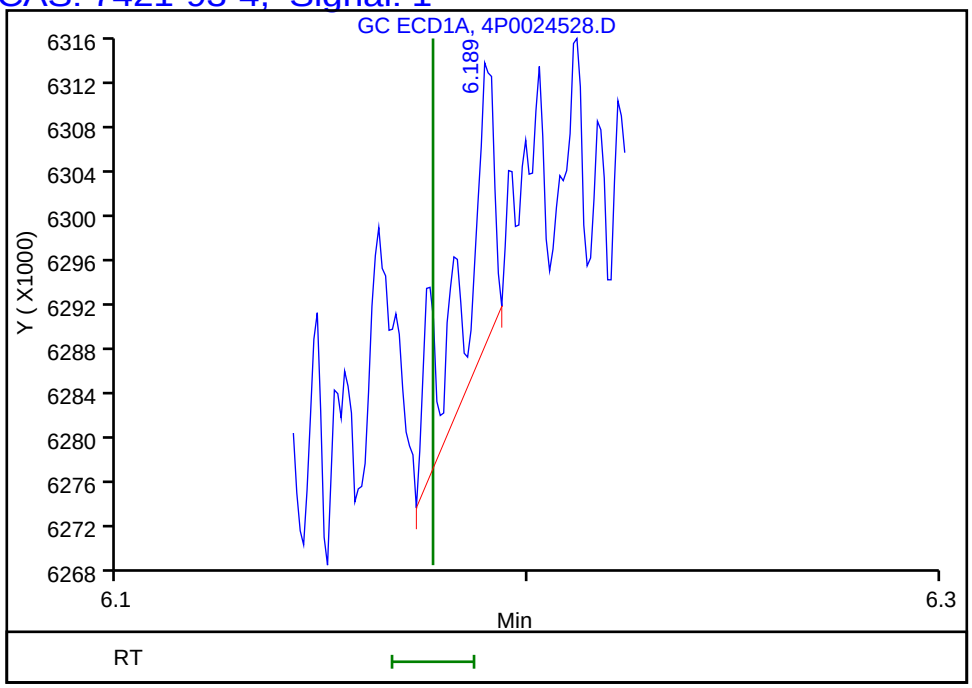
Column: Detector GC ECD1A

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 1

RT: 6.19

Response: 13692

Amount: 0.014066



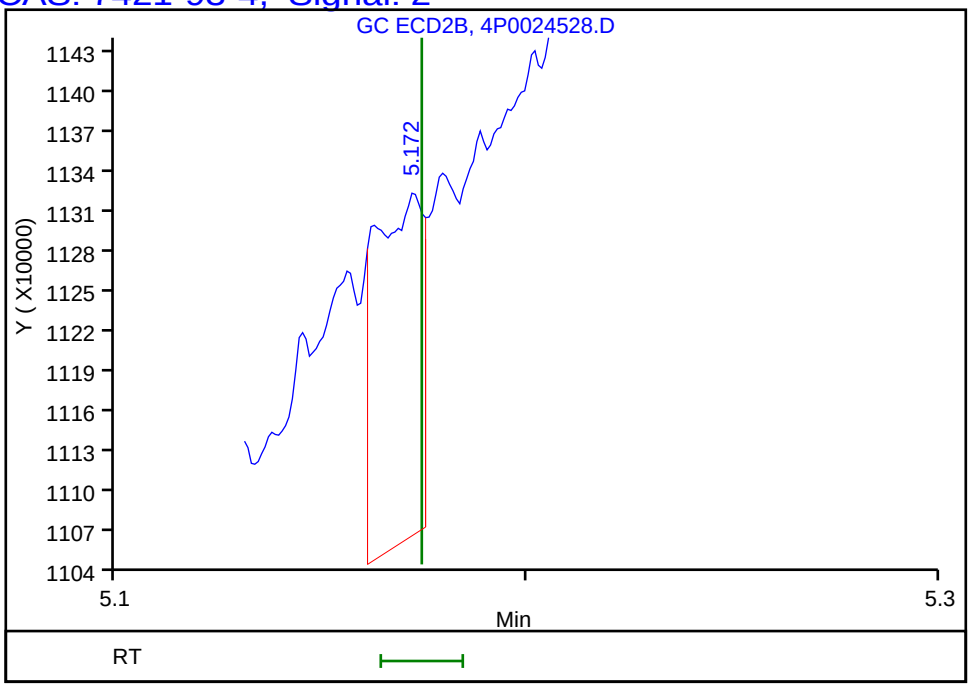
Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 2

RT: 5.17

Response: 203698

Amount: 0.107263



Reviewer: manlangitf, 27-Dec-2019 10:50:37

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

User Disabled Compound Report

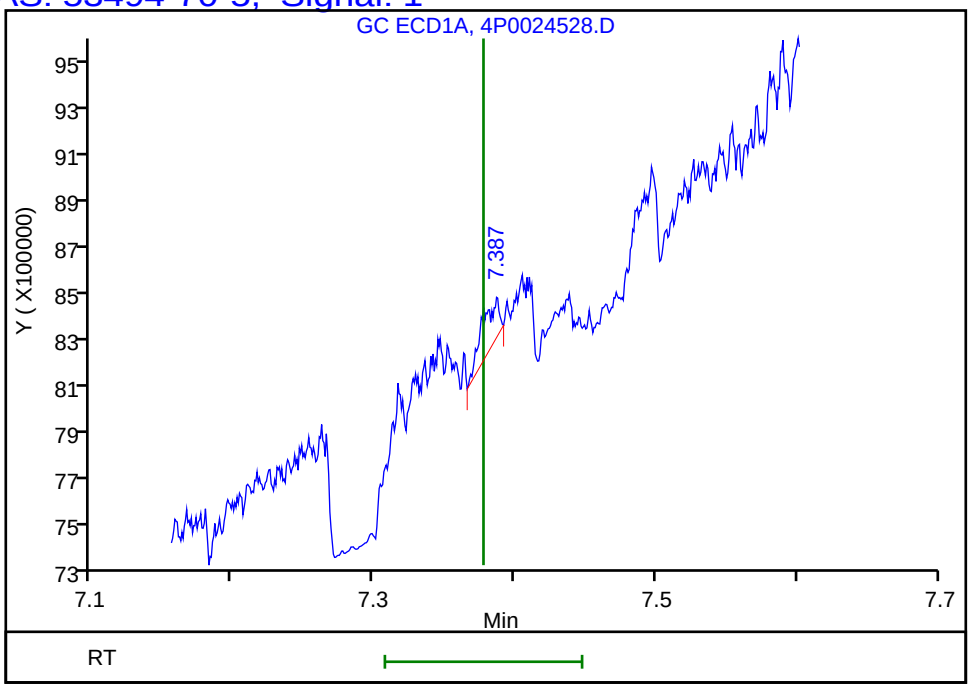
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3
Client ID:	Duplicate		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD
Column:		Detector	GC ECD1A

13 Endrin ketone, CAS: 53494-70-5, Signal: 1

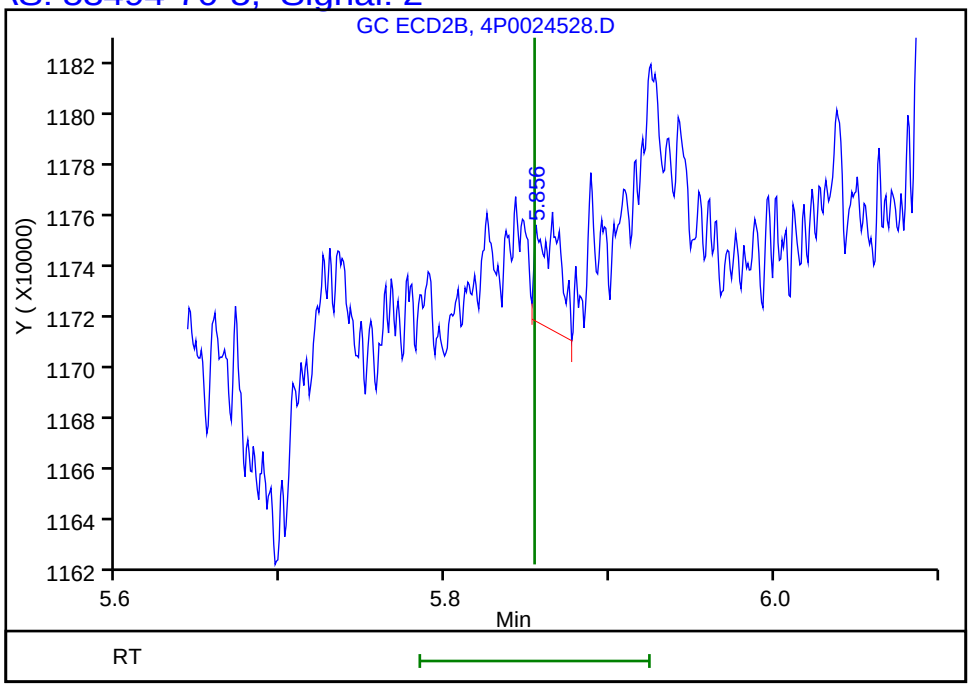
RT: 7.39
Response: 165271
Amount: 0.122175



Column: Detector GC ECD2B

13 Endrin ketone, CAS: 53494-70-5, Signal: 2

RT: 5.86
Response: 39627
Amount: 0.015061



Reviewer: manlangitf, 27-Dec-2019 10:50:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

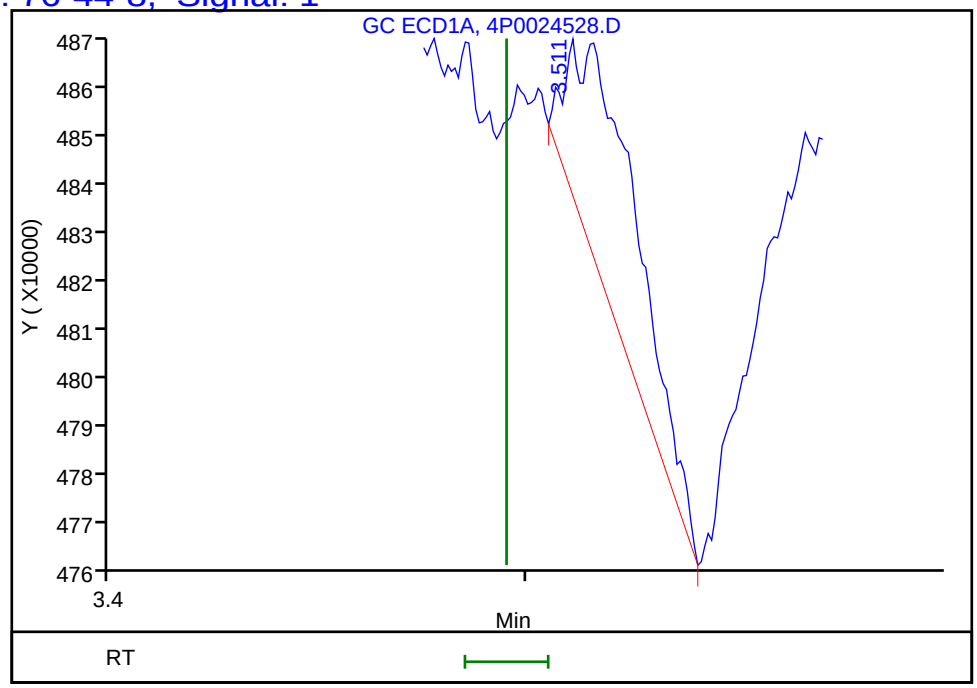
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024528.D

Injection Date:	27-Dec-2019 10:31:27	Instrument ID:	CPESTGC4		
Lims ID:	460-199723-F-3-B	Lab Sample ID:	460-199723-3		
Client ID:	Duplicate				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

18 Heptachlor, CAS: 76-44-8, Signal: 1

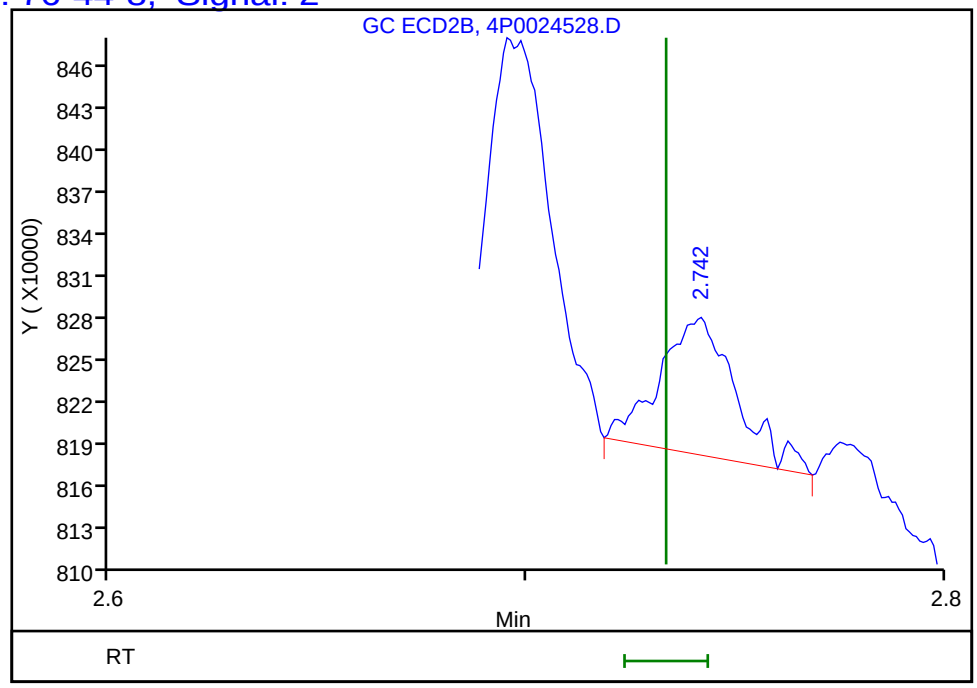
RT: 3.51
Response: 52700
Amount: 0.036615



Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8, Signal: 2

RT: 2.74
Response: 123756
Amount: 0.046782



Reviewer: manlangitf, 27-Dec-2019 10:50:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 13:40 Calibration End Date: 08/26/2019 14:42 Calibration ID: 76324

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-635023/3	4P0020622.D
Level 2	STD 460-635023/4	4P0020623.D
Level 3	STD 460-635023/5	4P0020624.D
Level 4	STD 460-635023/6	4P0020625.D
Level 5	STD 460-635023/7	4P0020626.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								
alpha-BHC	1.7837	1.8106	1.6848	1.6493	1.8015	Ave		1.7460				4.2		20.0			
gamma-BHC (Lindane)	1.8702	1.6823	1.5184	1.5055	1.6407	Ave		1.6434				9.0		20.0			
beta-BHC	0.7889	0.7522	0.6806	0.6310	0.6653	Ave		0.7036				9.2		20.0			
delta-BHC	1.5296	1.6523	1.5252	1.5155	1.6335	Ave		1.5712				4.2		20.0			
Heptachlor	1.5936	1.8149	1.6387	1.6307	1.7423	Ave		1.6840				5.4		20.0			
Aldrin	1.7551	1.6371	1.5245	1.4781	1.6095	Ave		1.6009				6.7		20.0			
Heptachlor epoxide	1.6435	1.5229	1.3821	1.3755	1.4672	Ave		1.4782				7.5		20.0			
trans-Chlordane	1.7206	1.5471	1.4135	1.4139	1.5246	Ave		1.5239				8.3		20.0			
cis-Chlordane	1.5933	1.5044	1.3617	1.3634	1.4491	Ave		1.4544				6.8		20.0			
Endosulfan I	1.4024	1.4578	1.3442	1.3138	1.3885	Ave		1.3814				4.0		20.0			
4,4'-DDE	1.6466	1.5322	1.4212	1.4130	1.5307	Ave		1.5087				6.4		20.0			
Dieldrin	1.7542	1.7102	1.5363	1.5543	1.6594	Ave		1.6429				5.8		20.0			
Endrin	1.6928	1.5600	1.4770	1.4187	1.5089	Ave		1.5315				6.8		20.0			
4,4'-DDD	1.4843	1.3709	1.2407	1.2451	1.3216	Ave		1.3325				7.6		20.0			
Endosulfan II	1.4661	1.4507	1.3486	1.3211	1.3875	Ave		1.3948				4.5		20.0			
4,4'-DDT	1.8226	1.4877	1.3170	1.3517	1.4643	Ave		1.4887				13.4		20.0			
Endrin aldehyde	1.1631	1.2047	1.0814	1.0852	1.1603	Ave		1.1389				4.7		20.0			
Endosulfan sulfate	1.4179	1.4581	1.3367	1.2956	1.3666	Ave		1.3750				4.7		20.0			
Methoxychlor	0.6961	0.8702	0.7859	0.7580	0.8001	Ave		0.7821				8.1		20.0			
Mirex	1.1917	1.1429	1.0953	1.1051	1.1618	Ave		1.1394				3.5		20.0			
Endrin ketone	1.6824	1.6524	1.4954	1.4880	1.5956	Ave		1.5827				5.6		20.0			
Tetrachloro-m-xylene	1.0584	1.1470	1.0698	1.1653	1.2358	Ave		1.1353				6.4		20.0			
DCB Decachlorobiphenyl	1.2569	1.2929	1.1358	1.3376	1.4011	Ave		1.2849				7.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 13:40 Calibration End Date: 08/26/2019 14:42 Calibration ID: 76324

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-635023/3	4P0020622.D
Level 2	STD 460-635023/4	4P0020623.D
Level 3	STD 460-635023/5	4P0020624.D
Level 4	STD 460-635023/6	4P0020625.D
Level 5	STD 460-635023/7	4P0020626.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	2797736	53761624	107630118	230679382	486090844	2.50	50.0	100	250	500
gamma-BHC (Lindane)	BNB	Ave	2933430	49952847	96999856	210564206	442719047	2.50	50.0	100	250	500
beta-BHC	BNB	Ave	1237362	22335217	43480466	88261957	179521346	2.50	50.0	100	250	500
delta-BHC	BNB	Ave	2399100	49062635	97435751	211965669	440780640	2.50	50.0	100	250	500
Heptachlor	BNB	Ave	2499498	53889782	104684791	228074457	470133535	2.50	50.0	100	250	500
Aldrin	BNB	Ave	2752838	48609686	97394198	206739256	434297408	2.50	50.0	100	250	500
Heptachlor epoxide	BNB	Ave	2577853	45218617	88297264	192385695	395896544	2.50	50.0	100	250	500
trans-Chlordane	BNB	Ave	2698705	45939692	90299168	197753507	411385967	2.50	50.0	100	250	500
cis-Chlordane	BNB	Ave	2499013	44670276	86988610	190692866	391015848	2.50	50.0	100	250	500
Endosulfan I	BNB	Ave	2199699	43285491	85873367	183763656	374664951	2.50	50.0	100	250	500
4,4'-DDE	BNB	Ave	2582678	45494669	90789288	197630393	413028942	2.50	50.0	100	250	500
Dieldrin	BNB	Ave	2751454	50781009	98142002	217393117	447754424	2.50	50.0	100	250	500
Endrin	BNB	Ave	2655175	46322485	94354482	198432671	407142911	2.50	50.0	100	250	500
4,4'-DDD	BNB	Ave	2328117	40705264	79257833	174145163	356602522	2.50	50.0	100	250	500
Endosulfan II	BNB	Ave	2299630	43074547	86152688	184776506	374393074	2.50	50.0	100	250	500
4,4'-DDT	BNB	Ave	2858712	44175190	84136175	189058645	395122871	2.50	50.0	100	250	500
Endrin aldehyde	BNB	Ave	1824380	35772843	69081892	151776777	313095506	2.50	50.0	100	250	500
Endosulfan sulfate	BNB	Ave	2223932	43295704	85393966	181206221	368750193	2.50	50.0	100	250	500
Methoxychlor	BNB	Ave	1091900	25838824	50209636	106020353	215888379	2.50	50.0	100	250	500
Mirex	BNB	Ave	1869222	33936540	69973743	154572332	313504111	2.50	50.0	100	250	500
Endrin ketone	BNB	Ave	2638895	49064239	95529731	208115694	430542770	2.50	50.0	100	250	500
Tetrachloro-m-xylene	BNB	Ave	4150168	34057854	68344013	97794878	133384120	6.25	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	4928555	38391446	72558983	112252913	151221324	6.25	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Lims ID: STD PESTL1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Aug-2019 13:40:07 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:39 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 08:56:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.709	1.713	-0.004	62739743	100.0	100.0	
2	1.539	1.543	-0.004	103476828	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.274	2.275	-0.001	4150168	6.25	5.83	
2	1.917	1.918	-0.001	5387644	6.25	5.15	
						RPD = 12.37	
15 alpha-BHC							
1	2.752	2.755	-0.003	2797736	2.50	2.55	
2	2.244	2.246	-0.002	3542817	2.50	2.29	
						RPD = 10.81	
2 gamma-BHC (Lindane)							M
1	3.085	3.085	0.000	2933430	2.50	2.85	M
2	2.454	2.456	-0.002	3384091	2.50	2.36	
						RPD = 18.56	
6 beta-BHC							M
1	3.146	3.147	-0.001	1237362	2.50	2.80	M
2	2.507	2.508	-0.001	1676276	2.50	2.65	
						RPD = 5.44	
32 delta-BHC							M
1	3.474	3.476	-0.002	2399100	2.50	2.43	M
2	2.641	2.643	-0.002	3270077	2.50	2.33	
						RPD = 4.34	
18 Heptachlor							
1	3.574	3.576	-0.002	2499498	2.50	2.37	
2	2.806	2.808	-0.002	3666980	2.50	2.53	
						RPD = 6.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							M
1	3.960	3.964	-0.004	2752838	2.50	2.74	M
2	3.062	3.065	-0.003	3252705	2.50	2.47	
						RPD = 10.25	
12 Heptachlor epoxide							M
1	4.642	4.645	-0.003	2577853	2.50	2.78	M
2	3.669	3.671	-0.002	3152389	2.50	2.53	
						RPD = 9.21	
9 trans-Chlordane							M
1	4.850	4.855	-0.005	2698705	2.50	2.82	M
2	3.802	3.805	-0.003	3194377	2.50	2.53	
						RPD = 11.03	
23 cis-Chlordane							M
1	5.004	5.006	-0.002	2499013	2.50	2.74	M
2	3.946	3.949	-0.003	3127461	2.50	2.58	
						RPD = 5.91	
7 Endosulfan I							M
1	5.067	5.066	0.001	2199699	2.50	2.54	M
2	4.098	4.101	-0.003	2873964	2.50	2.50	
						RPD = 1.33	
25 4,4'-DDE							M
1	5.154	5.157	-0.003	2582678	2.50	2.73	M
2	4.026	4.028	-0.002	2745395	2.50	2.39	
						RPD = 13.35	
30 Dieldrin							M
1	5.317	5.318	-0.001	2751454	2.50	2.67	M
2	4.359	4.363	-0.004	3049336	2.50	2.43	
						RPD = 9.35	
20 Endrin							M
1	5.608	5.611	-0.003	2655175	2.50	2.76	M
2	4.637	4.640	-0.003	2945787	2.50	2.50	
						RPD = 10.17	
16 4,4'-DDD							M
1	5.724	5.728	-0.004	2328117	2.50	2.78	M
2	4.714	4.717	-0.003	2247348	2.50	2.29	
						RPD = 19.34	
11 Endosulfan II							M
1	5.837	5.841	-0.004	2299630	2.50	2.63	M
2	4.874	4.877	-0.003	2989904	2.50	2.62	
						RPD = 0.33	
21 4,4'-DDT							M
1	6.115	6.116	-0.001	2858712	2.50	3.06	M
2	4.998	5.001	-0.003	2771227	2.50	2.39	M
						RPD = 24.73	
5 Endrin aldehyde							M
1	6.264	6.276	-0.012	1824380	2.50	2.55	M
2	5.263	5.266	-0.003	2773022	2.50	2.66	M
						RPD = 4.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.697	6.701	-0.004	2223932	2.50	2.58	
2	5.670	5.672	-0.002	3291520	2.50	2.55	
						RPD = 1.23	
10 Methoxychlor							M
1	7.243	7.241	0.002	1091900	2.50	2.23	M
2	5.454	5.457	-0.003	1841286	2.50	2.61	
						RPD = 15.94	
34 Mirex							M
1	7.390	7.394	-0.004	1869222	2.50	2.61	M
2	5.539	5.542	-0.003	2538824	2.50	2.49	
						RPD = 4.77	
13 Endrin ketone							M
1	7.454	7.460	-0.006	2638895	2.50	2.66	M
2	5.969	5.971	-0.002	3764660	2.50	2.61	
						RPD = 1.89	
$ 24 DCB Decachlorobiphenyl							
1	8.484	8.484	0.000	4928555	6.25	6.11	
2	7.482	7.483	-0.001	7825904	6.25	5.54	
						RPD = 9.89	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

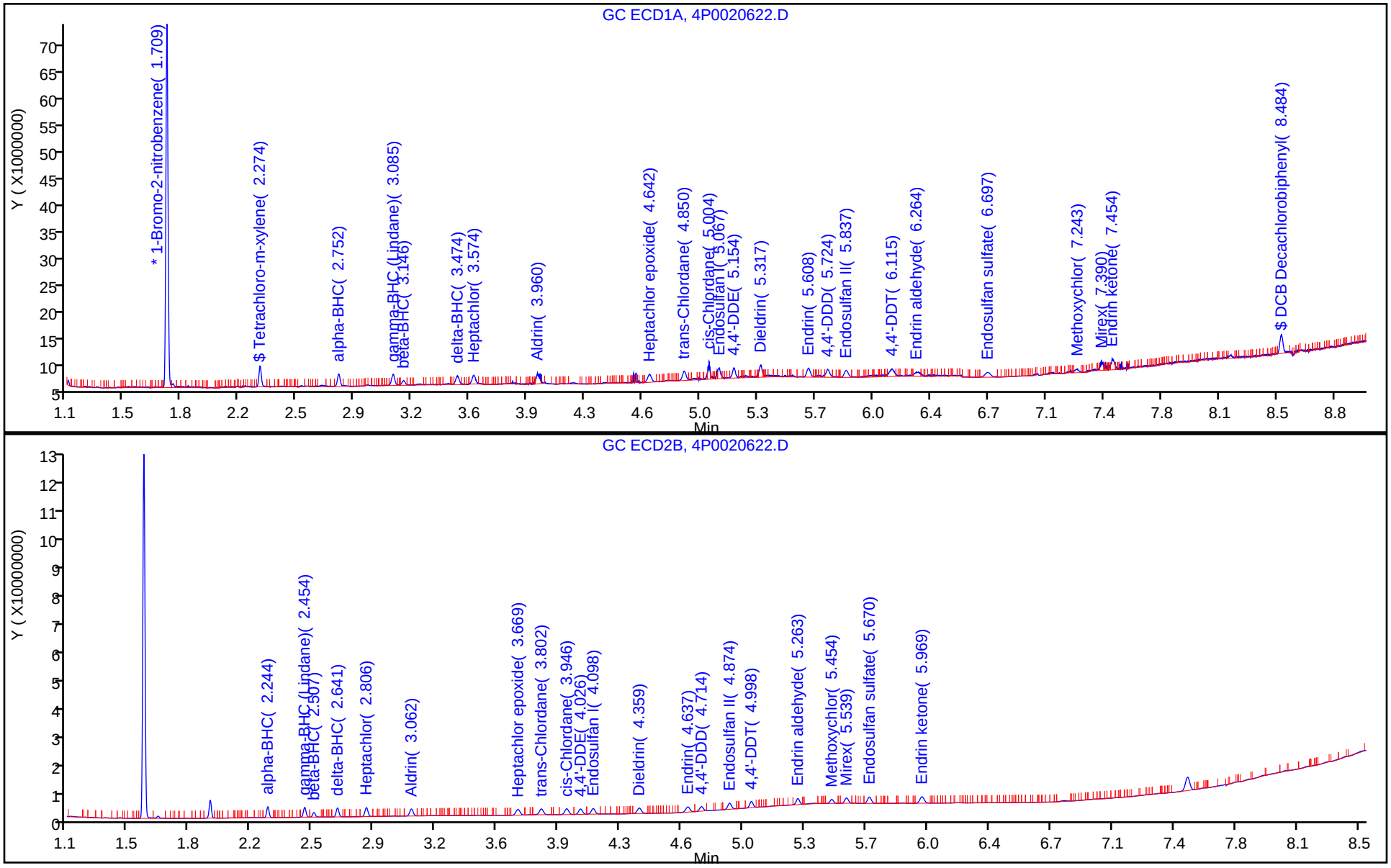
SGPESTL1_00022	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:40 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D

Injection Date:	26-Aug-2019 13:40:07	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	STD PESTL1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

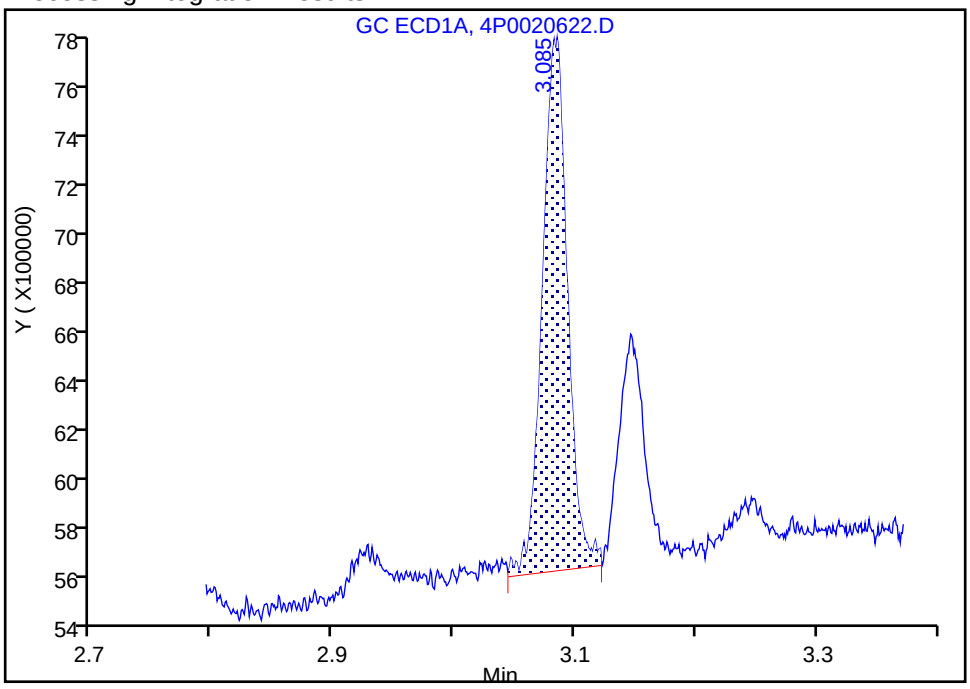
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

2 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

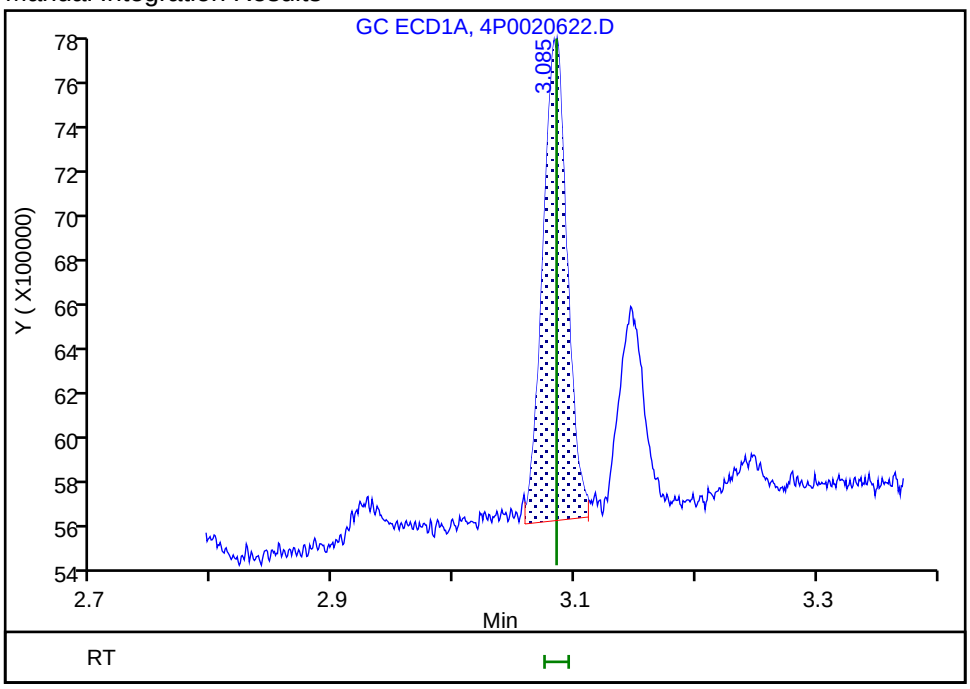
Processing Integration Results

RT: 3.09
Area: 3023816
Amount: 2.912261
Amount Units: ug/l



Manual Integration Results

RT: 3.09
Area: 2933430
Amount: 2.845022
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:55:47
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

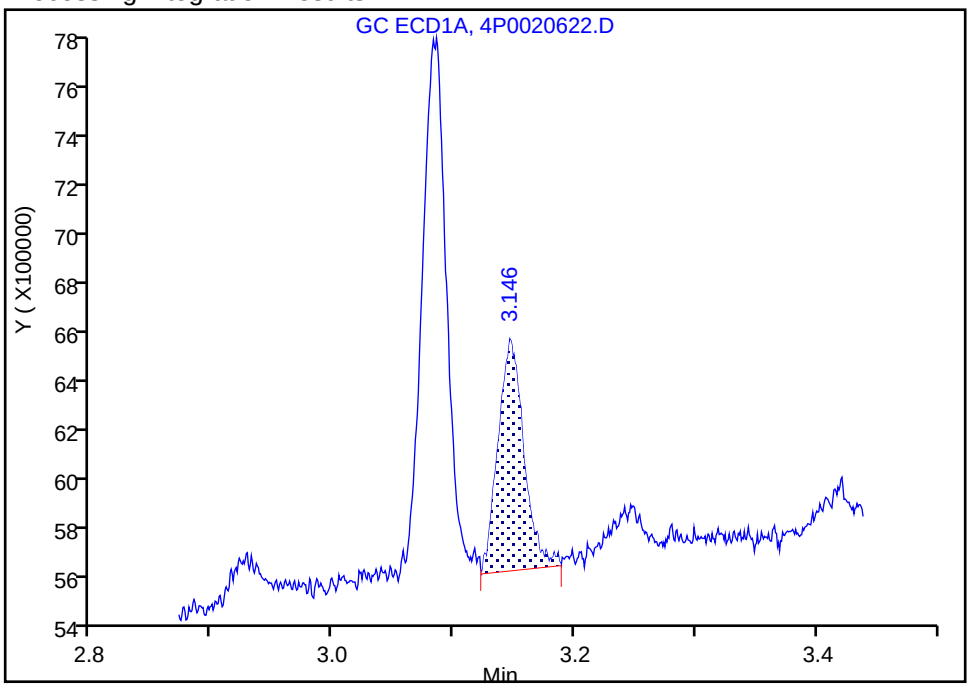
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

6 beta-BHC, CAS: 319-85-7

Signal: 1

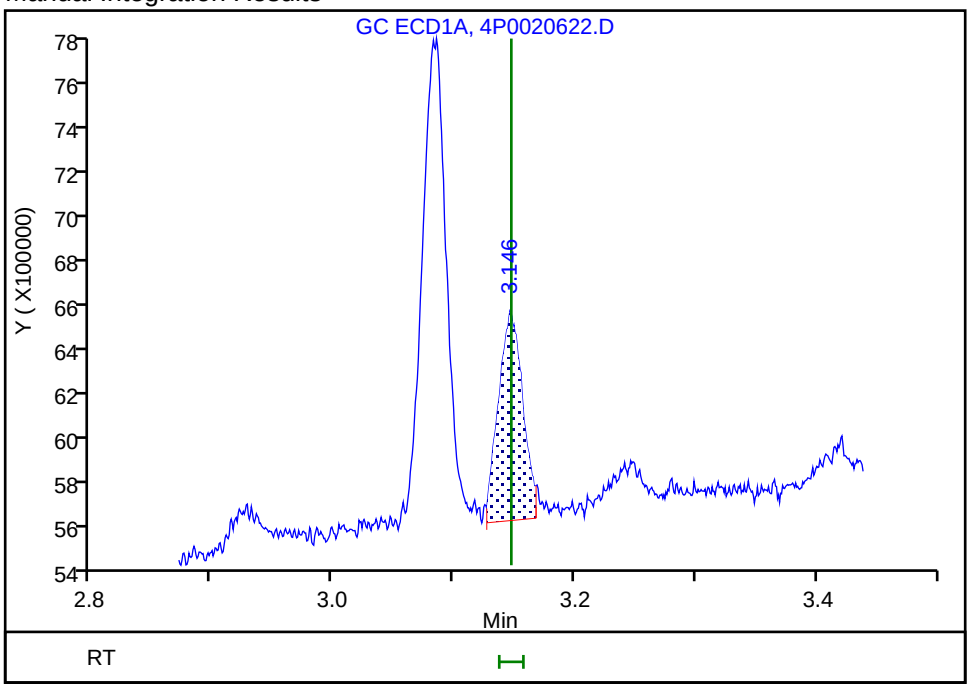
Processing Integration Results

RT: 3.15
Area: 1314881
Amount: 2.937331
Amount Units: ug/l



Manual Integration Results

RT: 3.15
Area: 1237362
Amount: 2.802992
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:55:49
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

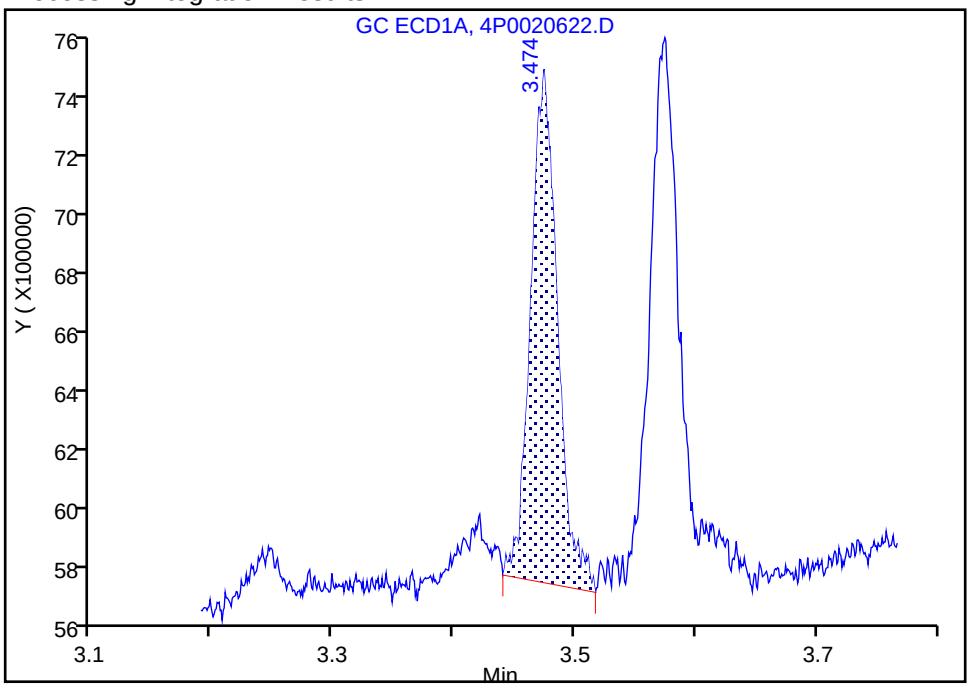
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

32 delta-BHC, CAS: 319-86-8

Signal: 1

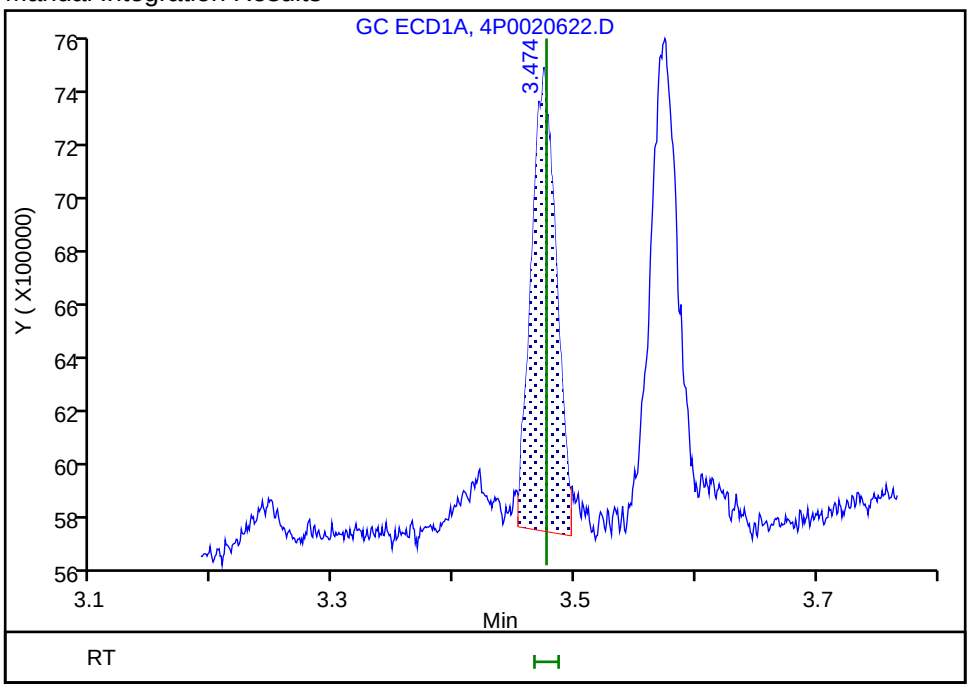
Processing Integration Results

RT: 3.47
Area: 2567259
Amount: 2.569235
Amount Units: ug/l



Manual Integration Results

RT: 3.47
Area: 2399100
Amount: 2.433711
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:55:41
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

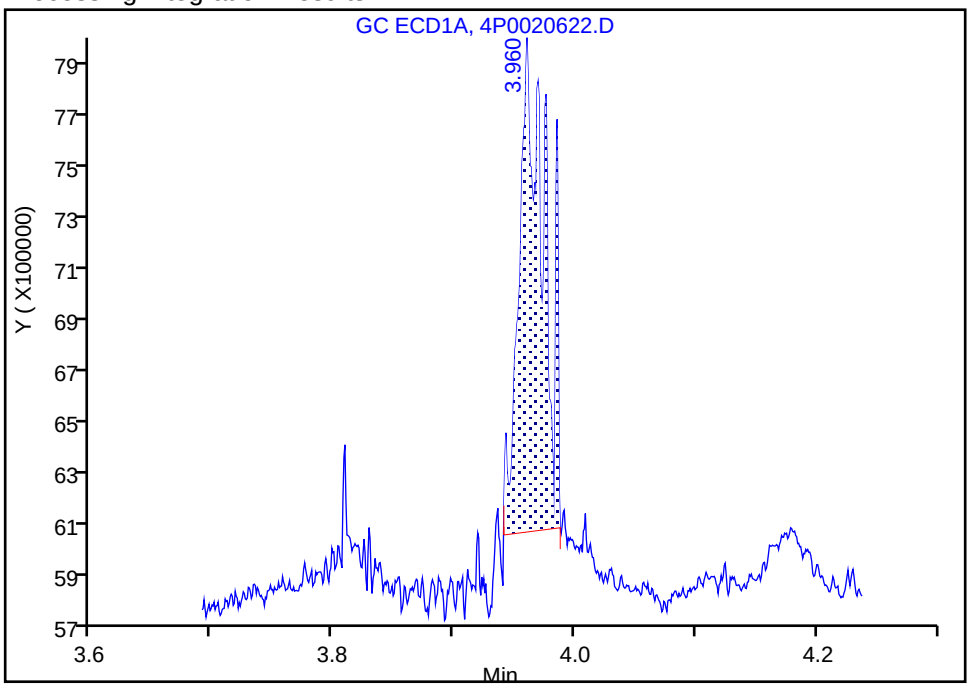
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

8 Aldrin, CAS: 309-00-2

Signal: 1

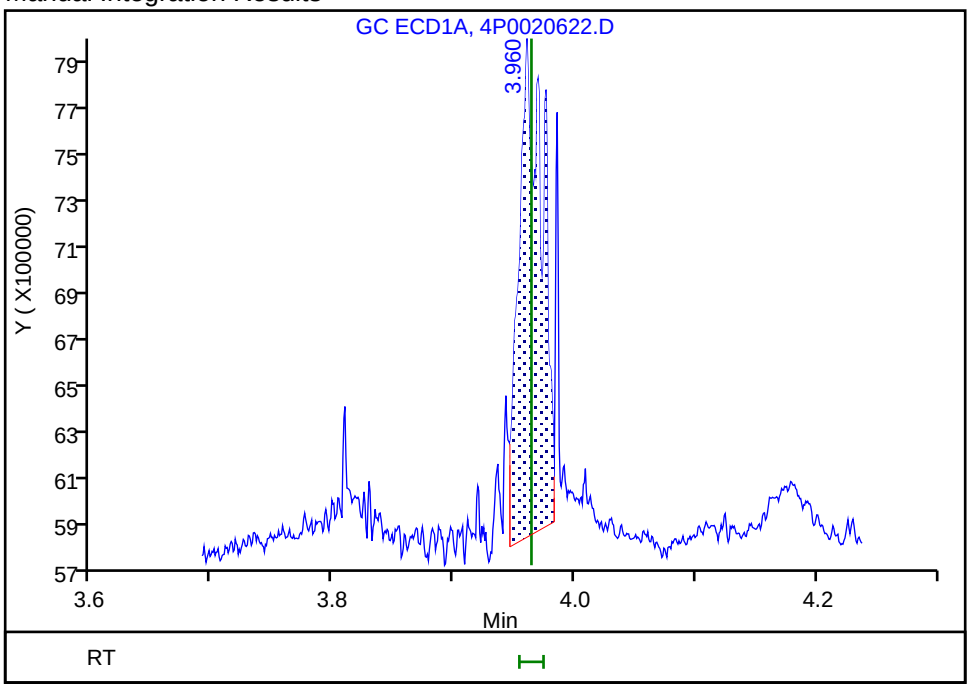
Processing Integration Results

RT: 3.96
Area: 2595826
Amount: 2.617243
Amount Units: ug/l



Manual Integration Results

RT: 3.96
Area: 2752838
Amount: 2.740839
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 09:14:59
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

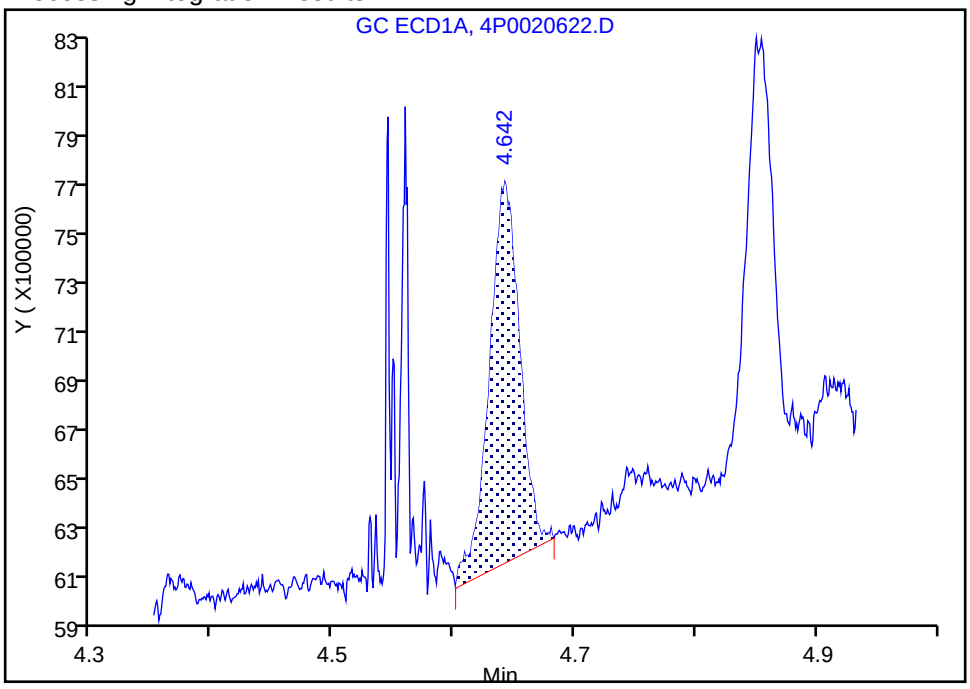
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

12 Heptachlor epoxide, CAS: 1024-57-3

Signal: 1

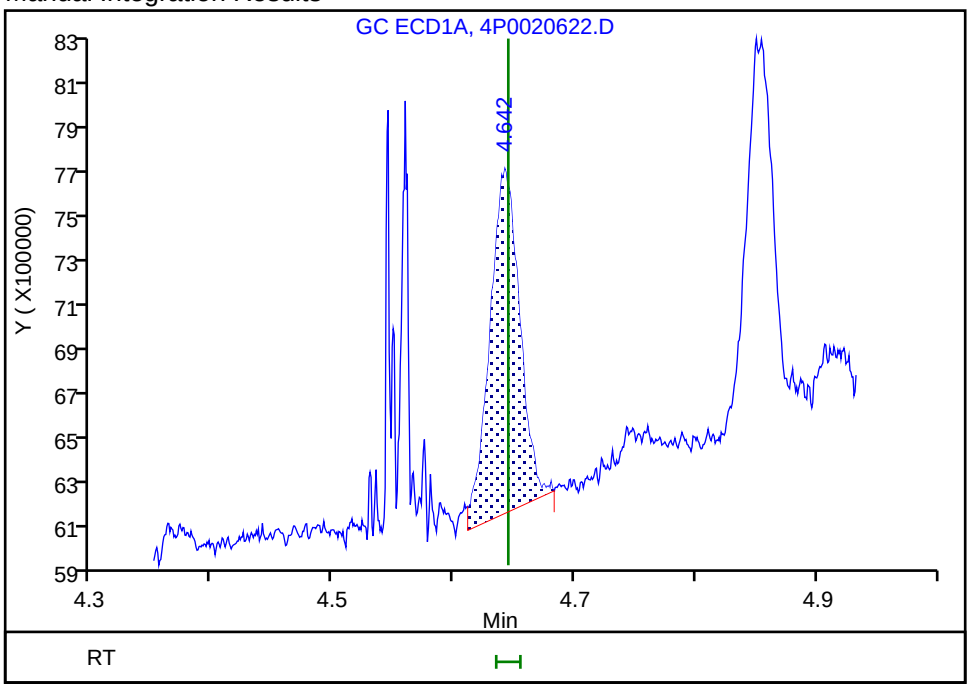
Processing Integration Results

RT: 4.64
Area: 2630008
Amount: 2.823052
Amount Units: ug/l



Manual Integration Results

RT: 4.64
Area: 2577853
Amount: 2.779517
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:56:01
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

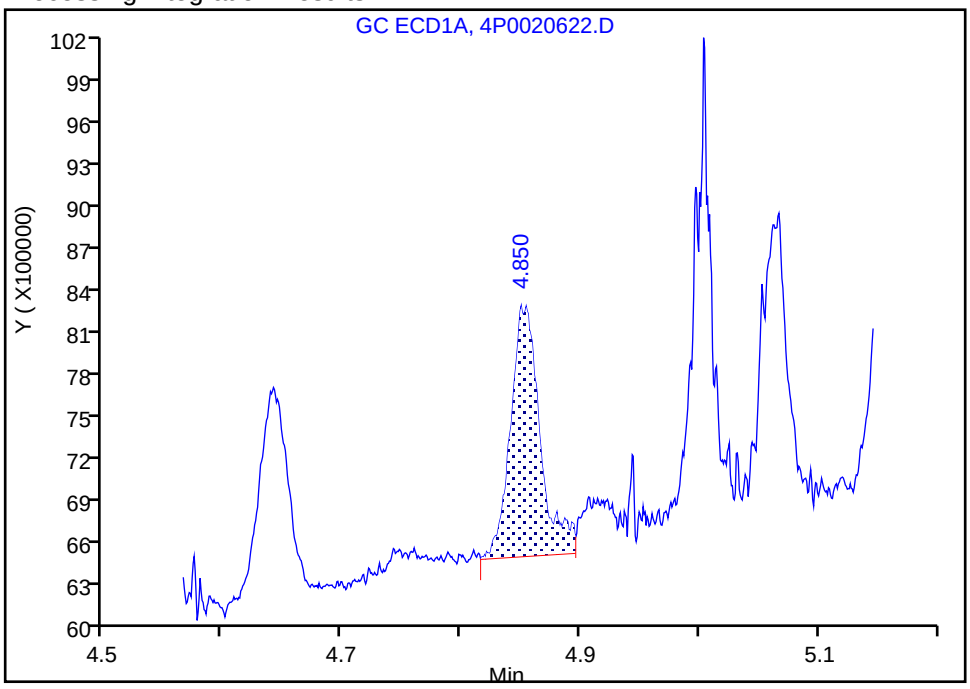
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

9 trans-Chlordane, CAS: 5103-74-2

Signal: 1

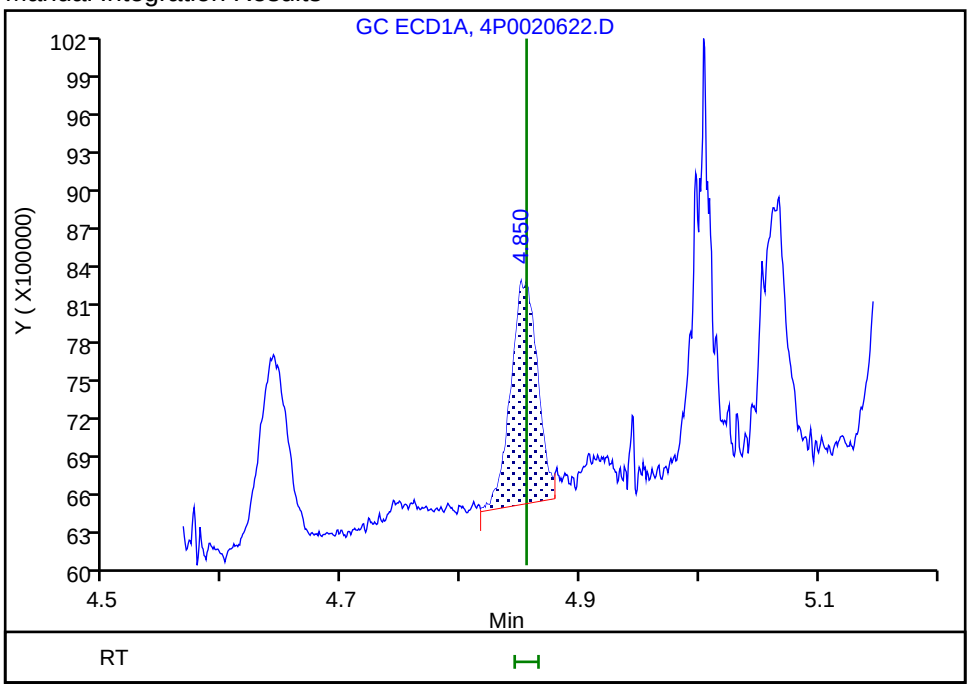
Processing Integration Results

RT: 4.85
Area: 3003867
Amount: 3.063528
Amount Units: ug/l



Manual Integration Results

RT: 4.85
Area: 2698705
Amount: 2.822581
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:56:02
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

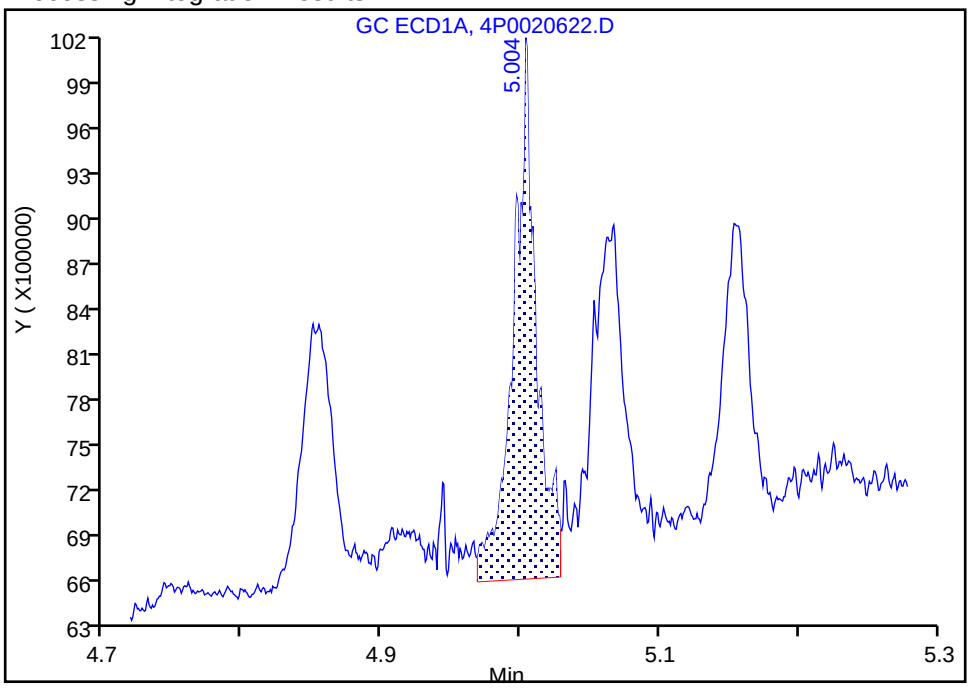
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

23 cis-Chlordane, CAS: 5103-71-9

Signal: 1

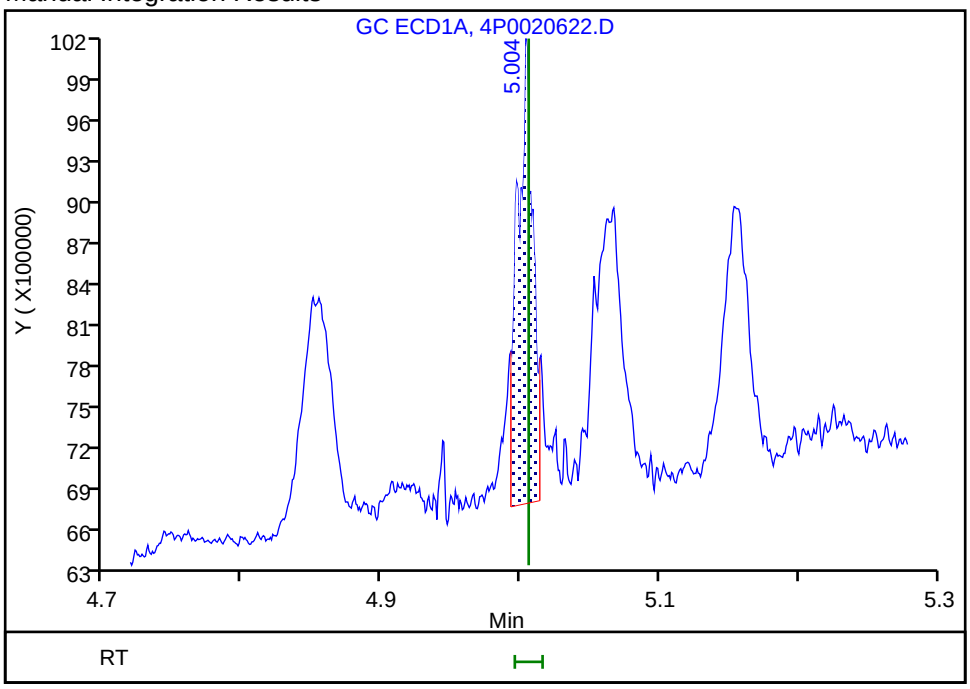
Processing Integration Results

RT: 5.00
Area: 4029671
Amount: 6.611484
Amount Units: ug/l



Manual Integration Results

RT: 5.00
Area: 2499013
Amount: 2.738755
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:56:23
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

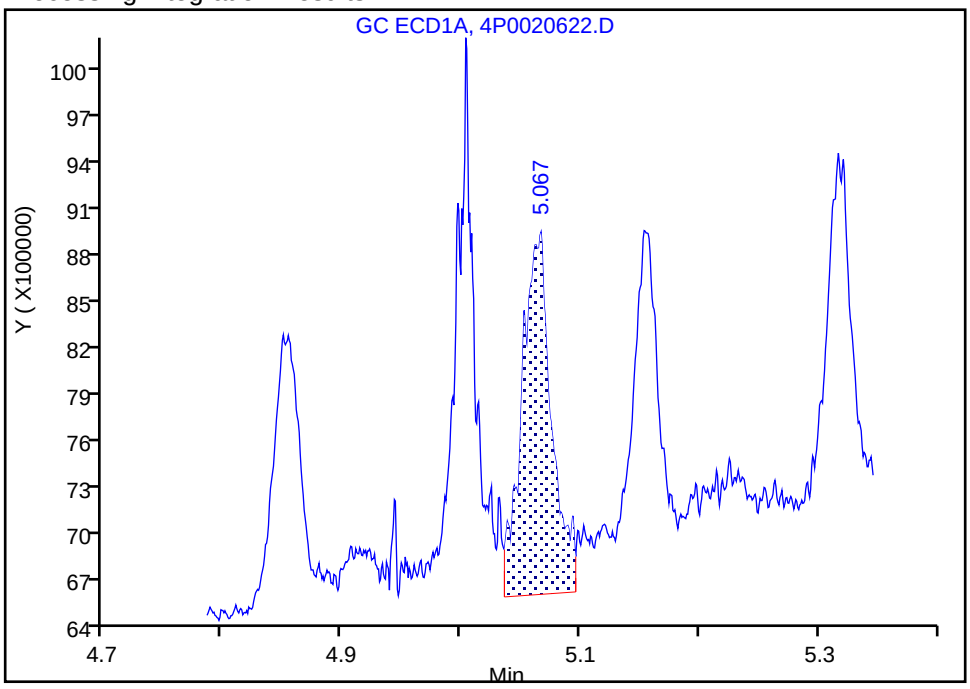
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

7 Endosulfan I, CAS: 959-98-8

Signal: 1

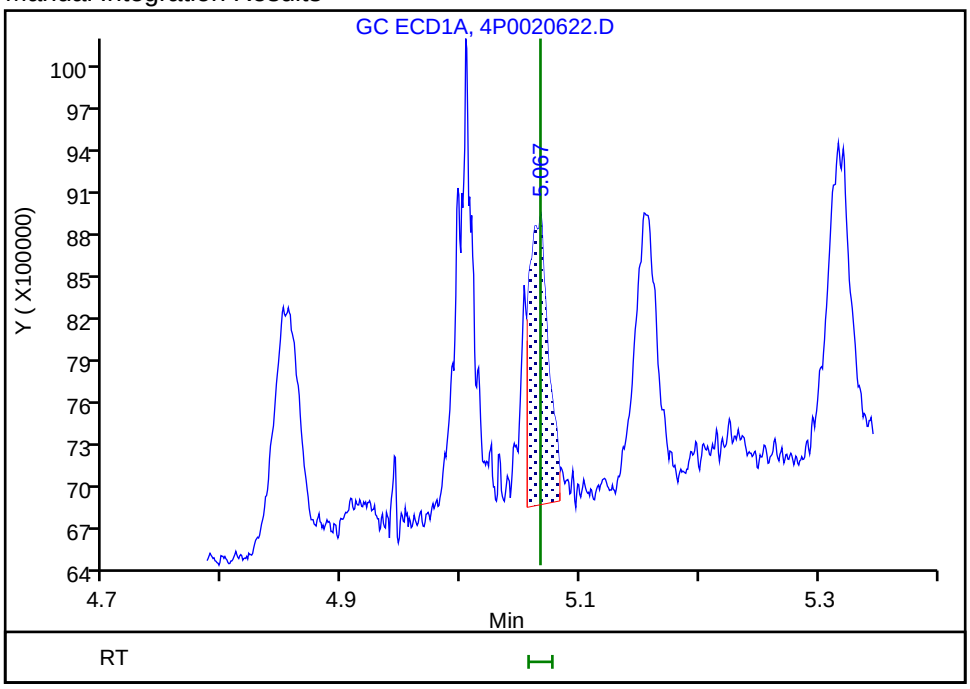
Processing Integration Results

RT: 5.07
Area: 3931227
Amount: 5.468675
Amount Units: ug/l



Manual Integration Results

RT: 5.07
Area: 2199699
Amount: 2.538147
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 09:16:19
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

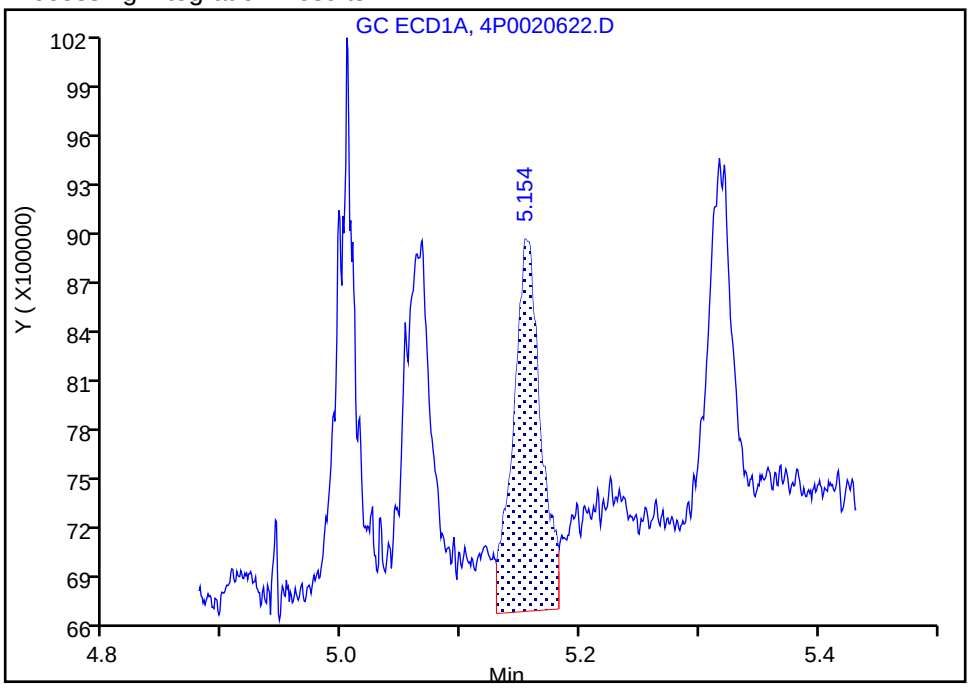
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

25 4,4'-DDE, CAS: 72-55-9

Signal: 1

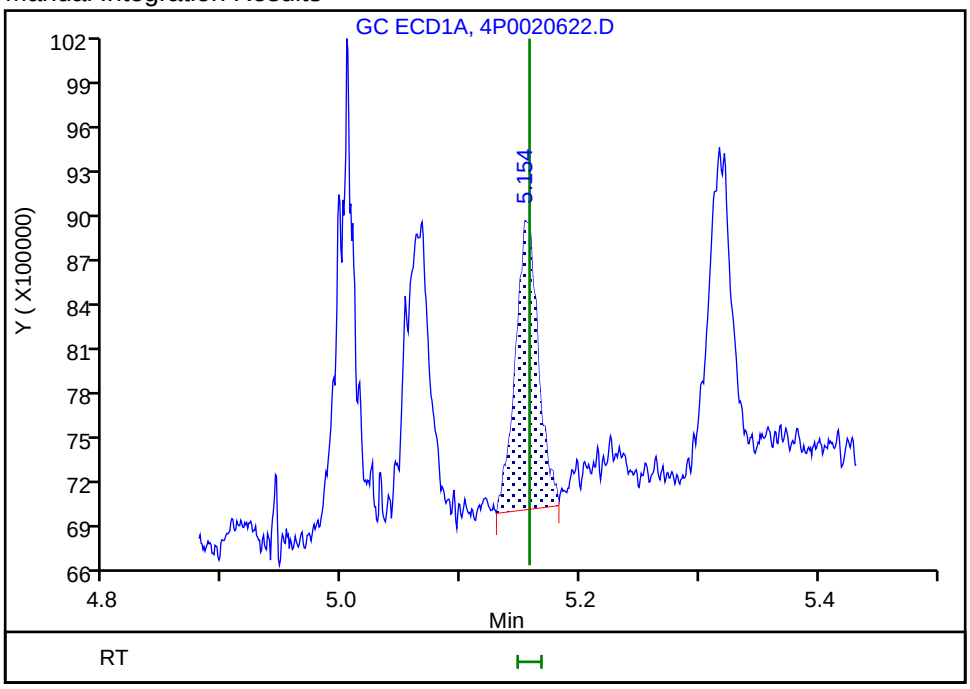
Processing Integration Results

RT: 5.15
Area: 3585135
Amount: 7.702005
Amount Units: ug/l



Manual Integration Results

RT: 5.15
Area: 2582678
Amount: 2.728471
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:54:59
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

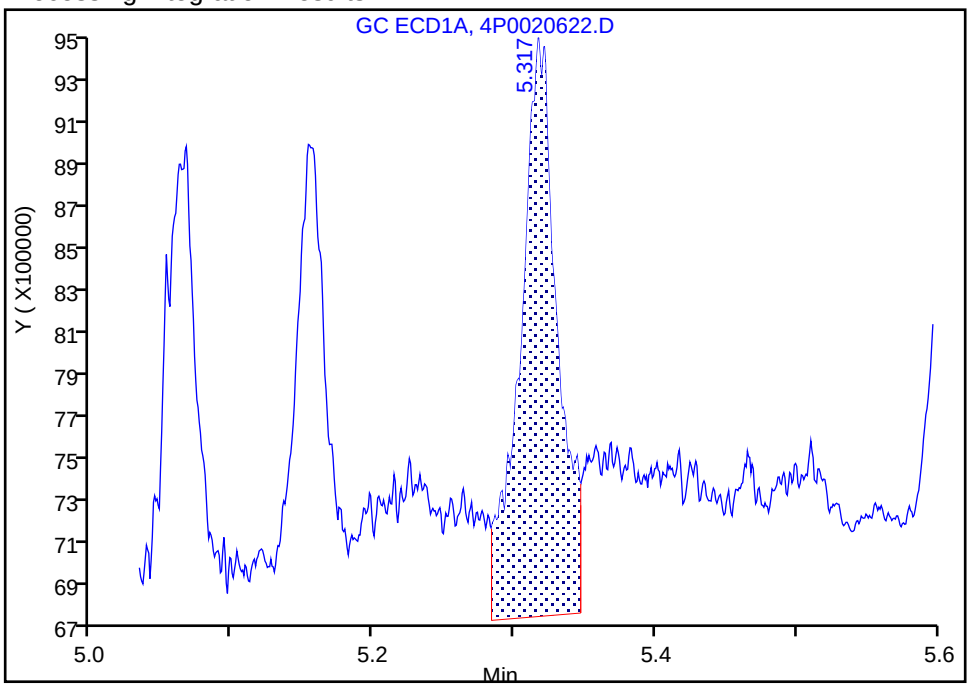
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

30 Dieldrin, CAS: 60-57-1

Signal: 1

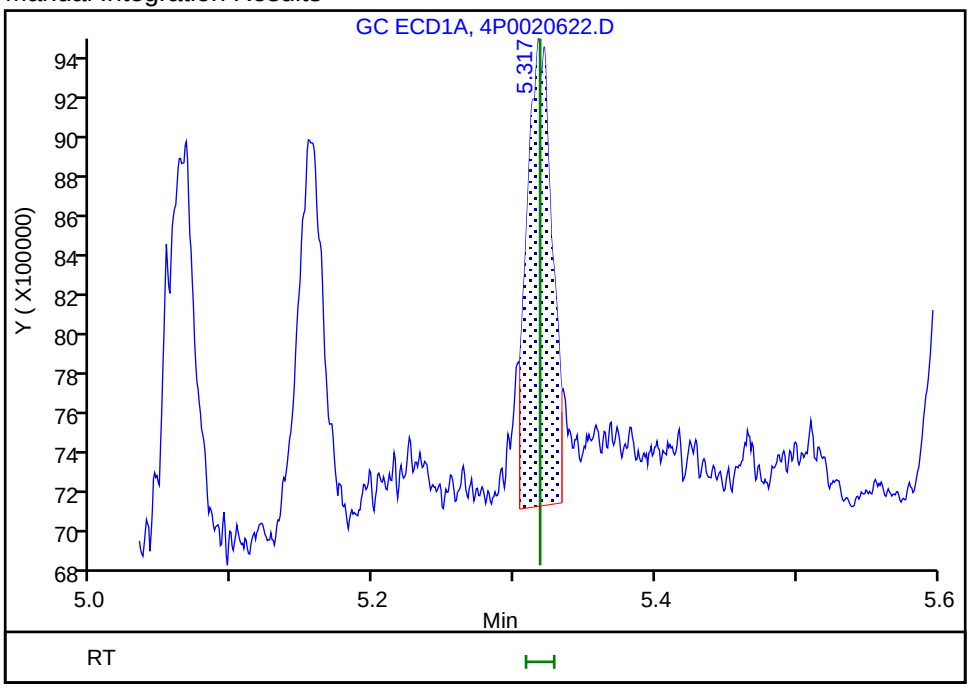
Processing Integration Results

RT: 5.32
Area: 4871125
Amount: 7.423160
Amount Units: ug/l



Manual Integration Results

RT: 5.32
Area: 2751454
Amount: 2.669429
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 09:16:41
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

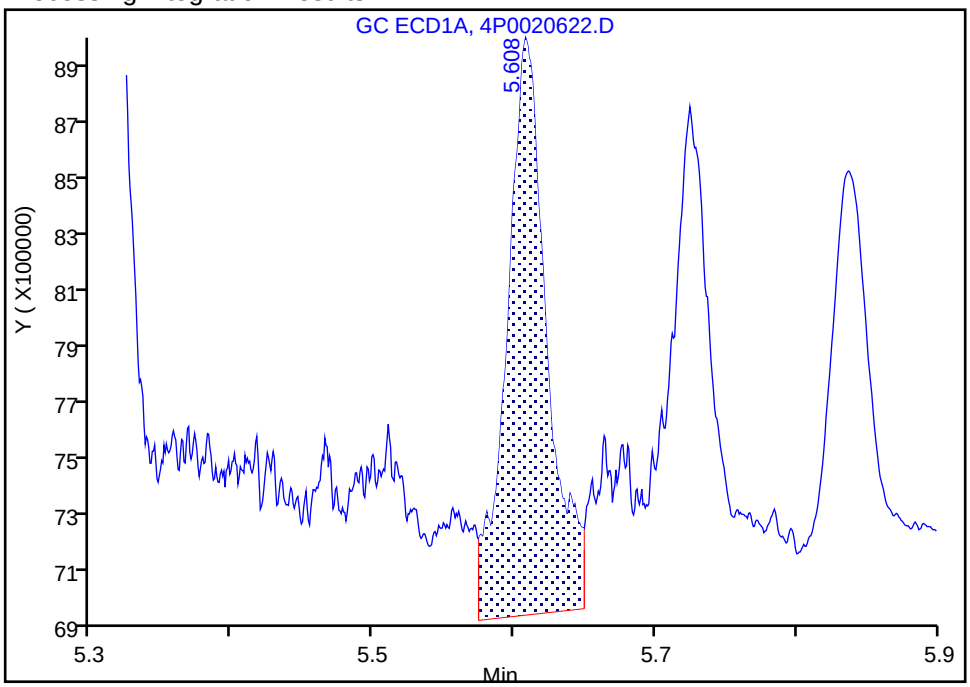
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8

Signal: 1

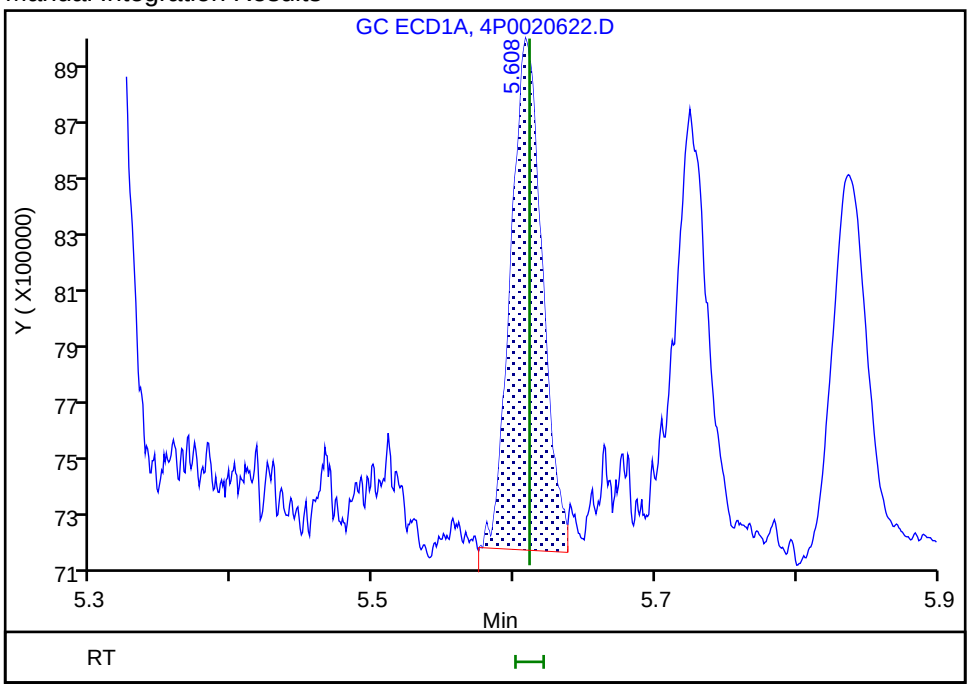
Processing Integration Results

RT: 5.61
Area: 3881191
Amount: 5.366880
Amount Units: ug/l



Manual Integration Results

RT: 5.61
Area: 2655175
Amount: 2.763363
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:56:08
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

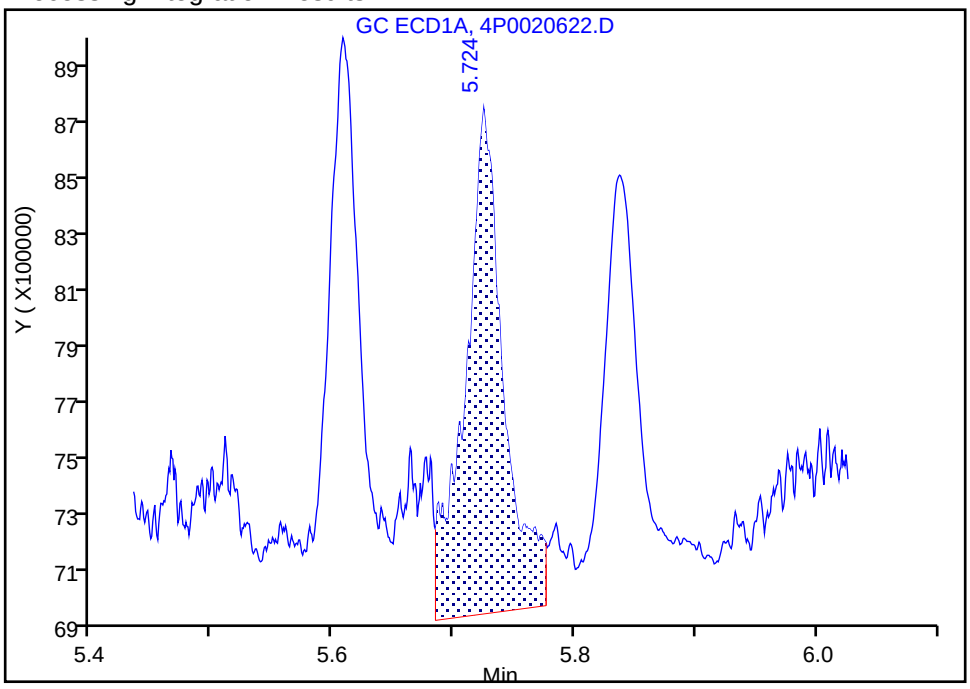
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

16 4,4'-DDD, CAS: 72-54-8

Signal: 1

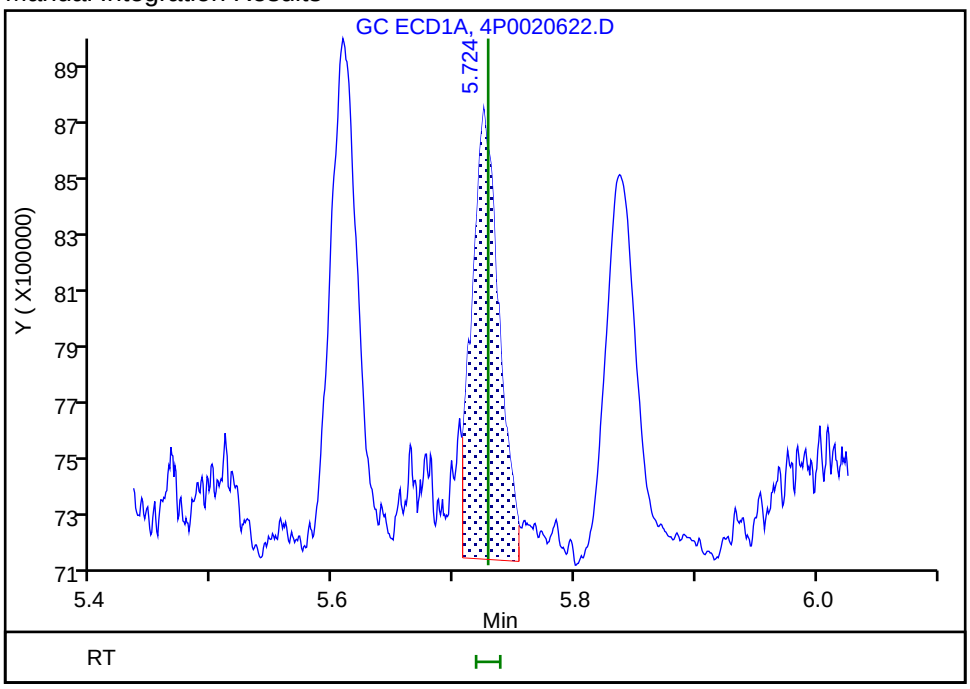
Processing Integration Results

RT: 5.72
Area: 3707815
Amount: 6.635788
Amount Units: ug/l



Manual Integration Results

RT: 5.72
Area: 2328117
Amount: 2.784820
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:56:34
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

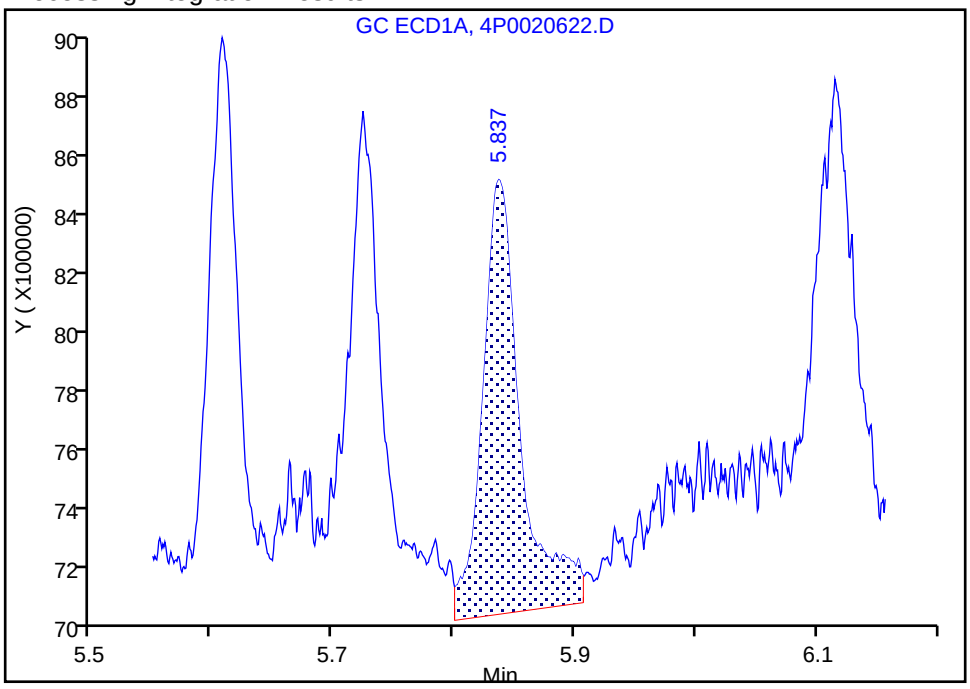
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

11 Endosulfan II, CAS: 33213-65-9

Signal: 1

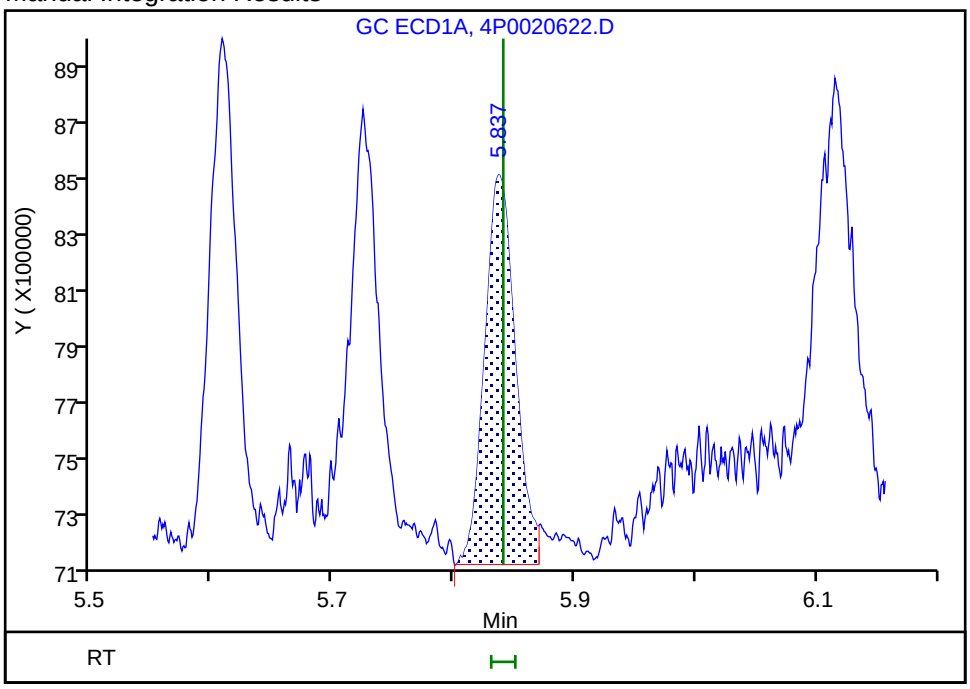
Processing Integration Results

RT: 5.84
Area: 3017550
Amount: 3.235898
Amount Units: ug/l



Manual Integration Results

RT: 5.84
Area: 2299630
Amount: 2.627880
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:56:31
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

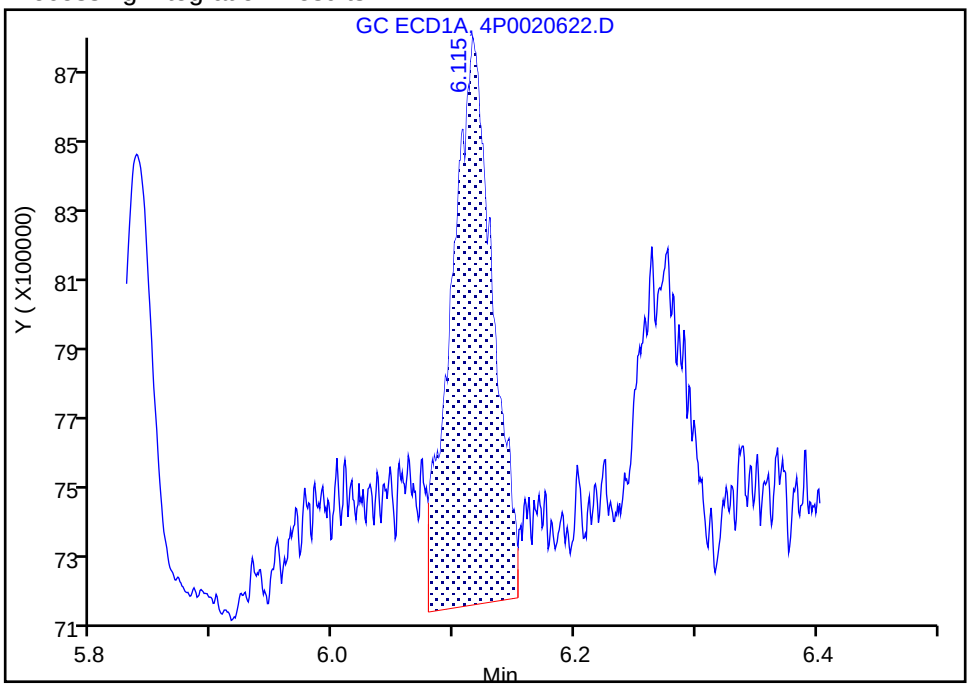
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

21 4,4'-DDT, CAS: 50-29-3

Signal: 1

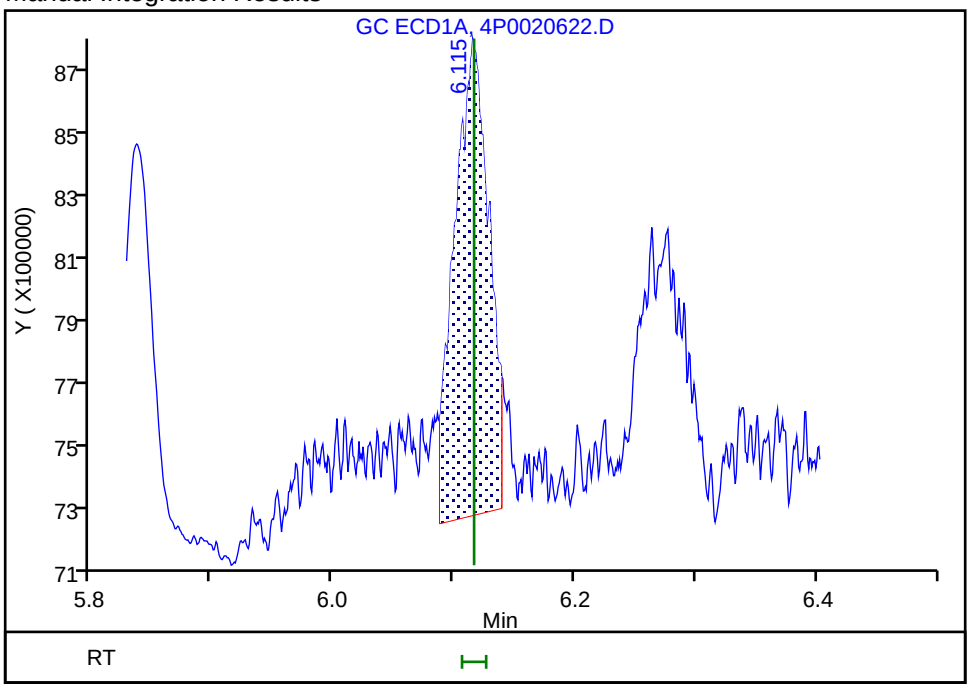
Processing Integration Results

RT: 6.12
Area: 3690007
Amount: 8.455251
Amount Units: ug/l



Manual Integration Results

RT: 6.12
Area: 2858712
Amount: 3.060759
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 09:13:39
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

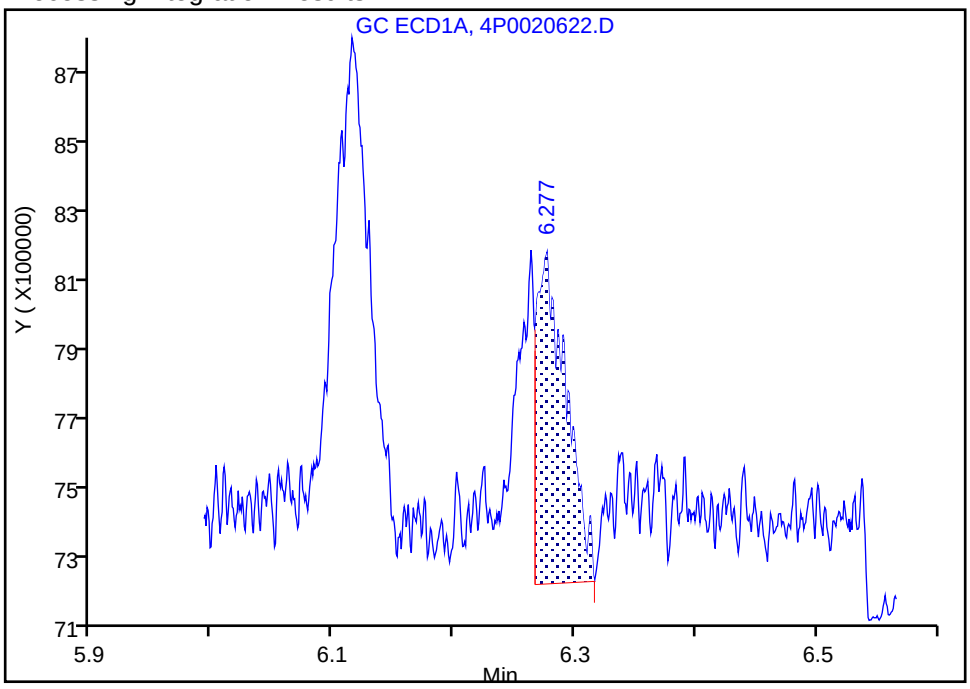
Data File:	\\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D				
Injection Date:	26-Aug-2019 13:40:07	Instrument ID:	CPESTGC4		
Lims ID:	STD PESTL1				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

5 Endrin aldehyde, CAS: 7421-93-4

Signal: 1

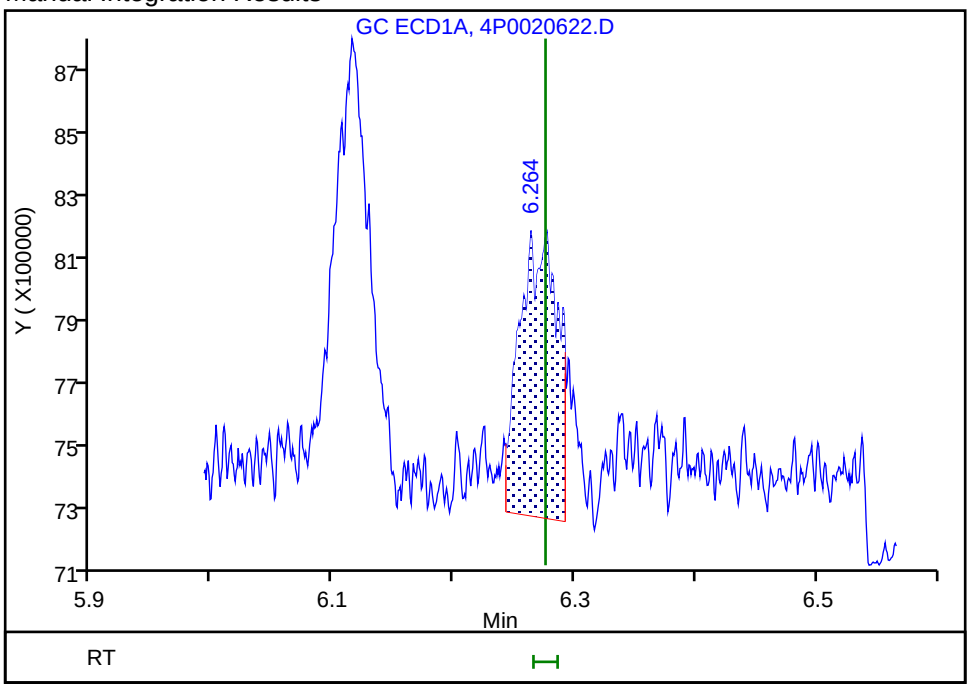
Processing Integration Results

RT: 6.28
Area: 1483123
Amount: 2.157984
Amount Units: ug/l



Manual Integration Results

RT: 6.26
Area: 1824380
Amount: 2.553105
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 09:17:36
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

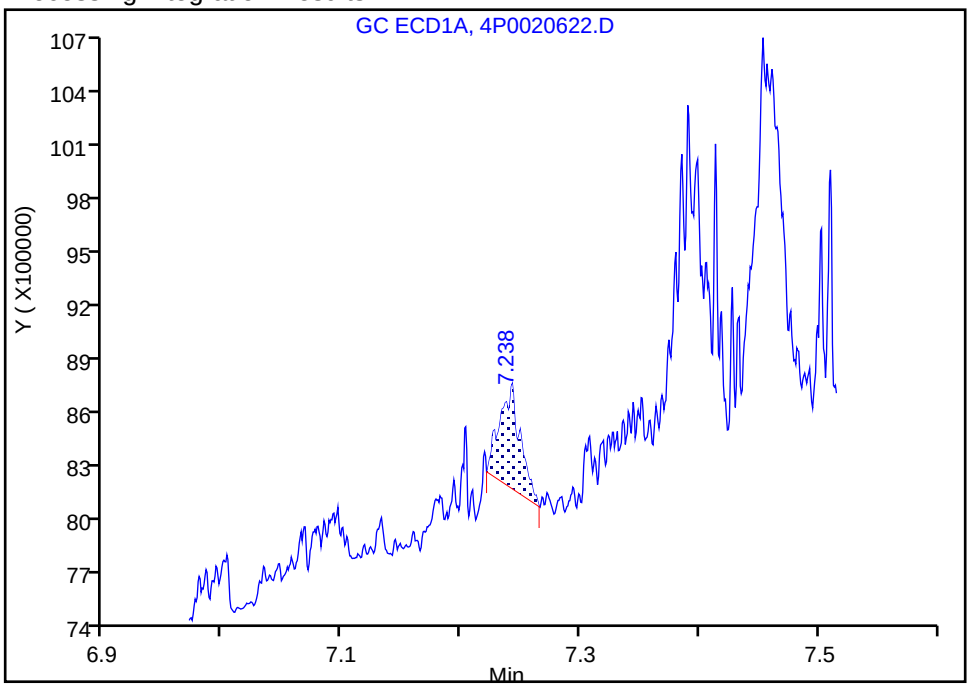
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5

Signal: 1

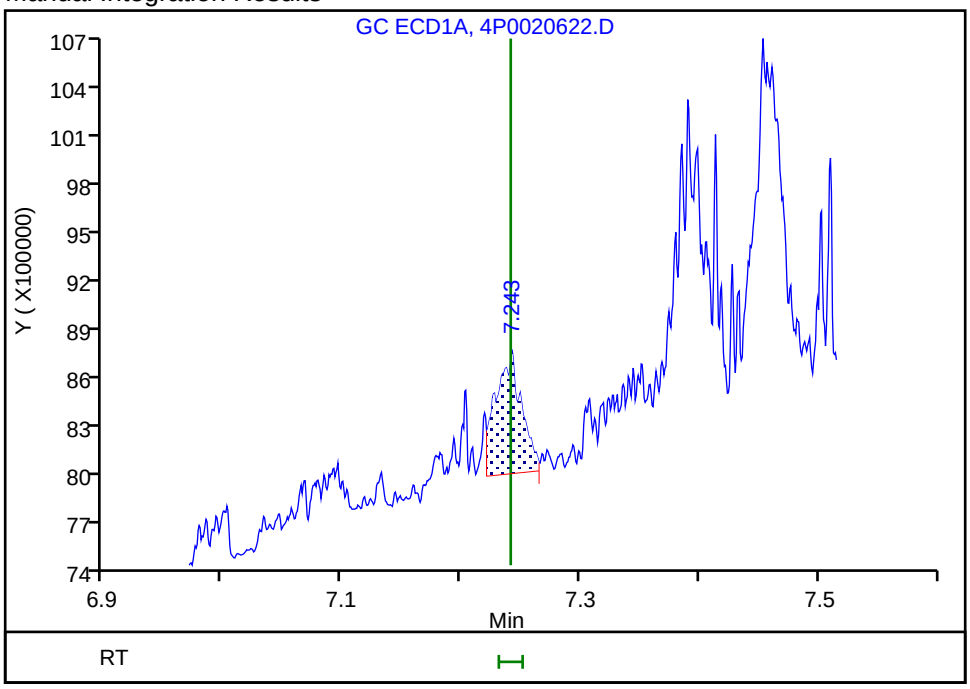
Processing Integration Results

RT: 7.24
Area: 663233
Amount: 2.418377
Amount Units: ug/l



Manual Integration Results

RT: 7.24
Area: 1091900
Amount: 2.225312
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:55:13
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

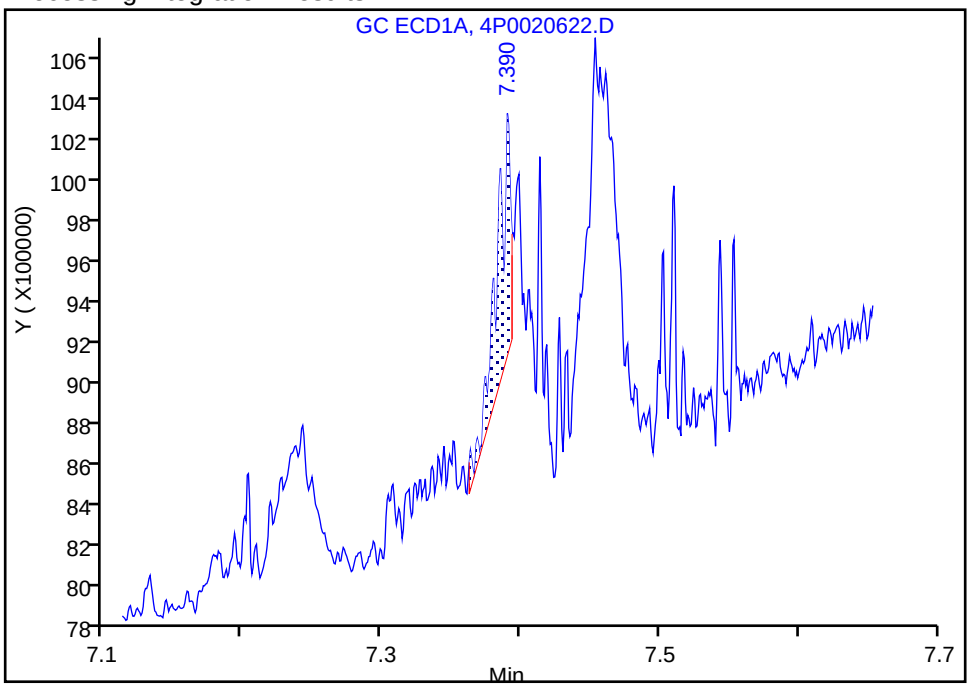
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

34 Mirex, CAS: 2385-85-5

Signal: 1

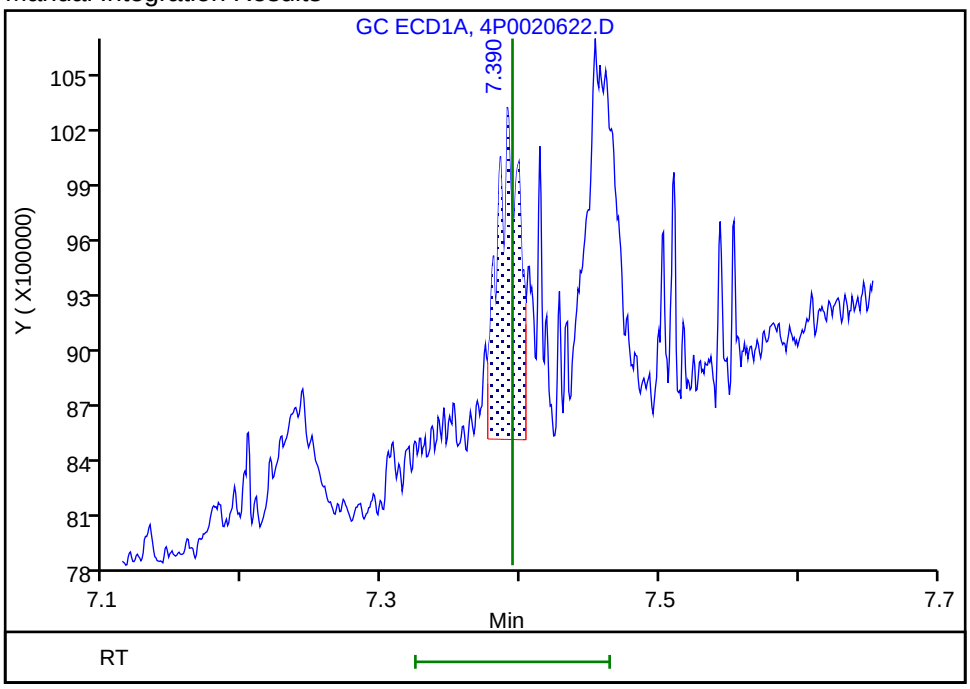
Processing Integration Results

RT: 7.39
Area: 758395
Amount: 5.058394
Amount Units: ug/l



Manual Integration Results

RT: 7.39
Area: 1869222
Amount: 2.614844
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 09:17:14
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

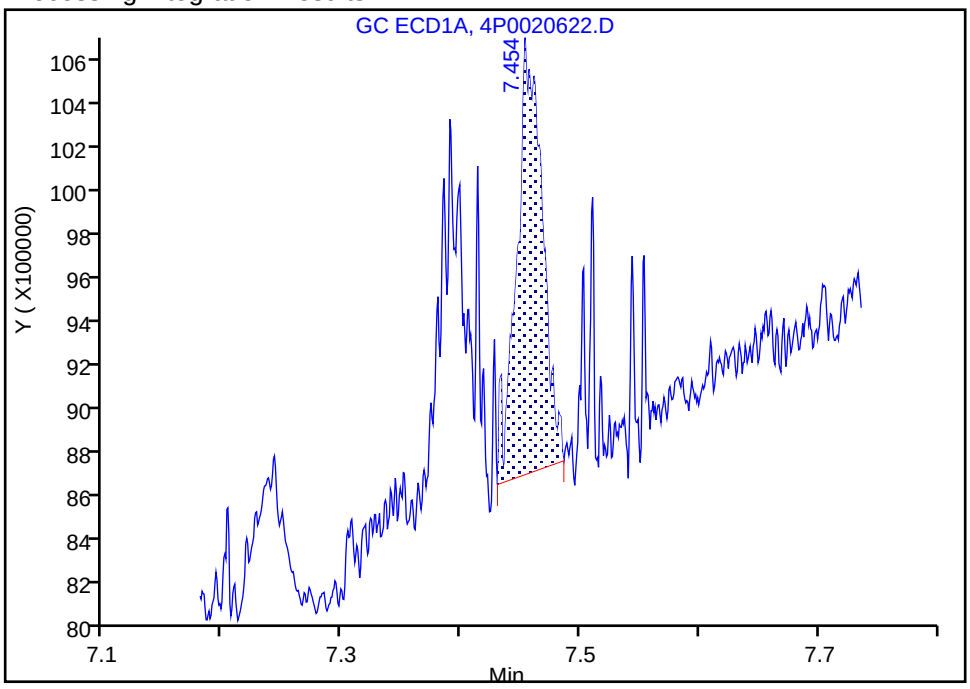
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

13 Endrin ketone, CAS: 53494-70-5

Signal: 1

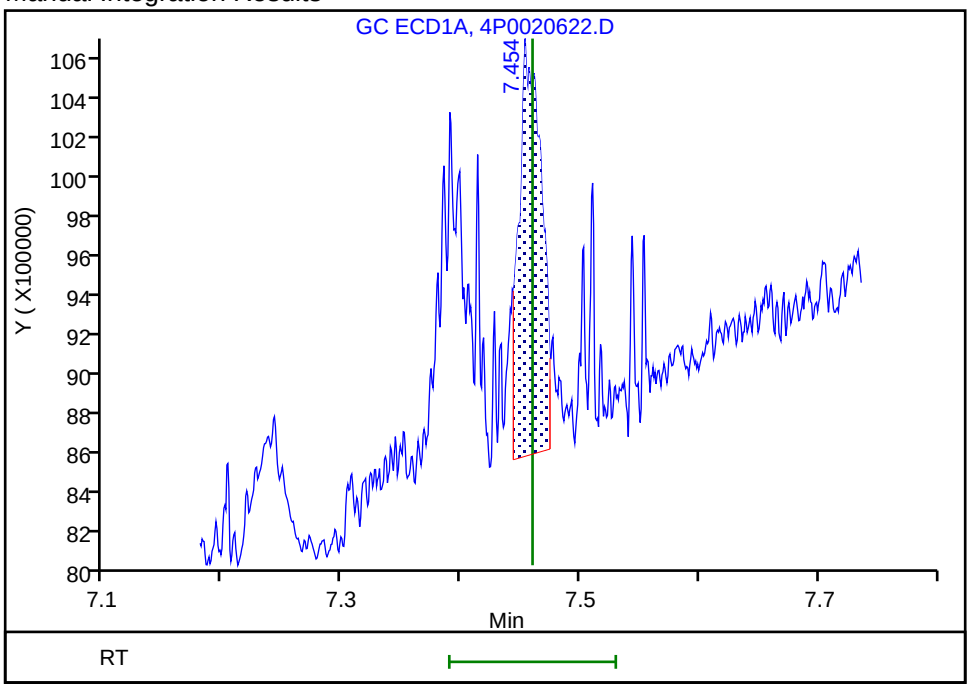
Processing Integration Results

RT: 7.45
Area: 2889816
Amount: 2.852495
Amount Units: ug/l



Manual Integration Results

RT: 7.45
Area: 2638895
Amount: 2.657471
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 09:17:01
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020623.D
Lims ID: STD PESTL2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Aug-2019 13:55:37 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:47 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.710	1.713	-0.003	59386494	100.0	100.0	
2	1.540	1.543	-0.003	100927120	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.276	2.275	0.001	34057854	50.0	50.5	
2	1.918	1.918	0.000	51890898	50.0	50.8	
						RPD = 0.63	
15 alpha-BHC							
1	2.755	2.755	0.000	53761624	50.0	51.9	
2	2.246	2.246	0.000	77586473	50.0	51.5	
						RPD = 0.74	
2 gamma-BHC (Lindane)							
1	3.086	3.085	0.001	49952847	50.0	51.2	
2	2.456	2.456	0.000	73060990	50.0	52.3	
						RPD = 2.12	
6 beta-BHC							
1	3.148	3.147	0.001	22335217	50.0	53.5	
2	2.508	2.508	0.000	31868812	50.0	51.7	
						RPD = 3.25	
32 delta-BHC							
1	3.476	3.476	0.000	49062635	50.0	52.6	
2	2.643	2.643	0.000	70705817	50.0	51.7	
						RPD = 1.76	
18 Heptachlor							
1	3.576	3.576	0.000	53889782	50.0	53.9	
2	2.808	2.808	0.000	73886583	50.0	52.2	
						RPD = 3.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.964	3.964	0.000	48609686	50.0	51.1	
2	3.064	3.065	-0.001	65436563	50.0	51.0	
						RPD = 0.22	
12 Heptachlor epoxide							
1	4.644	4.645	-0.001	45218617	50.0	51.5	
2	3.671	3.671	0.000	62235161	50.0	51.3	
						RPD = 0.39	
9 trans-Chlordane							
1	4.855	4.855	0.000	45939692	50.0	50.8	
2	3.804	3.805	-0.001	62348790	50.0	50.6	
						RPD = 0.36	
23 cis-Chlordane							
1	5.005	5.006	-0.001	44670276	50.0	51.7	
2	3.948	3.949	-0.001	59900025	50.0	50.7	
						RPD = 2.01	
7 Endosulfan I							
1	5.065	5.066	-0.001	43285491	50.0	52.8	
2	4.099	4.101	-0.002	55810120	50.0	49.9	
						RPD = 5.65	
25 4,4'-DDE							
1	5.156	5.157	-0.001	45494669	50.0	50.8	
2	4.027	4.028	-0.001	55447987	50.0	49.4	
						RPD = 2.69	
30 Dieldrin							
1	5.317	5.318	-0.001	50781009	50.0	52.0	
2	4.361	4.363	-0.002	61810196	50.0	50.5	
						RPD = 2.98	
20 Endrin							
1	5.609	5.611	-0.002	46322485	50.0	50.9	
2	4.638	4.640	-0.002	56724987	50.0	49.3	
						RPD = 3.31	
16 4,4'-DDD							
1	5.727	5.728	-0.001	40705264	50.0	51.4	
2	4.716	4.717	-0.001	47035956	50.0	49.2	
						RPD = 4.41	
11 Endosulfan II							
1	5.839	5.841	-0.002	43074547	50.0	52.0	
2	4.876	4.877	-0.001	54462924	50.0	48.9	
						RPD = 6.11	
21 4,4'-DDT							
1	6.116	6.116	0.000	44175190	50.0	50.0	
2	5.000	5.001	-0.001	55382128	50.0	48.9	
						RPD = 2.13	
5 Endrin aldehyde							
1	6.273	6.276	-0.003	35772843	50.0	52.9	
2	5.264	5.266	-0.002	48421041	50.0	47.6	
						RPD = 10.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.699	6.701	-0.002	43295704	50.0	53.0	
2	5.671	5.672	-0.001	61519102	50.0	48.8	
						RPD = 8.30	
10 Methoxychlor							
1	7.237	7.241	-0.004	25838824	50.0	55.6	
2	5.456	5.457	-0.001	33638932	50.0	48.9	
						RPD = 12.88	
34 Mirex							
1	7.392	7.394	-0.002	33936540	50.0	50.2	
2	5.541	5.542	-0.001	47391167	50.0	47.7	
						RPD = 4.99	
13 Endrin ketone							
1	7.460	7.460	0.000	49064239	50.0	52.2	
2	5.970	5.971	-0.001	70675804	50.0	50.2	
						RPD = 3.92	
$ 24 DCB Decachlorobiphenyl							
1	8.483	8.484	-0.001	38391446	50.0	50.3	
2	7.482	7.483	-0.001	68644491	50.0	49.8	
						RPD = 1.02	

Reagents:

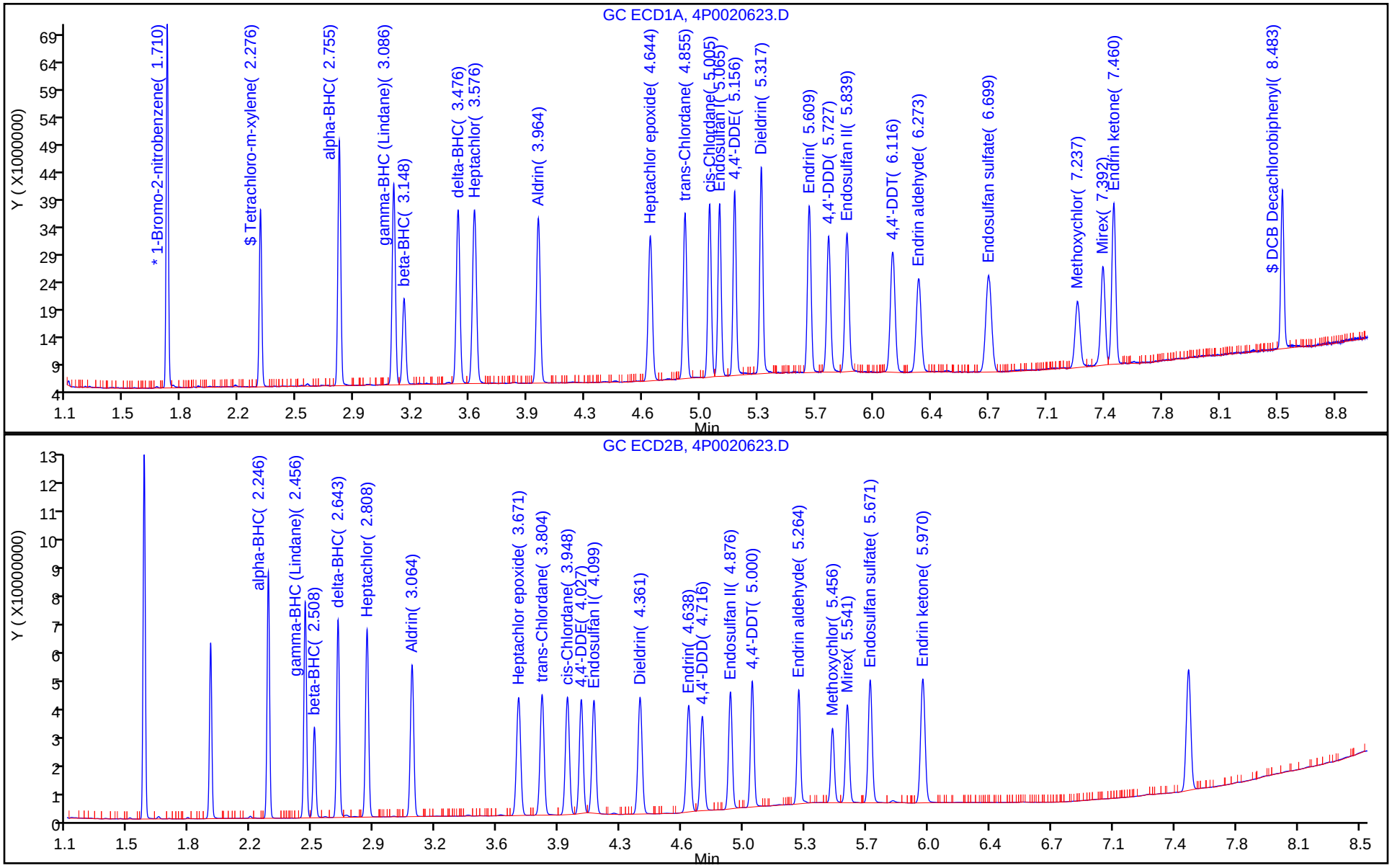
SGPESTL2_00032	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:47 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020623.D

Injection Date:	26-Aug-2019 13:55:37	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	STD PESTL2			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020624.D
Lims ID: STD PESTL3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 26-Aug-2019 14:11:00 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:50 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 15:17:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.709	1.709	0.000	63884093	100.0	100.0	
2	1.540	1.540	0.000	107854225	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.275	2.275	0.000	68344013	100.0	94.2	
2	1.918	1.918	0.000	105995855	100.0	97.2	
						RPD = 3.06	
15 alpha-BHC							
1	2.755	2.755	0.000	107630118	100.0	96.5	
2	2.246	2.246	0.000	159951240	100.0	99.3	
						RPD = 2.85	
2 gamma-BHC (Lindane)							
1	3.085	3.085	0.000	96999856	100.0	92.4	
2	2.456	2.456	0.000	144207664	100.0	96.6	
						RPD = 4.41	
6 beta-BHC							
1	3.147	3.147	0.000	43480466	100.0	96.7	
2	2.508	2.508	0.000	63615883	100.0	96.7	
						RPD = 0.08	
32 delta-BHC							
1	3.476	3.476	0.000	97435751	100.0	97.1	
2	2.643	2.643	0.000	143134394	100.0	97.9	
						RPD = 0.81	
18 Heptachlor							
1	3.576	3.576	0.000	104684791	100.0	97.3	
2	2.808	2.808	0.000	143378804	100.0	94.8	
						RPD = 2.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.964	3.964	0.000	97394198	100.0	95.2	
2	3.065	3.065	0.000	131007821	100.0	95.6	
						RPD = 0.36	
12 Heptachlor epoxide							
1	4.645	4.645	0.000	88297264	100.0	93.5	
2	3.671	3.671	0.000	121330590	100.0	93.6	
						RPD = 0.11	
9 trans-Chlordane							
1	4.855	4.855	0.000	90299168	100.0	92.8	
2	3.805	3.805	0.000	122244664	100.0	92.8	
						RPD = 0.05	
23 cis-Chlordane							
1	5.006	5.006	0.000	86988610	100.0	93.6	
2	3.949	3.949	0.000	117675528	100.0	93.2	
						RPD = 0.47	
7 Endosulfan I							
1	5.066	5.066	0.000	85873367	100.0	97.3	
2	4.101	4.101	0.000	115066206	100.0	96.2	
						RPD = 1.14	
25 4,4'-DDE							
1	5.157	5.157	0.000	90789288	100.0	94.2	
2	4.028	4.028	0.000	114365717	100.0	95.4	
						RPD = 1.27	
30 Dieldrin							
1	5.318	5.318	0.000	98142002	100.0	93.5	
2	4.363	4.363	0.000	120143659	100.0	91.9	
						RPD = 1.74	
20 Endrin							
1	5.611	5.611	0.000	94354482	100.0	96.4	
2	4.640	4.640	0.000	117196640	100.0	95.3	
						RPD = 1.23	
16 4,4'-DDD							
1	5.728	5.728	0.000	79257833	100.0	93.1	
2	4.717	4.717	0.000	95205822	100.0	93.2	
						RPD = 0.13	
11 Endosulfan II							
1	5.841	5.841	0.000	86152688	100.0	96.7	
2	4.877	4.877	0.000	112466858	100.0	94.5	
						RPD = 2.26	
21 4,4'-DDT							
1	6.116	6.116	0.000	84136175	100.0	88.5	
2	5.001	5.001	0.000	112473297	100.0	93.0	
						RPD = 4.94	
5 Endrin aldehyde							
1	6.276	6.276	0.000	69081892	100.0	94.9	
2	5.266	5.266	0.000	103644435	100.0	95.4	
						RPD = 0.51	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.701	6.701	0.000	85393966	100.0	97.2	
2	5.672	5.672	0.000	131847903	100.0	97.9	
						RPD = 0.66	
10 Methoxychlor							
1	7.241	7.241	0.000	50209636	100.0	100.5	
2	5.457	5.457	0.000	72148632	100.0	98.1	
						RPD = 2.36	
34 Mirex							
1	7.394	7.394	0.000	69973743	100.0	96.1	
2	5.542	5.542	0.000	103097593	100.0	97.1	
						RPD = 1.04	
13 Endrin ketone							
1	7.460	7.460	0.000	95529731	100.0	94.5	
2	5.971	5.971	0.000	139581444	100.0	92.8	
						RPD = 1.83	
$ 24 DCB Decachlorobiphenyl							
1	8.484	8.484	0.000	72558983	100.0	88.4	
2	7.483	7.483	0.000	132236448	100.0	89.8	
						RPD = 1.55	

Reagents:

SGPESTL3_00033	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:51 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020624.D

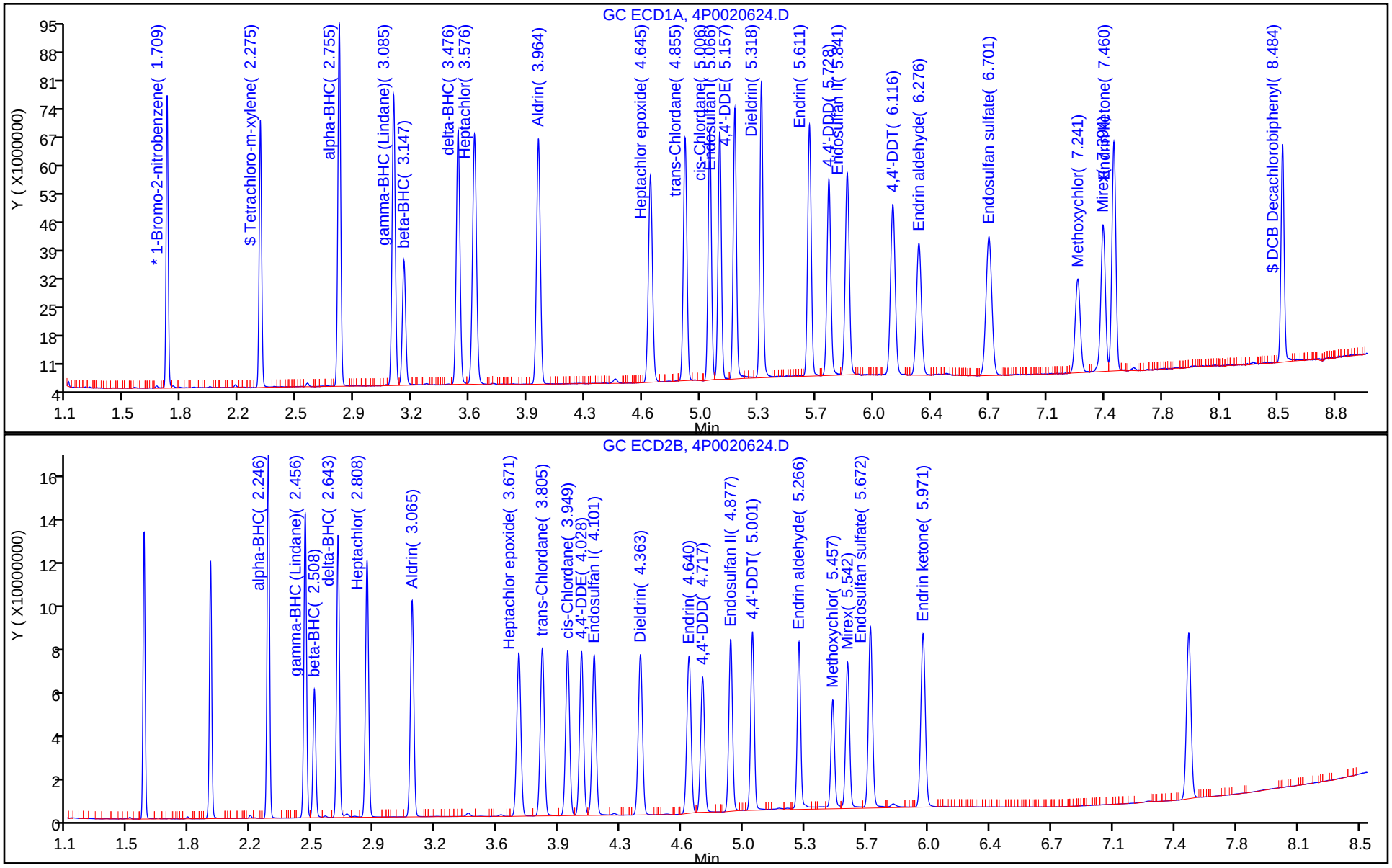
Injection Date: 26-Aug-2019 14:11:00 Instrument ID: CPESTGC4 Operator ID:

Lims ID: STD PESTL3 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020625.D
Lims ID: STD PESTL4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Aug-2019 14:26:52 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:56 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.709	0.003	55946649	100.0	100.0	
2	1.542	1.540	0.002	92746575	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.279	2.275	0.004	97794878	150.0	154.0	
2	1.921	1.918	0.003	149862511	150.0	159.8	
						RPD = 3.69	
15 alpha-BHC							
1	2.758	2.755	0.003	230679382	250.0	236.2	
2	2.250	2.246	0.004	340410717	250.0	245.7	
						RPD = 3.97	
2 gamma-BHC (Lindane)							
1	3.089	3.085	0.004	210564206	250.0	229.0	
2	2.459	2.456	0.003	312223484	250.0	243.1	
						RPD = 5.97	
6 beta-BHC							
1	3.152	3.147	0.005	88261957	250.0	224.2	
2	2.512	2.508	0.004	131294513	250.0	232.0	
						RPD = 3.40	
32 delta-BHC							
1	3.481	3.476	0.005	211965669	250.0	241.1	
2	2.647	2.643	0.004	306462282	250.0	243.7	
						RPD = 1.05	
18 Heptachlor							
1	3.580	3.576	0.004	228074457	250.0	242.1	
2	2.812	2.808	0.004	310990041	250.0	239.0	
						RPD = 1.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.968	3.964	0.004	206739256	250.0	230.8	
2	3.068	3.065	0.003	283498596	250.0	240.5	
						RPD = 4.11	
12 Heptachlor epoxide							
1	4.648	4.645	0.003	192385695	250.0	232.6	
2	3.674	3.671	0.003	272741259	250.0	244.7	
						RPD = 5.05	
9 trans-Chlordane							
1	4.858	4.855	0.003	197753507	250.0	231.9	
2	3.807	3.805	0.002	278864532	250.0	246.2	
						RPD = 5.95	
23 cis-Chlordane							
1	5.007	5.006	0.001	190692866	250.0	234.4	
2	3.952	3.949	0.003	264394904	250.0	243.5	
						RPD = 3.82	
7 Endosulfan I							
1	5.067	5.066	0.001	183763656	250.0	237.8	
2	4.102	4.101	0.001	254231529	250.0	247.2	
						RPD = 3.88	
25 4,4'-DDE							
1	5.159	5.157	0.002	197630393	250.0	234.1	
2	4.031	4.028	0.003	258745950	250.0	251.0	
						RPD = 6.95	
30 Dieldrin							
1	5.321	5.318	0.003	217393117	250.0	236.5	
2	4.365	4.363	0.002	285316780	250.0	253.8	
						RPD = 7.04	
20 Endrin							
1	5.612	5.611	0.001	198432671	250.0	231.6	
2	4.642	4.640	0.002	265703394	250.0	251.2	
						RPD = 8.11	
16 4,4'-DDD							
1	5.730	5.728	0.002	174145163	250.0	233.6	
2	4.719	4.717	0.002	230769906	250.0	262.8	
						RPD = 11.76	
11 Endosulfan II							
1	5.842	5.841	0.001	184776506	250.0	236.8	
2	4.878	4.877	0.001	255794729	250.0	250.0	
						RPD = 5.43	
21 4,4'-DDT							
1	6.118	6.116	0.002	189058645	250.0	227.0	
2	5.002	5.001	0.001	272696562	250.0	262.1	
						RPD = 14.35	
5 Endrin aldehyde							
1	6.276	6.276	0.000	151776777	250.0	238.2	
2	5.267	5.266	0.001	236877591	250.0	253.6	
						RPD = 6.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.702	6.701	0.001	181206221	250.0	235.6	
2	5.673	5.672	0.001	292643776	250.0	252.6	
						RPD = 6.98	
10 Methoxychlor							
1	7.241	7.241	0.000	106020353	250.0	242.3	
2	5.458	5.457	0.001	158518606	250.0	250.8	
						RPD = 3.43	
34 Mirex							
1	7.395	7.394	0.001	154572332	250.0	242.5	
2	5.543	5.542	0.001	238515198	250.0	261.3	
						RPD = 7.48	
13 Endrin ketone							
1	7.460	7.460	0.000	208115694	250.0	235.0	
2	5.972	5.971	0.001	324841965	250.0	251.0	
						RPD = 6.59	
$ 24 DCB Decachlorobiphenyl							
1	8.483	8.484	-0.001	112252913	150.0	156.2	
2	7.483	7.483	0.000	205997928	150.0	162.6	
						RPD = 4.06	

Reagents:

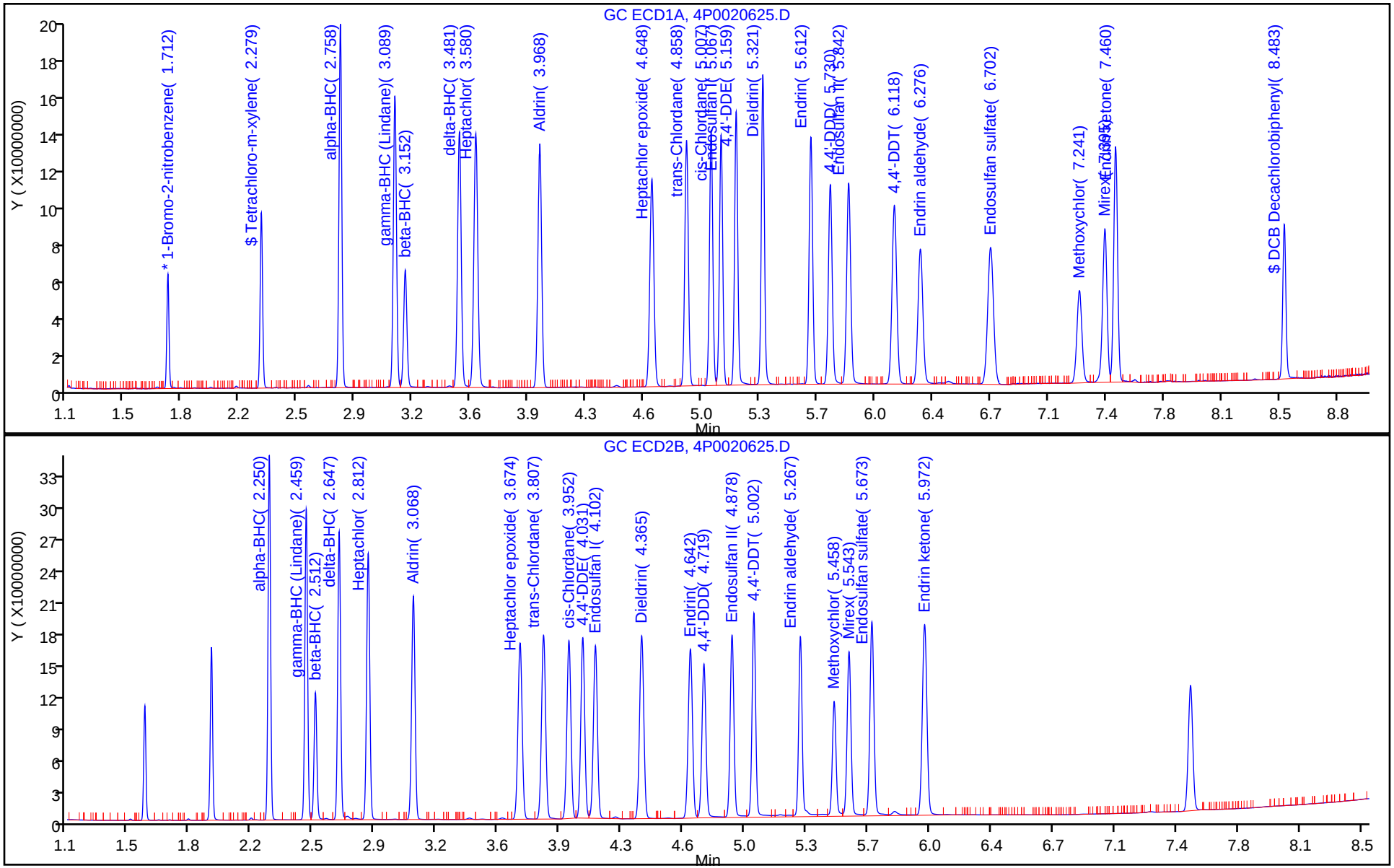
SGPESTL4_00030	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:57 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020625.D

Injection Date:	26-Aug-2019 14:26:52	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	STD PESTL4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020626.D
Lims ID: STD PESTL5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Aug-2019 14:42:16 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:59 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.709	0.003	53966369	100.0	100.0	
2	1.543	1.540	0.003	90456085	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.279	2.275	0.004	133384120	200.0	217.7	
2	1.921	1.918	0.003	205471077	200.0	224.6	
						RPD = 3.11	
15 alpha-BHC							
1	2.758	2.755	0.003	486090844	500.0	515.9	
2	2.250	2.246	0.004	728307219	500.0	539.0	
						RPD = 4.39	
2 gamma-BHC (Lindane)							
1	3.089	3.085	0.004	442719047	500.0	499.2	
2	2.460	2.456	0.004	671205888	500.0	535.9	
						RPD = 7.09	
6 beta-BHC							
1	3.151	3.147	0.004	179521346	500.0	472.8	
2	2.512	2.508	0.004	278417437	500.0	504.4	
						RPD = 6.47	
32 delta-BHC							
1	3.479	3.476	0.003	440780640	500.0	519.8	
2	2.646	2.643	0.003	663172576	500.0	540.6	
						RPD = 3.92	
18 Heptachlor							
1	3.580	3.576	0.004	470133535	500.0	517.3	
2	2.811	2.808	0.003	660992529	500.0	520.9	
						RPD = 0.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.968	3.964	0.004	434297408	500.0	502.7	
2	3.068	3.065	0.003	616347838	500.0	536.2	
						RPD = 6.44	
12 Heptachlor epoxide							
1	4.646	4.645	0.001	395896544	500.0	496.3	
2	3.674	3.671	0.003	568189014	500.0	522.6	
						RPD = 5.18	
9 trans-Chlordane							
1	4.856	4.855	0.001	411385967	500.0	500.2	
2	3.808	3.805	0.003	588145287	500.0	532.4	
						RPD = 6.22	
23 cis-Chlordane							
1	5.006	5.006	0.000	391015848	500.0	498.2	
2	3.952	3.949	0.003	554752694	500.0	523.8	
						RPD = 5.02	
7 Endosulfan I							
1	5.066	5.066	0.000	374664951	500.0	502.6	
2	4.103	4.101	0.002	526578627	500.0	525.0	
						RPD = 4.35	
25 4,4'-DDE							
1	5.158	5.157	0.001	413028942	500.0	507.3	
2	4.030	4.028	0.002	552327255	500.0	549.3	
						RPD = 7.96	
30 Dieldrin							
1	5.320	5.318	0.002	447754424	500.0	505.0	
2	4.365	4.363	0.002	593743104	500.0	541.5	
						RPD = 6.97	
20 Endrin							
1	5.612	5.611	0.001	407142911	500.0	492.6	
2	4.641	4.640	0.001	546251149	500.0	529.4	
						RPD = 7.20	
16 4,4'-DDD							
1	5.729	5.728	0.001	356602522	500.0	495.9	
2	4.719	4.717	0.002	477352091	500.0	557.3	
						RPD = 11.67	
11 Endosulfan II							
1	5.841	5.841	0.000	374393074	500.0	497.4	
2	4.878	4.877	0.001	513212950	500.0	514.3	
						RPD = 3.35	
21 4,4'-DDT							
1	6.118	6.116	0.002	395122871	500.0	491.8	
2	5.002	5.001	0.001	552549591	500.0	544.5	
						RPD = 10.16	
5 Endrin aldehyde							
1	6.277	6.276	0.001	313095506	500.0	509.4	
2	5.266	5.266	0.000	461773242	500.0	506.9	
						RPD = 0.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.701	6.701	0.000	368750193	500.0	497.0	
2	5.672	5.672	0.000	574258208	500.0	508.2	
						RPD = 2.24	
10 Methoxychlor							
1	7.240	7.241	-0.001	215888379	500.0	511.5	
2	5.458	5.457	0.001	306153506	500.0	496.6	
						RPD = 2.96	
34 Mirex							
1	7.395	7.394	0.001	313504111	500.0	509.9	
2	5.543	5.542	0.001	459261127	500.0	515.9	
						RPD = 1.18	
13 Endrin ketone							
1	7.460	7.460	0.000	430542770	500.0	504.1	
2	5.972	5.971	0.001	644409192	500.0	510.6	
						RPD = 1.29	
$ 24 DCB Decachlorobiphenyl							
1	8.483	8.484	-0.001	151221324	200.0	218.1	
2	7.483	7.483	0.000	280633564	200.0	227.2	
						RPD = 4.08	

Reagents:

SGPESTL5_00030	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:24:00 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020626.D

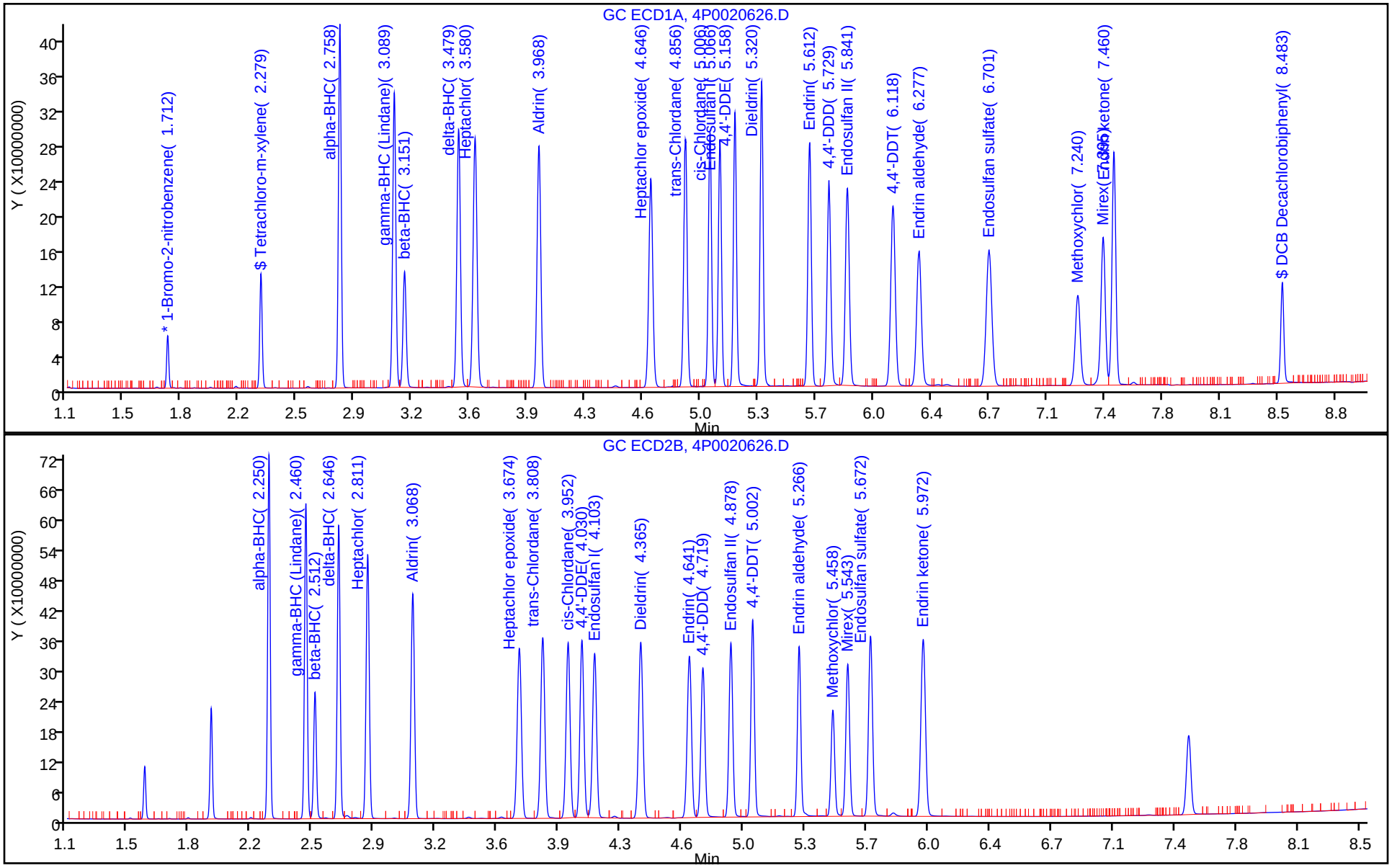
Injection Date: 26-Aug-2019 14:42:16 Instrument ID: CPESTGC4 Operator ID:

Lims ID: STD PESTL5 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 13:40 Calibration End Date: 08/26/2019 14:42 Calibration ID: 76325

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-635023/3	4P0020622.D
Level 2	STD 460-635023/4	4P0020623.D
Level 3	STD 460-635023/5	4P0020624.D
Level 4	STD 460-635023/6	4P0020625.D
Level 5	STD 460-635023/7	4P0020626.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								
alpha-BHC	1.3695	1.5375	1.4830	1.4681	1.6103	Ave		1.4937				6.0		20.0			
gamma-BHC (Lindane)	1.3082	1.4478	1.3371	1.3466	1.4840	Ave		1.3847				5.5		20.0			
beta-BHC	0.6480	0.6315	0.5898	0.5663	0.6156	Ave		0.6102				5.3		20.0			
delta-BHC	1.2641	1.4011	1.3271	1.3217	1.4663	Ave		1.3561				5.8		20.0			
Heptachlor	1.4175	1.4642	1.3294	1.3412	1.4615	Ave		1.4028				4.6		20.0			
Aldrin	1.2574	1.2967	1.2147	1.2227	1.3628	Ave		1.2708				4.8		20.0			
Heptachlor epoxide	1.2186	1.2333	1.1249	1.1763	1.2563	Ave		1.2019				4.3		20.0			
trans-Chlordane	1.2348	1.2355	1.1334	1.2027	1.3004	Ave		1.2214				5.0		20.0			
cis-Chlordane	1.2090	1.1870	1.0911	1.1403	1.2266	Ave		1.1708				4.7		20.0			
4,4'-DDE	1.0613	1.0988	1.0604	1.1159	1.2212	Ave		1.1115				5.9		20.0			
Endosulfan I	1.1110	1.1059	1.0669	1.0965	1.1643	Ave		1.1089				3.2		20.0			
Dieldrin	1.1788	1.2248	1.1139	1.2305	1.3128	Ave		1.2122				6.0		20.0			
Endrin	1.1387	1.1241	1.0866	1.1459	1.2078	Ave		1.1406				3.9		20.0			
4,4'-DDD	0.8687	0.9321	0.8827	0.9953	1.0554	Ave		0.9468				8.3		20.0			
Endosulfan II	1.1558	1.0793	1.0428	1.1032	1.1347	Ave		1.1031				4.0		20.0			
4,4'-DDT	1.0712	1.0975	1.0428	1.1761	1.2217	Ave		1.1219				6.7		20.0			
Endrin aldehyde	1.0719	0.9595	0.9610	1.0216	1.0210	Ave		1.0070				4.7		20.0			
Methoxychlor	0.7118	0.6666	0.6689	0.6837	0.6769	Ave		0.6816				2.7		20.0			
Mirex	0.9814	0.9391	0.9559	1.0287	1.0154	Ave		0.9841				3.9		20.0			
Endosulfan sulfate	1.2724	1.2191	1.2225	1.2621	1.2697	Ave		1.2491				2.1		20.0			
Endrin ketone	1.4553	1.4005	1.2942	1.4010	1.4248	Ave		1.3952				4.4		20.0			
Tetrachloro-m-xylene	0.8331	1.0283	0.9828	1.0772	1.1358	Ave		1.0114				11.3		20.0			
DCB Decachlorobiphenyl	1.2101	1.3603	1.2261	1.4807	1.5512	Ave		1.3657				11.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 13:40 Calibration End Date: 08/26/2019 14:42 Calibration ID: 76325

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-635023/3	4P0020622.D
Level 2	STD 460-635023/4	4P0020623.D
Level 3	STD 460-635023/5	4P0020624.D
Level 4	STD 460-635023/6	4P0020625.D
Level 5	STD 460-635023/7	4P0020626.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	3542817	77586473	159951240	340410717	728307219	2.50	50.0	100	250	500
gamma-BHC (Lindane)	BNB	Ave	3384091	73060990	144207664	312223484	671205888	2.50	50.0	100	250	500
beta-BHC	BNB	Ave	1676276	31868812	63615883	131294513	278417437	2.50	50.0	100	250	500
delta-BHC	BNB	Ave	3270077	70705817	143134394	306462282	663172576	2.50	50.0	100	250	500
Heptachlor	BNB	Ave	3666980	73886583	143378804	310990041	660992529	2.50	50.0	100	250	500
Aldrin	BNB	Ave	3252705	65436563	131007821	283498596	616347838	2.50	50.0	100	250	500
Heptachlor epoxide	BNB	Ave	3152389	62235161	121330590	272741259	568189014	2.50	50.0	100	250	500
trans-Chlordane	BNB	Ave	3194377	62348790	122244664	278864532	588145287	2.50	50.0	100	250	500
cis-Chlordane	BNB	Ave	3127461	59900025	117675528	264394904	554752694	2.50	50.0	100	250	500
4,4'-DDE	BNB	Ave	2745395	55447987	114365717	258745950	552327255	2.50	50.0	100	250	500
Endosulfan I	BNB	Ave	2873964	55810120	115066206	254231529	526578627	2.50	50.0	100	250	500
Dieldrin	BNB	Ave	3049336	61810196	120143659	285316780	593743104	2.50	50.0	100	250	500
Endrin	BNB	Ave	2945787	56724987	117196640	265703394	546251149	2.50	50.0	100	250	500
4,4'-DDD	BNB	Ave	2247348	47035956	95205822	230769906	477352091	2.50	50.0	100	250	500
Endosulfan II	BNB	Ave	2989904	54462924	112466858	255794729	513212950	2.50	50.0	100	250	500
4,4'-DDT	BNB	Ave	2771227	55382128	112473297	272696562	552549591	2.50	50.0	100	250	500
Endrin aldehyde	BNB	Ave	2773022	48421041	103644435	236877591	461773242	2.50	50.0	100	250	500
Methoxychlor	BNB	Ave	1841286	33638932	72148632	158518606	306153506	2.50	50.0	100	250	500
Mirex	BNB	Ave	2538824	47391167	103097593	238515198	459261127	2.50	50.0	100	250	500
Endosulfan sulfate	BNB	Ave	3291520	61519102	131847903	292643776	574258208	2.50	50.0	100	250	500
Endrin ketone	BNB	Ave	3764660	70675804	139581444	324841965	644409192	2.50	50.0	100	250	500
Tetrachloro-m-xylene	BNB	Ave	5387644	51890898	105995855	149862511	205471077	6.25	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	7825904	68644491	132236448	205997928	280633564	6.25	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Lims ID: STD PESTL1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Aug-2019 13:40:07 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:39 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 08:56:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.709	1.713	-0.004	62739743	100.0	100.0	
2	1.539	1.543	-0.004	103476828	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.274	2.275	-0.001	4150168	6.25	5.83	
2	1.917	1.918	-0.001	5387644	6.25	5.15	
						RPD = 12.37	
15 alpha-BHC							
1	2.752	2.755	-0.003	2797736	2.50	2.55	
2	2.244	2.246	-0.002	3542817	2.50	2.29	
						RPD = 10.81	
2 gamma-BHC (Lindane)							M
1	3.085	3.085	0.000	2933430	2.50	2.85	M
2	2.454	2.456	-0.002	3384091	2.50	2.36	
						RPD = 18.56	
6 beta-BHC							M
1	3.146	3.147	-0.001	1237362	2.50	2.80	M
2	2.507	2.508	-0.001	1676276	2.50	2.65	
						RPD = 5.44	
32 delta-BHC							M
1	3.474	3.476	-0.002	2399100	2.50	2.43	M
2	2.641	2.643	-0.002	3270077	2.50	2.33	
						RPD = 4.34	
18 Heptachlor							
1	3.574	3.576	-0.002	2499498	2.50	2.37	
2	2.806	2.808	-0.002	3666980	2.50	2.53	
						RPD = 6.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							M
1	3.960	3.964	-0.004	2752838	2.50	2.74	M
2	3.062	3.065	-0.003	3252705	2.50	2.47	
						RPD = 10.25	
12 Heptachlor epoxide							M
1	4.642	4.645	-0.003	2577853	2.50	2.78	M
2	3.669	3.671	-0.002	3152389	2.50	2.53	
						RPD = 9.21	
9 trans-Chlordane							M
1	4.850	4.855	-0.005	2698705	2.50	2.82	M
2	3.802	3.805	-0.003	3194377	2.50	2.53	
						RPD = 11.03	
23 cis-Chlordane							M
1	5.004	5.006	-0.002	2499013	2.50	2.74	M
2	3.946	3.949	-0.003	3127461	2.50	2.58	
						RPD = 5.91	
7 Endosulfan I							M
1	5.067	5.066	0.001	2199699	2.50	2.54	M
2	4.098	4.101	-0.003	2873964	2.50	2.50	
						RPD = 1.33	
25 4,4'-DDE							M
1	5.154	5.157	-0.003	2582678	2.50	2.73	M
2	4.026	4.028	-0.002	2745395	2.50	2.39	
						RPD = 13.35	
30 Dieldrin							M
1	5.317	5.318	-0.001	2751454	2.50	2.67	M
2	4.359	4.363	-0.004	3049336	2.50	2.43	
						RPD = 9.35	
20 Endrin							M
1	5.608	5.611	-0.003	2655175	2.50	2.76	M
2	4.637	4.640	-0.003	2945787	2.50	2.50	
						RPD = 10.17	
16 4,4'-DDD							M
1	5.724	5.728	-0.004	2328117	2.50	2.78	M
2	4.714	4.717	-0.003	2247348	2.50	2.29	
						RPD = 19.34	
11 Endosulfan II							M
1	5.837	5.841	-0.004	2299630	2.50	2.63	M
2	4.874	4.877	-0.003	2989904	2.50	2.62	
						RPD = 0.33	
21 4,4'-DDT							M
1	6.115	6.116	-0.001	2858712	2.50	3.06	M
2	4.998	5.001	-0.003	2771227	2.50	2.39	M
						RPD = 24.73	
5 Endrin aldehyde							M
1	6.264	6.276	-0.012	1824380	2.50	2.55	M
2	5.263	5.266	-0.003	2773022	2.50	2.66	M
						RPD = 4.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.697	6.701	-0.004	2223932	2.50	2.58	
2	5.670	5.672	-0.002	3291520	2.50	2.55	
						RPD = 1.23	
10 Methoxychlor							M
1	7.243	7.241	0.002	1091900	2.50	2.23	M
2	5.454	5.457	-0.003	1841286	2.50	2.61	
						RPD = 15.94	
34 Mirex							M
1	7.390	7.394	-0.004	1869222	2.50	2.61	M
2	5.539	5.542	-0.003	2538824	2.50	2.49	
						RPD = 4.77	
13 Endrin ketone							M
1	7.454	7.460	-0.006	2638895	2.50	2.66	M
2	5.969	5.971	-0.002	3764660	2.50	2.61	
						RPD = 1.89	
$ 24 DCB Decachlorobiphenyl							
1	8.484	8.484	0.000	4928555	6.25	6.11	
2	7.482	7.483	-0.001	7825904	6.25	5.54	
						RPD = 9.89	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

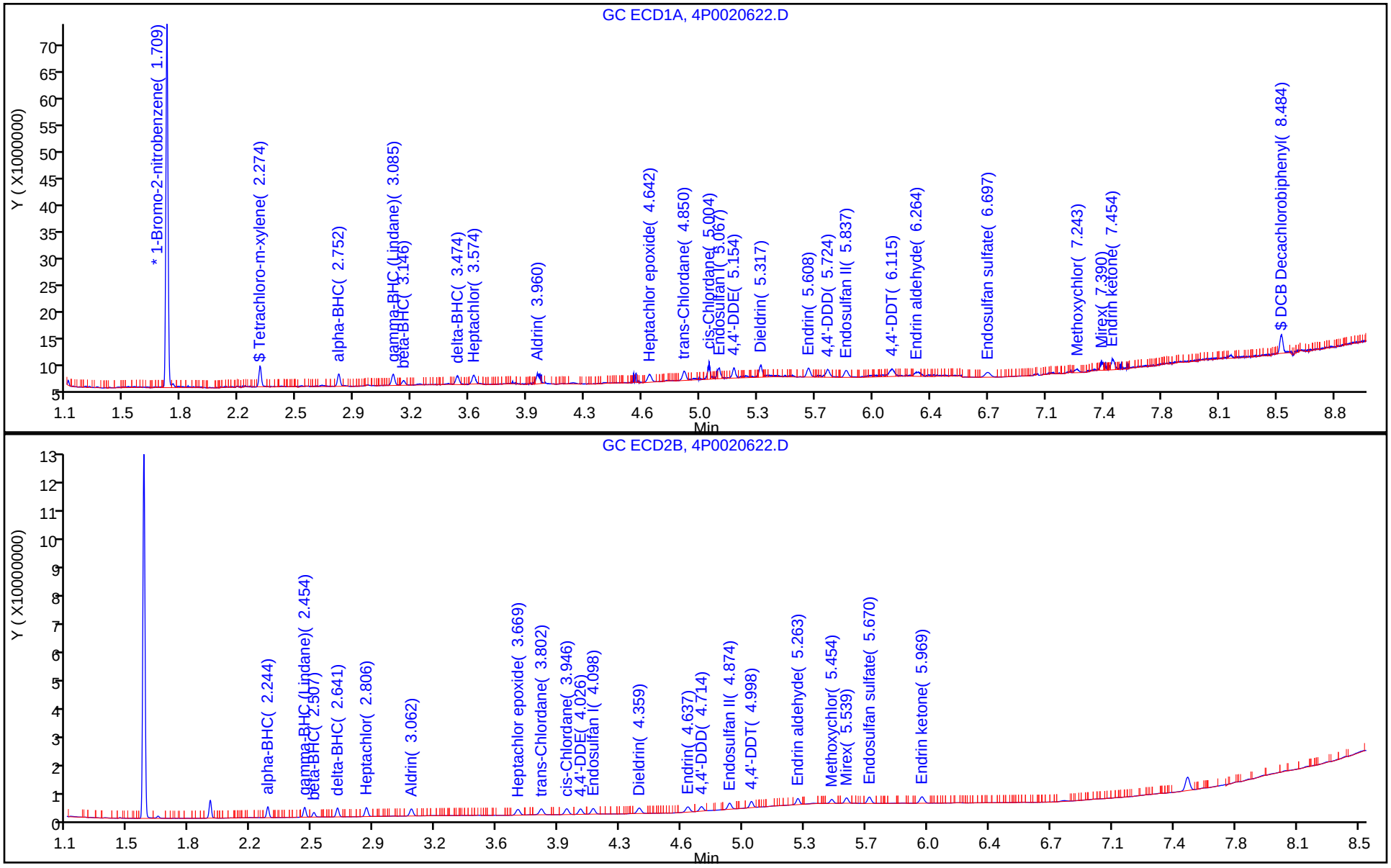
SGPESTL1_00022	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D

Injection Date:	26-Aug-2019 13:40:07	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	STD PESTL1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

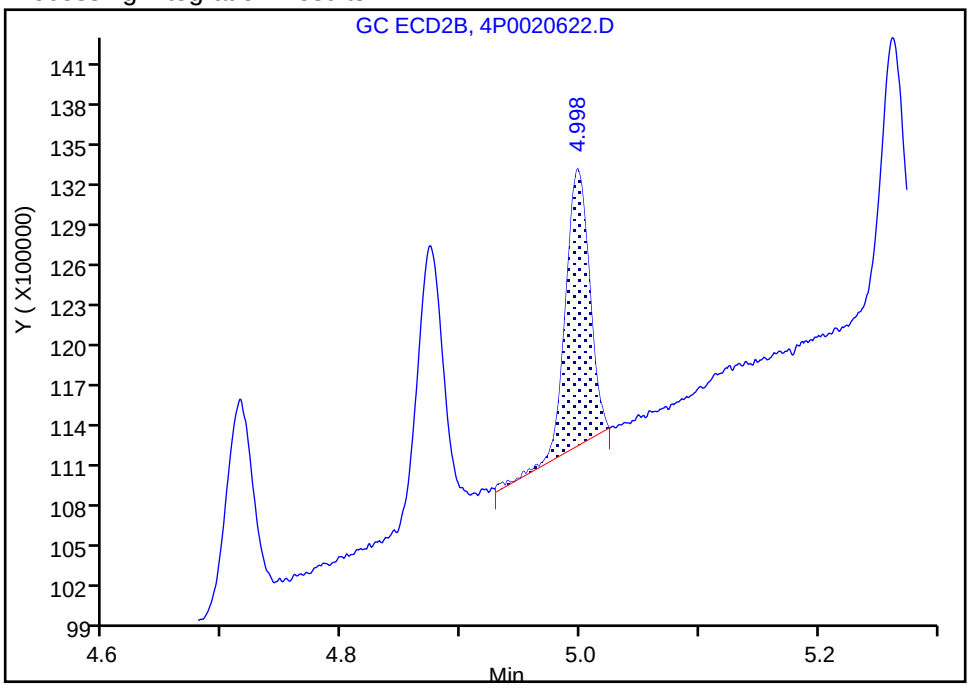
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

21 4,4'-DDT, CAS: 50-29-3

Signal: 2

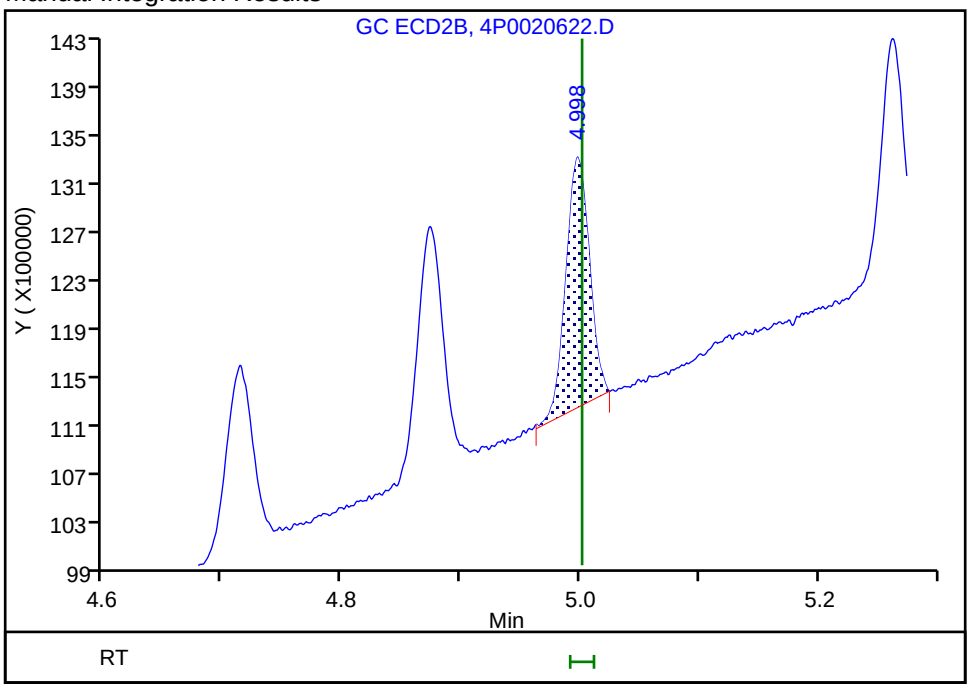
Processing Integration Results

RT: 5.00
Area: 2816236
Amount: 2.418466
Amount Units: ug/l



Manual Integration Results

RT: 5.00
Area: 2771227
Amount: 2.387195
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:55:28
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

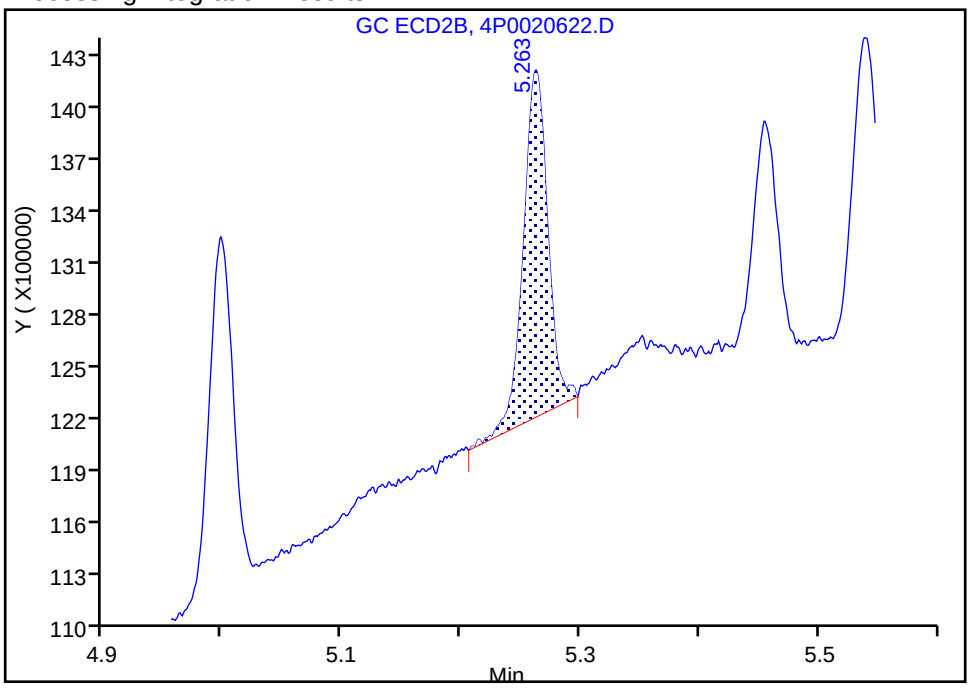
Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020622.D
Injection Date: 26-Aug-2019 13:40:07 Instrument ID: CPESTGC4
Lims ID: STD PESTL1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4

Signal: 2

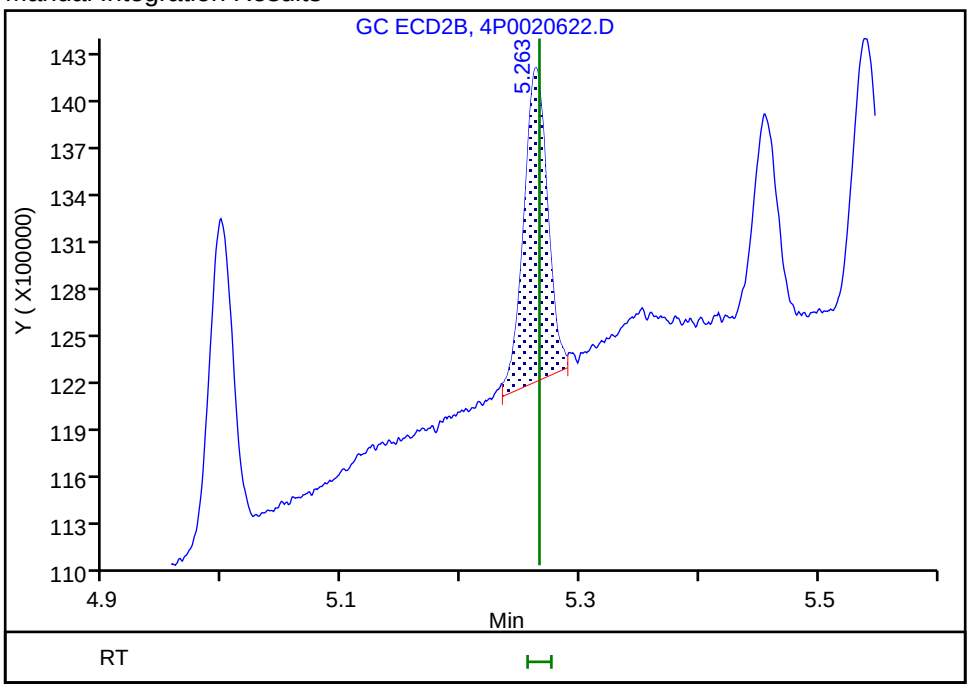
Processing Integration Results

RT: 5.26
Area: 2849257
Amount: 2.718452
Amount Units: ug/l



Manual Integration Results

RT: 5.26
Area: 2773022
Amount: 2.661202
Amount Units: ug/l



Reviewer: patelji, 28-Aug-2019 08:55:32
Audit Action: Split an Integrated Peak Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020623.D
Lims ID: STD PESTL2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Aug-2019 13:55:37 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:47 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.710	1.713	-0.003	59386494	100.0	100.0	
2	1.540	1.543	-0.003	100927120	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.276	2.275	0.001	34057854	50.0	50.5	
2	1.918	1.918	0.000	51890898	50.0	50.8	
						RPD = 0.63	
15 alpha-BHC							
1	2.755	2.755	0.000	53761624	50.0	51.9	
2	2.246	2.246	0.000	77586473	50.0	51.5	
						RPD = 0.74	
2 gamma-BHC (Lindane)							
1	3.086	3.085	0.001	49952847	50.0	51.2	
2	2.456	2.456	0.000	73060990	50.0	52.3	
						RPD = 2.12	
6 beta-BHC							
1	3.148	3.147	0.001	22335217	50.0	53.5	
2	2.508	2.508	0.000	31868812	50.0	51.7	
						RPD = 3.25	
32 delta-BHC							
1	3.476	3.476	0.000	49062635	50.0	52.6	
2	2.643	2.643	0.000	70705817	50.0	51.7	
						RPD = 1.76	
18 Heptachlor							
1	3.576	3.576	0.000	53889782	50.0	53.9	
2	2.808	2.808	0.000	73886583	50.0	52.2	
						RPD = 3.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.964	3.964	0.000	48609686	50.0	51.1	
2	3.064	3.065	-0.001	65436563	50.0	51.0	
						RPD = 0.22	
12 Heptachlor epoxide							
1	4.644	4.645	-0.001	45218617	50.0	51.5	
2	3.671	3.671	0.000	62235161	50.0	51.3	
						RPD = 0.39	
9 trans-Chlordane							
1	4.855	4.855	0.000	45939692	50.0	50.8	
2	3.804	3.805	-0.001	62348790	50.0	50.6	
						RPD = 0.36	
23 cis-Chlordane							
1	5.005	5.006	-0.001	44670276	50.0	51.7	
2	3.948	3.949	-0.001	59900025	50.0	50.7	
						RPD = 2.01	
7 Endosulfan I							
1	5.065	5.066	-0.001	43285491	50.0	52.8	
2	4.099	4.101	-0.002	55810120	50.0	49.9	
						RPD = 5.65	
25 4,4'-DDE							
1	5.156	5.157	-0.001	45494669	50.0	50.8	
2	4.027	4.028	-0.001	55447987	50.0	49.4	
						RPD = 2.69	
30 Dieldrin							
1	5.317	5.318	-0.001	50781009	50.0	52.0	
2	4.361	4.363	-0.002	61810196	50.0	50.5	
						RPD = 2.98	
20 Endrin							
1	5.609	5.611	-0.002	46322485	50.0	50.9	
2	4.638	4.640	-0.002	56724987	50.0	49.3	
						RPD = 3.31	
16 4,4'-DDD							
1	5.727	5.728	-0.001	40705264	50.0	51.4	
2	4.716	4.717	-0.001	47035956	50.0	49.2	
						RPD = 4.41	
11 Endosulfan II							
1	5.839	5.841	-0.002	43074547	50.0	52.0	
2	4.876	4.877	-0.001	54462924	50.0	48.9	
						RPD = 6.11	
21 4,4'-DDT							
1	6.116	6.116	0.000	44175190	50.0	50.0	
2	5.000	5.001	-0.001	55382128	50.0	48.9	
						RPD = 2.13	
5 Endrin aldehyde							
1	6.273	6.276	-0.003	35772843	50.0	52.9	
2	5.264	5.266	-0.002	48421041	50.0	47.6	
						RPD = 10.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.699	6.701	-0.002	43295704	50.0	53.0	
2	5.671	5.672	-0.001	61519102	50.0	48.8	
						RPD = 8.30	
10 Methoxychlor							
1	7.237	7.241	-0.004	25838824	50.0	55.6	
2	5.456	5.457	-0.001	33638932	50.0	48.9	
						RPD = 12.88	
34 Mirex							
1	7.392	7.394	-0.002	33936540	50.0	50.2	
2	5.541	5.542	-0.001	47391167	50.0	47.7	
						RPD = 4.99	
13 Endrin ketone							
1	7.460	7.460	0.000	49064239	50.0	52.2	
2	5.970	5.971	-0.001	70675804	50.0	50.2	
						RPD = 3.92	
$ 24 DCB Decachlorobiphenyl							
1	8.483	8.484	-0.001	38391446	50.0	50.3	
2	7.482	7.483	-0.001	68644491	50.0	49.8	
						RPD = 1.02	

Reagents:

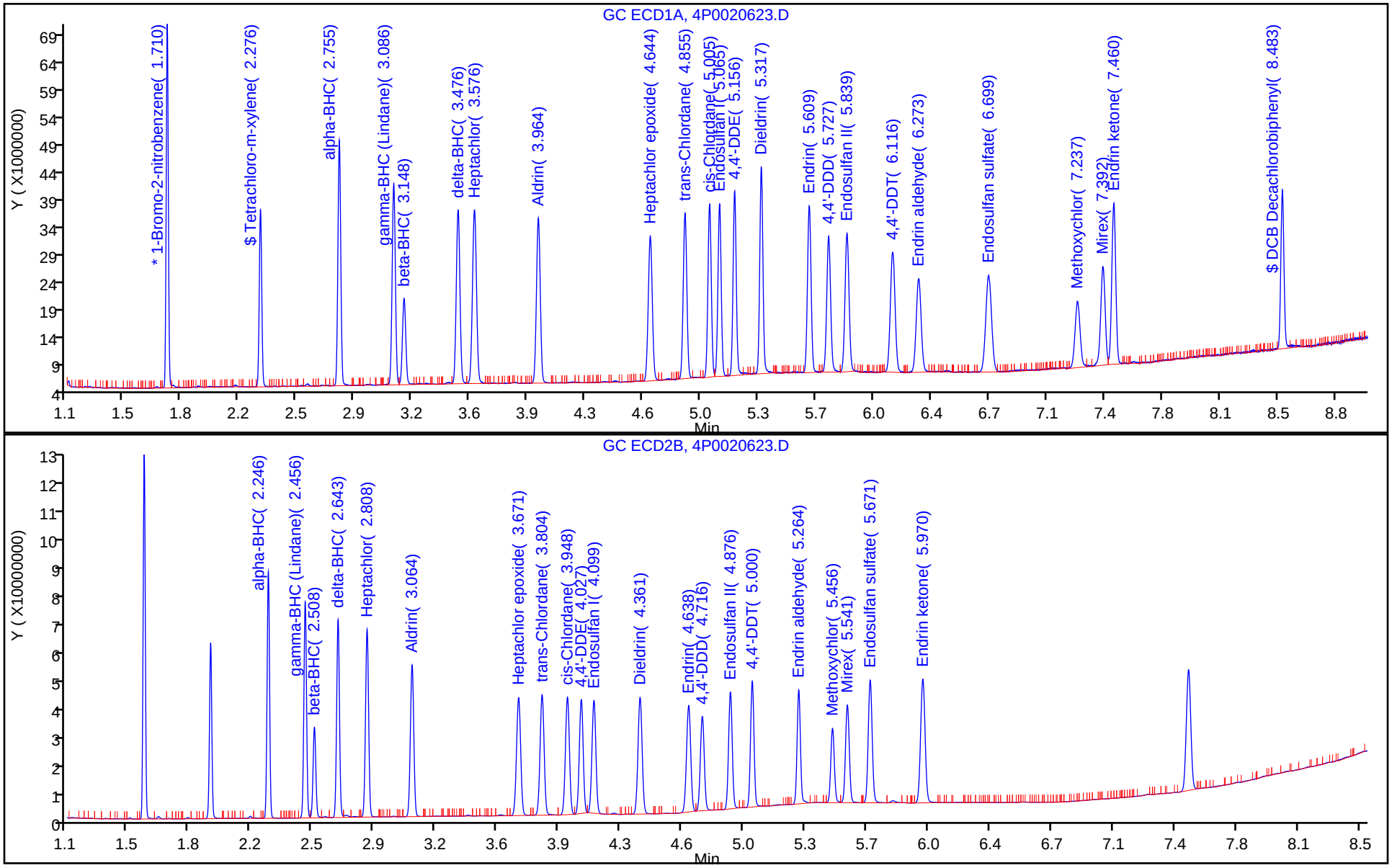
SGPESTL2_00032	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:48 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020623.D

Injection Date:	26-Aug-2019 13:55:37	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	STD PESTL2			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020624.D
Lims ID: STD PESTL3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 26-Aug-2019 14:11:00 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:50 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 15:17:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.709	1.709	0.000	63884093	100.0	100.0	
2	1.540	1.540	0.000	107854225	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.275	2.275	0.000	68344013	100.0	94.2	
2	1.918	1.918	0.000	105995855	100.0	97.2	
						RPD = 3.06	
15 alpha-BHC							
1	2.755	2.755	0.000	107630118	100.0	96.5	
2	2.246	2.246	0.000	159951240	100.0	99.3	
						RPD = 2.85	
2 gamma-BHC (Lindane)							
1	3.085	3.085	0.000	96999856	100.0	92.4	
2	2.456	2.456	0.000	144207664	100.0	96.6	
						RPD = 4.41	
6 beta-BHC							
1	3.147	3.147	0.000	43480466	100.0	96.7	
2	2.508	2.508	0.000	63615883	100.0	96.7	
						RPD = 0.08	
32 delta-BHC							
1	3.476	3.476	0.000	97435751	100.0	97.1	
2	2.643	2.643	0.000	143134394	100.0	97.9	
						RPD = 0.81	
18 Heptachlor							
1	3.576	3.576	0.000	104684791	100.0	97.3	
2	2.808	2.808	0.000	143378804	100.0	94.8	
						RPD = 2.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.964	3.964	0.000	97394198	100.0	95.2	
2	3.065	3.065	0.000	131007821	100.0	95.6	
						RPD = 0.36	
12 Heptachlor epoxide							
1	4.645	4.645	0.000	88297264	100.0	93.5	
2	3.671	3.671	0.000	121330590	100.0	93.6	
						RPD = 0.11	
9 trans-Chlordane							
1	4.855	4.855	0.000	90299168	100.0	92.8	
2	3.805	3.805	0.000	122244664	100.0	92.8	
						RPD = 0.05	
23 cis-Chlordane							
1	5.006	5.006	0.000	86988610	100.0	93.6	
2	3.949	3.949	0.000	117675528	100.0	93.2	
						RPD = 0.47	
7 Endosulfan I							
1	5.066	5.066	0.000	85873367	100.0	97.3	
2	4.101	4.101	0.000	115066206	100.0	96.2	
						RPD = 1.14	
25 4,4'-DDE							
1	5.157	5.157	0.000	90789288	100.0	94.2	
2	4.028	4.028	0.000	114365717	100.0	95.4	
						RPD = 1.27	
30 Dieldrin							
1	5.318	5.318	0.000	98142002	100.0	93.5	
2	4.363	4.363	0.000	120143659	100.0	91.9	
						RPD = 1.74	
20 Endrin							
1	5.611	5.611	0.000	94354482	100.0	96.4	
2	4.640	4.640	0.000	117196640	100.0	95.3	
						RPD = 1.23	
16 4,4'-DDD							
1	5.728	5.728	0.000	79257833	100.0	93.1	
2	4.717	4.717	0.000	95205822	100.0	93.2	
						RPD = 0.13	
11 Endosulfan II							
1	5.841	5.841	0.000	86152688	100.0	96.7	
2	4.877	4.877	0.000	112466858	100.0	94.5	
						RPD = 2.26	
21 4,4'-DDT							
1	6.116	6.116	0.000	84136175	100.0	88.5	
2	5.001	5.001	0.000	112473297	100.0	93.0	
						RPD = 4.94	
5 Endrin aldehyde							
1	6.276	6.276	0.000	69081892	100.0	94.9	
2	5.266	5.266	0.000	103644435	100.0	95.4	
						RPD = 0.51	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.701	6.701	0.000	85393966	100.0	97.2	
2	5.672	5.672	0.000	131847903	100.0	97.9	
						RPD = 0.66	
10 Methoxychlor							
1	7.241	7.241	0.000	50209636	100.0	100.5	
2	5.457	5.457	0.000	72148632	100.0	98.1	
						RPD = 2.36	
34 Mirex							
1	7.394	7.394	0.000	69973743	100.0	96.1	
2	5.542	5.542	0.000	103097593	100.0	97.1	
						RPD = 1.04	
13 Endrin ketone							
1	7.460	7.460	0.000	95529731	100.0	94.5	
2	5.971	5.971	0.000	139581444	100.0	92.8	
						RPD = 1.83	
$ 24 DCB Decachlorobiphenyl							
1	8.484	8.484	0.000	72558983	100.0	88.4	
2	7.483	7.483	0.000	132236448	100.0	89.8	
						RPD = 1.55	

Reagents:

SGPESTL3_00033	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:52 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020624.D

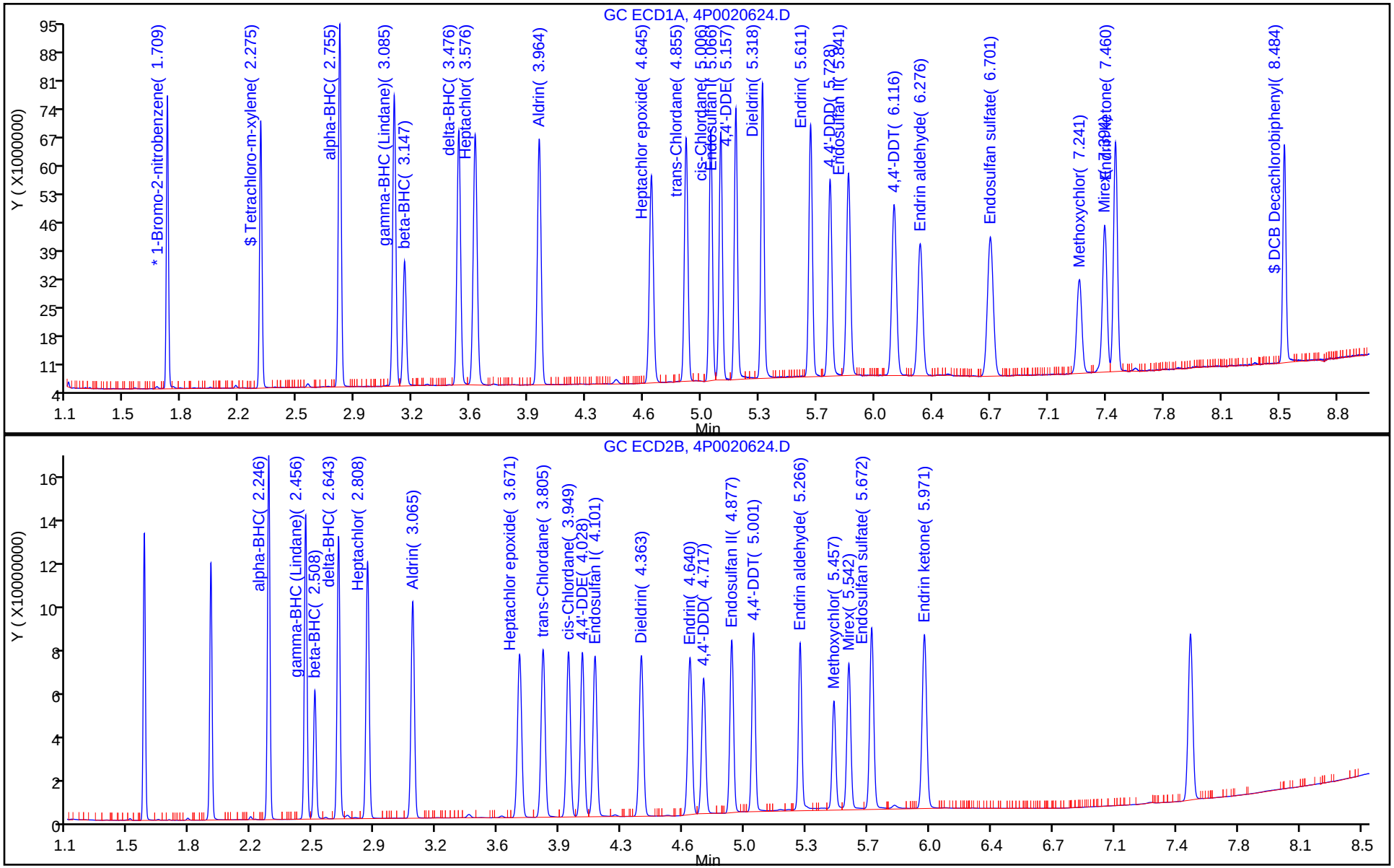
Injection Date: 26-Aug-2019 14:11:00 Instrument ID: CPESTGC4 Operator ID:

Lims ID: STD PESTL3 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020625.D
Lims ID: STD PESTL4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Aug-2019 14:26:52 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:56 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.709	0.003	55946649	100.0	100.0	
2	1.542	1.540	0.002	92746575	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.279	2.275	0.004	97794878	150.0	154.0	
2	1.921	1.918	0.003	149862511	150.0	159.8	
						RPD = 3.69	
15 alpha-BHC							
1	2.758	2.755	0.003	230679382	250.0	236.2	
2	2.250	2.246	0.004	340410717	250.0	245.7	
						RPD = 3.97	
2 gamma-BHC (Lindane)							
1	3.089	3.085	0.004	210564206	250.0	229.0	
2	2.459	2.456	0.003	312223484	250.0	243.1	
						RPD = 5.97	
6 beta-BHC							
1	3.152	3.147	0.005	88261957	250.0	224.2	
2	2.512	2.508	0.004	131294513	250.0	232.0	
						RPD = 3.40	
32 delta-BHC							
1	3.481	3.476	0.005	211965669	250.0	241.1	
2	2.647	2.643	0.004	306462282	250.0	243.7	
						RPD = 1.05	
18 Heptachlor							
1	3.580	3.576	0.004	228074457	250.0	242.1	
2	2.812	2.808	0.004	310990041	250.0	239.0	
						RPD = 1.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.968	3.964	0.004	206739256	250.0	230.8	
2	3.068	3.065	0.003	283498596	250.0	240.5	
						RPD = 4.11	
12 Heptachlor epoxide							
1	4.648	4.645	0.003	192385695	250.0	232.6	
2	3.674	3.671	0.003	272741259	250.0	244.7	
						RPD = 5.05	
9 trans-Chlordane							
1	4.858	4.855	0.003	197753507	250.0	231.9	
2	3.807	3.805	0.002	278864532	250.0	246.2	
						RPD = 5.95	
23 cis-Chlordane							
1	5.007	5.006	0.001	190692866	250.0	234.4	
2	3.952	3.949	0.003	264394904	250.0	243.5	
						RPD = 3.82	
7 Endosulfan I							
1	5.067	5.066	0.001	183763656	250.0	237.8	
2	4.102	4.101	0.001	254231529	250.0	247.2	
						RPD = 3.88	
25 4,4'-DDE							
1	5.159	5.157	0.002	197630393	250.0	234.1	
2	4.031	4.028	0.003	258745950	250.0	251.0	
						RPD = 6.95	
30 Dieldrin							
1	5.321	5.318	0.003	217393117	250.0	236.5	
2	4.365	4.363	0.002	285316780	250.0	253.8	
						RPD = 7.04	
20 Endrin							
1	5.612	5.611	0.001	198432671	250.0	231.6	
2	4.642	4.640	0.002	265703394	250.0	251.2	
						RPD = 8.11	
16 4,4'-DDD							
1	5.730	5.728	0.002	174145163	250.0	233.6	
2	4.719	4.717	0.002	230769906	250.0	262.8	
						RPD = 11.76	
11 Endosulfan II							
1	5.842	5.841	0.001	184776506	250.0	236.8	
2	4.878	4.877	0.001	255794729	250.0	250.0	
						RPD = 5.43	
21 4,4'-DDT							
1	6.118	6.116	0.002	189058645	250.0	227.0	
2	5.002	5.001	0.001	272696562	250.0	262.1	
						RPD = 14.35	
5 Endrin aldehyde							
1	6.276	6.276	0.000	151776777	250.0	238.2	
2	5.267	5.266	0.001	236877591	250.0	253.6	
						RPD = 6.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.702	6.701	0.001	181206221	250.0	235.6	
2	5.673	5.672	0.001	292643776	250.0	252.6	
						RPD = 6.98	
10 Methoxychlor							
1	7.241	7.241	0.000	106020353	250.0	242.3	
2	5.458	5.457	0.001	158518606	250.0	250.8	
						RPD = 3.43	
34 Mirex							
1	7.395	7.394	0.001	154572332	250.0	242.5	
2	5.543	5.542	0.001	238515198	250.0	261.3	
						RPD = 7.48	
13 Endrin ketone							
1	7.460	7.460	0.000	208115694	250.0	235.0	
2	5.972	5.971	0.001	324841965	250.0	251.0	
						RPD = 6.59	
$ 24 DCB Decachlorobiphenyl							
1	8.483	8.484	-0.001	112252913	150.0	156.2	
2	7.483	7.483	0.000	205997928	150.0	162.6	
						RPD = 4.06	

Reagents:

SGPESTL4_00030	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:23:57 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020625.D

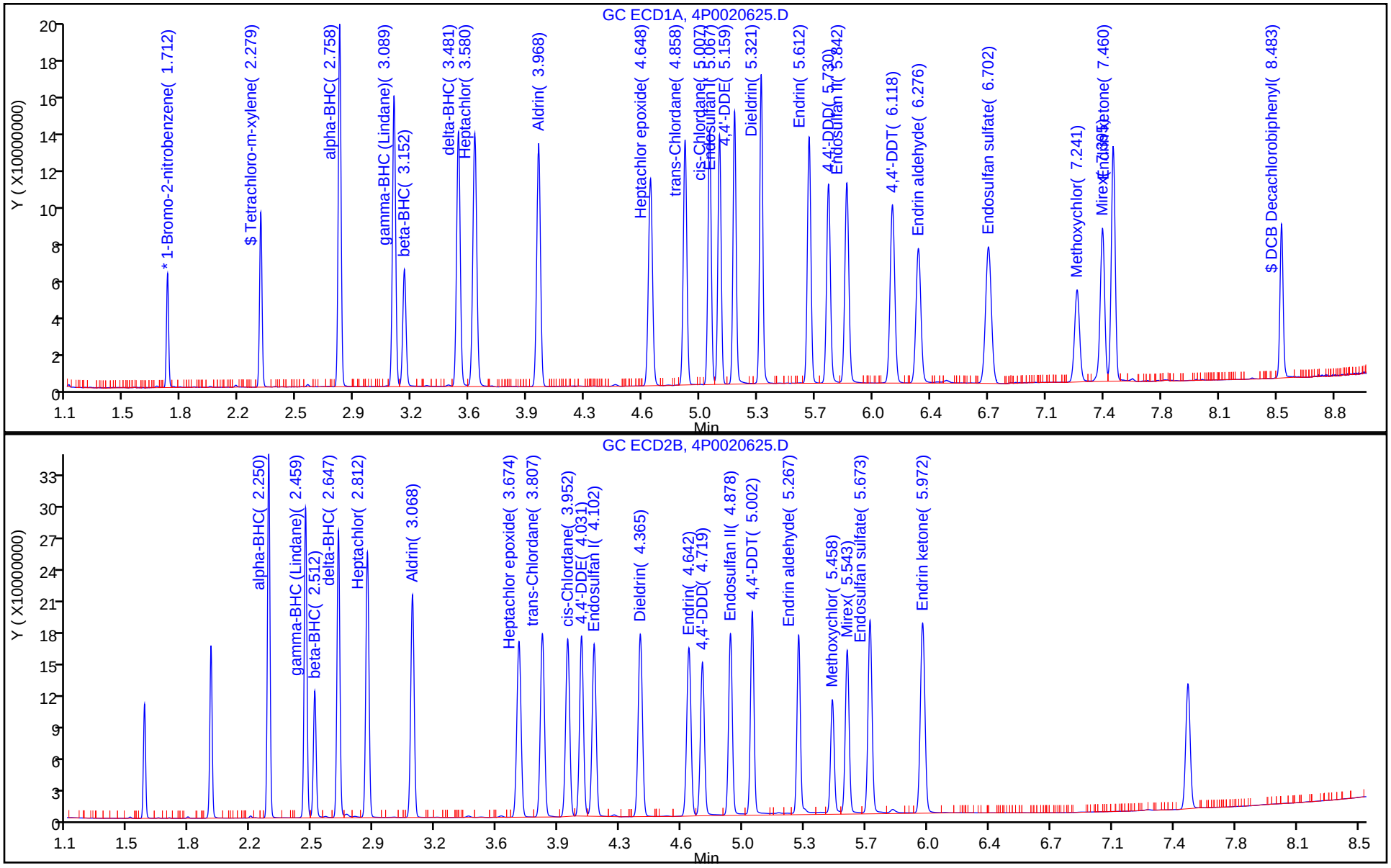
Injection Date: 26-Aug-2019 14:26:52 Instrument ID: CPESTGC4 Operator ID:

Lims ID: STD PESTL4 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020626.D
Lims ID: STD PESTL5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Aug-2019 14:42:16 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:23:59 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.709	0.003	53966369	100.0	100.0	
2	1.543	1.540	0.003	90456085	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.279	2.275	0.004	133384120	200.0	217.7	
2	1.921	1.918	0.003	205471077	200.0	224.6	
						RPD = 3.11	
15 alpha-BHC							
1	2.758	2.755	0.003	486090844	500.0	515.9	
2	2.250	2.246	0.004	728307219	500.0	539.0	
						RPD = 4.39	
2 gamma-BHC (Lindane)							
1	3.089	3.085	0.004	442719047	500.0	499.2	
2	2.460	2.456	0.004	671205888	500.0	535.9	
						RPD = 7.09	
6 beta-BHC							
1	3.151	3.147	0.004	179521346	500.0	472.8	
2	2.512	2.508	0.004	278417437	500.0	504.4	
						RPD = 6.47	
32 delta-BHC							
1	3.479	3.476	0.003	440780640	500.0	519.8	
2	2.646	2.643	0.003	663172576	500.0	540.6	
						RPD = 3.92	
18 Heptachlor							
1	3.580	3.576	0.004	470133535	500.0	517.3	
2	2.811	2.808	0.003	660992529	500.0	520.9	
						RPD = 0.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.968	3.964	0.004	434297408	500.0	502.7	
2	3.068	3.065	0.003	616347838	500.0	536.2	
						RPD = 6.44	
12 Heptachlor epoxide							
1	4.646	4.645	0.001	395896544	500.0	496.3	
2	3.674	3.671	0.003	568189014	500.0	522.6	
						RPD = 5.18	
9 trans-Chlordane							
1	4.856	4.855	0.001	411385967	500.0	500.2	
2	3.808	3.805	0.003	588145287	500.0	532.4	
						RPD = 6.22	
23 cis-Chlordane							
1	5.006	5.006	0.000	391015848	500.0	498.2	
2	3.952	3.949	0.003	554752694	500.0	523.8	
						RPD = 5.02	
7 Endosulfan I							
1	5.066	5.066	0.000	374664951	500.0	502.6	
2	4.103	4.101	0.002	526578627	500.0	525.0	
						RPD = 4.35	
25 4,4'-DDE							
1	5.158	5.157	0.001	413028942	500.0	507.3	
2	4.030	4.028	0.002	552327255	500.0	549.3	
						RPD = 7.96	
30 Dieldrin							
1	5.320	5.318	0.002	447754424	500.0	505.0	
2	4.365	4.363	0.002	593743104	500.0	541.5	
						RPD = 6.97	
20 Endrin							
1	5.612	5.611	0.001	407142911	500.0	492.6	
2	4.641	4.640	0.001	546251149	500.0	529.4	
						RPD = 7.20	
16 4,4'-DDD							
1	5.729	5.728	0.001	356602522	500.0	495.9	
2	4.719	4.717	0.002	477352091	500.0	557.3	
						RPD = 11.67	
11 Endosulfan II							
1	5.841	5.841	0.000	374393074	500.0	497.4	
2	4.878	4.877	0.001	513212950	500.0	514.3	
						RPD = 3.35	
21 4,4'-DDT							
1	6.118	6.116	0.002	395122871	500.0	491.8	
2	5.002	5.001	0.001	552549591	500.0	544.5	
						RPD = 10.16	
5 Endrin aldehyde							
1	6.277	6.276	0.001	313095506	500.0	509.4	
2	5.266	5.266	0.000	461773242	500.0	506.9	
						RPD = 0.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.701	6.701	0.000	368750193	500.0	497.0	
2	5.672	5.672	0.000	574258208	500.0	508.2	
						RPD = 2.24	
10 Methoxychlor							
1	7.240	7.241	-0.001	215888379	500.0	511.5	
2	5.458	5.457	0.001	306153506	500.0	496.6	
						RPD = 2.96	
34 Mirex							
1	7.395	7.394	0.001	313504111	500.0	509.9	
2	5.543	5.542	0.001	459261127	500.0	515.9	
						RPD = 1.18	
13 Endrin ketone							
1	7.460	7.460	0.000	430542770	500.0	504.1	
2	5.972	5.971	0.001	644409192	500.0	510.6	
						RPD = 1.29	
$ 24 DCB Decachlorobiphenyl							
1	8.483	8.484	-0.001	151221324	200.0	218.1	
2	7.483	7.483	0.000	280633564	200.0	227.2	
						RPD = 4.08	

Reagents:

SGPESTL5_00030	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:24:00 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020626.D

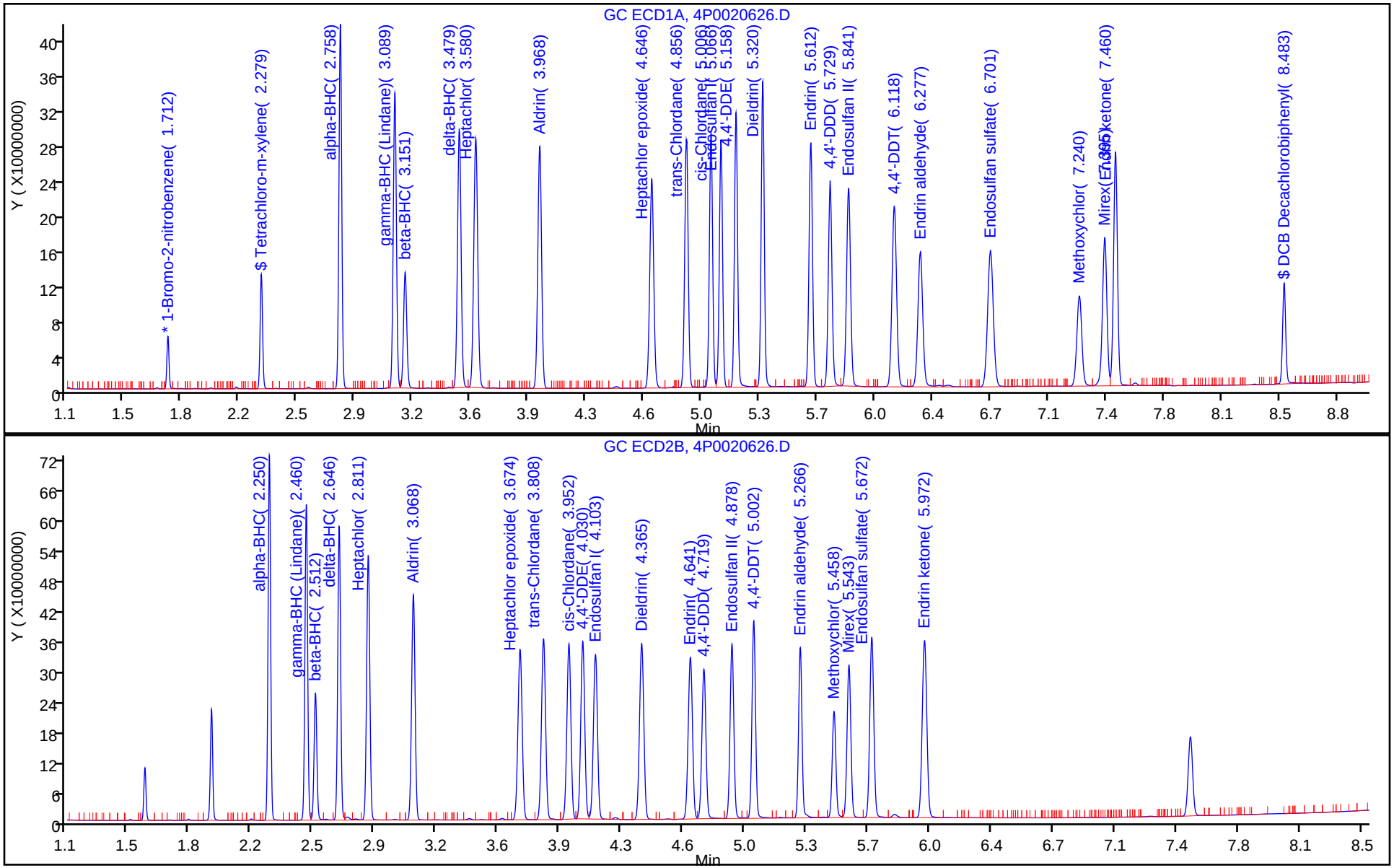
Injection Date: 26-Aug-2019 14:42:16 Instrument ID: CPESTGC4 Operator ID:

Lims ID: STD PESTL5 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 15:29 Calibration End Date: 08/26/2019 16:31 Calibration ID: 76336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/10	4P0020629.D
Level 2	IC 460-635023/11	4P0020630.D
Level 3	IC 460-635023/12	4P0020631.D
Level 4	IC 460-635023/13	4P0020632.D
Level 5	IC 460-635023/14	4P0020633.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								
Chlordane (n.o.s.)						None											
Chlordane (n.o.s.) Peak 1	0.0550	0.0528	0.0482	0.0538	0.0483	Ave		0.0516				6.1		20.0			
Chlordane (technical) Peak 1	0.0550	0.0528	0.0482	0.0538	0.0483	Ave		0.0516				6.1		20.0			
Chlordane (n.o.s.) Peak 2	0.0567	0.0553	0.0497	0.0575	0.0525	Ave		0.0544				5.9		20.0			
Chlordane (technical) Peak 2	0.0567	0.0553	0.0497	0.0575	0.0525	Ave		0.0544				5.9		20.0			
Chlordane (n.o.s.) Peak 3	0.2302	0.1866	0.1716	0.2030	0.1895	Ave		0.1962				11.2		20.0			
Chlordane (technical) Peak 3	0.2302	0.1866	0.1716	0.2030	0.1895	Ave		0.1962				11.2		20.0			
Chlordane (n.o.s.) Peak 4	0.2181	0.2104	0.1934	0.2290	0.2135	Ave		0.2129				6.1		20.0			
Chlordane (technical) Peak 4	0.2181	0.2104	0.1934	0.2290	0.2135	Ave		0.2129				6.1		20.0			
Chlordane (n.o.s.) Peak 5	0.1547	0.1449	0.1351	0.1599	0.1466	Ave		0.1483				6.4		20.0			
Chlordane (technical) Peak 5	0.1547	0.1449	0.1351	0.1599	0.1466	Ave		0.1483				6.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 15:29 Calibration End Date: 08/26/2019 16:31 Calibration ID: 76336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/10	4P0020629.D
Level 2	IC 460-635023/11	4P0020630.D
Level 3	IC 460-635023/12	4P0020631.D
Level 4	IC 460-635023/13	4P0020632.D
Level 5	IC 460-635023/14	4P0020633.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (n.o.s.)	BNB	None						50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 1	BNB	Ave	1708745	15820922	25260807	44276115	65808052	50.0	500	1000	1500	2500
Chlordane (technical) Peak 1	BNB	Ave	1708745	15820922	25260807	44276115	65808052	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 2	BNB	Ave	1759517	16587456	26047689	47394086	71578252	50.0	500	1000	1500	2500
Chlordane (technical) Peak 2	BNB	Ave	1759517	16587456	26047689	47394086	71578252	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 3	BNB	Ave	7146016	55961150	89888194	167200616	258216129	50.0	500	1000	1500	2500
Chlordane (technical) Peak 3	BNB	Ave	7146016	55961150	89888194	167200616	258216129	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 4	BNB	Ave	6770793	63094340	101306491	188630031	290936909	50.0	500	1000	1500	2500
Chlordane (technical) Peak 4	BNB	Ave	6770793	63094340	101306491	188630031	290936909	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 5	BNB	Ave	4803379	43462873	70803666	131703189	199862740	50.0	500	1000	1500	2500
Chlordane (technical) Peak 5	BNB	Ave	4803379	43462873	70803666	131703189	199862740	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average ISTD
None = No Calib Curve

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D
Lims ID: IC CHLOL1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Aug-2019 15:29:05 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-010
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:10 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	62090814	100.0	100.0	
2	1.542	1.541	0.001	100732636	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.410	3.408	0.002	1708745	50.0	53.3	M
1	4.119	4.118	0.001	1759517	50.0	52.1	M
1	4.857	4.858	-0.001	7146016	50.0	58.7	M
1	4.952	4.952	0.000	6770793	50.0	51.2	M
1	5.007	5.007	0.000	4803379	50.0	52.2	M
		Average of Peak Amounts =				53.5	
2	2.748	2.747	0.001	1969002	50.0	46.7	M
2	3.185	3.183	0.002	2533271	50.0	49.3	M
2	3.599	3.598	0.001	1519308	50.0	46.8	M
2	3.807	3.806	0.001	8357500	50.0	47.5	M
2	3.934	3.933	0.001	13918008	50.0	46.7	M
		Average of Peak Amounts =				47.4	
						RPD = 12.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.410	3.408	0.002	1708745	50.0	53.3	M
1	4.119	4.118	0.001	1759517	50.0	52.1	M
1	4.857	4.858	-0.001	7146016	50.0	58.7	M
1	4.952	4.952	0.000	6770793	50.0	51.2	M
1	5.007	5.007	0.000	4803379	50.0	52.2	M
		Average of Peak Amounts =				53.5	
2	2.748	2.747	0.001	1969002	50.0	46.7	M
2	3.185	3.183	0.002	2533271	50.0	49.3	M
2	3.599	3.598	0.001	1519308	50.0	46.8	M
2	3.807	3.806	0.001	8357500	50.0	47.5	M
2	3.934	3.933	0.001	13918008	50.0	46.7	M
		Average of Peak Amounts =				47.4	
						RPD = 12.07	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

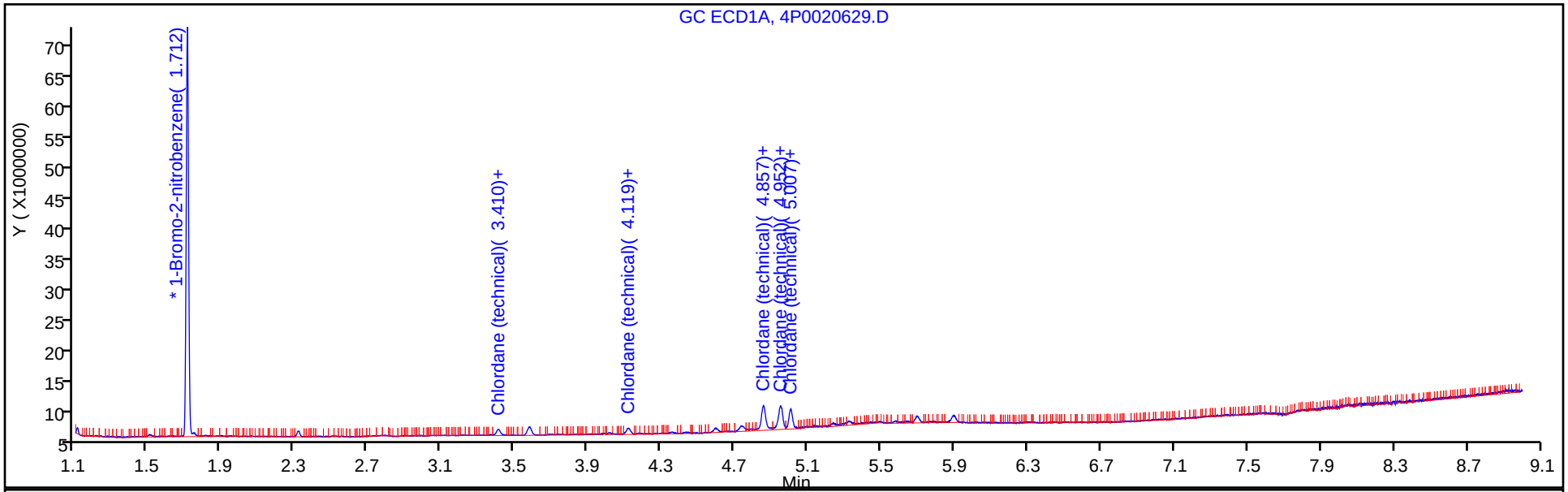
SGCHLORDANEL1_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

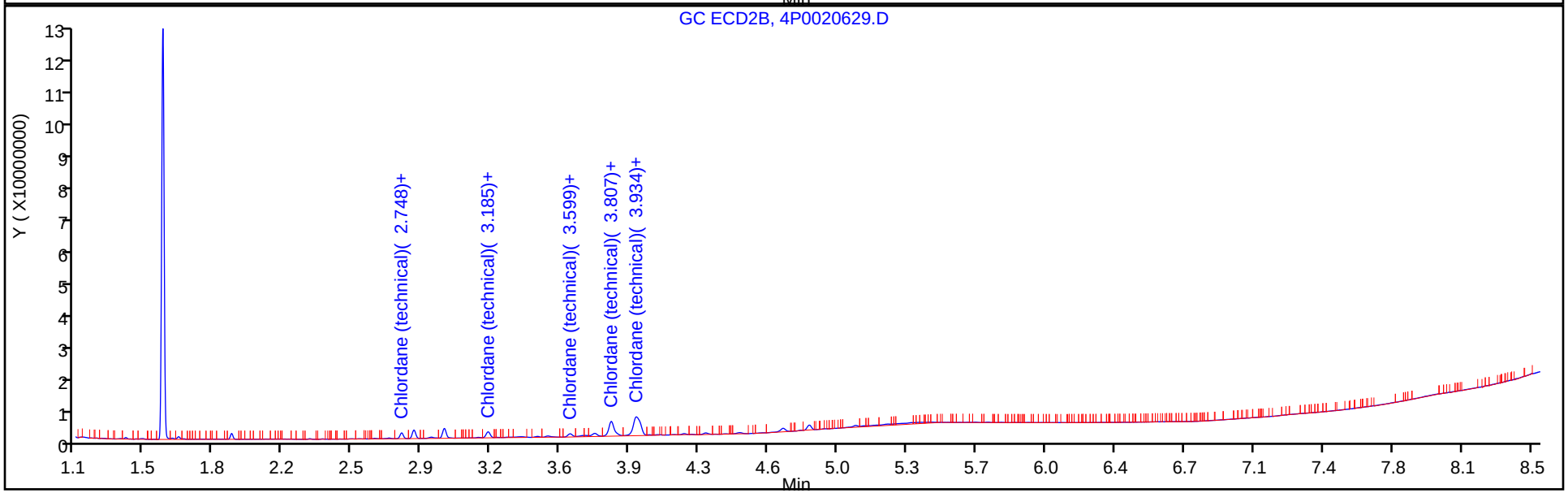
Report Date: 28-Aug-2019 09:24:11 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D

Injection Date:	26-Aug-2019 15:29:05	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL1			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





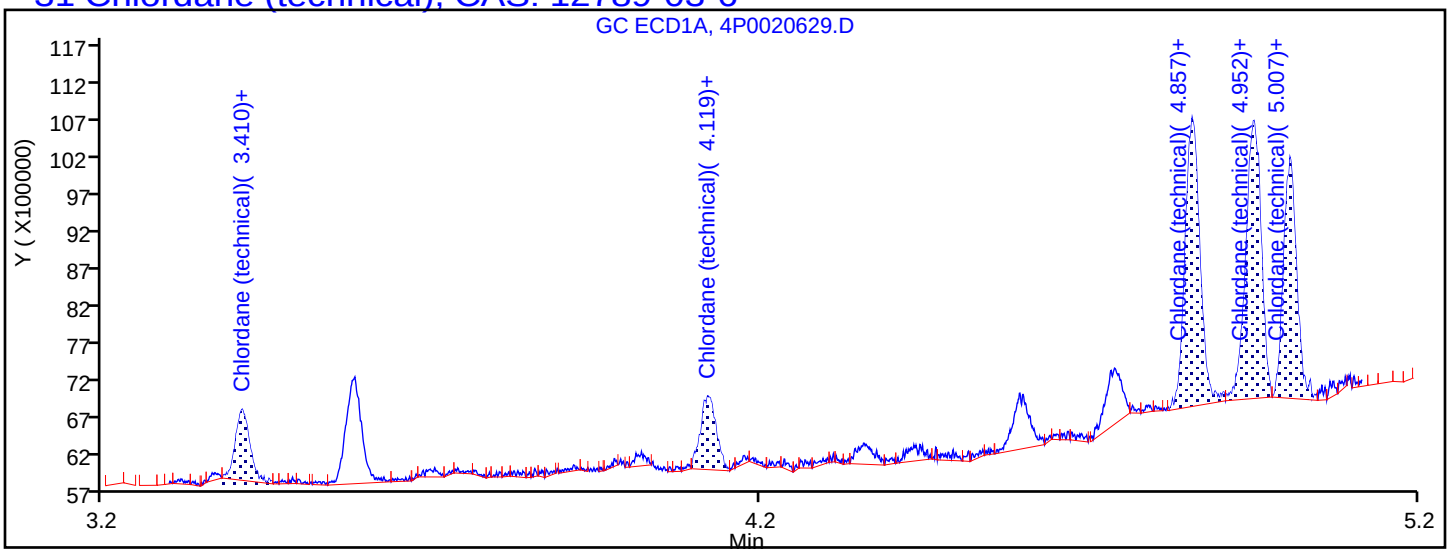
Report Date: 28-Aug-2019 09:24:11 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D

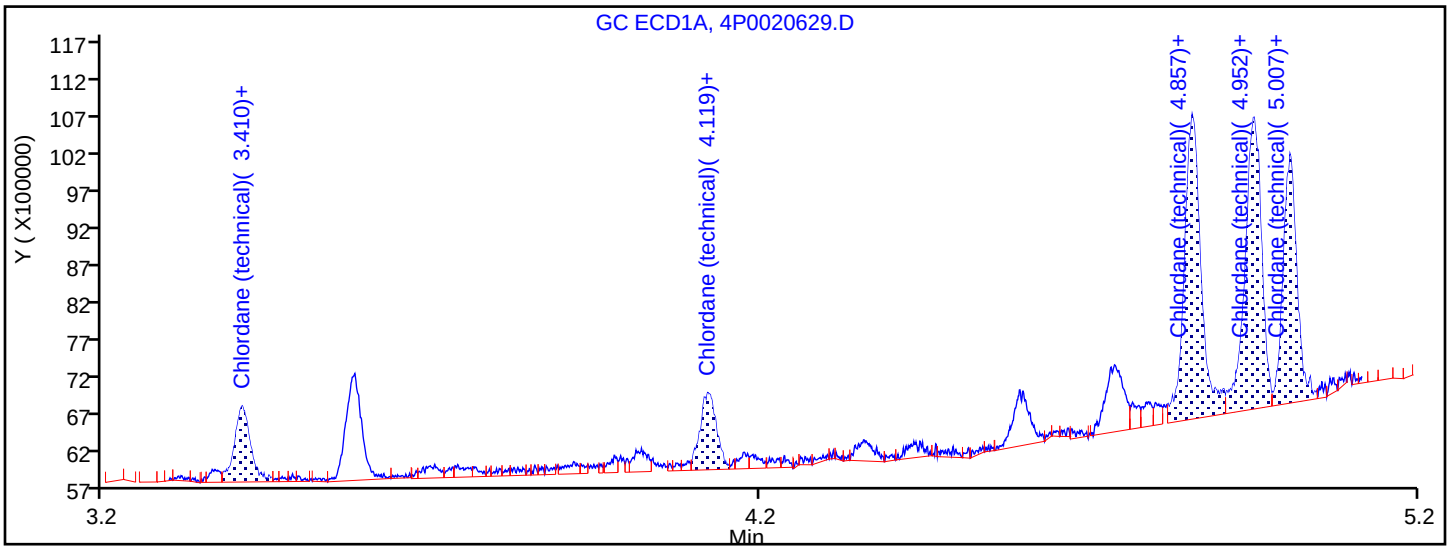
Injection Date:	26-Aug-2019 15:29:05	Instrument ID:	CPESTGC4		
Lims ID:	IC CHLOL1				
Client ID:					
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

3.410	Response = 1441507
4.119	Response = 1607953
4.857	Response = 6017673
4.952	Response = 5963214
5.007	Response = 4417728



Manual Integration Results

3.410	Response = 1708745	M
4.119	Response = 1759517	M
4.857	Response = 7146016	M
4.952	Response = 6770793	M
5.007	Response = 4803379	M

Reviewer: patelji, 28-Aug-2019 08:58:28

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 28-Aug-2019 09:24:11 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D

Injection Date: 26-Aug-2019 15:29:05 Instrument ID: CPESTGC4

Lims ID: IC CHLOL1

Client ID:

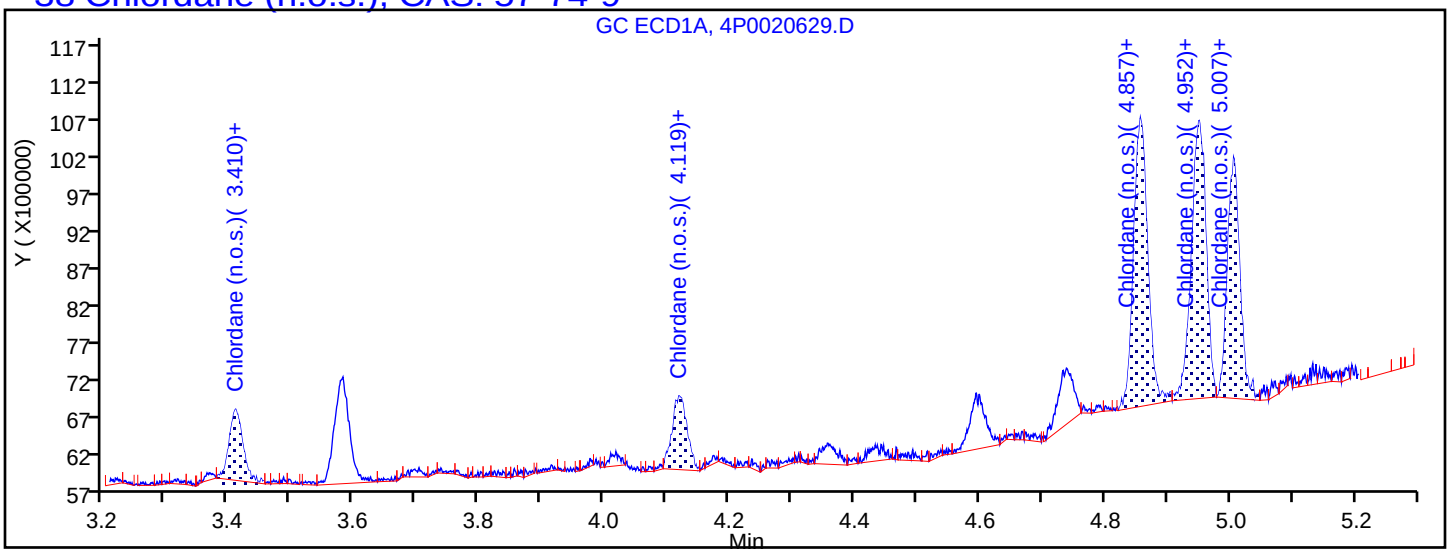
Operator ID: ALS Bottle#: 11 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

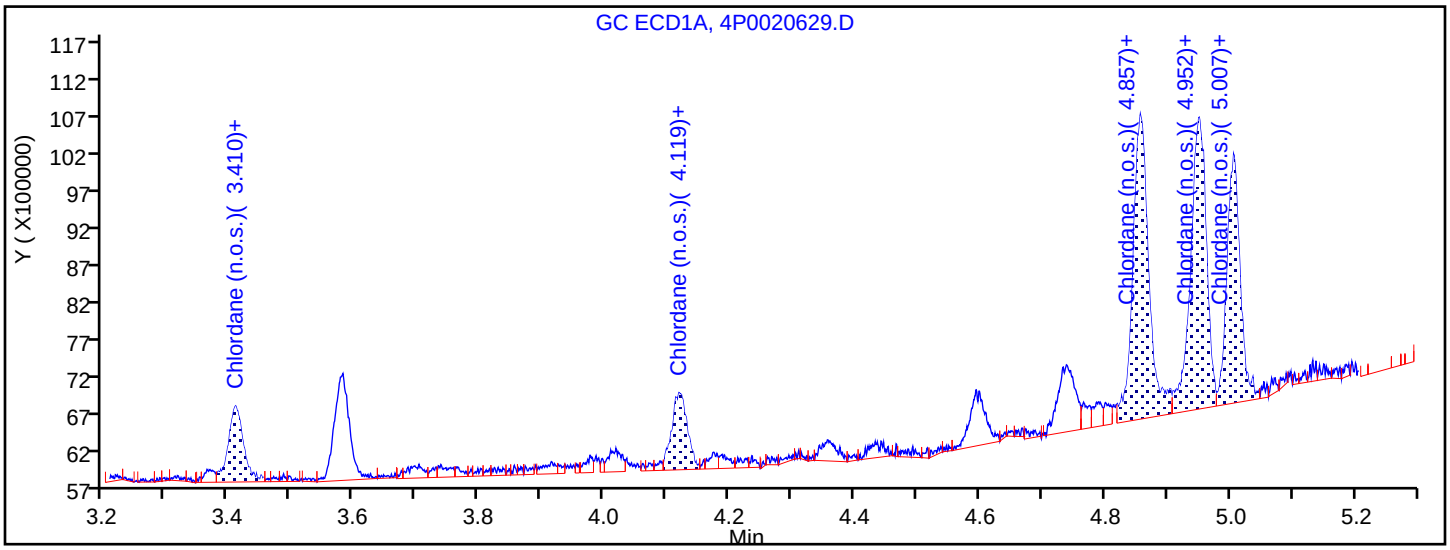
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

3.410	Response = 1441507
4.119	Response = 1607953
4.857	Response = 6017673
4.952	Response = 5963214
5.007	Response = 4417728



Manual Integration Results

3.410	Response = 1708745	M
4.119	Response = 1759517	M
4.857	Response = 7146016	M
4.952	Response = 6770793	M
5.007	Response = 4803379	M

Reviewer: patelji, 28-Aug-2019 08:58:28

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D
Lims ID: IC CHLOL2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Aug-2019 15:44:29 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-011
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:14 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	59976819	100.0	100.0	
2	1.543	1.541	0.002	98797718	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.410	3.408	0.002	15820922	500.0	511.1	
1	4.119	4.118	0.001	16587456	500.0	508.8	M
1	4.858	4.858	0.000	55961150	500.0	475.7	M
1	4.952	4.952	0.000	63094340	500.0	494.2	M
1	5.006	5.007	-0.001	43462873	500.0	488.8	M
		Average of Peak Amounts =				495.7	
2	2.748	2.747	0.001	20937532	500.0	506.3	M
2	3.185	3.183	0.002	25570270	500.0	507.6	M
2	3.599	3.598	0.001	15514525	500.0	487.7	M
2	3.808	3.806	0.002	86987182	500.0	504.1	M
2	3.934	3.933	0.001	148561632	500.0	508.5	M
		Average of Peak Amounts =				502.8	
						RPD = 1.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.410	3.408	0.002	15820922	500.0	511.1	
1	4.119	4.118	0.001	16587456	500.0	508.8	M
1	4.858	4.858	0.000	55961150	500.0	475.7	M
1	4.952	4.952	0.000	63094340	500.0	494.2	M
1	5.006	5.007	-0.001	43462873	500.0	488.8	M
		Average of Peak Amounts =				495.7	
2	2.748	2.747	0.001	20937532	500.0	506.3	M
2	3.185	3.183	0.002	25570270	500.0	507.6	M
2	3.599	3.598	0.001	15514525	500.0	487.7	M
2	3.808	3.806	0.002	86987182	500.0	504.1	M
2	3.934	3.933	0.001	148561632	500.0	508.5	M
		Average of Peak Amounts =				502.8	
						RPD = 1.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

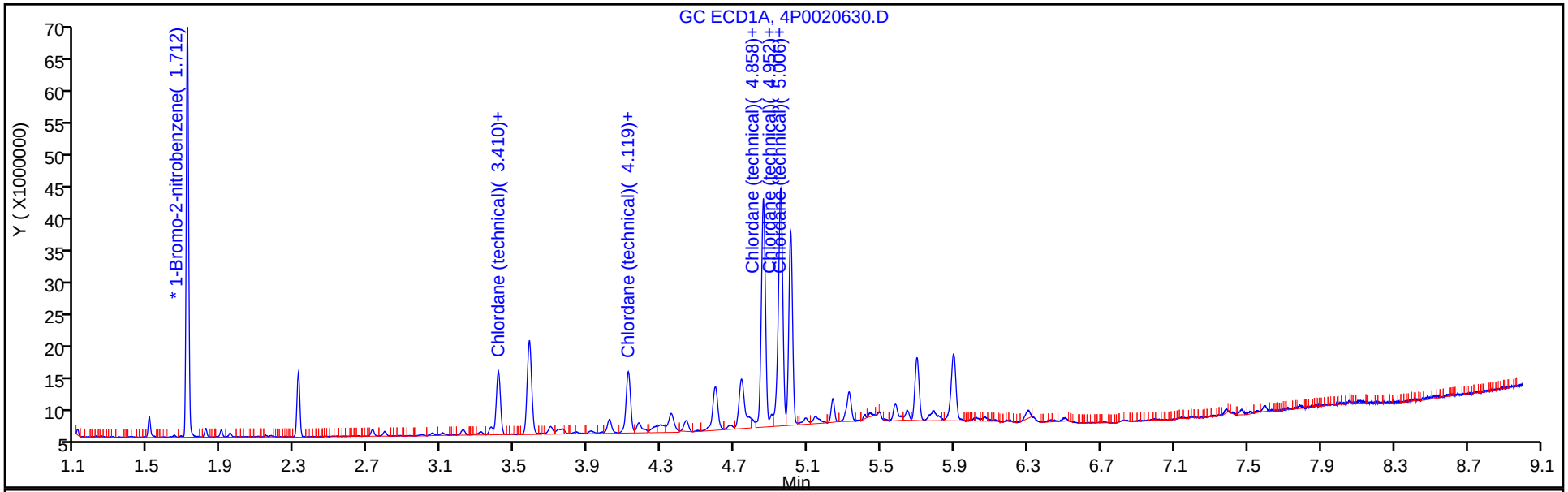
SGCHLORDANEL3_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

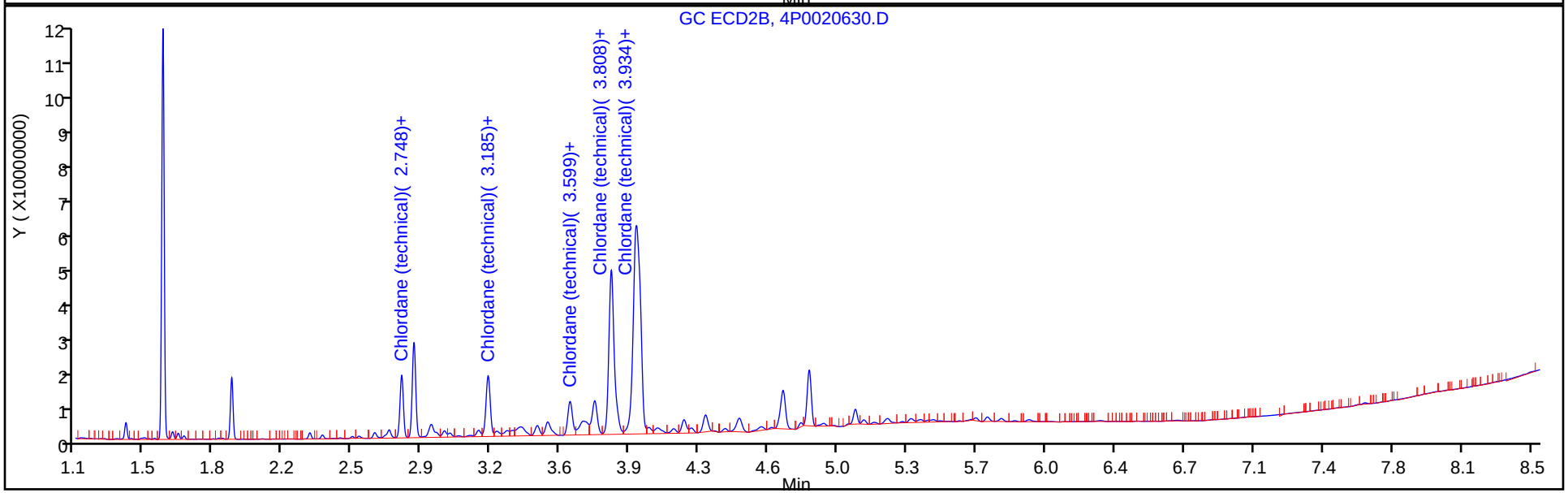
Report Date: 28-Aug-2019 09:24:15 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D

Injection Date:	26-Aug-2019 15:44:29	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL2			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





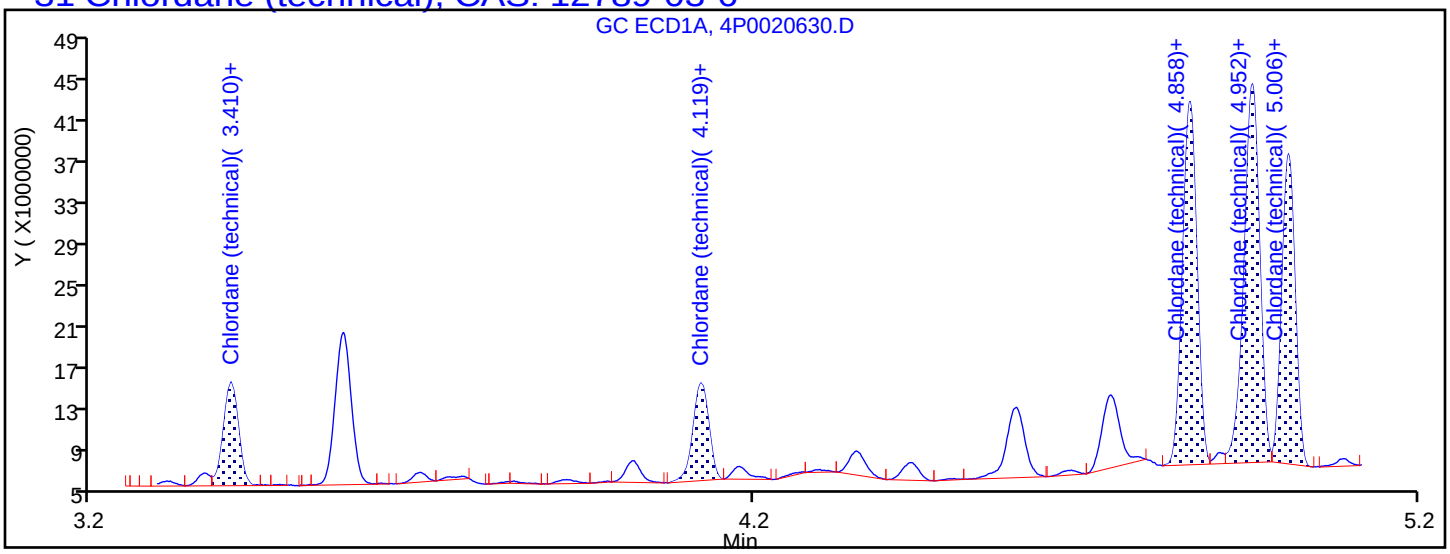
Report Date: 28-Aug-2019 09:24:15 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D

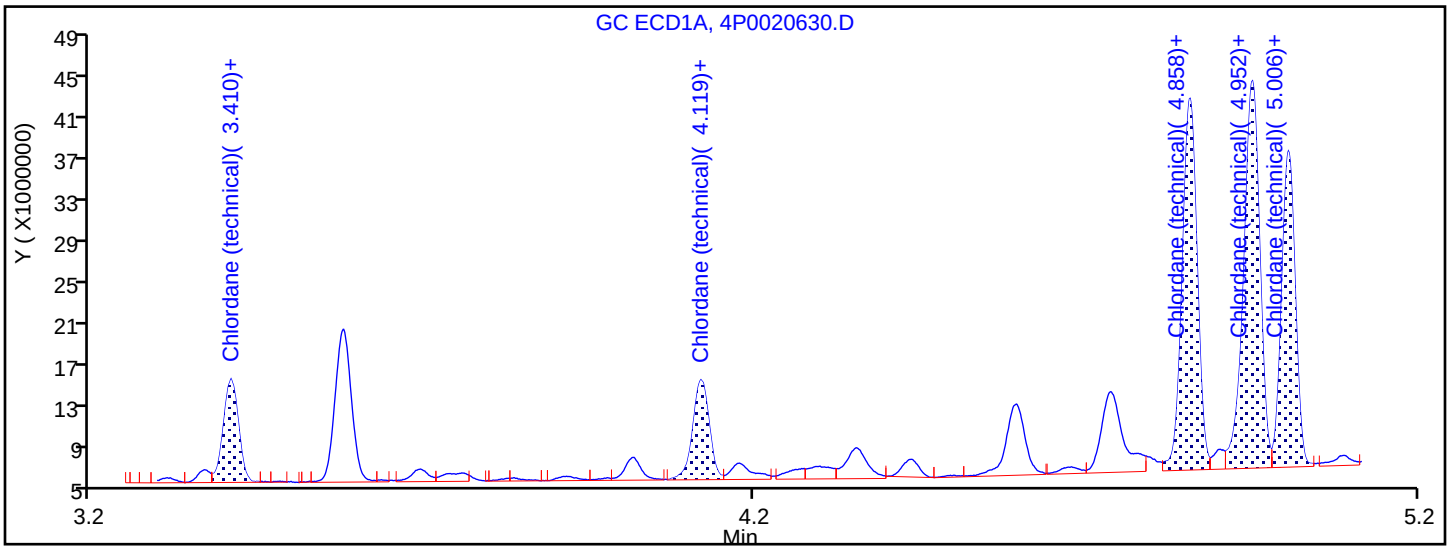
Injection Date:	26-Aug-2019 15:44:29	Instrument ID:	CPESTGC4		
Lims ID:	IC CHLOL2				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

3.410	Response = 15820922
4.119	Response = 15599219
4.858	Response = 52453361
4.952	Response = 59514661
5.006	Response = 41351496



Manual Integration Results

3.410	Response = 15820922	
4.119	Response = 16587456	M
4.858	Response = 55961150	M
4.952	Response = 63094340	M
5.006	Response = 43462873	M

Reviewer: patelji, 28-Aug-2019 08:58:54

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 28-Aug-2019 09:24:15 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D

Injection Date: 26-Aug-2019 15:44:29 Instrument ID: CPESTGC4

Lims ID: IC CHLOL2

Client ID:

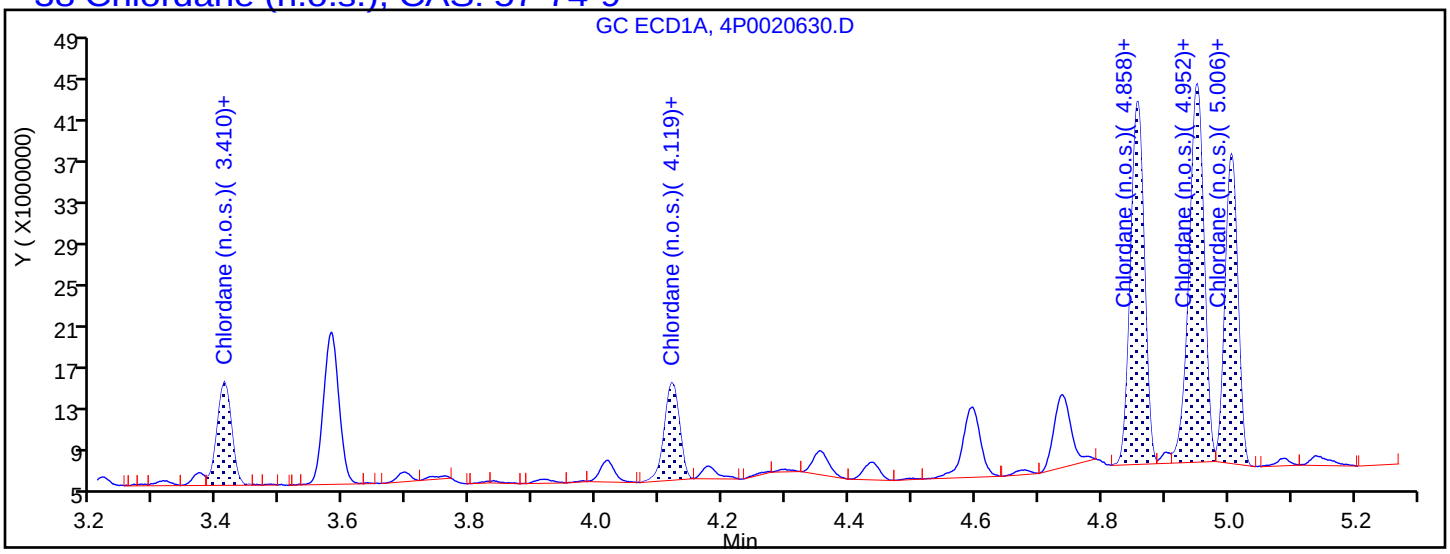
Operator ID: ALS Bottle#: 12 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

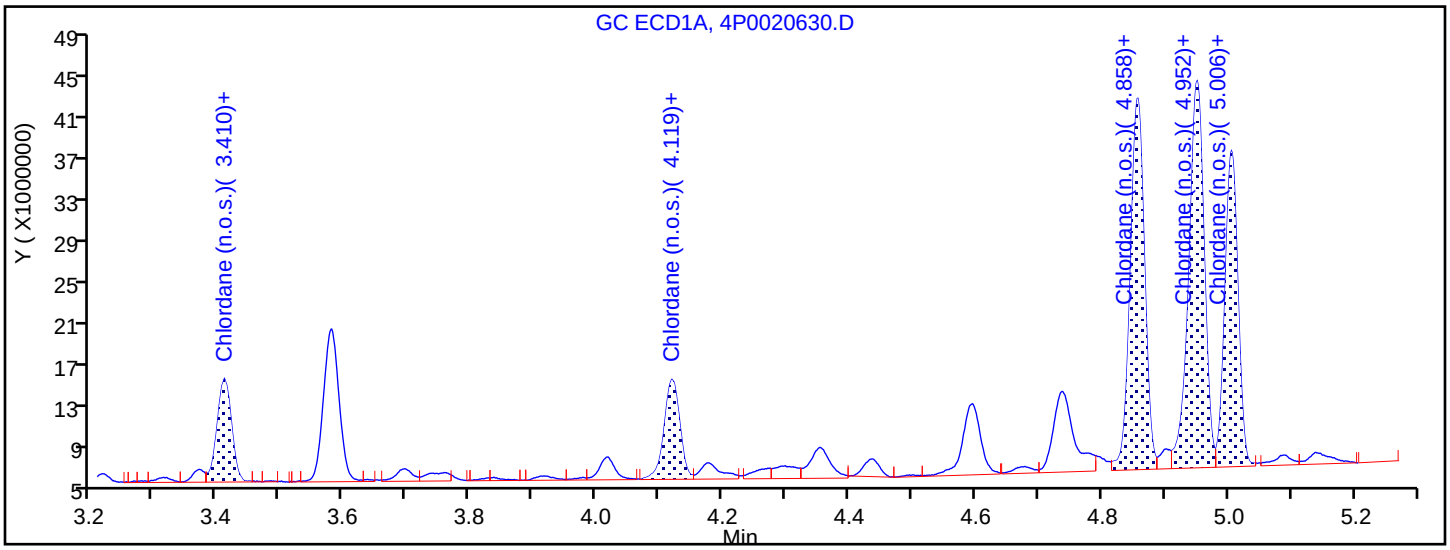
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

3.410	Response = 15820922
4.119	Response = 15599219
4.858	Response = 52453361
4.952	Response = 59514661
5.006	Response = 41351496



Manual Integration Results

3.410	Response = 15820922	
4.119	Response = 16587456	M
4.858	Response = 55961150	M
4.952	Response = 63094340	M
5.006	Response = 43462873	M

Reviewer: patelji, 28-Aug-2019 08:58:54

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D
Lims ID: IC CHLOL3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 26-Aug-2019 16:00:22 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-012
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:18 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:12:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.711	1.711	0.000	52395007	100.0	100.0	
2	1.541	1.541	0.000	88384993	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.408	3.408	0.000	25260807	1000.0	934.2	M
1	4.118	4.118	0.000	26047689	1000.0	914.7	M
1	4.858	4.858	0.000	89888194	1000.0	874.6	M
1	4.952	4.952	0.000	101306491	1000.0	908.4	M
1	5.007	5.007	0.000	70803666	1000.0	911.4	M
		Average of Peak Amounts =				908.7	
2	2.747	2.747	0.000	34338168	1000.0	928.1	M
2	3.183	3.183	0.000	42308903	1000.0	938.9	M
2	3.598	3.598	0.000	26541122	1000.0	932.6	M
2	3.806	3.806	0.000	142121758	1000.0	920.7	M
2	3.933	3.933	0.000	241757033	1000.0	925.0	M
		Average of Peak Amounts =				929.1	
						RPD = 2.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.408	3.408	0.000	25260807	1000.0	934.2	M
1	4.118	4.118	0.000	26047689	1000.0	914.7	M
1	4.858	4.858	0.000	89888194	1000.0	874.6	M
1	4.952	4.952	0.000	101306491	1000.0	908.4	M
1	5.007	5.007	0.000	70803666	1000.0	911.4	M
		Average of Peak Amounts =				908.7	
2	2.747	2.747	0.000	34338168	1000.0	928.1	M
2	3.183	3.183	0.000	42308903	1000.0	938.9	M
2	3.598	3.598	0.000	26541122	1000.0	932.6	M
2	3.806	3.806	0.000	142121758	1000.0	920.7	M
2	3.933	3.933	0.000	241757033	1000.0	925.0	M
		Average of Peak Amounts =				929.1	
						RPD = 2.22	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

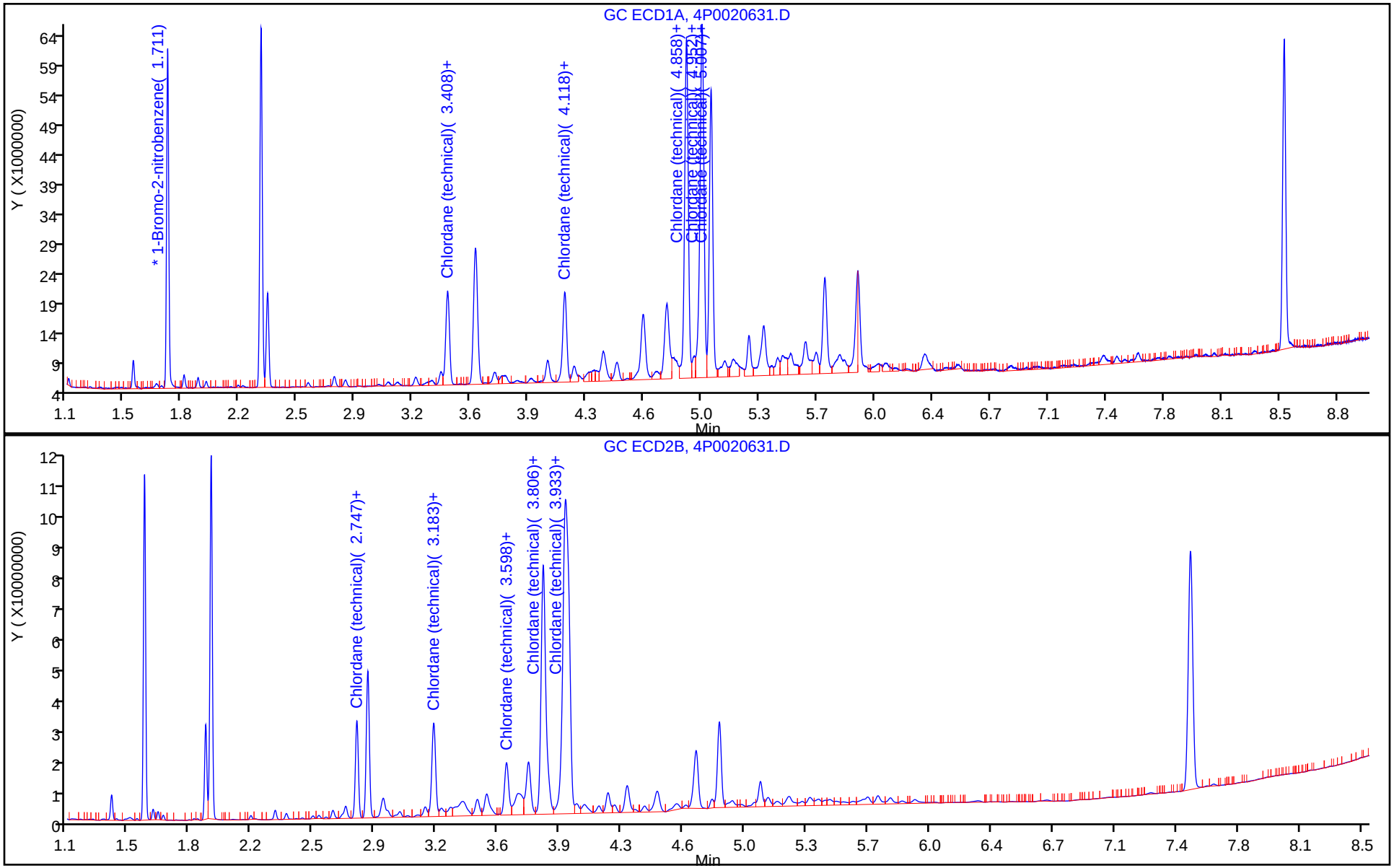
SGCHLORDANEL4_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:24:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D

Injection Date:	26-Aug-2019 16:00:22	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL3			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D

Injection Date: 26-Aug-2019 16:00:22 Instrument ID: CPESTGC4

Lims ID: IC CHLOL3

Client ID:

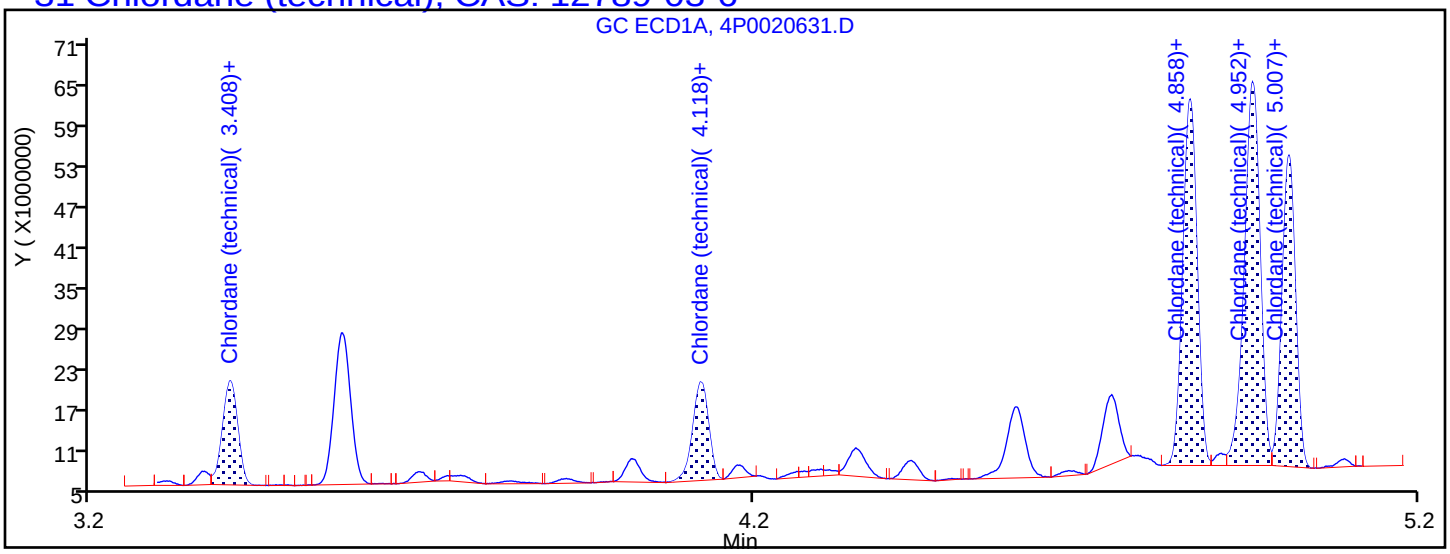
Operator ID: ALS Bottle#: 13 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

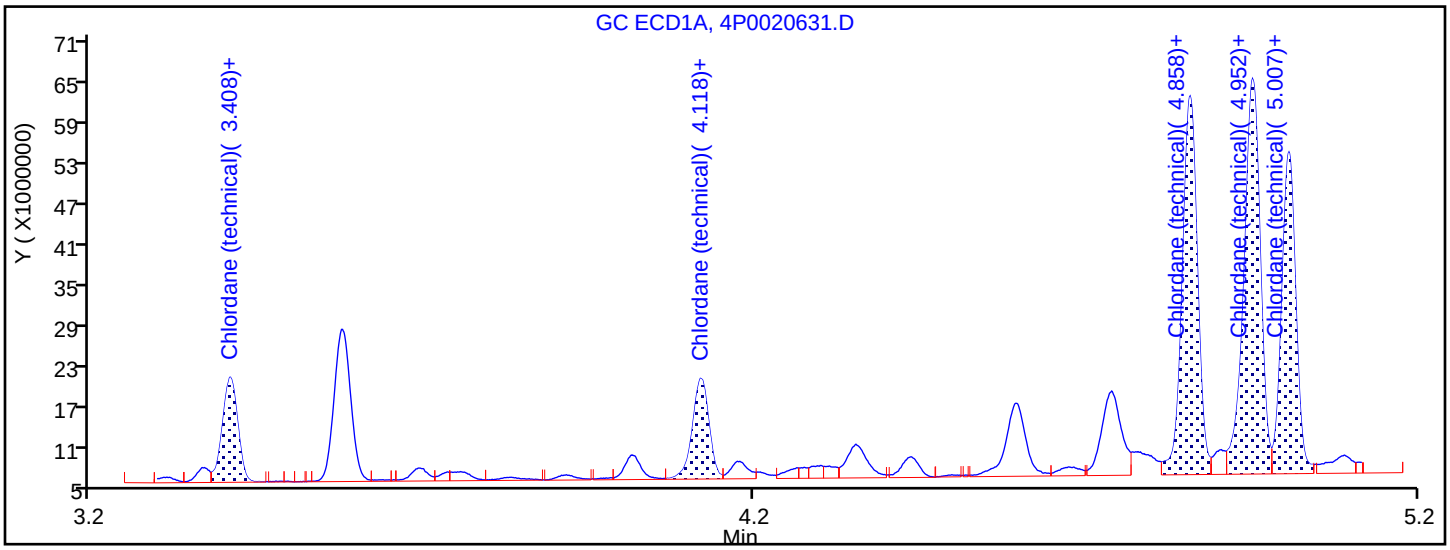
Column: Detector GC ECD1A

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

3.408	Response = 24581318
4.118	Response = 24583247
4.858	Response = 81305924
4.952	Response = 93843425
5.007	Response = 64913980



Manual Integration Results

3.408	Response = 25260807	M
4.118	Response = 26047689	M
4.858	Response = 89888194	M
4.952	Response = 101306491	M
5.007	Response = 70803666	M

Reviewer: patelji, 28-Aug-2019 08:59:13

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 28-Aug-2019 09:24:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D

Injection Date: 26-Aug-2019 16:00:22 Instrument ID: CPESTGC4

Lims ID: IC CHLOL3

Client ID:

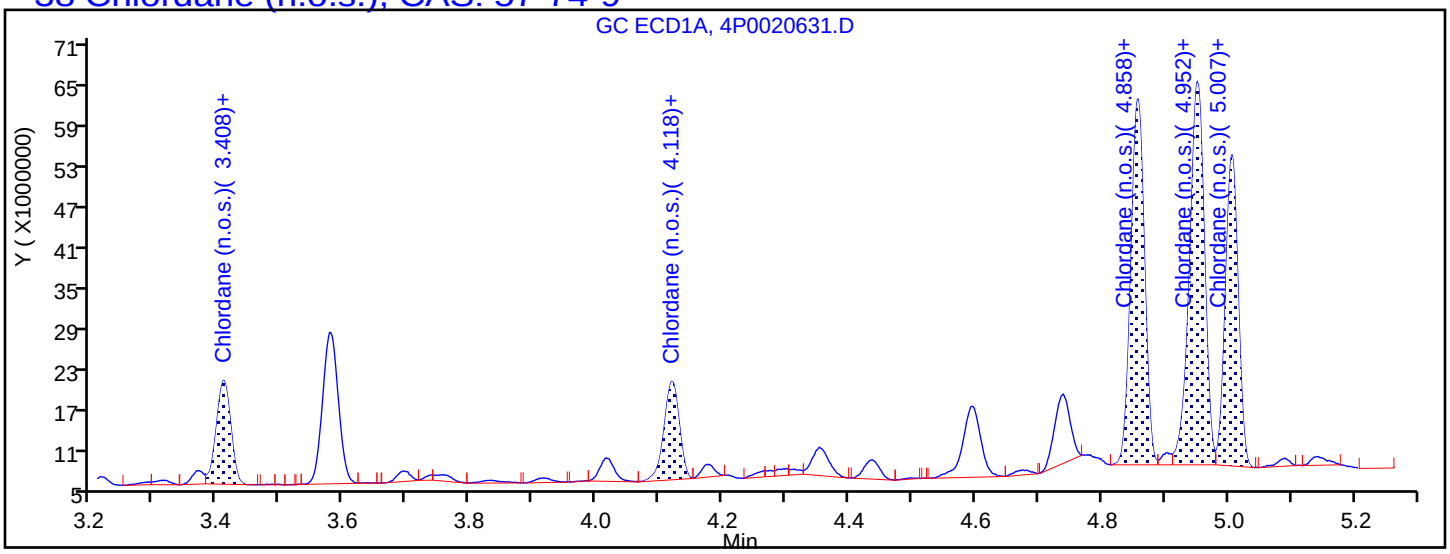
Operator ID: ALS Bottle#: 13 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

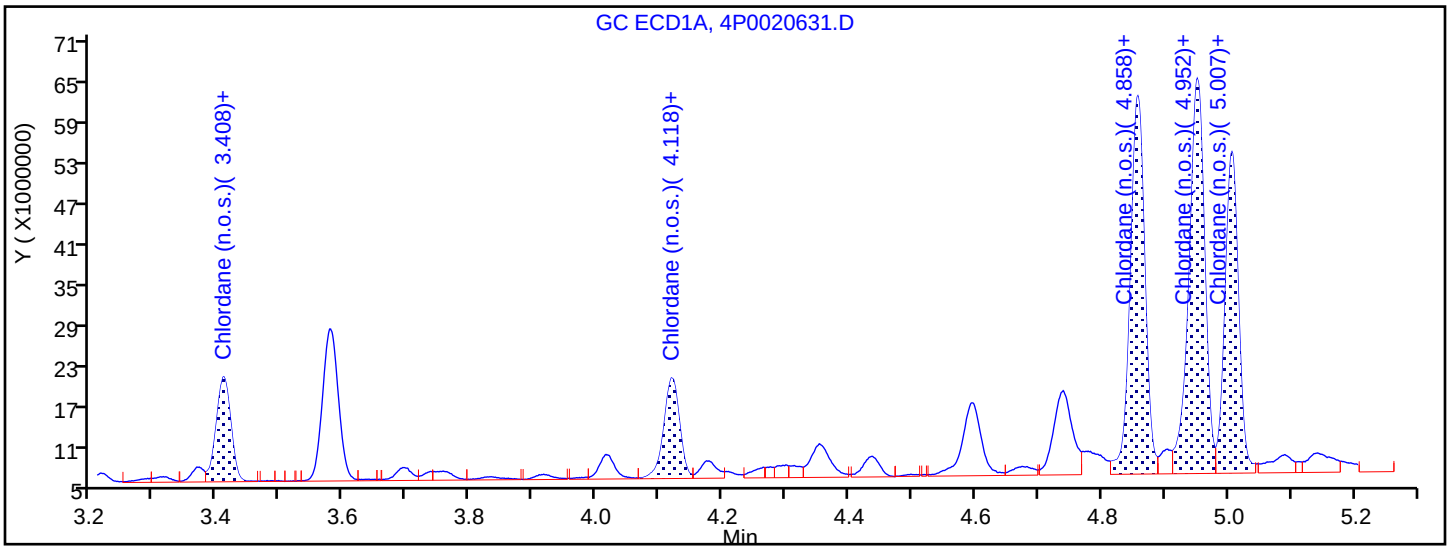
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

3.408	Response = 24581318
4.118	Response = 24583247
4.858	Response = 81305924
4.952	Response = 93843425
5.007	Response = 64913980



Manual Integration Results

3.408	Response = 25260807	M
4.118	Response = 26047689	M
4.858	Response = 89888194	M
4.952	Response = 101306491	M
5.007	Response = 70803666	M

Reviewer: patelji, 28-Aug-2019 08:59:13

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020632.D
Lims ID: IC CHLOL4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Aug-2019 16:16:15 ALS Bottle#: 14 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-013
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:22 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	54914679	100.0	100.0	
2	1.542	1.541	0.001	91410684	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.410	3.408	0.002	44276115	1500.0	1562.3	M
1	4.122	4.118	0.004	47394086	1500.0	1587.9	M
1	4.859	4.858	0.001	167200616	1500.0	1552.2	M
1	4.953	4.952	0.001	188630031	1500.0	1613.7	M
1	5.008	5.007	0.001	131703189	1500.0	1617.6	M
		Average of Peak Amounts =				1586.7	
2	2.748	2.747	0.001	63076973	1500.0	1648.4	
2	3.185	3.183	0.002	74598106	1500.0	1600.6	
2	3.600	3.598	0.002	48446077	1500.0	1646.0	
2	3.808	3.806	0.002	260480985	1500.0	1631.5	
2	3.934	3.933	0.001	443983136	1500.0	1642.6	
		Average of Peak Amounts =				1633.8	
						RPD = 2.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.410	3.408	0.002	44276115	1500.0	1562.3	M
1	4.122	4.118	0.004	47394086	1500.0	1587.9	M
1	4.859	4.858	0.001	167200616	1500.0	1552.2	M
1	4.953	4.952	0.001	188630031	1500.0	1613.7	M
1	5.008	5.007	0.001	131703189	1500.0	1617.6	M
		Average of Peak Amounts =				1586.7	
2	2.748	2.747	0.001	63076973	1500.0	1648.4	
2	3.185	3.183	0.002	74598106	1500.0	1600.6	
2	3.600	3.598	0.002	48446077	1500.0	1646.0	
2	3.808	3.806	0.002	260480985	1500.0	1631.5	
2	3.934	3.933	0.001	443983136	1500.0	1642.6	
		Average of Peak Amounts =				1633.8	
						RPD = 2.92	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

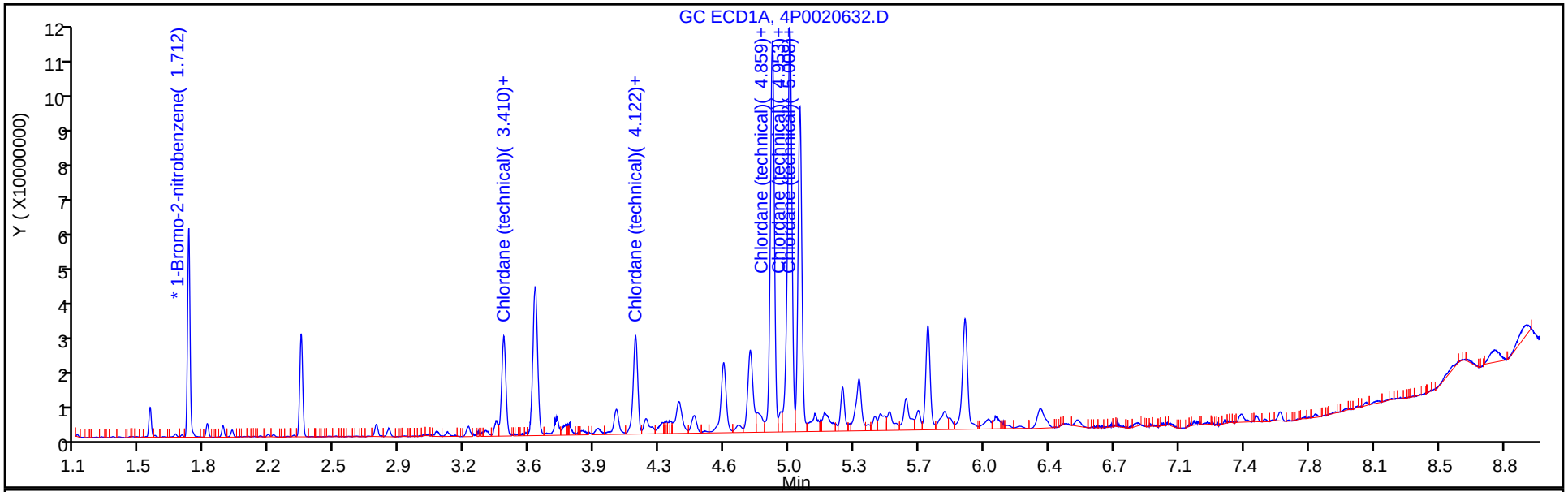
SGCHLORDANEL5_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

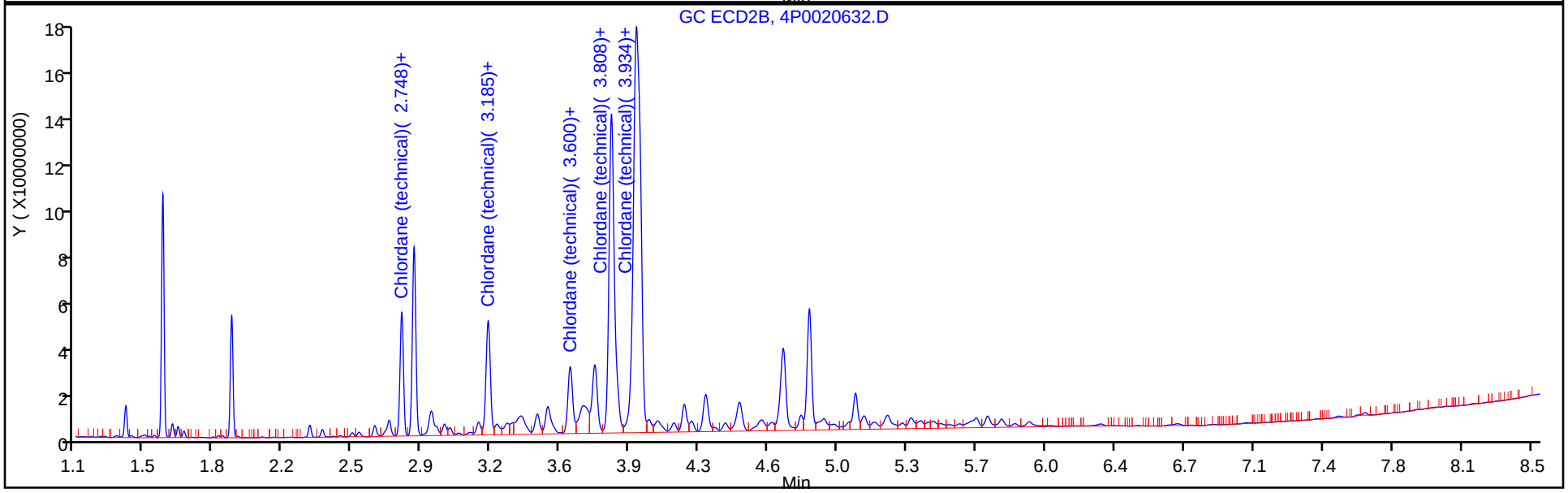
Report Date: 28-Aug-2019 09:24:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020632.D

Injection Date:	26-Aug-2019 16:16:15	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL4			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





Report Date: 28-Aug-2019 09:24:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020632.D

Injection Date: 26-Aug-2019 16:16:15 Instrument ID: CPESTGC4

Lims ID: IC CHLOL4

Client ID:

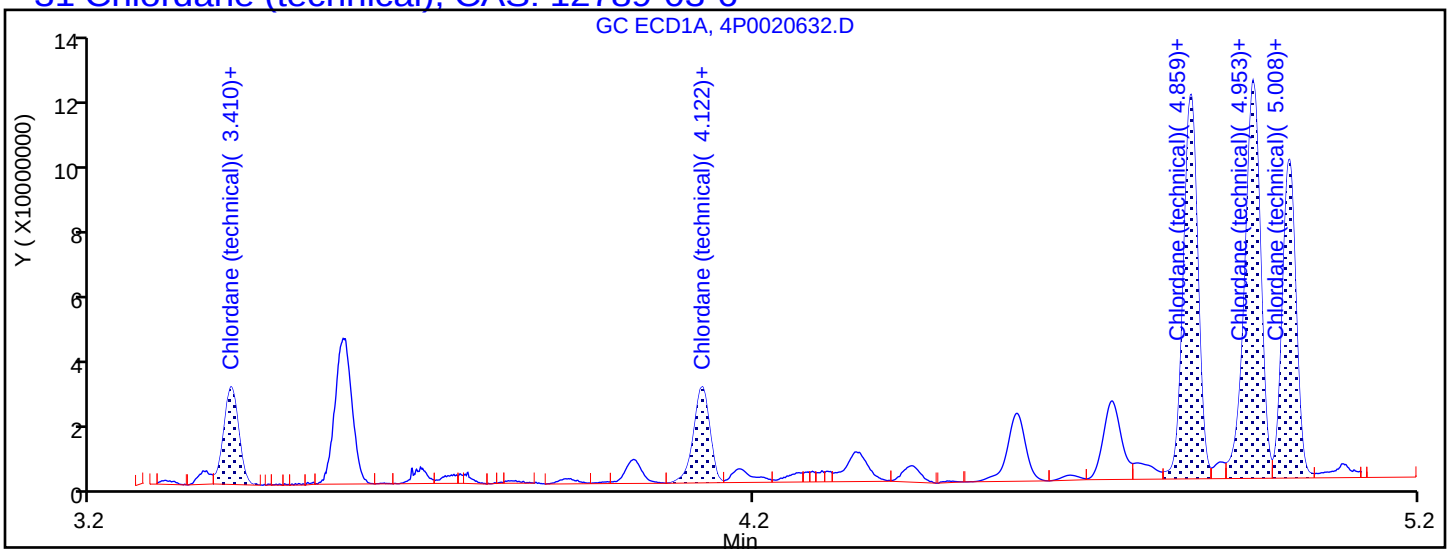
Operator ID: ALS Bottle#: 14 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

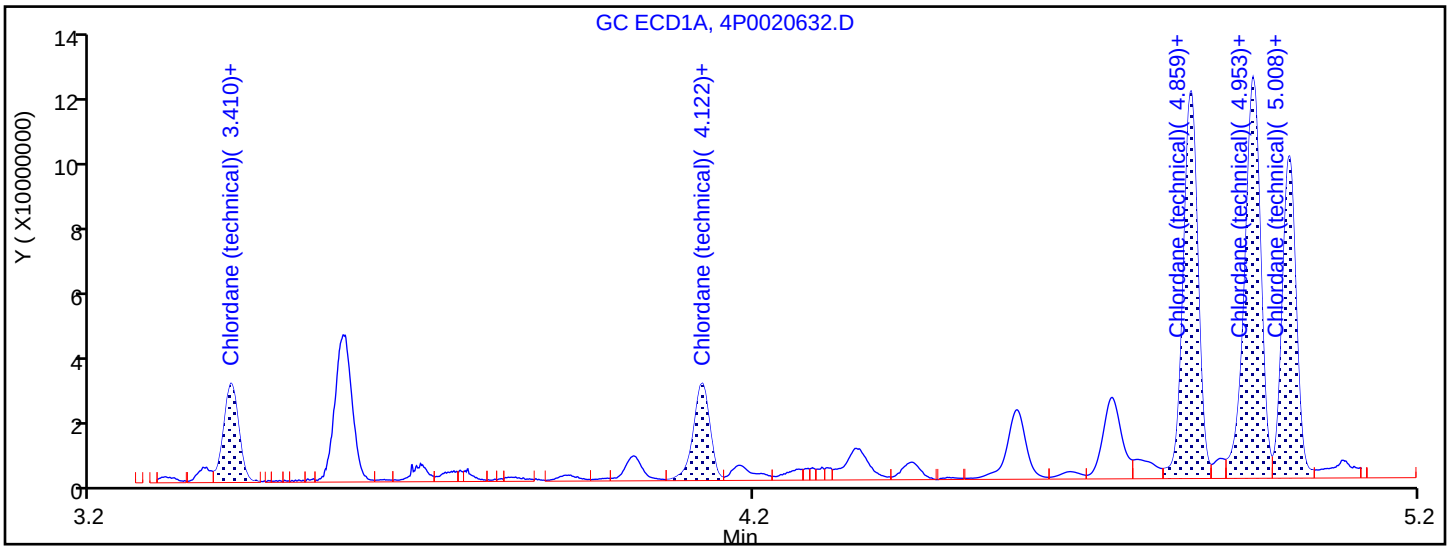
Column: Detector GC ECD1A

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

3.410	Response = 42572815
4.122	Response = 45694552
4.859	Response = 163299066
4.953	Response = 184570072
5.008	Response = 127841410



Manual Integration Results

3.410	Response = 44276115	M
4.122	Response = 47394086	M
4.859	Response = 167200616	M
4.953	Response = 188630031	M
5.008	Response = 131703189	M

Reviewer: patelji, 28-Aug-2019 08:59:34

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 28-Aug-2019 09:24:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020632.D

Injection Date: 26-Aug-2019 16:16:15 Instrument ID: CPESTGC4

Lims ID: IC CHLOL4

Client ID:

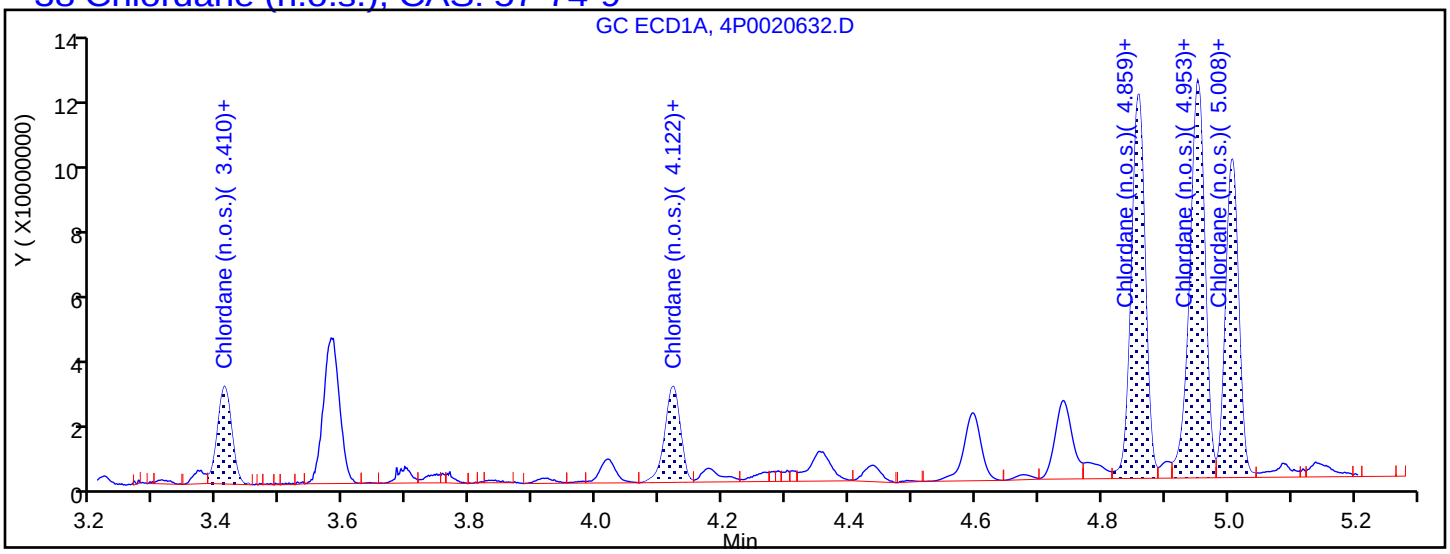
Operator ID: ALS Bottle#: 14 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

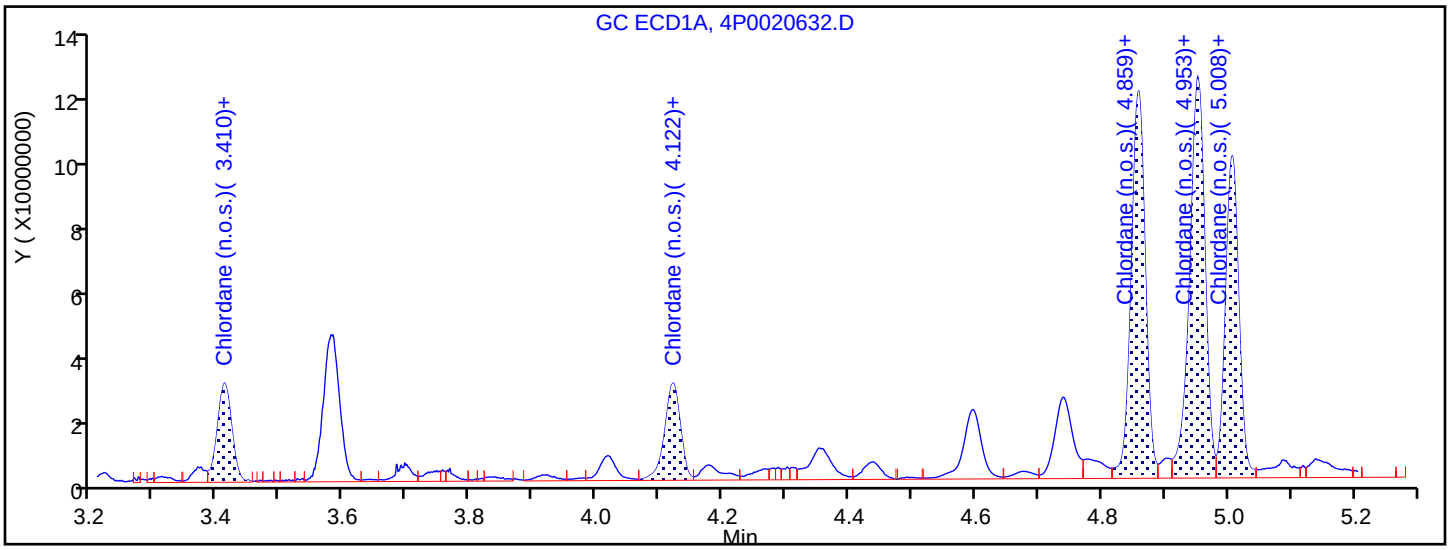
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

3.410	Response = 42572815
4.122	Response = 45694552
4.859	Response = 163299066
4.953	Response = 184570072
5.008	Response = 127841410



Manual Integration Results

3.410	Response = 44276115	M
4.122	Response = 47394086	M
4.859	Response = 167200616	M
4.953	Response = 188630031	M
5.008	Response = 131703189	M

Reviewer: patelji, 28-Aug-2019 08:59:34

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020633.D
Lims ID: IC CHLOL5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Aug-2019 16:31:40 ALS Bottle#: 15 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-014
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:26 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	54517980	100.0	100.0	
2	1.542	1.541	0.001	89175597	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.411	3.408	0.003	65808052	2500.0	2338.9	M
1	4.123	4.118	0.005	71578252	2500.0	2415.6	M
1	4.858	4.858	0.000	258216129	2500.0	2414.6	M
1	4.953	4.952	0.001	290936909	2500.0	2507.1	M
1	5.007	5.007	0.000	199862740	2500.0	2472.6	M
		Average of Peak Amounts =				2429.8	
2	2.749	2.747	0.002	95796355	2500.0	2566.3	
2	3.186	3.183	0.003	112797082	2500.0	2480.9	
2	3.600	3.598	0.002	75925191	2500.0	2644.3	
2	3.808	3.806	0.002	402381352	2500.0	2583.5	
2	3.935	3.933	0.002	677838648	2500.0	2570.7	
		Average of Peak Amounts =				2569.1	
						RPD = 5.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.411	3.408	0.003	65808052	2500.0	2338.9	M
1	4.123	4.118	0.005	71578252	2500.0	2415.6	M
1	4.858	4.858	0.000	258216129	2500.0	2414.6	M
1	4.953	4.952	0.001	290936909	2500.0	2507.1	M
1	5.007	5.007	0.000	199862740	2500.0	2472.6	M
		Average of Peak Amounts =				2429.8	
2	2.749	2.747	0.002	95796355	2500.0	2566.3	
2	3.186	3.183	0.003	112797082	2500.0	2480.9	
2	3.600	3.598	0.002	75925191	2500.0	2644.3	
2	3.808	3.806	0.002	402381352	2500.0	2583.5	
2	3.935	3.933	0.002	677838648	2500.0	2570.7	
		Average of Peak Amounts =				2569.1	
						RPD = 5.58	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

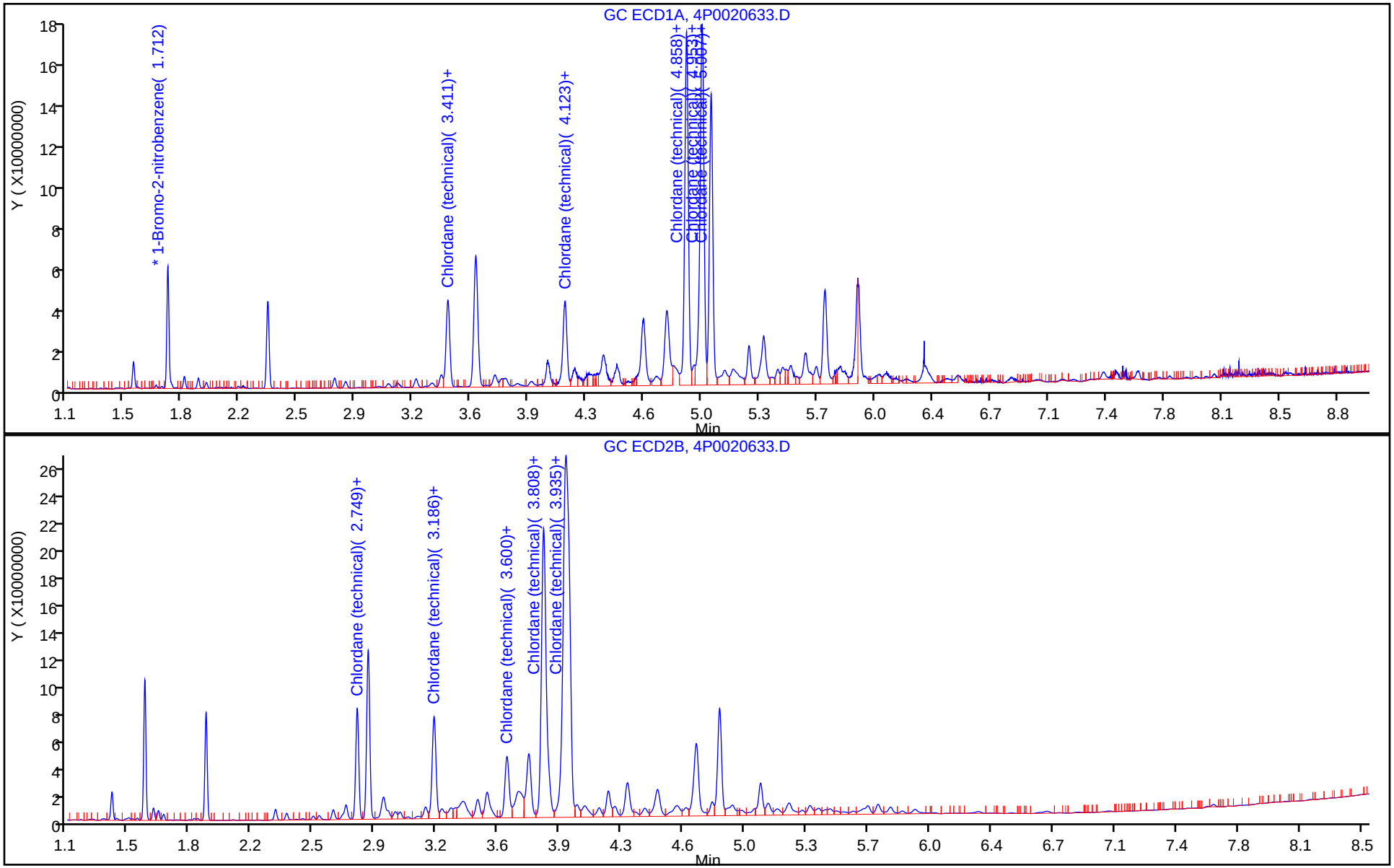
SGCHLORDANEL6_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:24:26 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020633.D

Injection Date:	26-Aug-2019 16:31:40	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL5			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:26 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020633.D

Injection Date: 26-Aug-2019 16:31:40 Instrument ID: CPESTGC4

Lims ID: IC CHLOL5

Client ID:

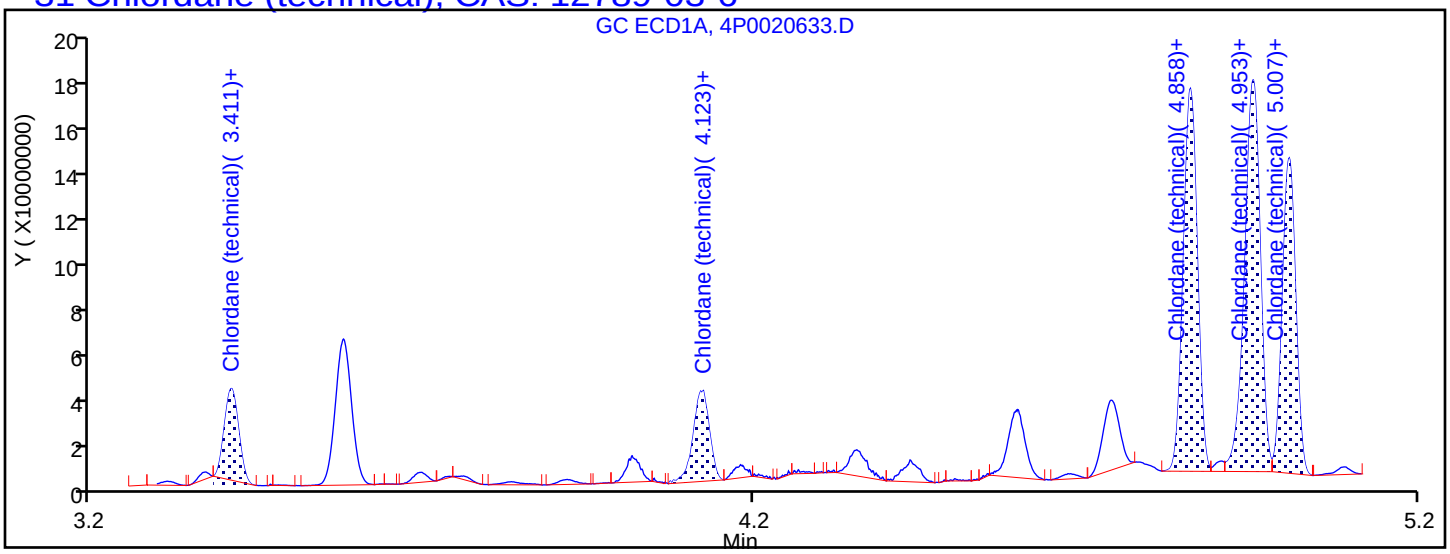
Operator ID: ALS Bottle#: 15 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

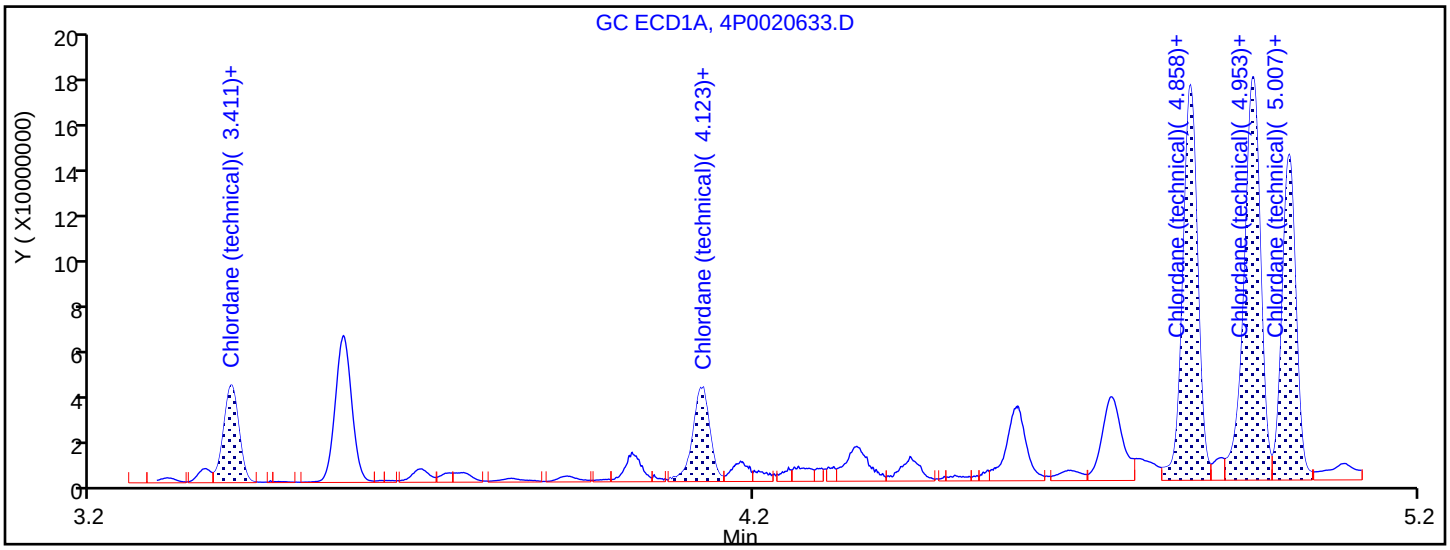
Column: Detector GC ECD1A

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

3.411	Response = 57365478
4.123	Response = 64784563
4.858	Response = 235052279
4.953	Response = 269399389
5.007	Response = 184842213



Manual Integration Results

3.411	Response = 65808052	M
4.123	Response = 71578252	M
4.858	Response = 258216129	M
4.953	Response = 290936909	M
5.007	Response = 199862740	M

Reviewer: patelji, 28-Aug-2019 08:59:53

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 28-Aug-2019 09:24:26 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020633.D

Injection Date: 26-Aug-2019 16:31:40 Instrument ID: CPESTGC4

Lims ID: IC CHLOL5

Client ID:

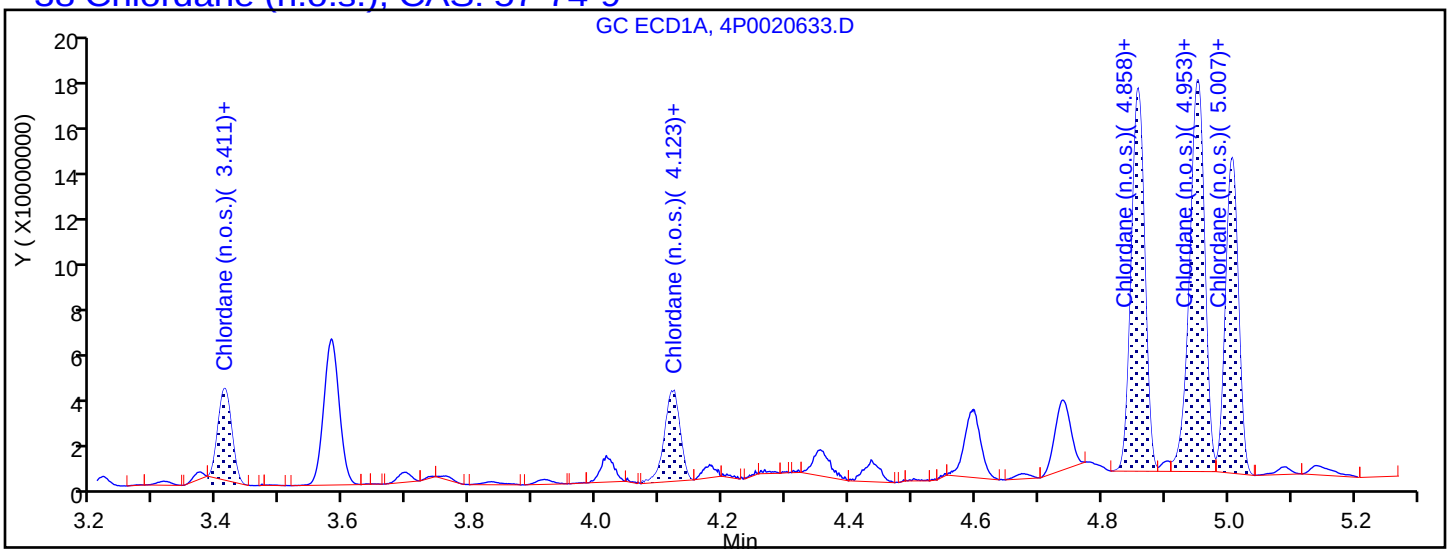
Operator ID: ALS Bottle#: 15 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

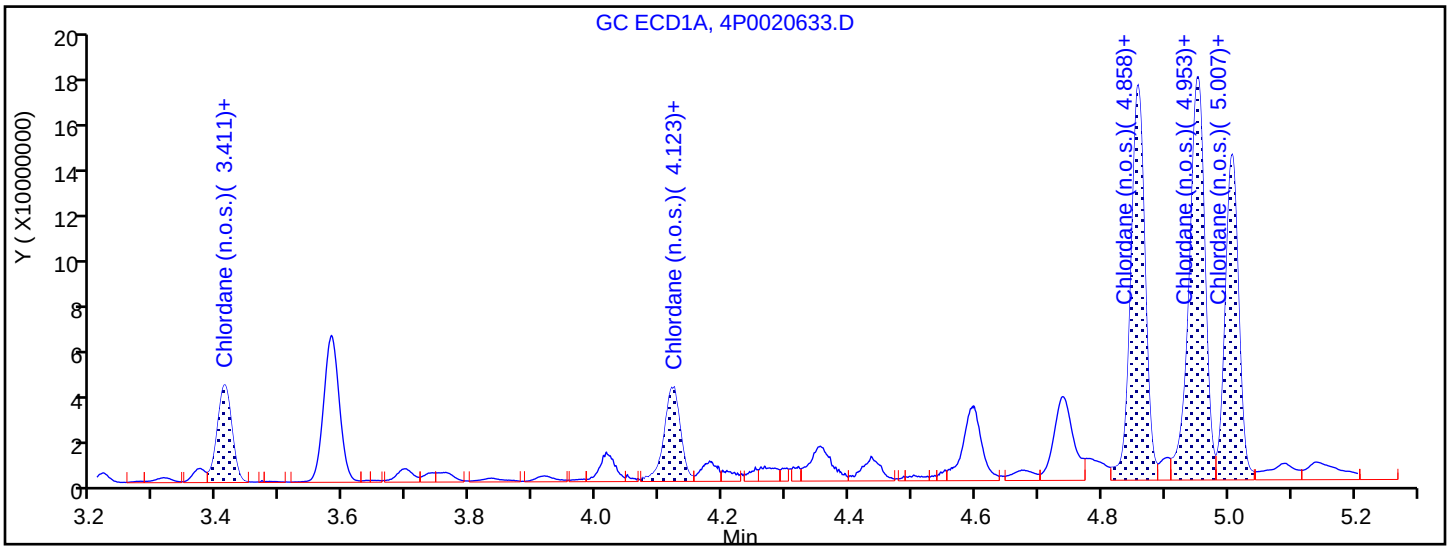
Column: Detector GC ECD1A

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

3.411	Response = 57365478
4.123	Response = 64784563
4.858	Response = 235052279
4.953	Response = 269399389
5.007	Response = 184842213



Manual Integration Results

3.411	Response = 65808052	M
4.123	Response = 71578252	M
4.858	Response = 258216129	M
4.953	Response = 290936909	M
5.007	Response = 199862740	M

Reviewer: patelji, 28-Aug-2019 08:59:53

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 15:29 Calibration End Date: 08/26/2019 16:31 Calibration ID: 76337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/10	4P0020629.D
Level 2	IC 460-635023/11	4P0020630.D
Level 3	IC 460-635023/12	4P0020631.D
Level 4	IC 460-635023/13	4P0020632.D
Level 5	IC 460-635023/14	4P0020633.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								
Chlordane (n.o.s.)						None											
Chlordane (n.o.s.) Peak 1	0.0391	0.0424	0.0389	0.0460	0.0430	Ave		0.0419				7.1		20.0			
Chlordane (technical) Peak 1	0.0391	0.0424	0.0389	0.0460	0.0430	Ave		0.0419				7.1		20.0			
Chlordane (n.o.s.) Peak 2	0.0503	0.0518	0.0479	0.0544	0.0506	Ave		0.0510				4.7		20.0			
Chlordane (technical) Peak 2	0.0503	0.0518	0.0479	0.0544	0.0506	Ave		0.0510				4.7		20.0			
Chlordane (n.o.s.) Peak 3	0.0302	0.0314	0.0300	0.0353	0.0341	Ave		0.0322				7.4		20.0			
Chlordane (technical) Peak 3	0.0302	0.0314	0.0300	0.0353	0.0341	Ave		0.0322				7.4		20.0			
Chlordane (n.o.s.) Peak 4	0.1659	0.1761	0.1608	0.1900	0.1805	Ave		0.1747				6.6		20.0			
Chlordane (technical) Peak 4	0.1659	0.1761	0.1608	0.1900	0.1805	Ave		0.1747				6.6		20.0			
Chlordane (n.o.s.) Peak 5	0.2763	0.3007	0.2735	0.3238	0.3040	Ave		0.2957				7.1		20.0			
Chlordane (technical) Peak 5	0.2763	0.3007	0.2735	0.3238	0.3040	Ave		0.2957				7.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 15:29 Calibration End Date: 08/26/2019 16:31 Calibration ID: 76337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/10	4P0020629.D
Level 2	IC 460-635023/11	4P0020630.D
Level 3	IC 460-635023/12	4P0020631.D
Level 4	IC 460-635023/13	4P0020632.D
Level 5	IC 460-635023/14	4P0020633.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (n.o.s.)	BNB	None						50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 1	BNB	Ave	1969002	20937532	34338168	63076973	95796355	50.0	500	1000	1500	2500
Chlordane (technical) Peak 1	BNB	Ave	1969002	20937532	34338168	63076973	95796355	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 2	BNB	Ave	2533271	25570270	42308903	74598106	112797082	50.0	500	1000	1500	2500
Chlordane (technical) Peak 2	BNB	Ave	2533271	25570270	42308903	74598106	112797082	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 3	BNB	Ave	1519308	15514525	26541122	48446077	75925191	50.0	500	1000	1500	2500
Chlordane (technical) Peak 3	BNB	Ave	1519308	15514525	26541122	48446077	75925191	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 4	BNB	Ave	8357500	86987182	142121758	260480985	402381352	50.0	500	1000	1500	2500
Chlordane (technical) Peak 4	BNB	Ave	8357500	86987182	142121758	260480985	402381352	50.0	500	1000	1500	2500
Chlordane (n.o.s.) Peak 5	BNB	Ave	13918008	148561632	241757033	443983136	677838648	50.0	500	1000	1500	2500
Chlordane (technical) Peak 5	BNB	Ave	13918008	148561632	241757033	443983136	677838648	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average ISTD
None = No Calib Curve

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D
Lims ID: IC CHLOL1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Aug-2019 15:29:05 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-010
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:10 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	62090814	100.0	100.0	
2	1.542	1.541	0.001	100732636	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.410	3.408	0.002	1708745	50.0	53.3	M
1	4.119	4.118	0.001	1759517	50.0	52.1	M
1	4.857	4.858	-0.001	7146016	50.0	58.7	M
1	4.952	4.952	0.000	6770793	50.0	51.2	M
1	5.007	5.007	0.000	4803379	50.0	52.2	M
		Average of Peak Amounts =				53.5	
2	2.748	2.747	0.001	1969002	50.0	46.7	M
2	3.185	3.183	0.002	2533271	50.0	49.3	M
2	3.599	3.598	0.001	1519308	50.0	46.8	M
2	3.807	3.806	0.001	8357500	50.0	47.5	M
2	3.934	3.933	0.001	13918008	50.0	46.7	M
		Average of Peak Amounts =				47.4	
						RPD = 12.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.410	3.408	0.002	1708745	50.0	53.3	M
1	4.119	4.118	0.001	1759517	50.0	52.1	M
1	4.857	4.858	-0.001	7146016	50.0	58.7	M
1	4.952	4.952	0.000	6770793	50.0	51.2	M
1	5.007	5.007	0.000	4803379	50.0	52.2	M
		Average of Peak Amounts =				53.5	
2	2.748	2.747	0.001	1969002	50.0	46.7	M
2	3.185	3.183	0.002	2533271	50.0	49.3	M
2	3.599	3.598	0.001	1519308	50.0	46.8	M
2	3.807	3.806	0.001	8357500	50.0	47.5	M
2	3.934	3.933	0.001	13918008	50.0	46.7	M
		Average of Peak Amounts =				47.4	
						RPD = 12.07	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

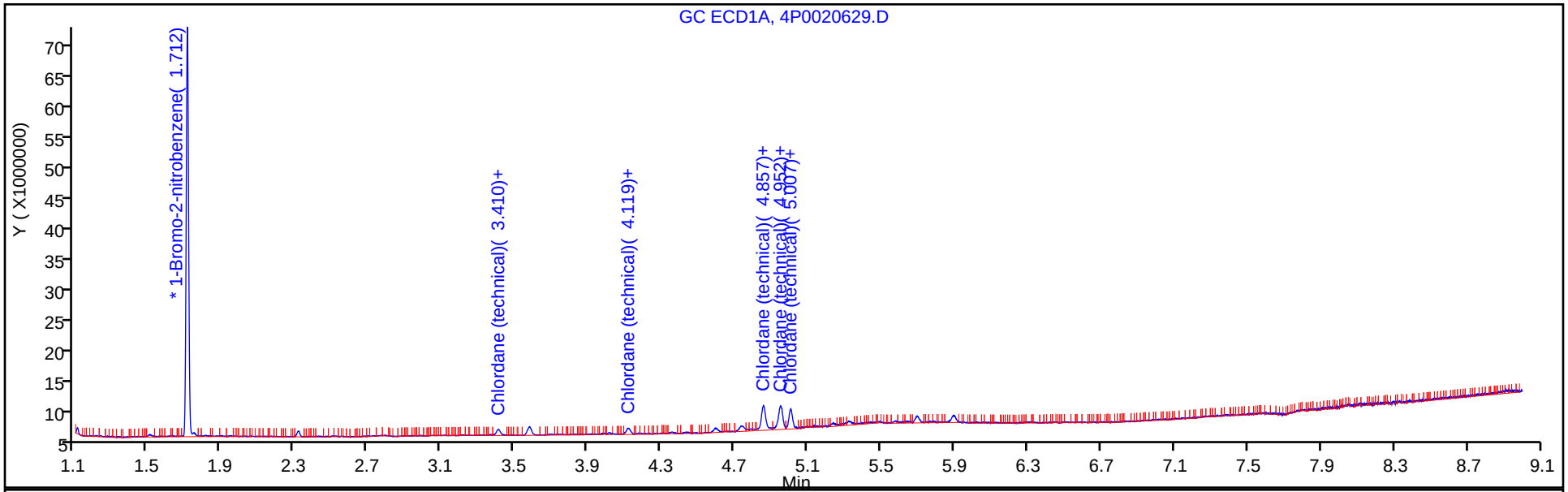
SGCHLORDANEL1_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

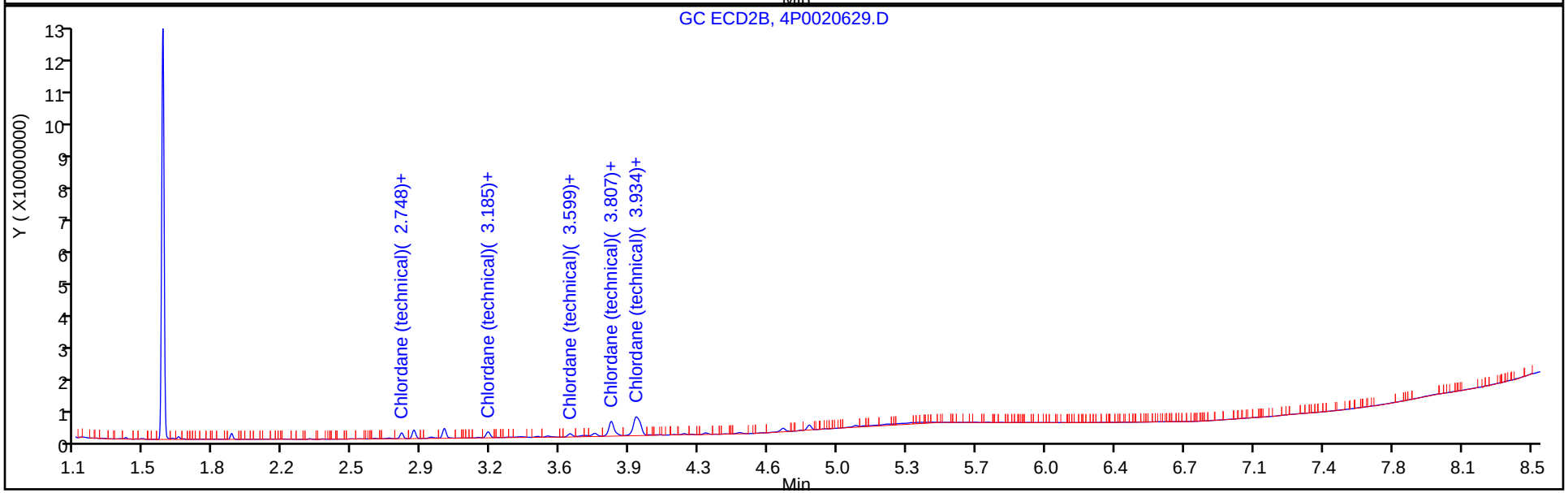
Report Date: 28-Aug-2019 09:24:11 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D

Injection Date:	26-Aug-2019 15:29:05	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL1			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





Report Date: 28-Aug-2019 09:24:12 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D

Injection Date: 26-Aug-2019 15:29:05 Instrument ID: CPESTGC4

Lims ID: IC CHLOL1

Client ID:

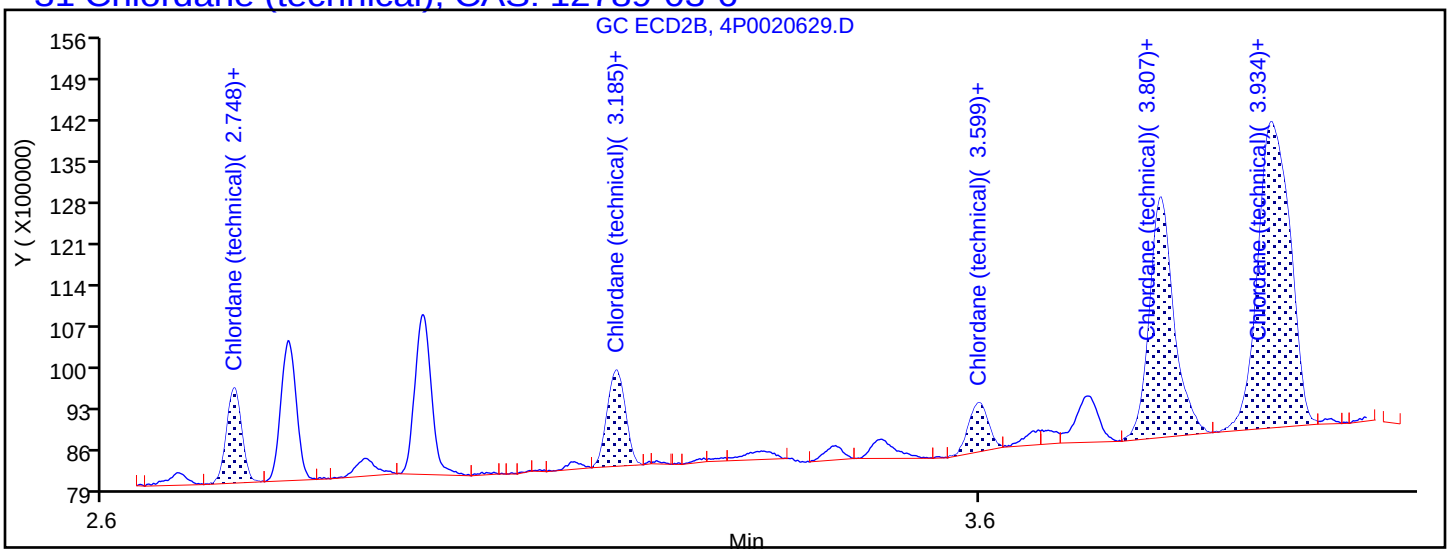
Operator ID: ALS Bottle#: 11 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

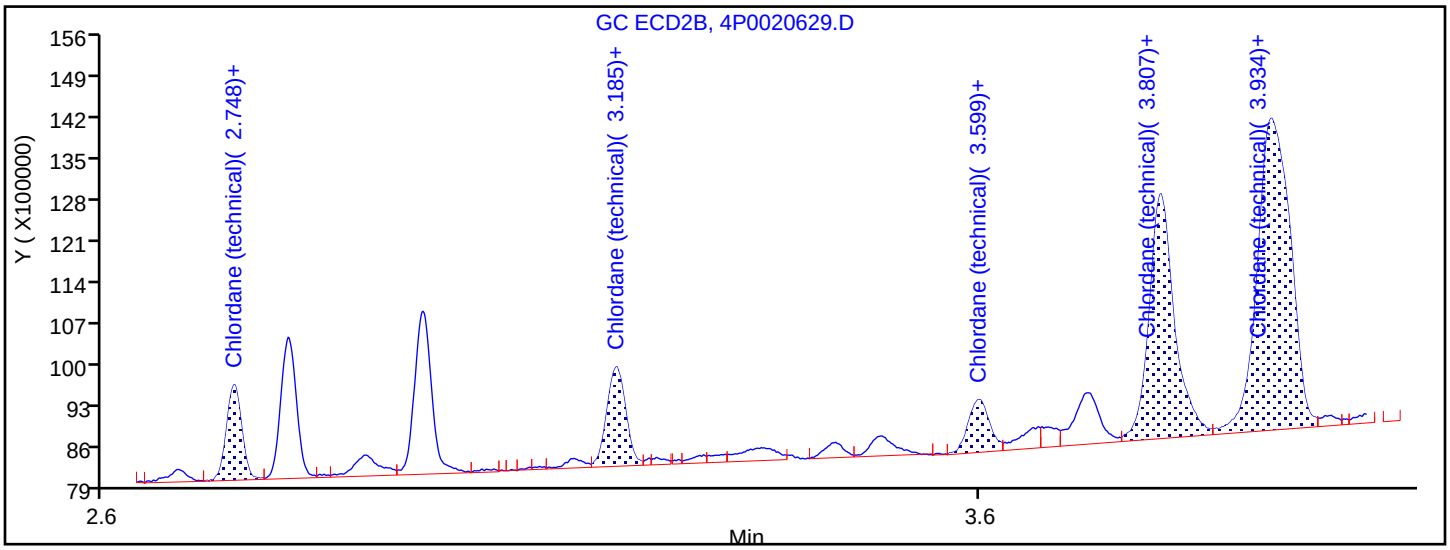
Column: Detector GC ECD2B

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

2.748	Response = 1938180
3.185	Response = 2334624
3.599	Response = 1300584
3.807	Response = 7888841
3.934	Response = 13241164



Manual Integration Results

2.748	Response = 1969002	M
3.185	Response = 2533271	M
3.599	Response = 1519308	M
3.807	Response = 8357500	M
3.934	Response = 13918008	M

Reviewer: patelji, 28-Aug-2019 08:58:38

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

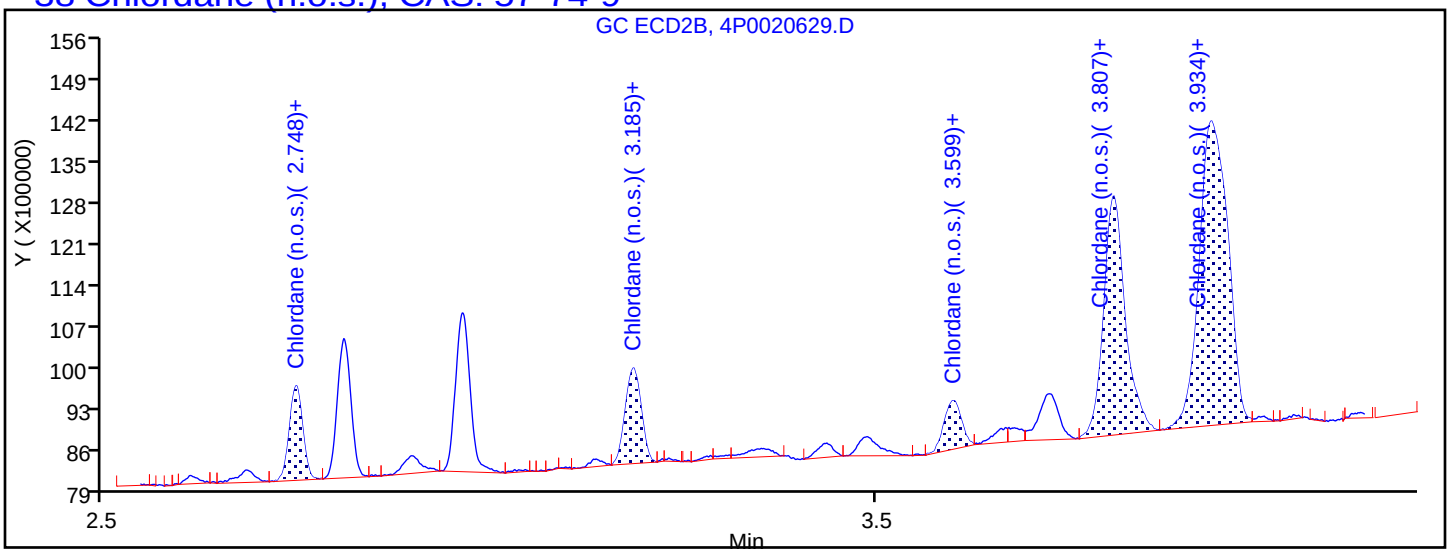
Report Date: 28-Aug-2019 09:24:12 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020629.D

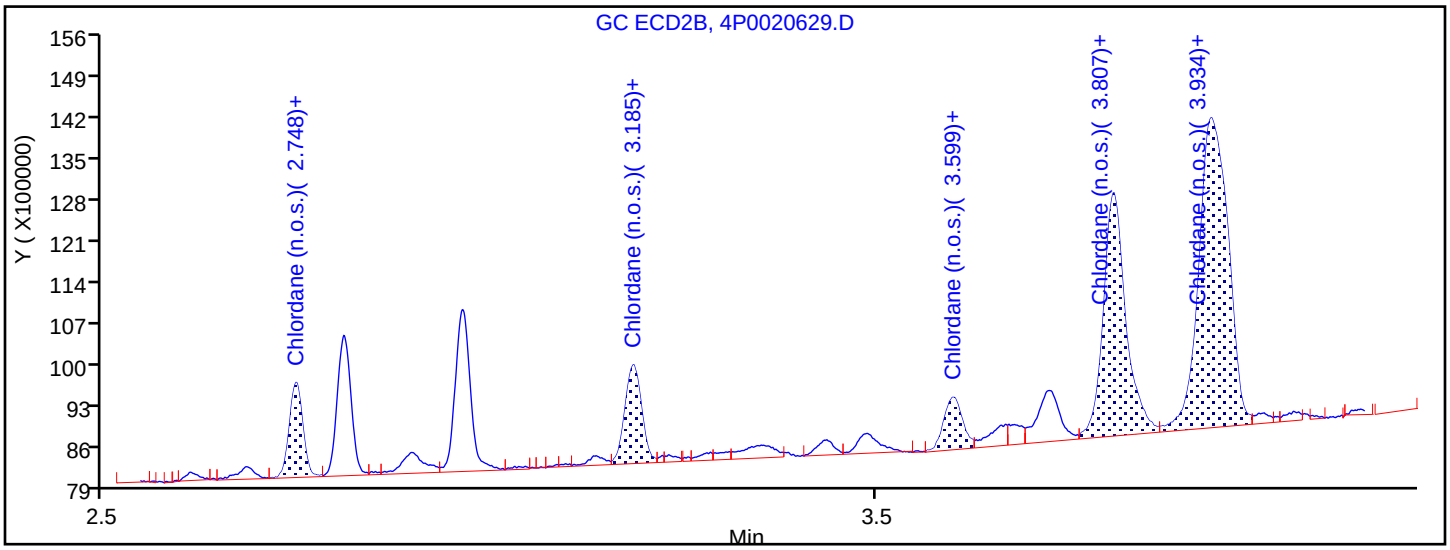
Injection Date:	26-Aug-2019 15:29:05	Instrument ID:	CPESTGC4		
Lims ID:	IC CHLOL1				
Client ID:					
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

2.748	Response = 1938180
3.185	Response = 2334624
3.599	Response = 1300584
3.807	Response = 7888841
3.934	Response = 13241164



Manual Integration Results

2.748	Response = 1969002	M
3.185	Response = 2533271	M
3.599	Response = 1519308	M
3.807	Response = 8357500	M
3.934	Response = 13918008	M

Reviewer: patelji, 28-Aug-2019 08:58:38

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D
Lims ID: IC CHLOL2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Aug-2019 15:44:29 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-011
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:14 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	59976819	100.0	100.0	
2	1.543	1.541	0.002	98797718	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.410	3.408	0.002	15820922	500.0	511.1	
1	4.119	4.118	0.001	16587456	500.0	508.8	M
1	4.858	4.858	0.000	55961150	500.0	475.7	M
1	4.952	4.952	0.000	63094340	500.0	494.2	M
1	5.006	5.007	-0.001	43462873	500.0	488.8	M
		Average of Peak Amounts =				495.7	
2	2.748	2.747	0.001	20937532	500.0	506.3	M
2	3.185	3.183	0.002	25570270	500.0	507.6	M
2	3.599	3.598	0.001	15514525	500.0	487.7	M
2	3.808	3.806	0.002	86987182	500.0	504.1	M
2	3.934	3.933	0.001	148561632	500.0	508.5	M
		Average of Peak Amounts =				502.8	
						RPD = 1.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.410	3.408	0.002	15820922	500.0	511.1	
1	4.119	4.118	0.001	16587456	500.0	508.8	M
1	4.858	4.858	0.000	55961150	500.0	475.7	M
1	4.952	4.952	0.000	63094340	500.0	494.2	M
1	5.006	5.007	-0.001	43462873	500.0	488.8	M
		Average of Peak Amounts =				495.7	
2	2.748	2.747	0.001	20937532	500.0	506.3	M
2	3.185	3.183	0.002	25570270	500.0	507.6	M
2	3.599	3.598	0.001	15514525	500.0	487.7	M
2	3.808	3.806	0.002	86987182	500.0	504.1	M
2	3.934	3.933	0.001	148561632	500.0	508.5	M
		Average of Peak Amounts =				502.8	
						RPD = 1.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

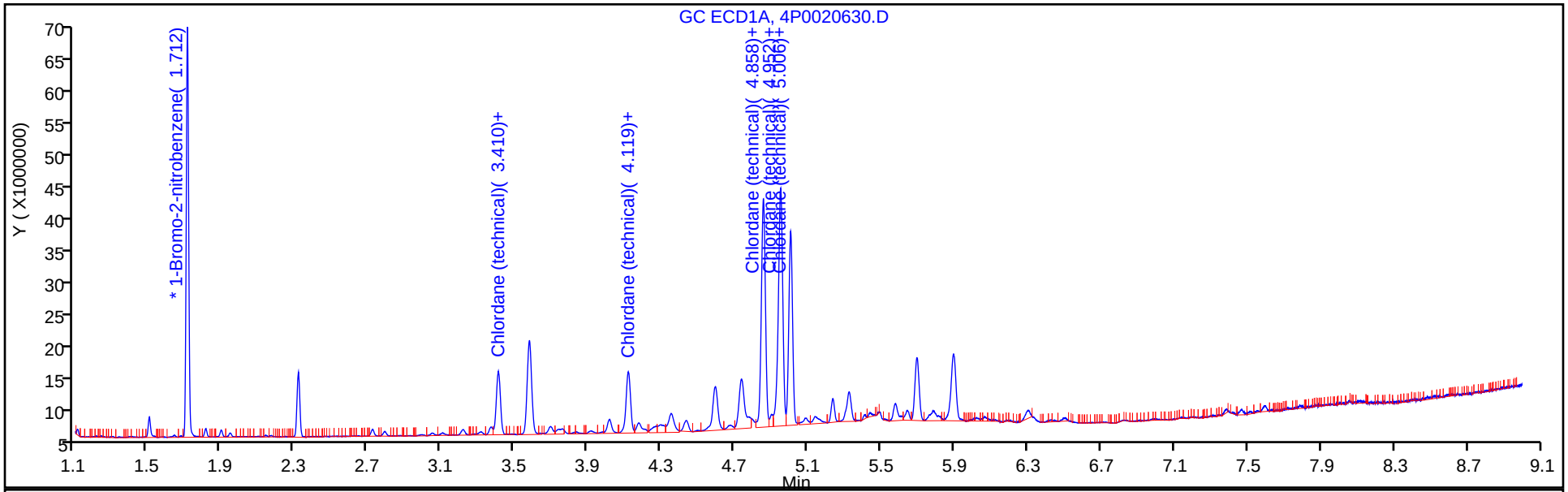
SGCHLORDANEL3_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

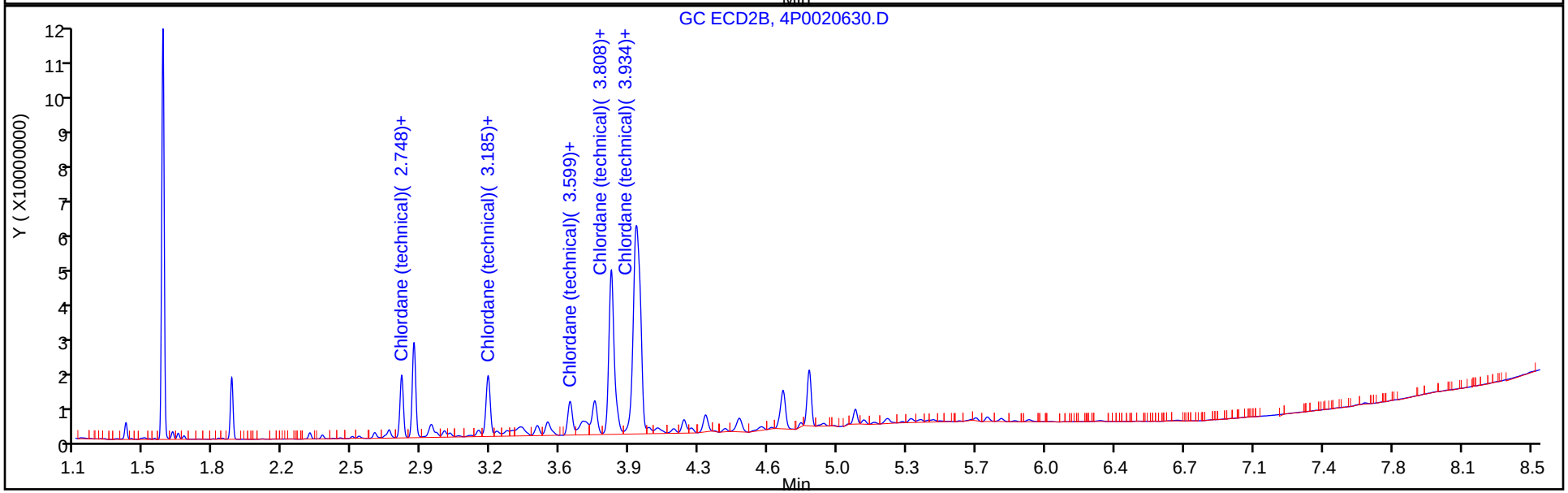
Report Date: 28-Aug-2019 09:24:15 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D

Injection Date:	26-Aug-2019 15:44:29	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL2			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





Report Date: 28-Aug-2019 09:24:15 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D

Injection Date: 26-Aug-2019 15:44:29 Instrument ID: CPESTGC4

Lims ID: IC CHLOL2

Client ID:

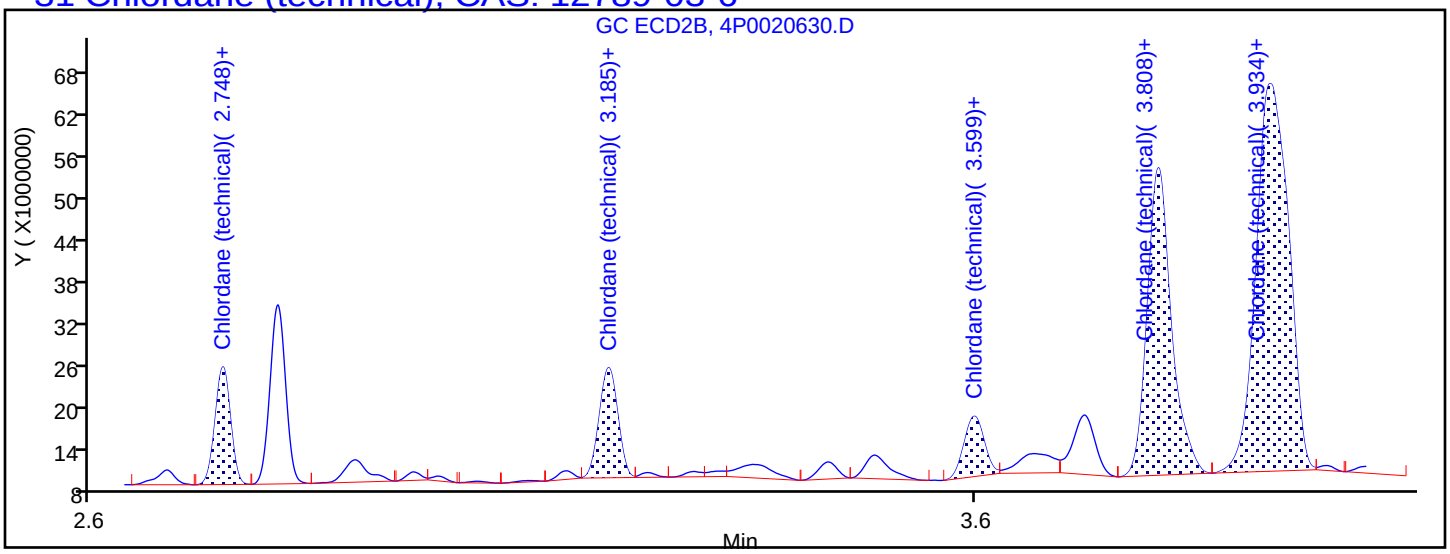
Operator ID: ALS Bottle#: 12 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

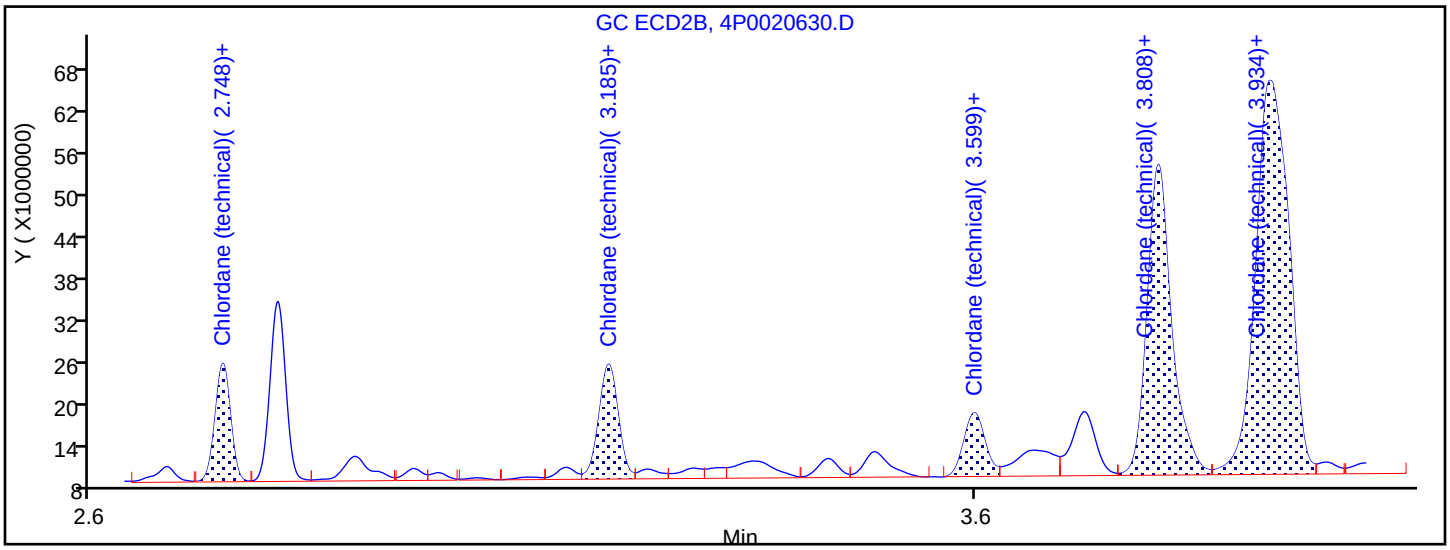
Column: Detector GC ECD2B

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

2.748	Response = 20541695
3.185	Response = 23081127
3.599	Response = 13857678
3.808	Response = 83739275
3.934	Response = 142080310



Manual Integration Results

2.748	Response = 20937532	M
3.185	Response = 25570270	M
3.599	Response = 15514525	M
3.808	Response = 86987182	M
3.934	Response = 148561632	M

Reviewer: patelji, 28-Aug-2019 08:58:59

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 28-Aug-2019 09:24:15 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020630.D

Injection Date: 26-Aug-2019 15:44:29 Instrument ID: CPESTGC4

Lims ID: IC CHLOL2

Client ID:

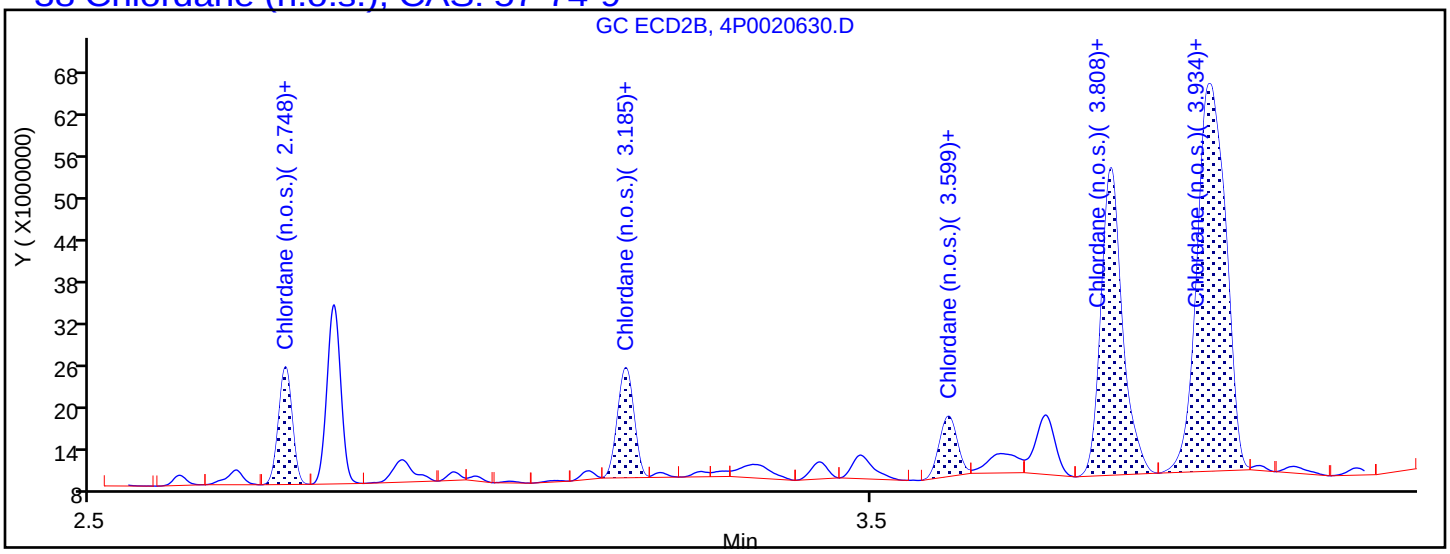
Operator ID: ALS Bottle#: 12 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

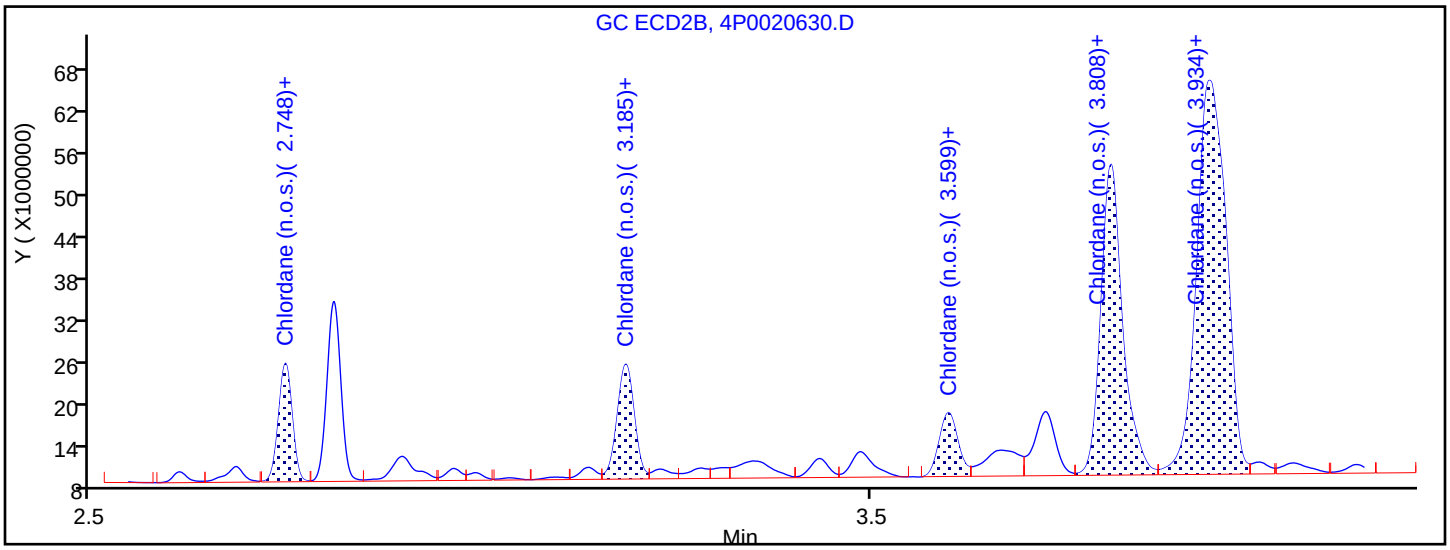
Column: Detector GC ECD2B

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

2.748	Response = 20541695
3.185	Response = 23081127
3.599	Response = 13857678
3.808	Response = 83739275
3.934	Response = 142080310



Manual Integration Results

2.748	Response = 20937532	M
3.185	Response = 25570270	M
3.599	Response = 15514525	M
3.808	Response = 86987182	M
3.934	Response = 148561632	M

Reviewer: patelji, 28-Aug-2019 08:58:59

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D
Lims ID: IC CHLOL3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 26-Aug-2019 16:00:22 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-012
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:18 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:12:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.711	1.711	0.000	52395007	100.0	100.0	
2	1.541	1.541	0.000	88384993	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.408	3.408	0.000	25260807	1000.0	934.2	M
1	4.118	4.118	0.000	26047689	1000.0	914.7	M
1	4.858	4.858	0.000	89888194	1000.0	874.6	M
1	4.952	4.952	0.000	101306491	1000.0	908.4	M
1	5.007	5.007	0.000	70803666	1000.0	911.4	M
		Average of Peak Amounts =				908.7	
2	2.747	2.747	0.000	34338168	1000.0	928.1	M
2	3.183	3.183	0.000	42308903	1000.0	938.9	M
2	3.598	3.598	0.000	26541122	1000.0	932.6	M
2	3.806	3.806	0.000	142121758	1000.0	920.7	M
2	3.933	3.933	0.000	241757033	1000.0	925.0	M
		Average of Peak Amounts =				929.1	
						RPD = 2.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.408	3.408	0.000	25260807	1000.0	934.2	M
1	4.118	4.118	0.000	26047689	1000.0	914.7	M
1	4.858	4.858	0.000	89888194	1000.0	874.6	M
1	4.952	4.952	0.000	101306491	1000.0	908.4	M
1	5.007	5.007	0.000	70803666	1000.0	911.4	M
		Average of Peak Amounts =				908.7	
2	2.747	2.747	0.000	34338168	1000.0	928.1	M
2	3.183	3.183	0.000	42308903	1000.0	938.9	M
2	3.598	3.598	0.000	26541122	1000.0	932.6	M
2	3.806	3.806	0.000	142121758	1000.0	920.7	M
2	3.933	3.933	0.000	241757033	1000.0	925.0	M
		Average of Peak Amounts =				929.1	
						RPD = 2.22	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

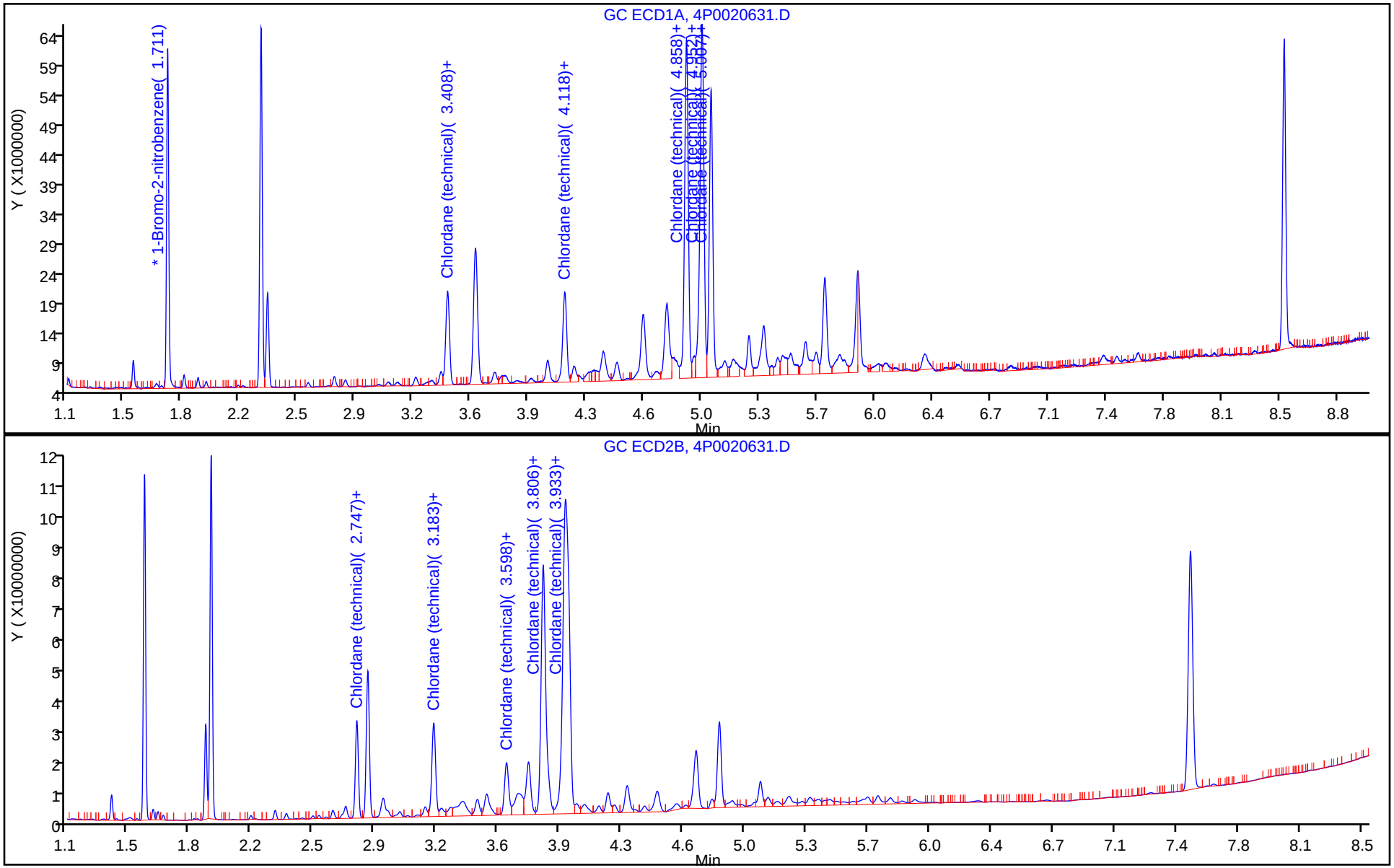
SGCHLORDANEL4_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:24:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D

Injection Date:	26-Aug-2019 16:00:22	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL3			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



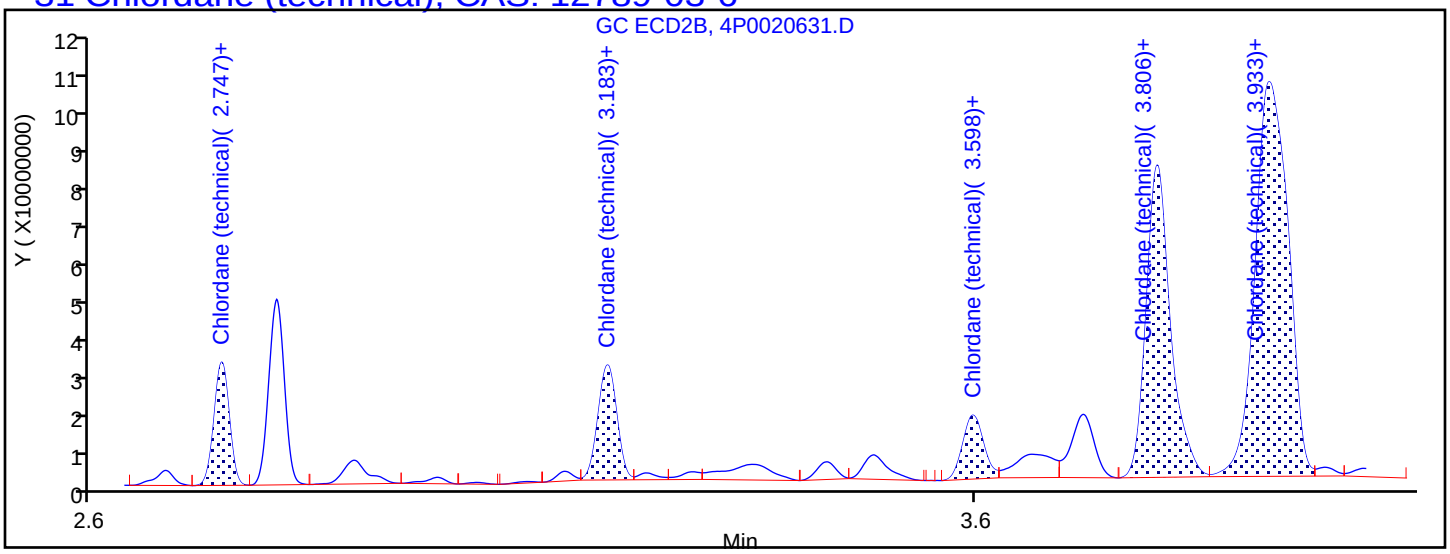
Report Date: 28-Aug-2019 09:24:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D

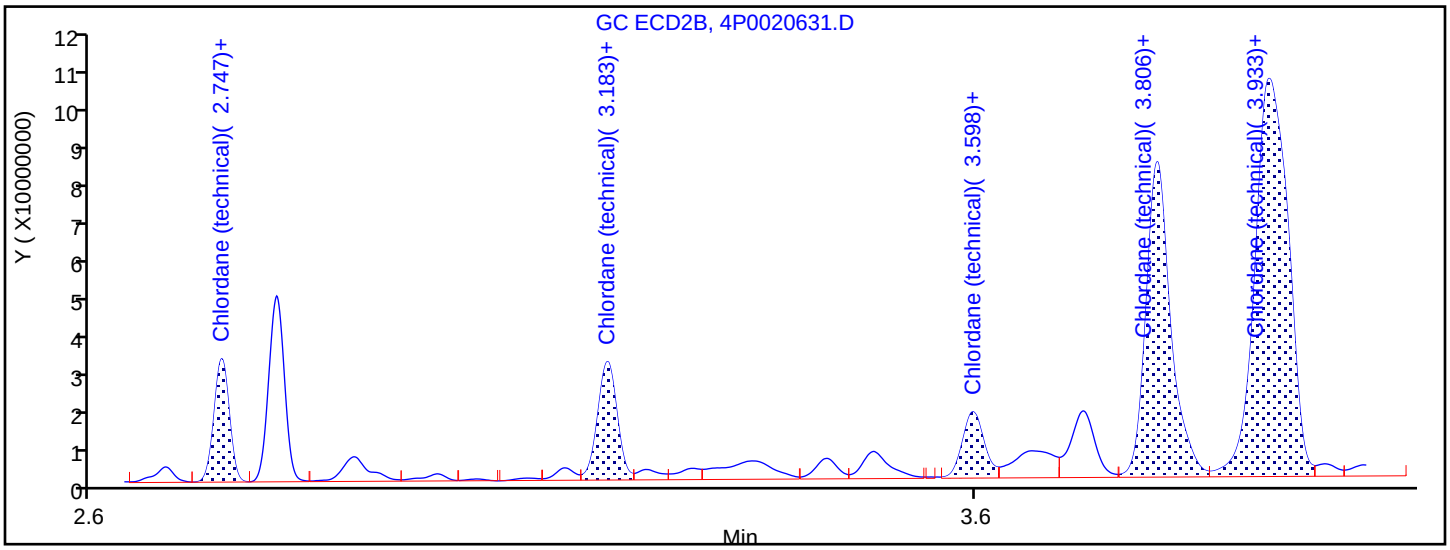
Injection Date:	26-Aug-2019 16:00:22	Instrument ID:	CPESTGC4		
Lims ID:	IC CHLOL3				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

31 Chlordane (technical), CAS: 12789-03-6



Processing Integration Results

2.747	Response = 34188613
3.183	Response = 39343309
3.598	Response = 24413304
3.806	Response = 137482182
3.933	Response = 235774395



Manual Integration Results

2.747	Response = 34338168	M
3.183	Response = 42308903	M
3.598	Response = 26541122	M
3.806	Response = 142121758	M
3.933	Response = 241757033	M

Reviewer: patelji, 28-Aug-2019 08:59:20

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

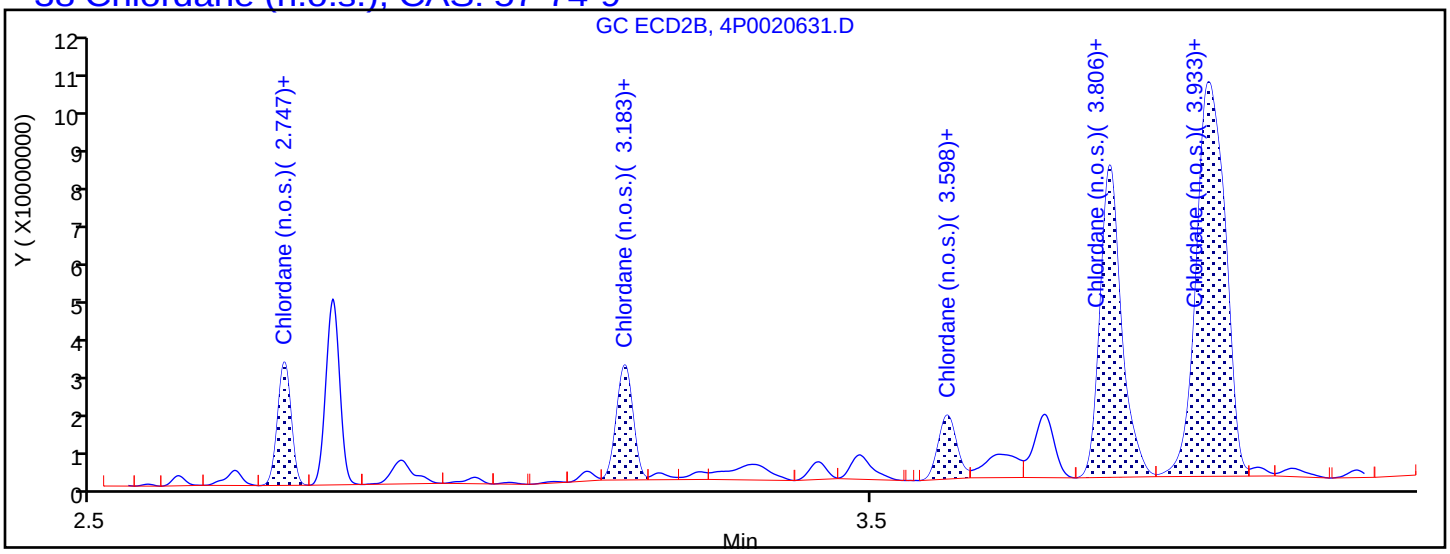
Report Date: 28-Aug-2019 09:24:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020631.D

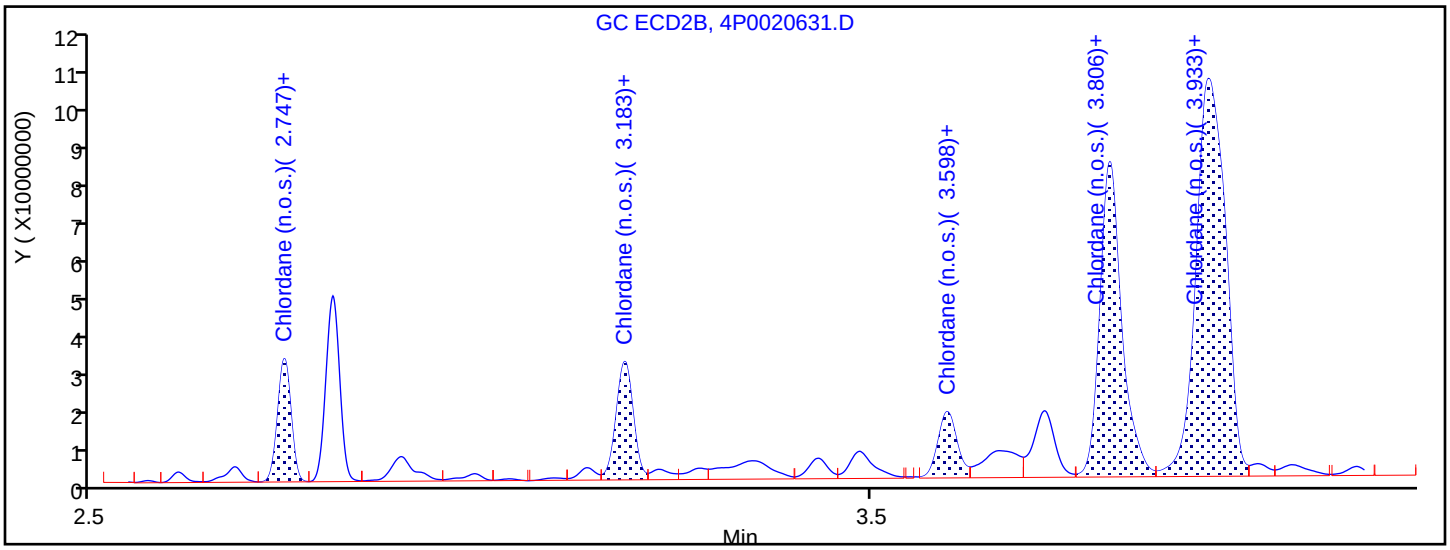
Injection Date:	26-Aug-2019 16:00:22	Instrument ID:	CPESTGC4		
Lims ID:	IC CHLOL3				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD2B		

38 Chlordane (n.o.s.), CAS: 57-74-9



Processing Integration Results

2.747	Response = 34188613
3.183	Response = 39343309
3.598	Response = 24413304
3.806	Response = 137482182
3.933	Response = 235774395



Manual Integration Results

2.747	Response = 34338168	M
3.183	Response = 42308903	M
3.598	Response = 26541122	M
3.806	Response = 142121758	M
3.933	Response = 241757033	M

Reviewer: patelji, 28-Aug-2019 08:59:20

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020632.D
Lims ID: IC CHLOL4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Aug-2019 16:16:15 ALS Bottle#: 14 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-013
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:22 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	54914679	100.0	100.0	
2	1.542	1.541	0.001	91410684	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.410	3.408	0.002	44276115	1500.0	1562.3	M
1	4.122	4.118	0.004	47394086	1500.0	1587.9	M
1	4.859	4.858	0.001	167200616	1500.0	1552.2	M
1	4.953	4.952	0.001	188630031	1500.0	1613.7	M
1	5.008	5.007	0.001	131703189	1500.0	1617.6	M
		Average of Peak Amounts =				1586.7	
2	2.748	2.747	0.001	63076973	1500.0	1648.4	
2	3.185	3.183	0.002	74598106	1500.0	1600.6	
2	3.600	3.598	0.002	48446077	1500.0	1646.0	
2	3.808	3.806	0.002	260480985	1500.0	1631.5	
2	3.934	3.933	0.001	443983136	1500.0	1642.6	
		Average of Peak Amounts =				1633.8	
						RPD = 2.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.410	3.408	0.002	44276115	1500.0	1562.3	M
1	4.122	4.118	0.004	47394086	1500.0	1587.9	M
1	4.859	4.858	0.001	167200616	1500.0	1552.2	M
1	4.953	4.952	0.001	188630031	1500.0	1613.7	M
1	5.008	5.007	0.001	131703189	1500.0	1617.6	M
		Average of Peak Amounts =				1586.7	
2	2.748	2.747	0.001	63076973	1500.0	1648.4	
2	3.185	3.183	0.002	74598106	1500.0	1600.6	
2	3.600	3.598	0.002	48446077	1500.0	1646.0	
2	3.808	3.806	0.002	260480985	1500.0	1631.5	
2	3.934	3.933	0.001	443983136	1500.0	1642.6	
		Average of Peak Amounts =				1633.8	
						RPD = 2.92	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

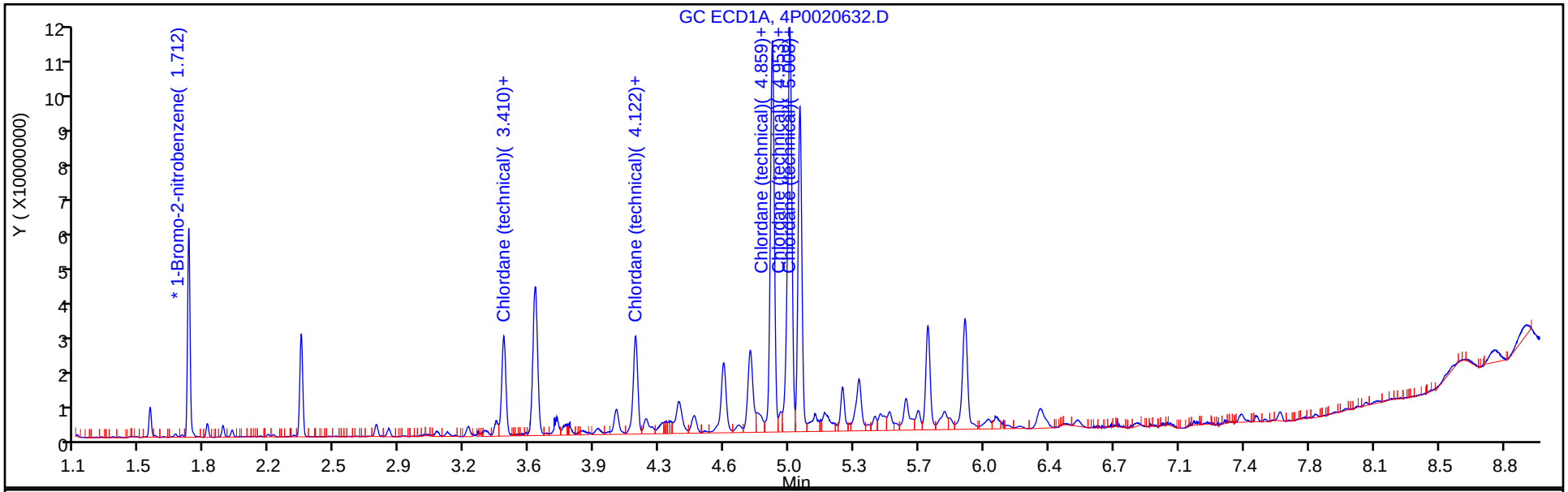
SGCHLORDANEL5_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

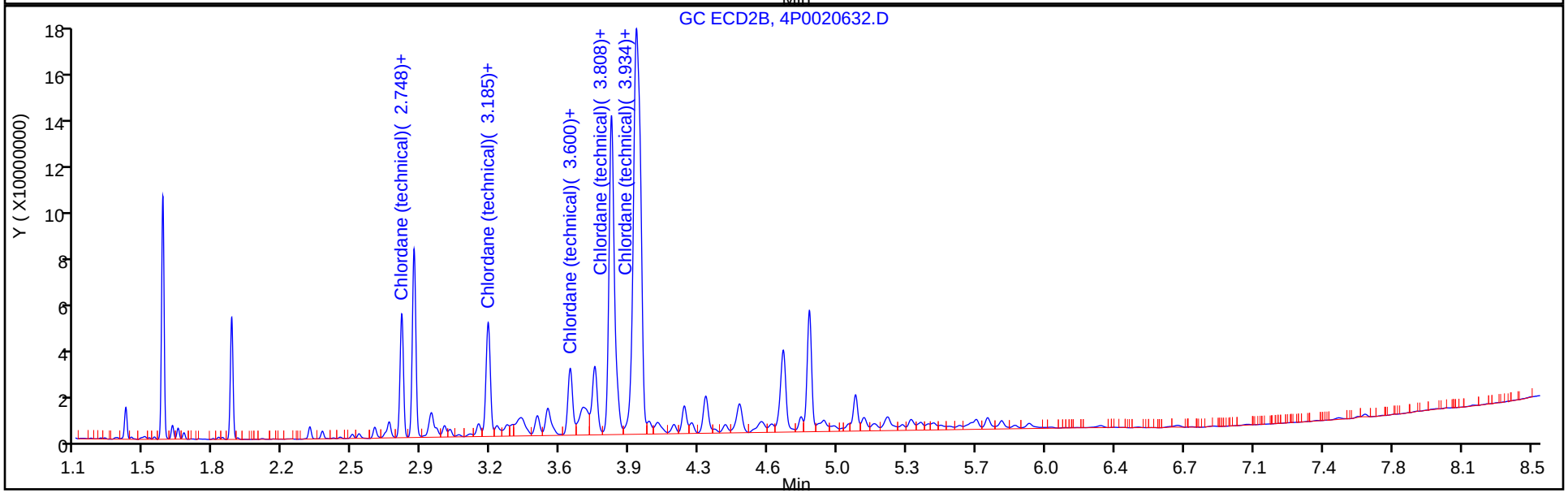
Report Date: 28-Aug-2019 09:24:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020632.D

Injection Date:	26-Aug-2019 16:16:15	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL4			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020633.D
Lims ID: IC CHLOL5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Aug-2019 16:31:40 ALS Bottle#: 15 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-014
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub24

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:26 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:16:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.712	1.711	0.001	54517980	100.0	100.0	
2	1.542	1.541	0.001	89175597	100.0	100.0	
						RPD = 0.00	
31 Chlordane (technical)							M
1	3.411	3.408	0.003	65808052	2500.0	2338.9	M
1	4.123	4.118	0.005	71578252	2500.0	2415.6	M
1	4.858	4.858	0.000	258216129	2500.0	2414.6	M
1	4.953	4.952	0.001	290936909	2500.0	2507.1	M
1	5.007	5.007	0.000	199862740	2500.0	2472.6	M
		Average of Peak Amounts =				2429.8	
2	2.749	2.747	0.002	95796355	2500.0	2566.3	
2	3.186	3.183	0.003	112797082	2500.0	2480.9	
2	3.600	3.598	0.002	75925191	2500.0	2644.3	
2	3.808	3.806	0.002	402381352	2500.0	2583.5	
2	3.935	3.933	0.002	677838648	2500.0	2570.7	
		Average of Peak Amounts =				2569.1	
						RPD = 5.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Chlordane (n.o.s.)							M
1	3.411	3.408	0.003	65808052	2500.0	2338.9	M
1	4.123	4.118	0.005	71578252	2500.0	2415.6	M
1	4.858	4.858	0.000	258216129	2500.0	2414.6	M
1	4.953	4.952	0.001	290936909	2500.0	2507.1	M
1	5.007	5.007	0.000	199862740	2500.0	2472.6	M
		Average of Peak Amounts =				2429.8	
2	2.749	2.747	0.002	95796355	2500.0	2566.3	
2	3.186	3.183	0.003	112797082	2500.0	2480.9	
2	3.600	3.598	0.002	75925191	2500.0	2644.3	
2	3.808	3.806	0.002	402381352	2500.0	2583.5	
2	3.935	3.933	0.002	677838648	2500.0	2570.7	
		Average of Peak Amounts =				2569.1	
						RPD = 5.58	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

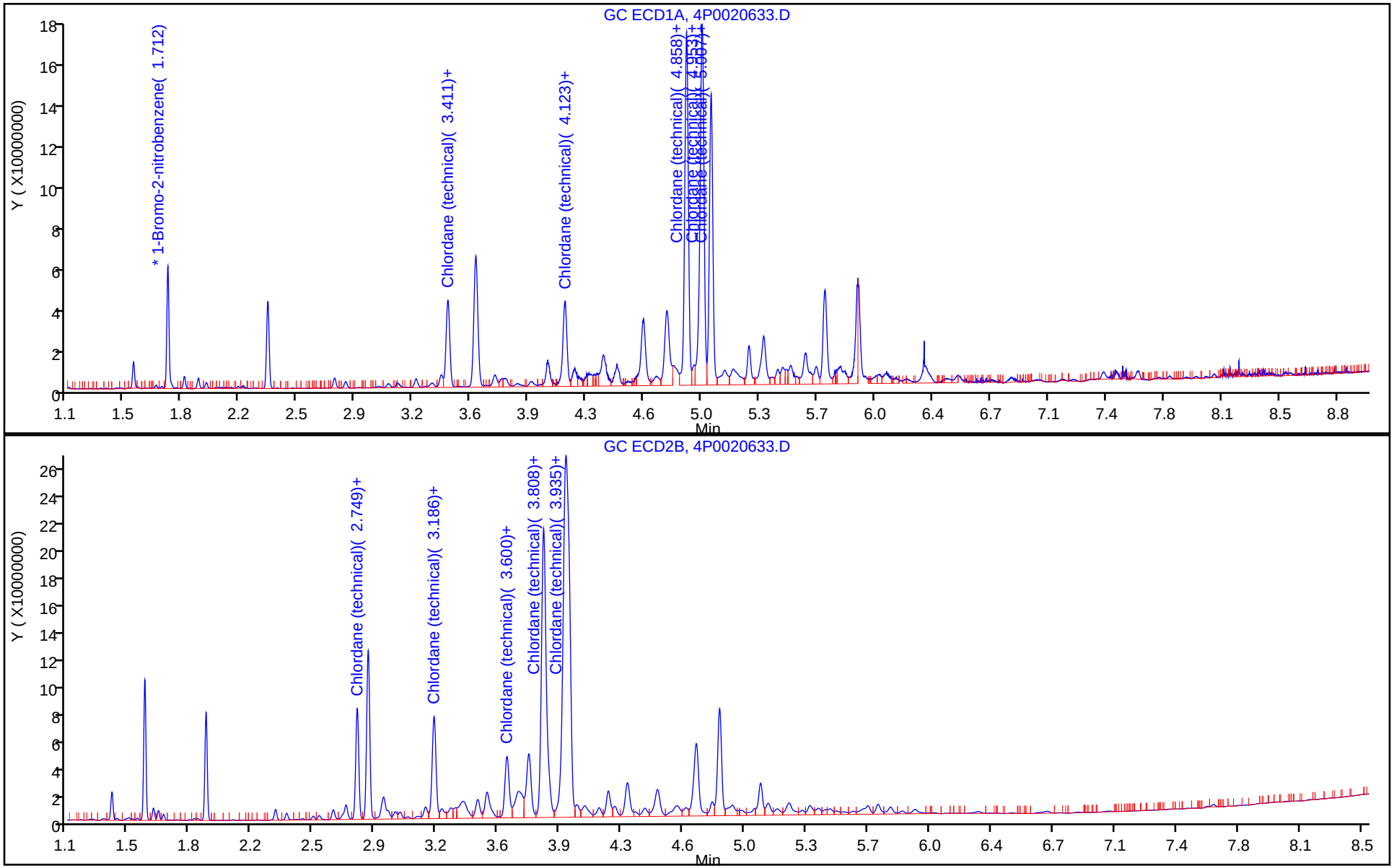
SGCHLORDANEL6_00003	Amount Added: 1.00	Units: mL	
SGPESTISTD_00010	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 09:24:26 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020633.D

Injection Date:	26-Aug-2019 16:31:40	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC CHLOL5			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 17:02 Calibration End Date: 08/26/2019 18:04 Calibration ID: 76342

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/16	4P0020635.D
Level 2	IC 460-635023/17	4P0020636.D
Level 3	IC 460-635023/18	4P0020637.D
Level 4	IC 460-635023/19	4P0020638.D
Level 5	IC 460-635023/20	4P0020639.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								
Toxaphene Peak 1	0.0442	0.0488	0.0372	0.0522	0.0450	Ave		0.0455				12.3		20.0			
Toxaphene Peak 2	0.0647	0.0639	0.0496	0.0721	0.0632	Ave		0.0627				13.0		20.0			
Toxaphene Peak 3	0.1078	0.1156	0.0851	0.1251	0.1130	Ave		0.1093				13.7		20.0			
Toxaphene Peak 4	0.0720	0.0621	0.0487	0.0745	0.0705	Ave		0.0656				16.0		20.0			
Toxaphene Peak 5	0.0521	0.0593	0.0474	0.0717	0.0652	Ave		0.0591				16.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 17:02 Calibration End Date: 08/26/2019 18:04 Calibration ID: 76342

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/16	4P0020635.D
Level 2	IC 460-635023/17	4P0020636.D
Level 3	IC 460-635023/18	4P0020637.D
Level 4	IC 460-635023/19	4P0020638.D
Level 5	IC 460-635023/20	4P0020639.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	1343812	14308809	19671934	43733096	60758393	50.0	500	1000	1500	2500
Toxaphene Peak 2	BNB	Ave	1966907	18735744	26227030	60439142	85310738	50.0	500	1000	1500	2500
Toxaphene Peak 3	BNB	Ave	3276261	33872757	44960473	104893917	152449239	50.0	500	1000	1500	2500
Toxaphene Peak 4	BNB	Ave	2187624	18188100	25748541	62453708	95124239	50.0	500	1000	1500	2500
Toxaphene Peak 5	BNB	Ave	1584185	17371587	25080899	60116577	87922331	50.0	500	1000	1500	2500

Curve Type Legend:
Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020635.D
Lims ID: IC TOXL1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Aug-2019 17:02:37 ALS Bottle#: 17 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-016
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:34 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:17:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.711	1.711	0.000	60771230	100.0	100.0	
2	1.542	1.541	0.001	104085801	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.304	5.305	-0.001	1343812	50.0	48.6	M
1	5.827	5.831	-0.004	1966907	50.0	51.6	M
1	5.940	5.946	-0.006	3276261	50.0	49.3	M
1	6.290	6.294	-0.004	2187624	50.0	54.9	M
1	7.091	7.088	0.003	1584185	50.0	44.1	M
		Average of Peak Amounts =				49.7	
2	4.870	4.873	-0.003	4123859	50.0	53.1	M
2	4.989	4.988	0.001	5176652	50.0	48.8	M
2	5.189	5.191	-0.002	3973738	50.0	58.7	M
2	5.376	5.375	0.001	4183994	50.0	59.1	M
2	5.562	5.566	-0.004	4158190	50.0	56.7	M
		Average of Peak Amounts =				55.3	
						RPD = 10.63	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

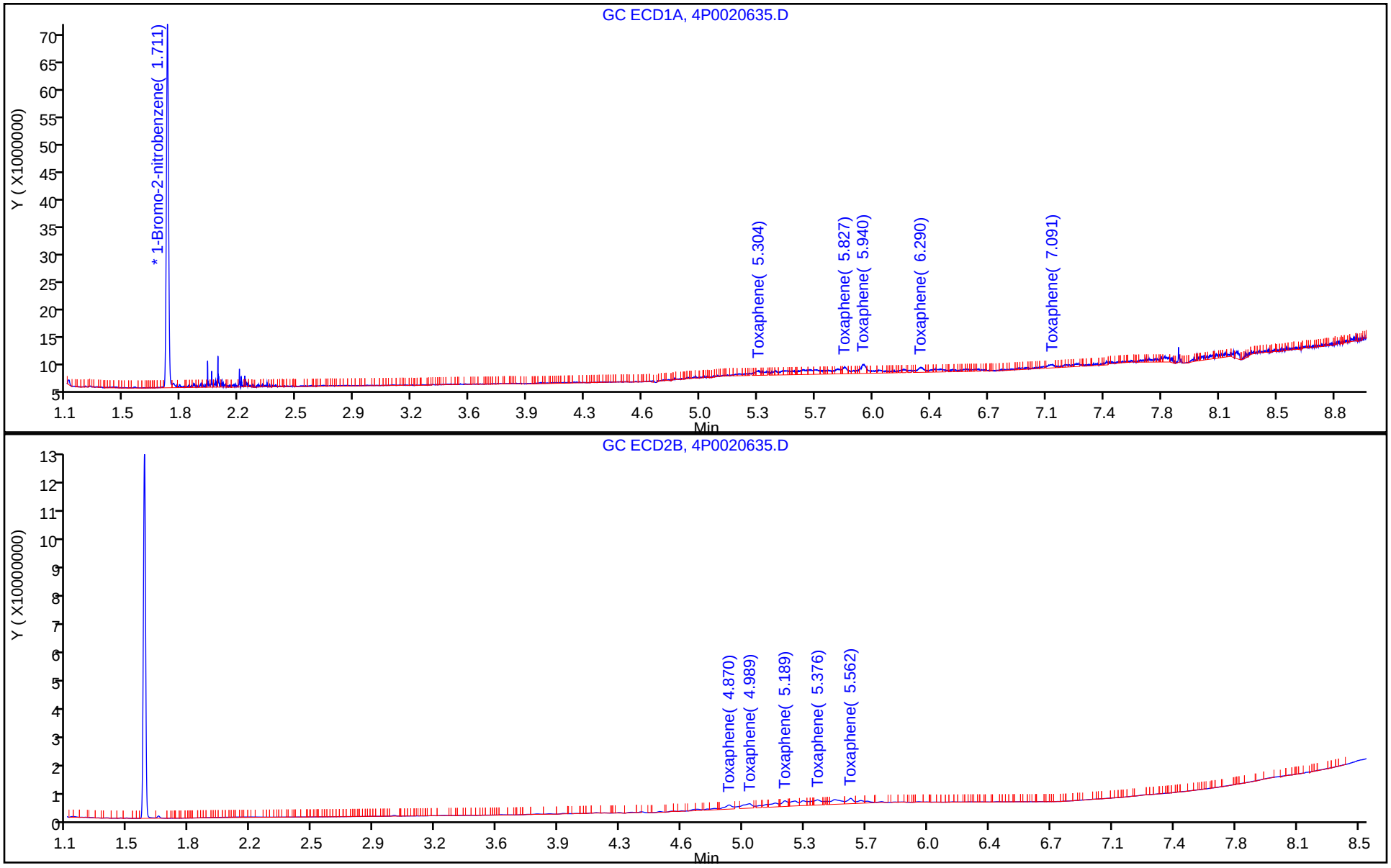
SGTOXAPHENEL1_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020635.D

Injection Date:	26-Aug-2019 17:02:37	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL1			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



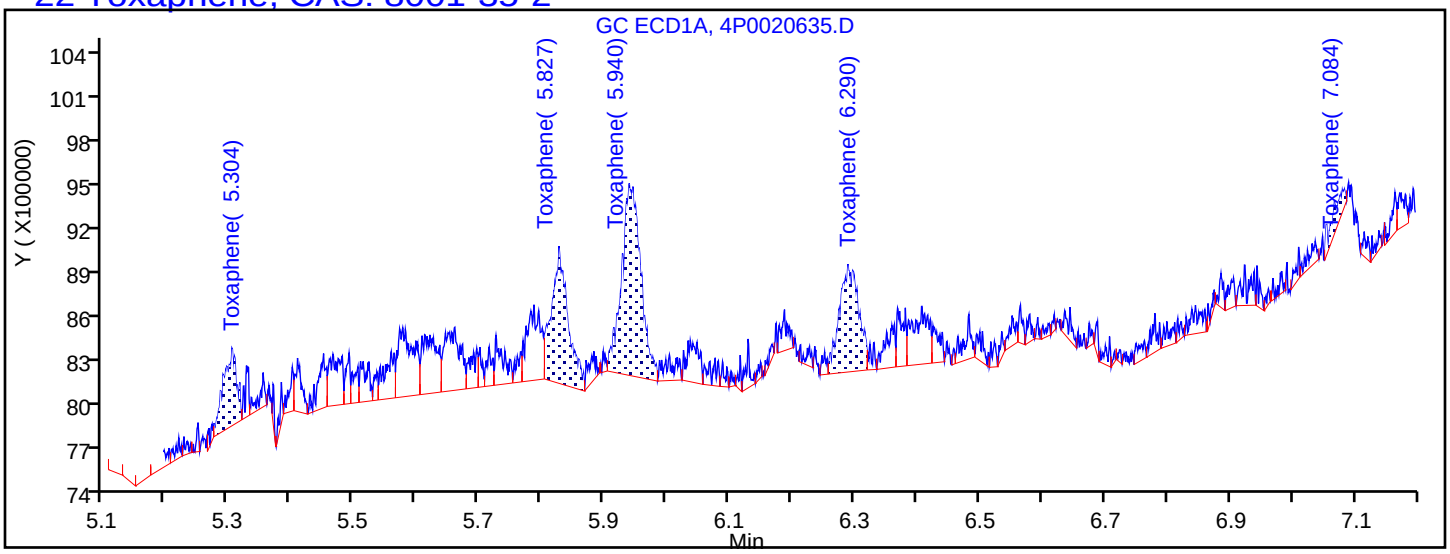
Report Date: 28-Aug-2019 09:24:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020635.D

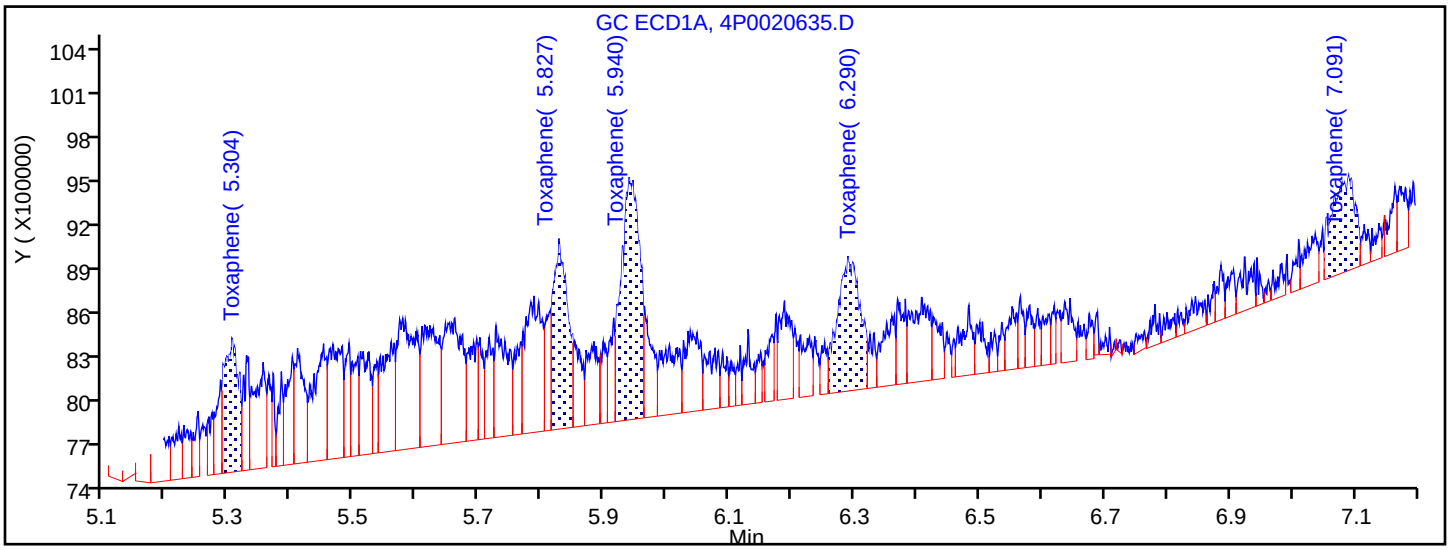
Injection Date:	26-Aug-2019 17:02:37	Instrument ID:	CPESTGC4		
Lims ID:	IC TOXL1				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.304	Response = 718378
5.827	Response = 1594386
5.940	Response = 2634540
6.290	Response = 1450303
7.084	Response = 251649



Manual Integration Results

5.304	Response = 1343812	M
5.827	Response = 1966907	M
5.940	Response = 3276261	M
6.290	Response = 2187624	M
7.091	Response = 1584185	M

Reviewer: patelji, 28-Aug-2019 09:03:13

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020636.D
Lims ID: IC TOXL2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Aug-2019 17:18:01 ALS Bottle#: 18 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-017
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:38 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 09:01:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.713	1.711	0.002	58615721	100.0	100.0	
2	1.543	1.541	0.002	97444828	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.302	5.305	-0.003	14308809	500.0	536.6	M
1	5.829	5.831	-0.002	18735744	500.0	509.6	M
1	5.944	5.946	-0.002	33872757	500.0	528.6	M
1	6.292	6.294	-0.002	18188100	500.0	473.3	M
1	7.087	7.088	-0.001	17371587	500.0	501.0	M
		Average of Peak Amounts =				509.8	
2	4.872	4.873	-0.001	34979056	500.0	481.4	
2	4.987	4.988	-0.001	48633143	500.0	489.2	M
2	5.190	5.191	-0.001	29884179	500.0	471.2	
2	5.375	5.375	0.000	31390010	500.0	473.9	
2	5.566	5.566	0.000	32905447	500.0	479.4	
		Average of Peak Amounts =				479.0	
						RPD = 6.23	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

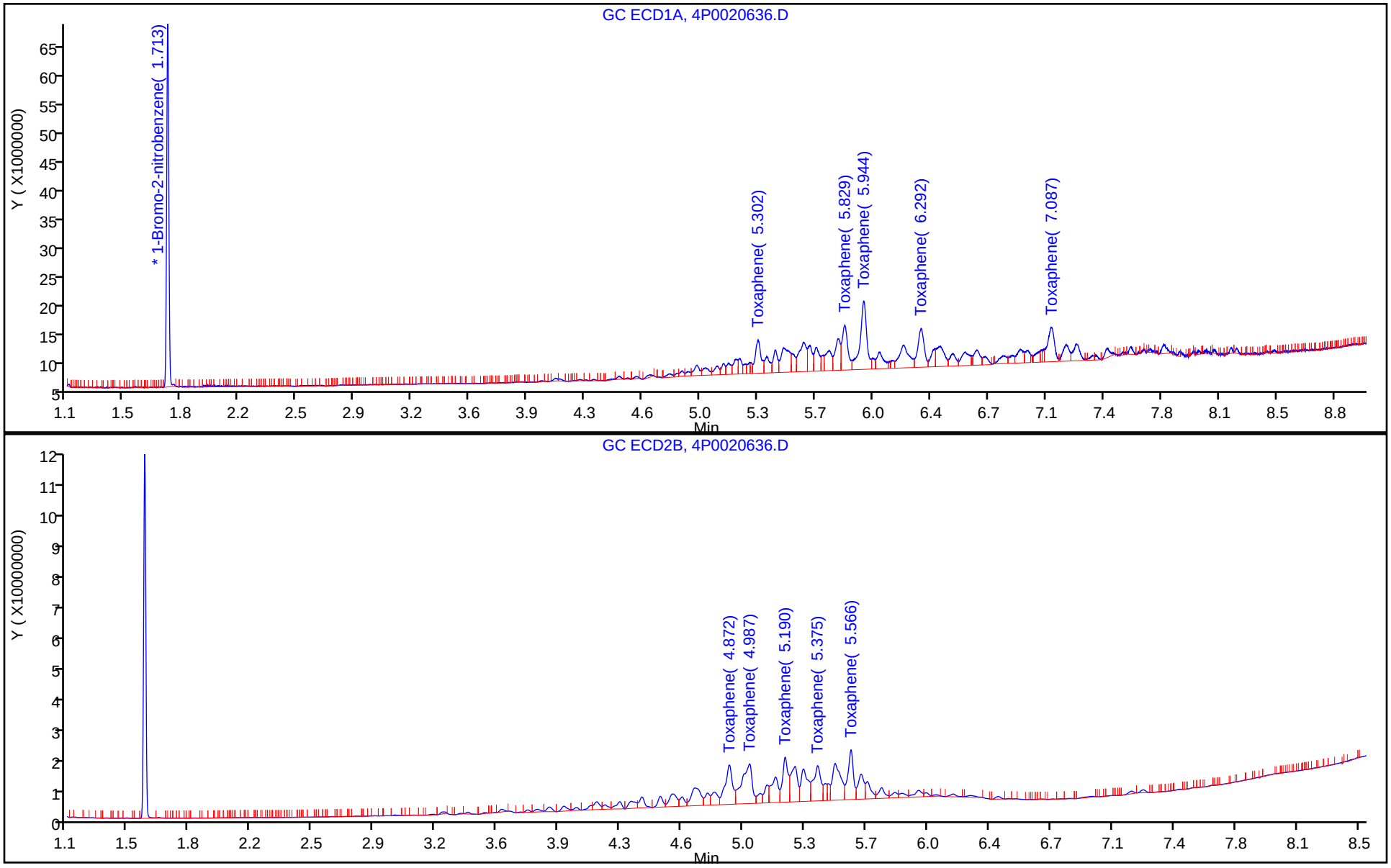
SGTOXAPHENEL3_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020636.D

Injection Date:	26-Aug-2019 17:18:01	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020636.D

Injection Date: 26-Aug-2019 17:18:01 Instrument ID: CPESTGC4

Lims ID: IC TOXL2

Client ID:

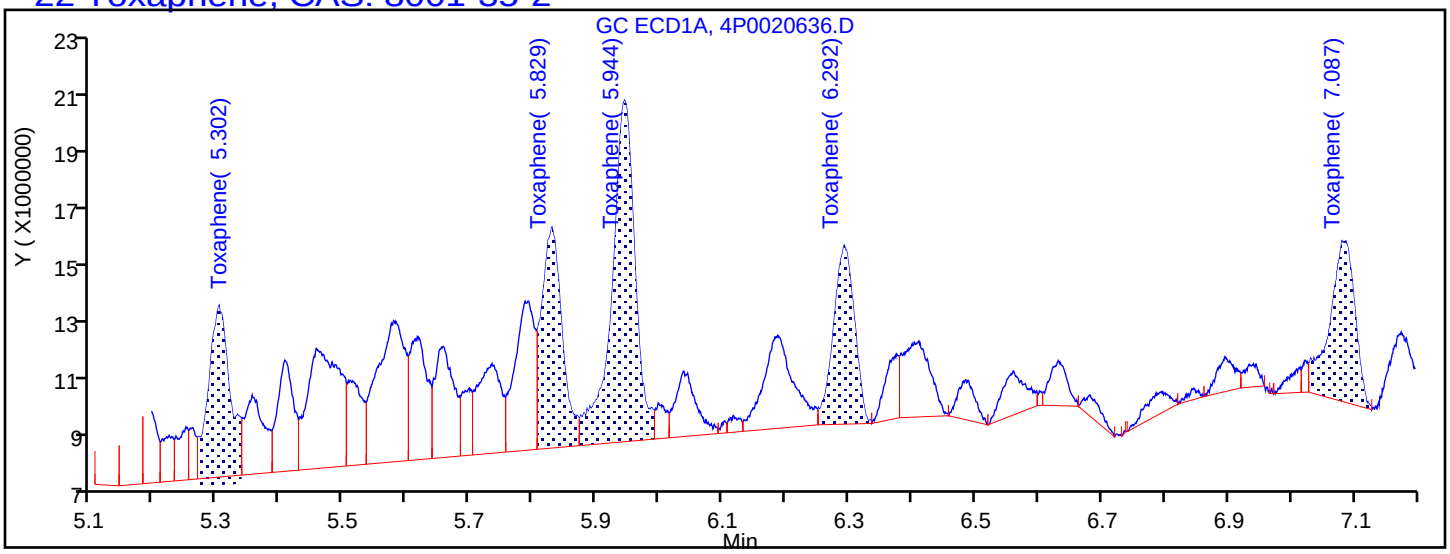
Operator ID: ALS Bottle#: 18 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

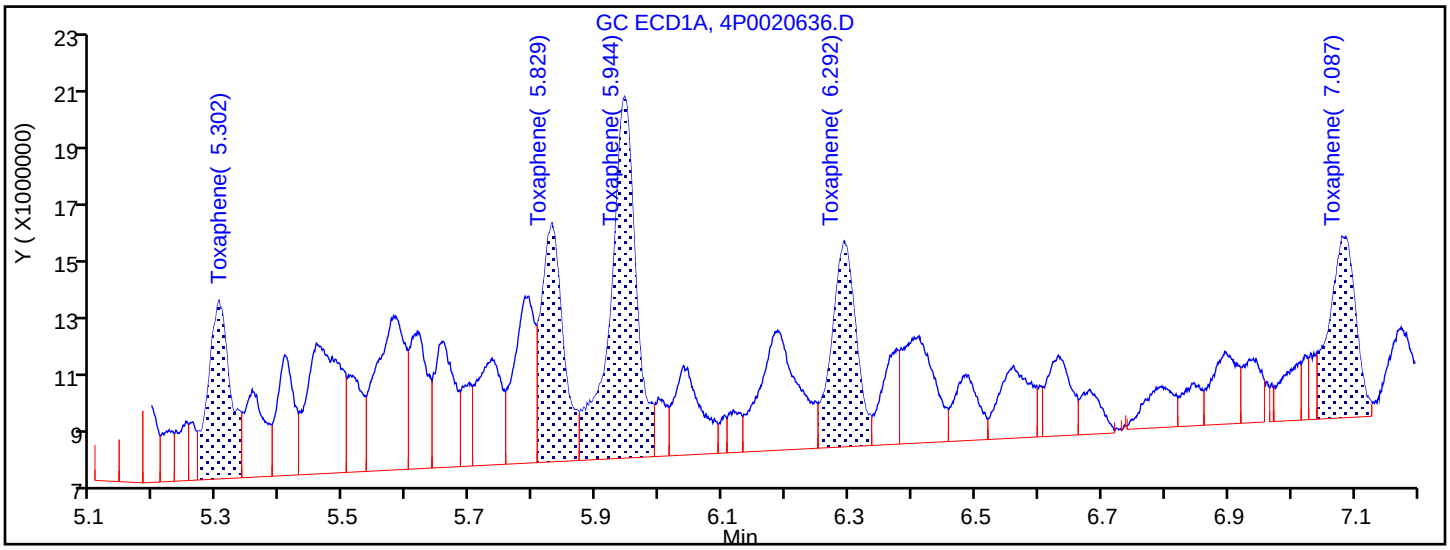
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.302	Response = 13213749
5.829	Response = 16117582
5.944	Response = 28705281
6.292	Response = 13427760
7.087	Response = 14584436



Manual Integration Results

5.302	Response = 14308809	M
5.829	Response = 18735744	M
5.944	Response = 33872757	M
6.292	Response = 18188100	M
7.087	Response = 17371587	M

Reviewer: patelji, 28-Aug-2019 09:01:13

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020637.D
Lims ID: IC TOXL3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 26-Aug-2019 17:34:01 ALS Bottle#: 19 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-018
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:41 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 08:52:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.713	1.713	0.000	52859173	100.0	100.0	
2	1.543	1.543	0.000	82309684	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.305	5.305	0.000	19671934	1000.0	818.0	M
1	5.831	5.831	0.000	26227030	1000.0	791.1	M
1	5.946	5.946	0.000	44960473	1000.0	778.1	M
1	6.294	6.294	0.000	25748541	1000.0	743.1	M
1	7.088	7.088	0.000	25080899	1000.0	802.2	M
		Average of Peak Amounts =				786.5	
2	4.873	4.873	0.000	53963759	1000.0	879.3	M
2	4.988	4.988	0.000	78130783	1000.0	930.5	M
2	5.191	5.191	0.000	47351365	1000.0	883.9	M
2	5.375	5.375	0.000	50236451	1000.0	897.9	M
2	5.566	5.566	0.000	51875287	1000.0	894.7	M
		Average of Peak Amounts =				897.3	
						RPD = 13.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

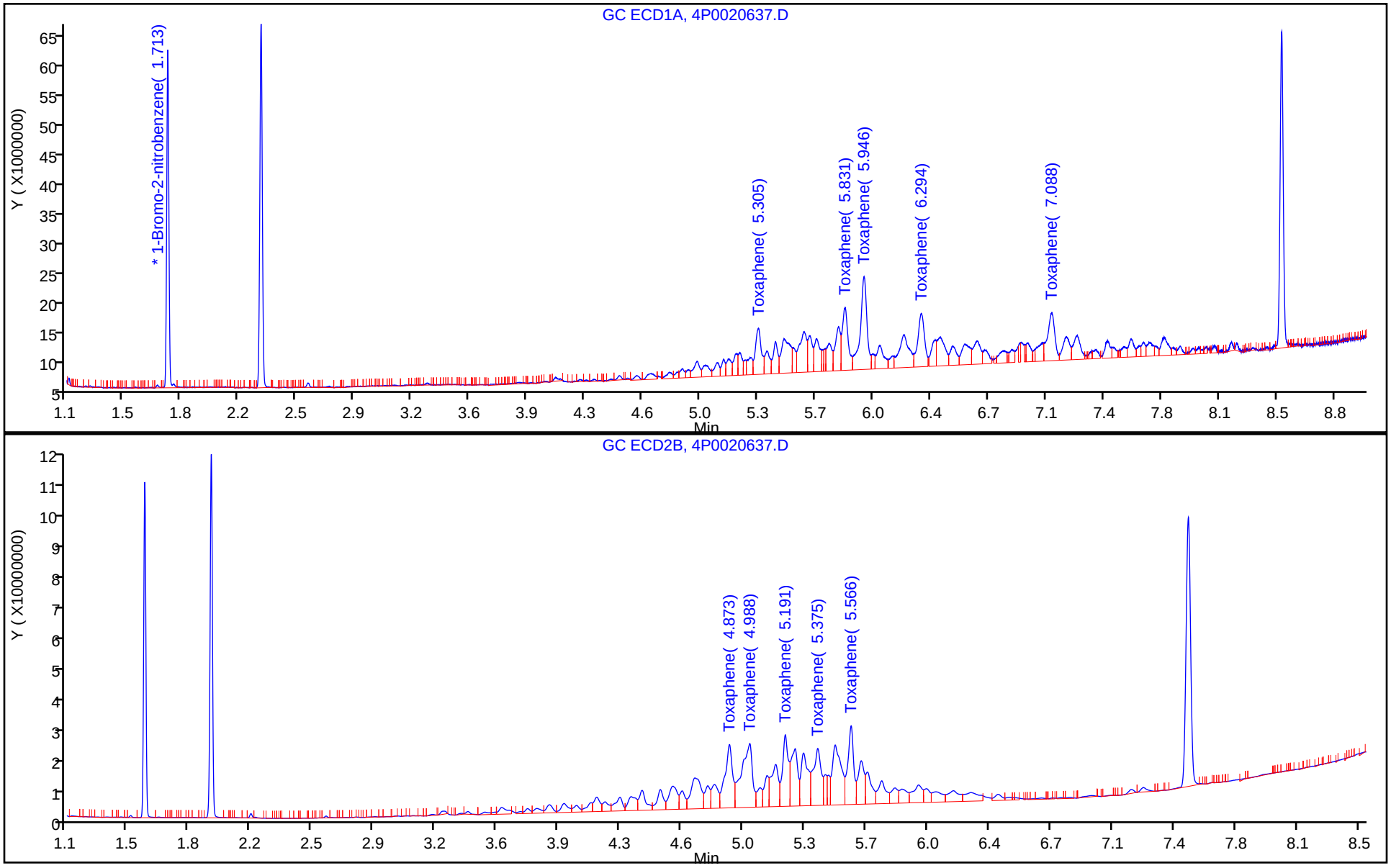
SGTOXAPHENEL4_00003 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020637.D

Injection Date:	26-Aug-2019 17:34:01	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL3			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020637.D

Injection Date: 26-Aug-2019 17:34:01 Instrument ID: CPESTGC4

Lims ID: IC TOXL3

Client ID:

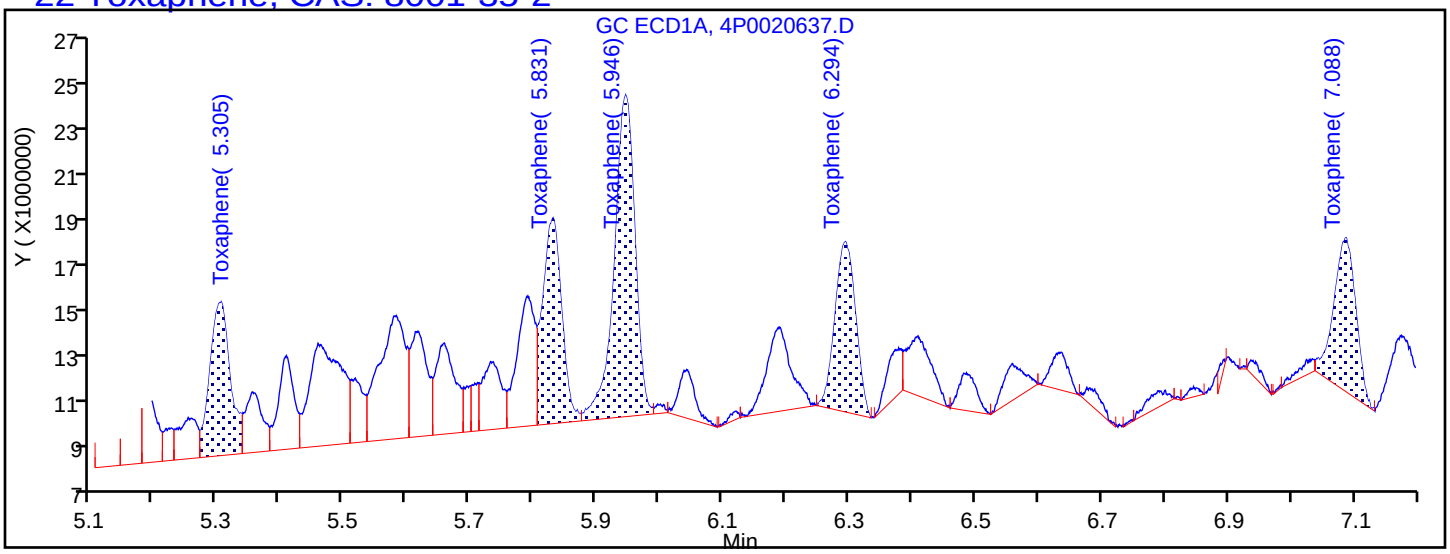
Operator ID: ALS Bottle#: 19 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

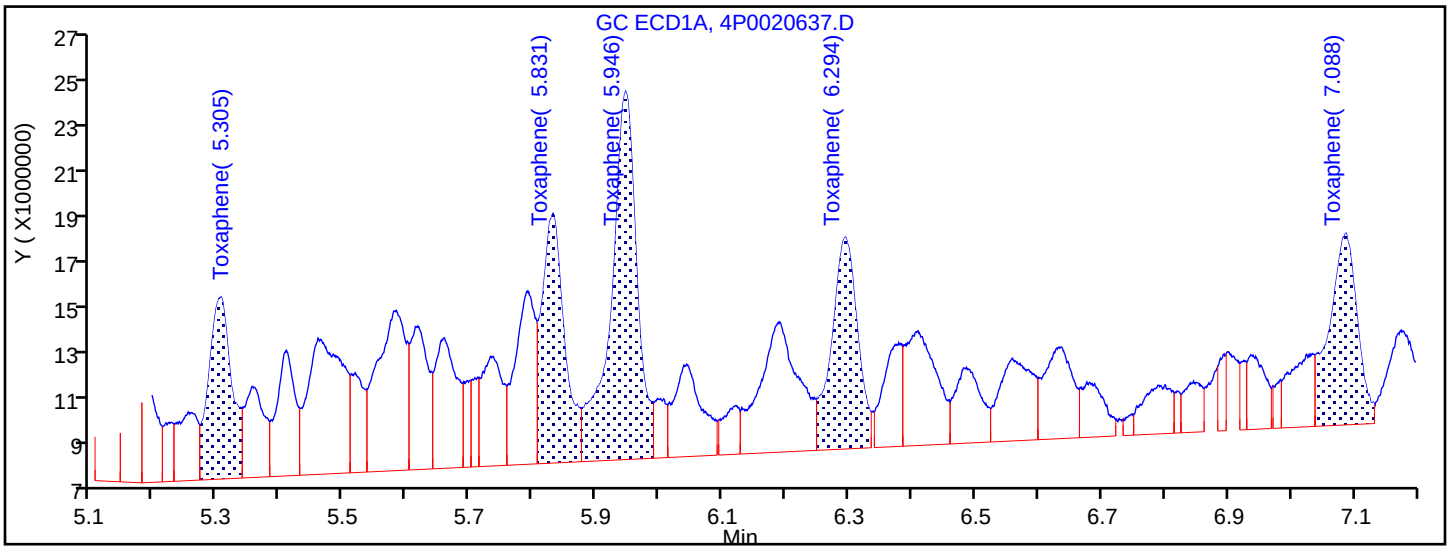
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.305	Response = 14622826
5.831	Response = 18119959
5.946	Response = 30934177
6.294	Response = 16235393
7.088	Response = 15583164



Manual Integration Results

5.305	Response = 19671934	M
5.831	Response = 26227030	M
5.946	Response = 44960473	M
6.294	Response = 25748541	M
7.088	Response = 25080899	M

Reviewer: patelji, 28-Aug-2019 09:01:44

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020638.D
Lims ID: IC TOXL4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Aug-2019 17:49:24 ALS Bottle#: 20 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-019
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:45 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 09:02:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.714	1.713	0.001	55894285	100.0	100.0	
2	1.545	1.543	0.002	95845224	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.304	5.305	-0.001	43733096	1500.0	1719.8	M
1	5.828	5.831	-0.003	60439142	1500.0	1724.0	M
1	5.945	5.946	-0.001	104893917	1500.0	1716.7	M
1	6.292	6.294	-0.002	62453708	1500.0	1704.4	M
1	7.084	7.088	-0.004	60116577	1500.0	1818.4	M
		Average of Peak Amounts =				1736.7	
2	4.873	4.873	0.000	117501585	1500.0	1644.2	M
2	4.989	4.988	0.001	162072554	1500.0	1657.6	M
2	5.190	5.191	-0.001	99282704	1500.0	1591.6	M
2	5.376	5.375	0.001	102346309	1500.0	1570.9	M
2	5.565	5.566	-0.001	109290827	1500.0	1618.8	M
		Average of Peak Amounts =				1616.6	
						RPD = 7.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

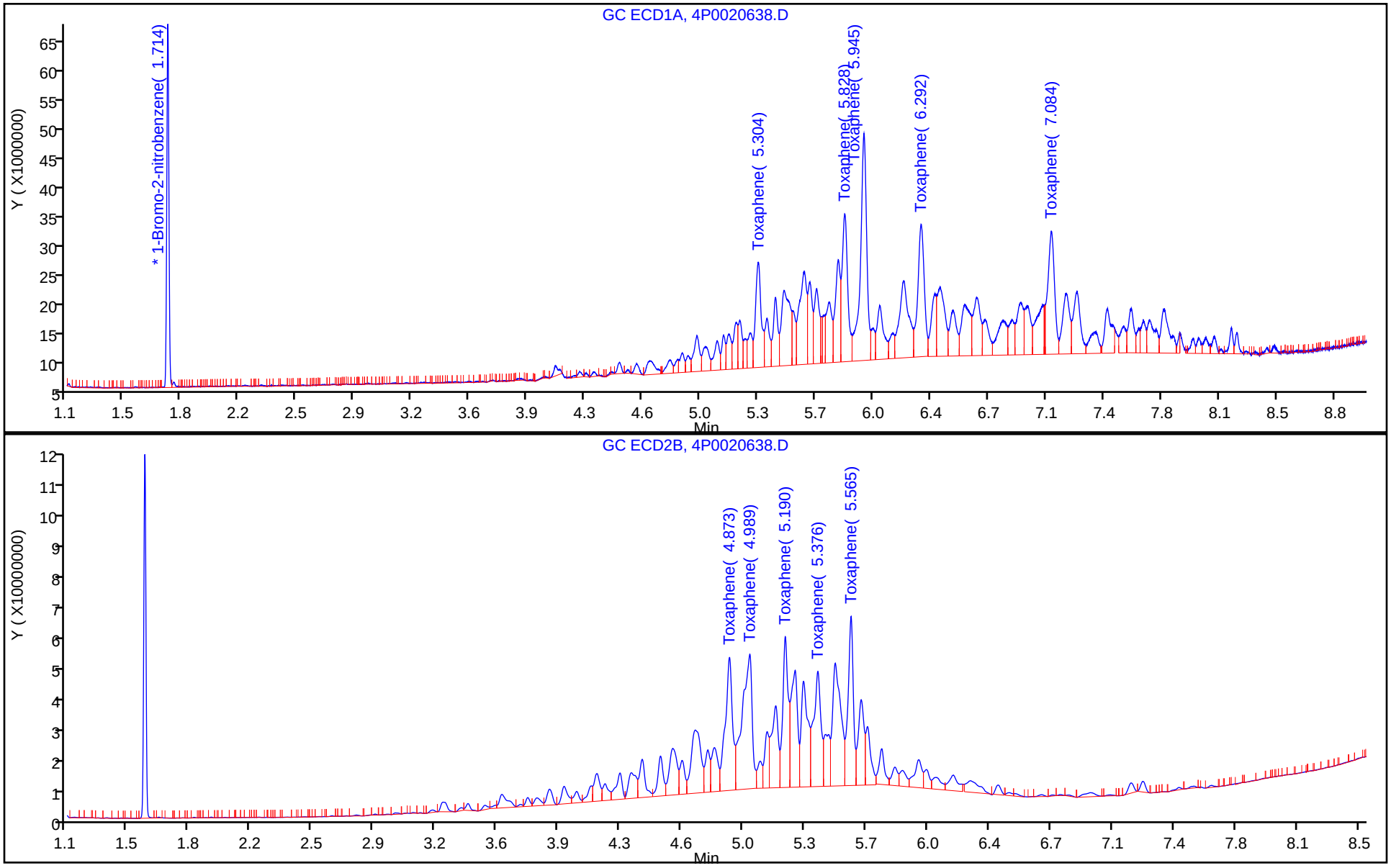
SGTOXAPHENEL5_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:46 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020638.D

Injection Date:	26-Aug-2019 17:49:24	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL4			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:46 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020638.D

Injection Date: 26-Aug-2019 17:49:24 Instrument ID: CPESTGC4

Lims ID: IC TOXL4

Client ID:

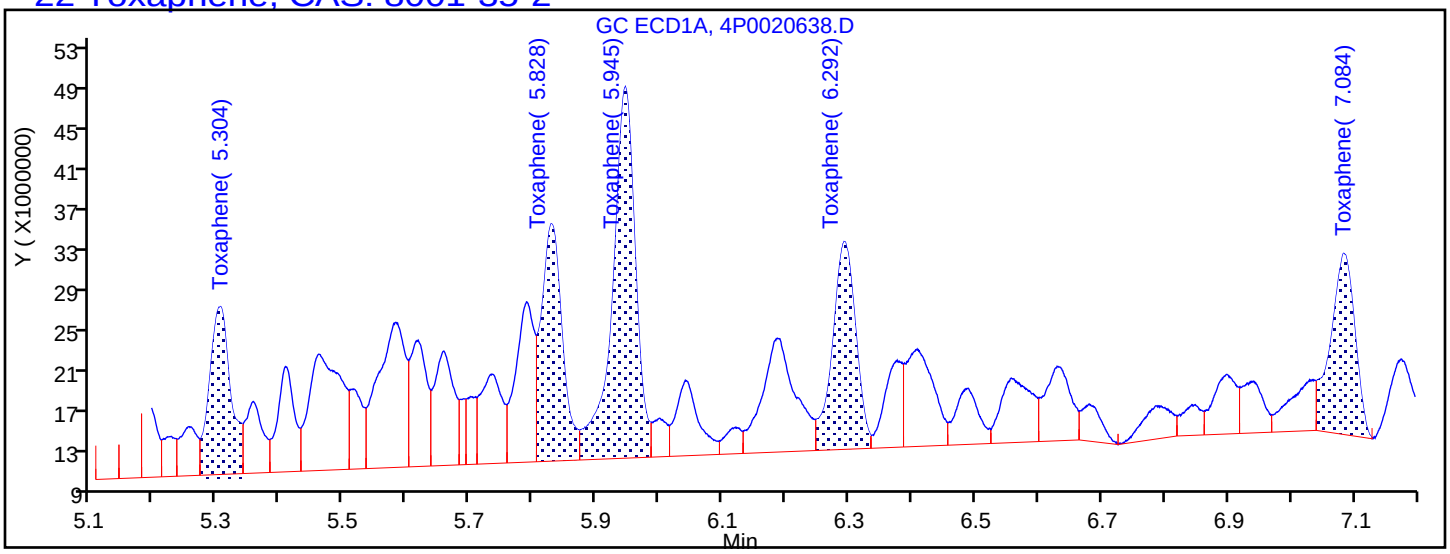
Operator ID: ALS Bottle#: 20 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

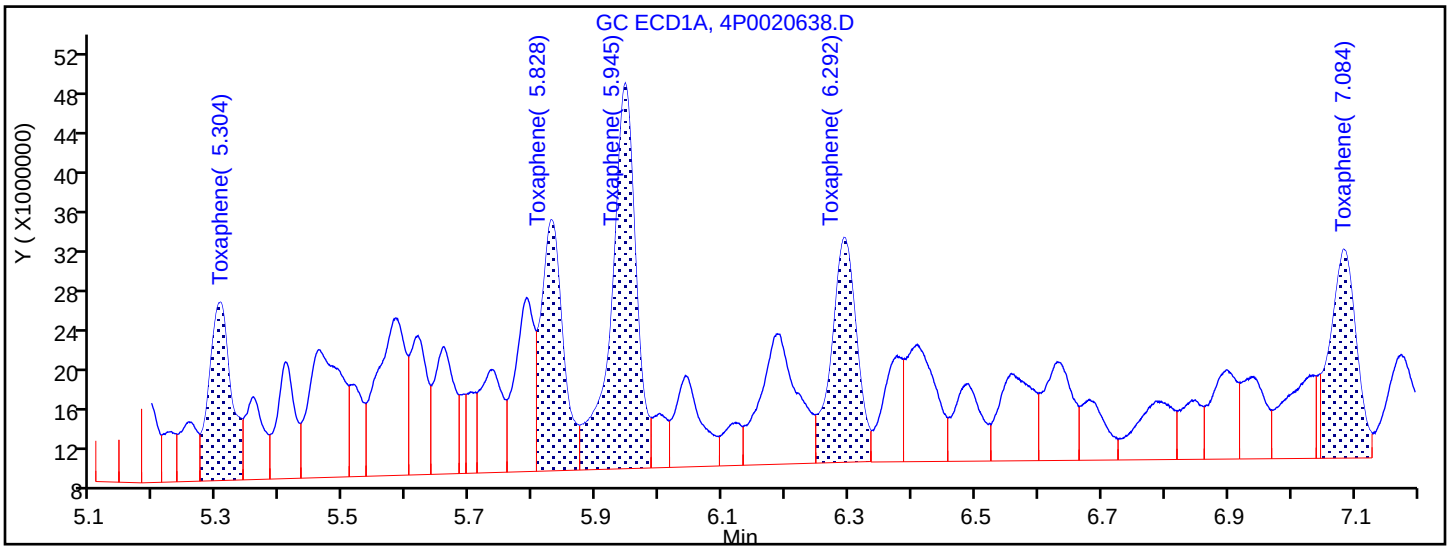
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.304	Response = 39193957
5.828	Response = 54404487
5.945	Response = 94462785
6.292	Response = 53103156
7.084	Response = 48392898



Manual Integration Results

5.304	Response = 43733096	M
5.828	Response = 60439142	M
5.945	Response = 104893917	M
6.292	Response = 62453708	M
7.084	Response = 60116577	M

Reviewer: patelji, 28-Aug-2019 09:05:13

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D
Lims ID: IC TOXL5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Aug-2019 18:04:51 ALS Bottle#: 21 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-020
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:49 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 09:02:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.715	1.713	0.002	53952808	100.0	100.0	
2	1.545	1.543	0.002	91715291	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.302	5.305	-0.003	60758393	2500.0	2475.4	M
1	5.829	5.831	-0.002	85310738	2500.0	2521.0	M
1	5.945	5.946	-0.001	152449239	2500.0	2584.8	M
1	6.292	6.294	-0.002	95124239	2500.0	2689.5	M
1	7.085	7.088	-0.003	87922331	2500.0	2755.1	M
		Average of Peak Amounts =				2605.1	
2	4.872	4.873	-0.001	170772758	2500.0	2497.3	M
2	4.988	4.988	0.000	236458154	2500.0	2527.3	M
2	5.191	5.191	0.000	140202146	2500.0	2348.7	M
2	5.376	5.375	0.001	144054118	2500.0	2310.7	M
2	5.565	5.566	-0.001	150712647	2500.0	2332.8	M
		Average of Peak Amounts =				2403.4	
						RPD = 8.06	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

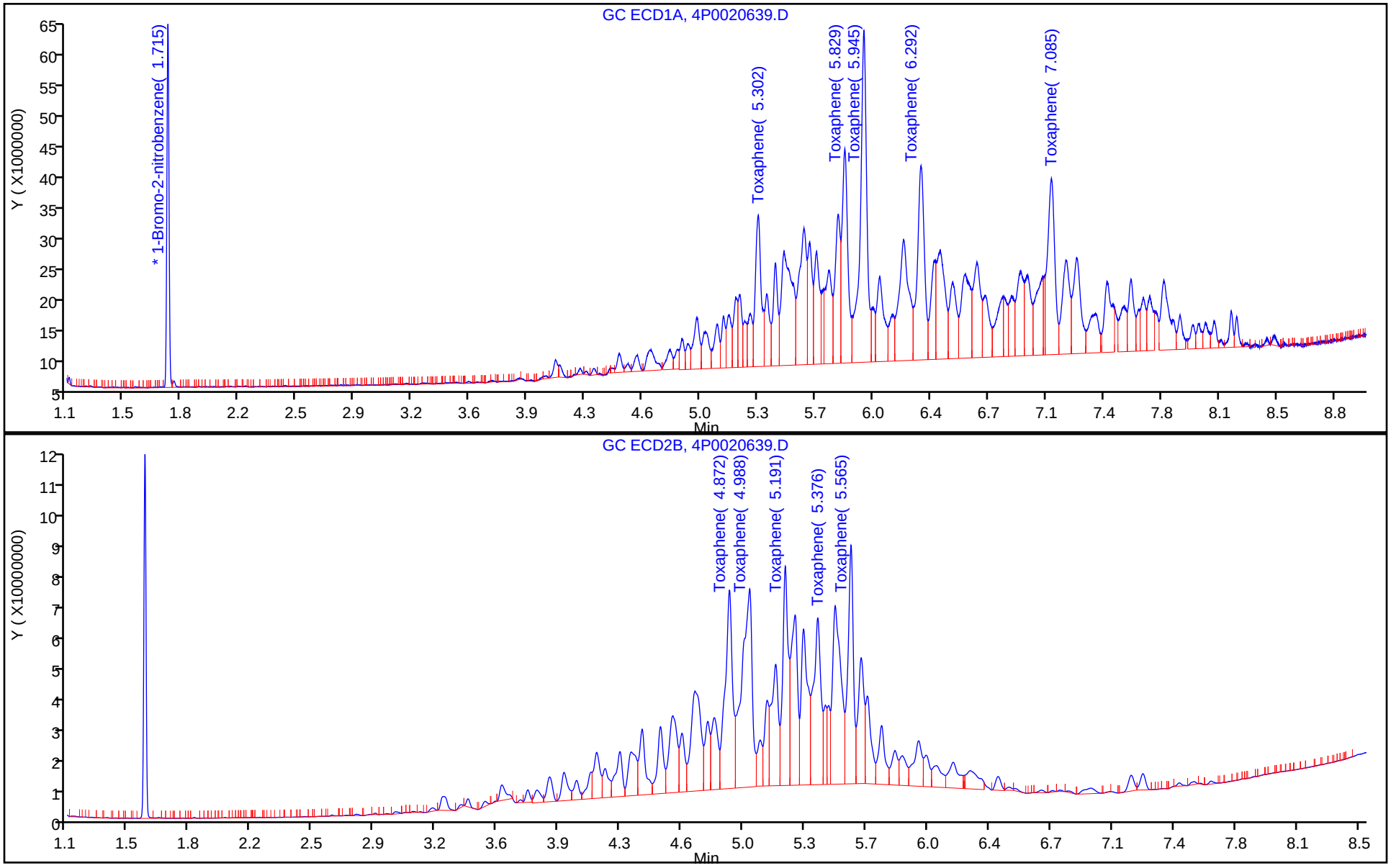
SGTOXAPHENEL6_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:49 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Injection Date:	26-Aug-2019 18:04:51	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL5			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



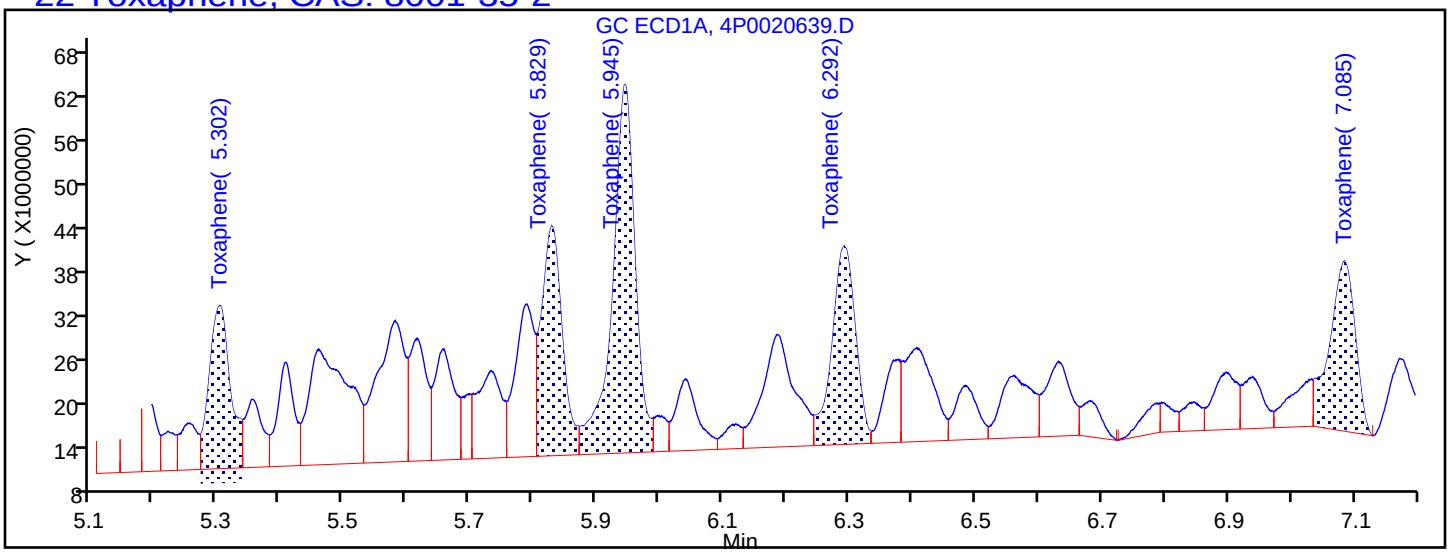
Report Date: 28-Aug-2019 09:24:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

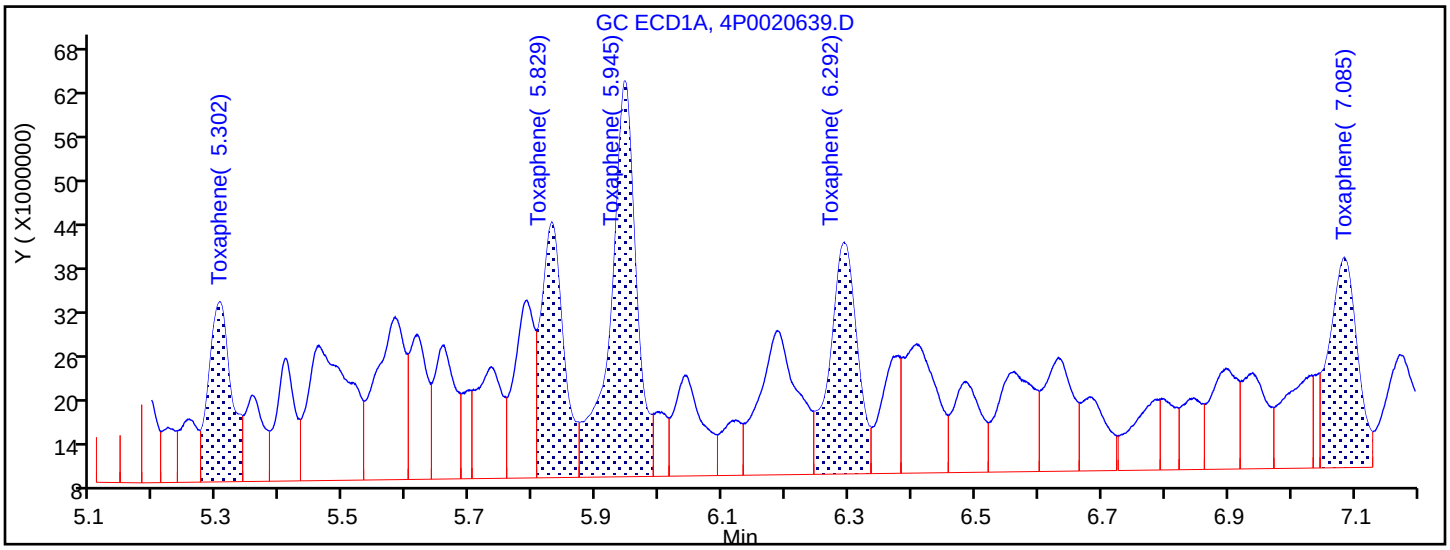
Injection Date:	26-Aug-2019 18:04:51	Instrument ID:	CPESTGC4		
Lims ID:	IC TOXL5				
Client ID:					
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		
Column:		Detector	GC ECD1A		

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.302	Response = 51377743
5.829	Response = 70976022
5.945	Response = 126034796
6.292	Response = 70328052
7.085	Response = 64980490



Manual Integration Results

5.302	Response = 60758393	M
5.829	Response = 85310738	M
5.945	Response = 152449239	M
6.292	Response = 95124239	M
7.085	Response = 87922331	M

Reviewer: patelji, 28-Aug-2019 09:02:29

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 17:02 Calibration End Date: 08/26/2019 18:04 Calibration ID: 76343

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/16	4P0020635.D
Level 2	IC 460-635023/17	4P0020636.D
Level 3	IC 460-635023/18	4P0020637.D
Level 4	IC 460-635023/19	4P0020638.D
Level 5	IC 460-635023/20	4P0020639.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								
Toxaphene Peak 1	0.0792	0.0718	0.0656	0.0817	0.0745	Ave		0.0746				8.5		20.0			
Toxaphene Peak 2	0.0995	0.0998	0.0949	0.1127	0.1031	Ave		0.1020				6.5		20.0			
Toxaphene Peak 3	0.0764	0.0613	0.0575	0.0691	0.0611	Ave		0.0651				11.6		20.0			
Toxaphene Peak 4	0.0804	0.0644	0.0610	0.0712	0.0628	Ave		0.0680				11.7		20.0			
Toxaphene Peak 5	0.0799	0.0675	0.0630	0.0760	0.0657	Ave		0.0704				10.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 635023

SDG No.:

Instrument ID: CPESTGC4 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 17:02 Calibration End Date: 08/26/2019 18:04 Calibration ID: 76343

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-635023/16	4P0020635.D
Level 2	IC 460-635023/17	4P0020636.D
Level 3	IC 460-635023/18	4P0020637.D
Level 4	IC 460-635023/19	4P0020638.D
Level 5	IC 460-635023/20	4P0020639.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	4123859	34979056	53963759	117501585	170772758	50.0	500	1000	1500	2500
Toxaphene Peak 2	BNB	Ave	5176652	48633143	78130783	162072554	236458154	50.0	500	1000	1500	2500
Toxaphene Peak 3	BNB	Ave	3973738	29884179	47351365	99282704	140202146	50.0	500	1000	1500	2500
Toxaphene Peak 4	BNB	Ave	4183994	31390010	50236451	102346309	144054118	50.0	500	1000	1500	2500
Toxaphene Peak 5	BNB	Ave	4158190	32905447	51875287	109290827	150712647	50.0	500	1000	1500	2500

Curve Type Legend:
Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020635.D
Lims ID: IC TOXL1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Aug-2019 17:02:37 ALS Bottle#: 17 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-016
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:34 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 26-Aug-2019 17:17:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.711	1.711	0.000	60771230	100.0	100.0	
2	1.542	1.541	0.001	104085801	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.304	5.305	-0.001	1343812	50.0	48.6	M
1	5.827	5.831	-0.004	1966907	50.0	51.6	M
1	5.940	5.946	-0.006	3276261	50.0	49.3	M
1	6.290	6.294	-0.004	2187624	50.0	54.9	M
1	7.091	7.088	0.003	1584185	50.0	44.1	M
		Average of Peak Amounts =				49.7	
2	4.870	4.873	-0.003	4123859	50.0	53.1	M
2	4.989	4.988	0.001	5176652	50.0	48.8	M
2	5.189	5.191	-0.002	3973738	50.0	58.7	M
2	5.376	5.375	0.001	4183994	50.0	59.1	M
2	5.562	5.566	-0.004	4158190	50.0	56.7	M
		Average of Peak Amounts =				55.3	
						RPD = 10.63	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

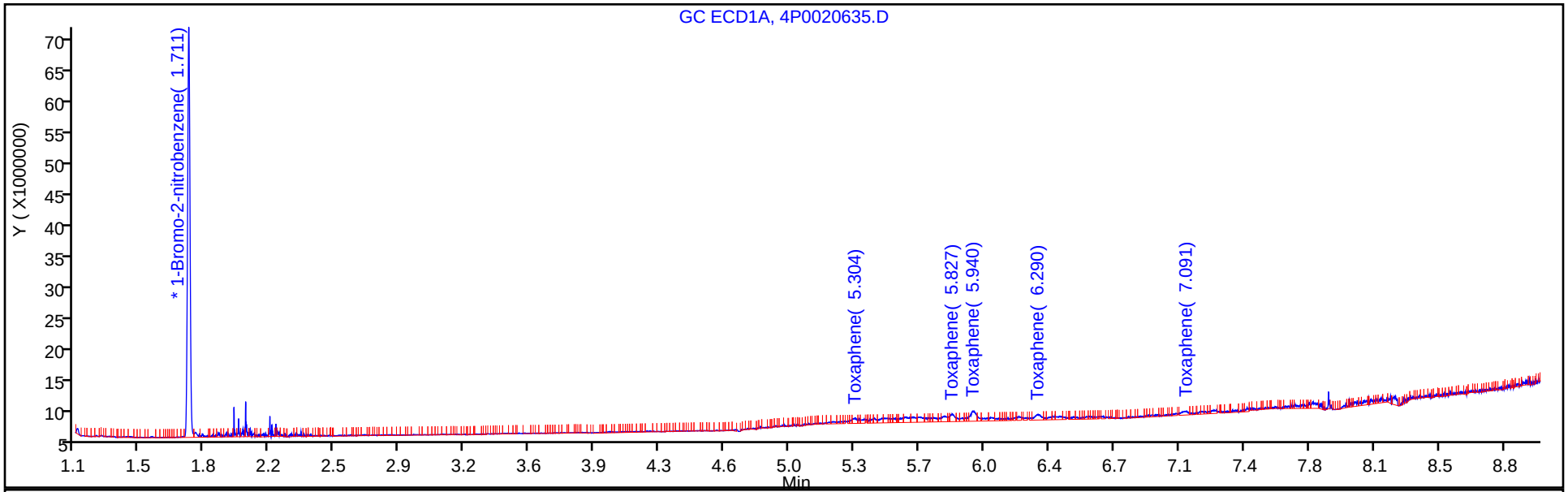
SGTOXAPHENEL1_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

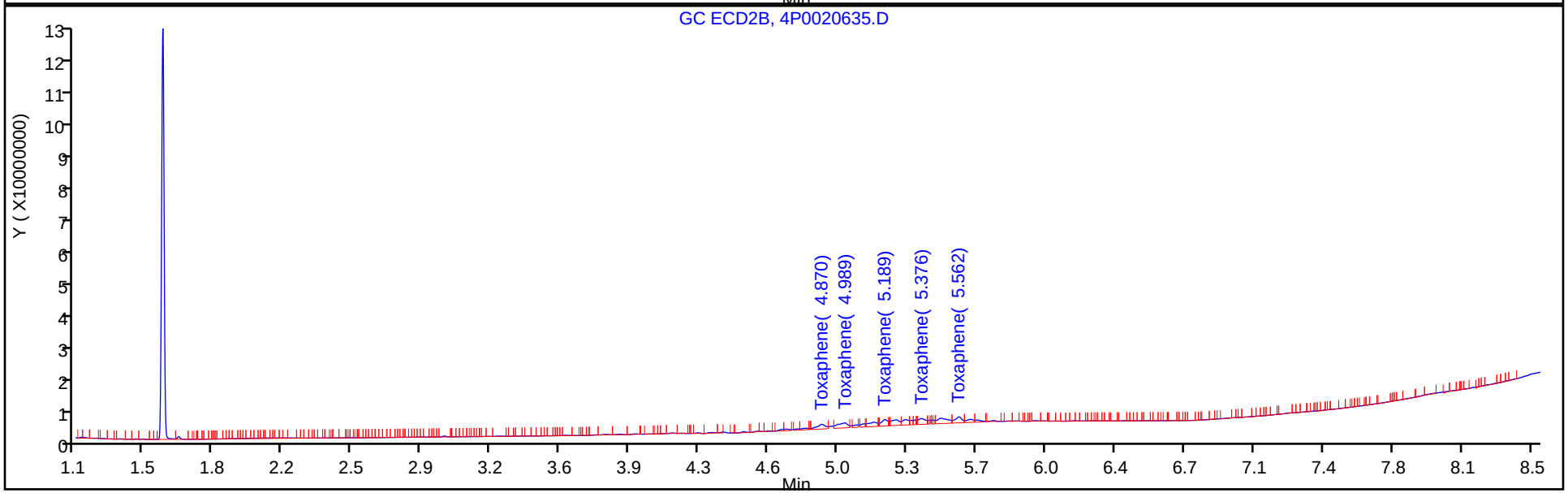
Report Date: 28-Aug-2019 09:24:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020635.D

Injection Date:	26-Aug-2019 17:02:37	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL1			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





Report Date: 28-Aug-2019 09:24:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020635.D

Injection Date: 26-Aug-2019 17:02:37 Instrument ID: CPESTGC4

Lims ID: IC TOXL1

Client ID:

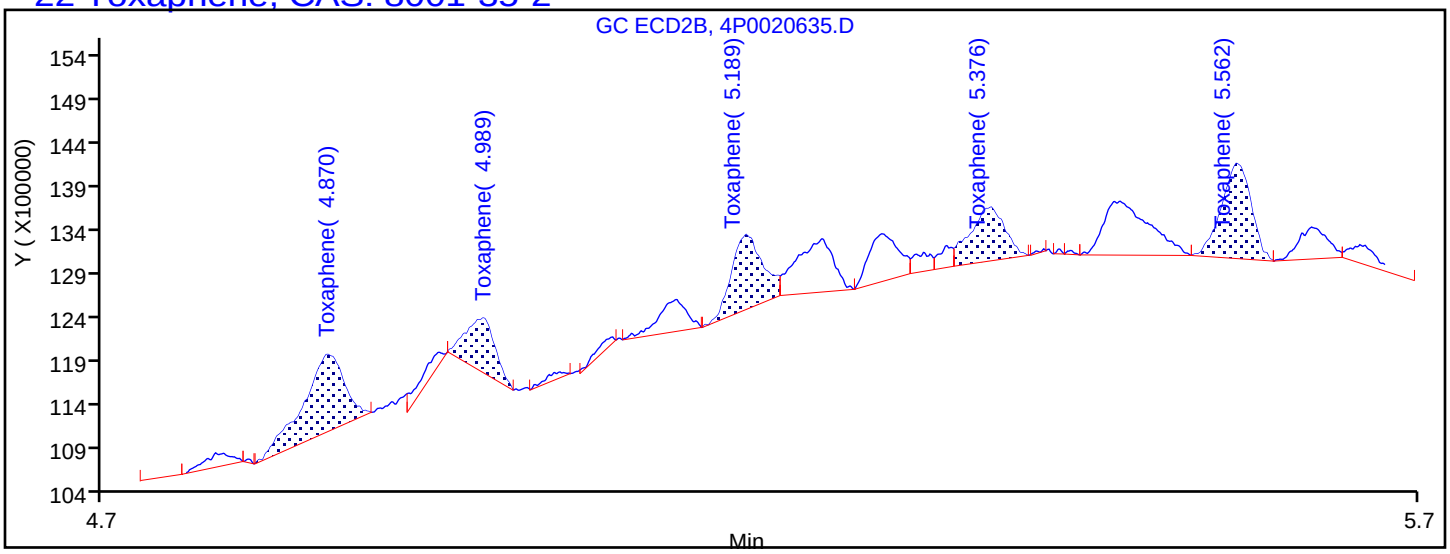
Operator ID: ALS Bottle#: 17 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

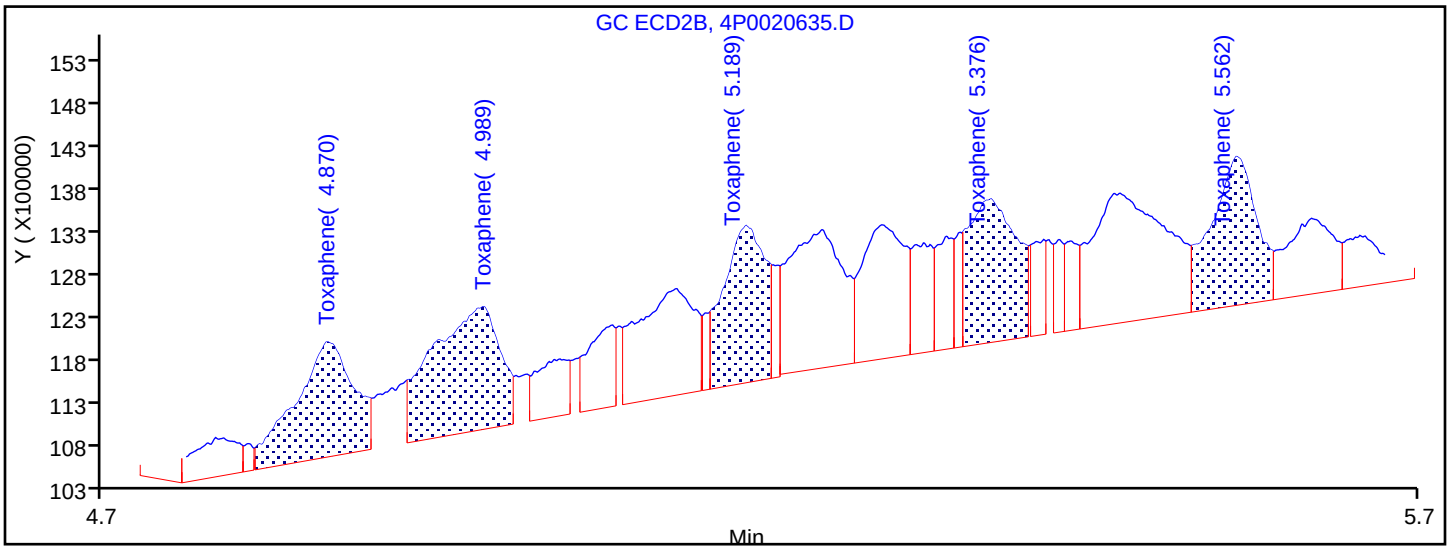
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.870	Response = 1897184
4.989	Response = 925680
5.189	Response = 1378987
5.376	Response = 1111878
5.562	Response = 1669332



Manual Integration Results

4.870	Response = 4123859	M
4.989	Response = 5176652	M
5.189	Response = 3973738	M
5.376	Response = 4183994	M
5.562	Response = 4158190	M

Reviewer: patelji, 28-Aug-2019 09:11:24

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020636.D
Lims ID: IC TOXL2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Aug-2019 17:18:01 ALS Bottle#: 18 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-017
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:38 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 09:01:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.713	1.711	0.002	58615721	100.0	100.0	
2	1.543	1.541	0.002	97444828	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.302	5.305	-0.003	14308809	500.0	536.6	M
1	5.829	5.831	-0.002	18735744	500.0	509.6	M
1	5.944	5.946	-0.002	33872757	500.0	528.6	M
1	6.292	6.294	-0.002	18188100	500.0	473.3	M
1	7.087	7.088	-0.001	17371587	500.0	501.0	M
		Average of Peak Amounts =				509.8	
2	4.872	4.873	-0.001	34979056	500.0	481.4	
2	4.987	4.988	-0.001	48633143	500.0	489.2	M
2	5.190	5.191	-0.001	29884179	500.0	471.2	
2	5.375	5.375	0.000	31390010	500.0	473.9	
2	5.566	5.566	0.000	32905447	500.0	479.4	
		Average of Peak Amounts =				479.0	
						RPD = 6.23	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

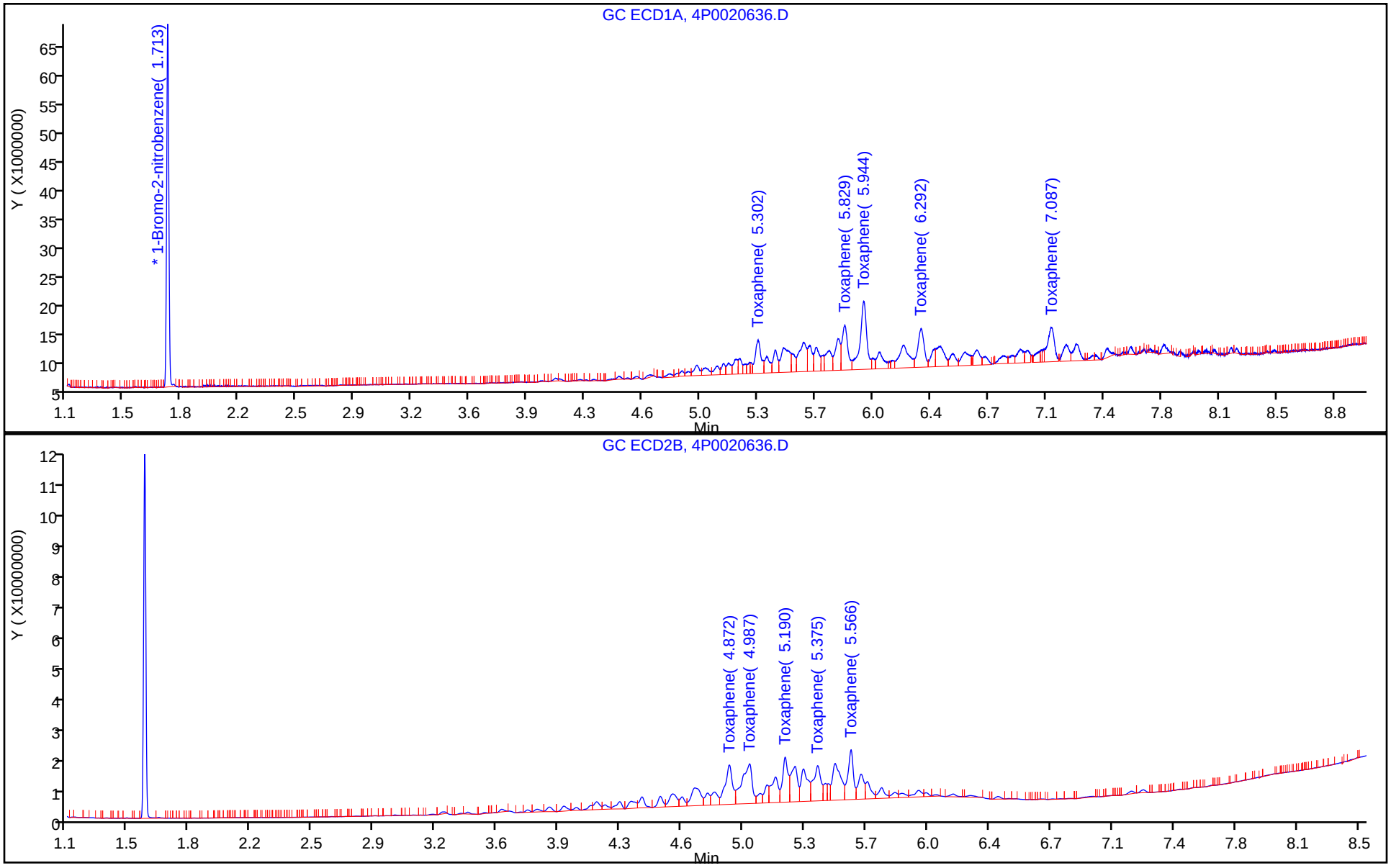
SGTOXAPHENEL3_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020636.D

Injection Date:	26-Aug-2019 17:18:01	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020636.D

Injection Date: 26-Aug-2019 17:18:01 Instrument ID: CPESTGC4

Lims ID: IC TOXL2

Client ID:

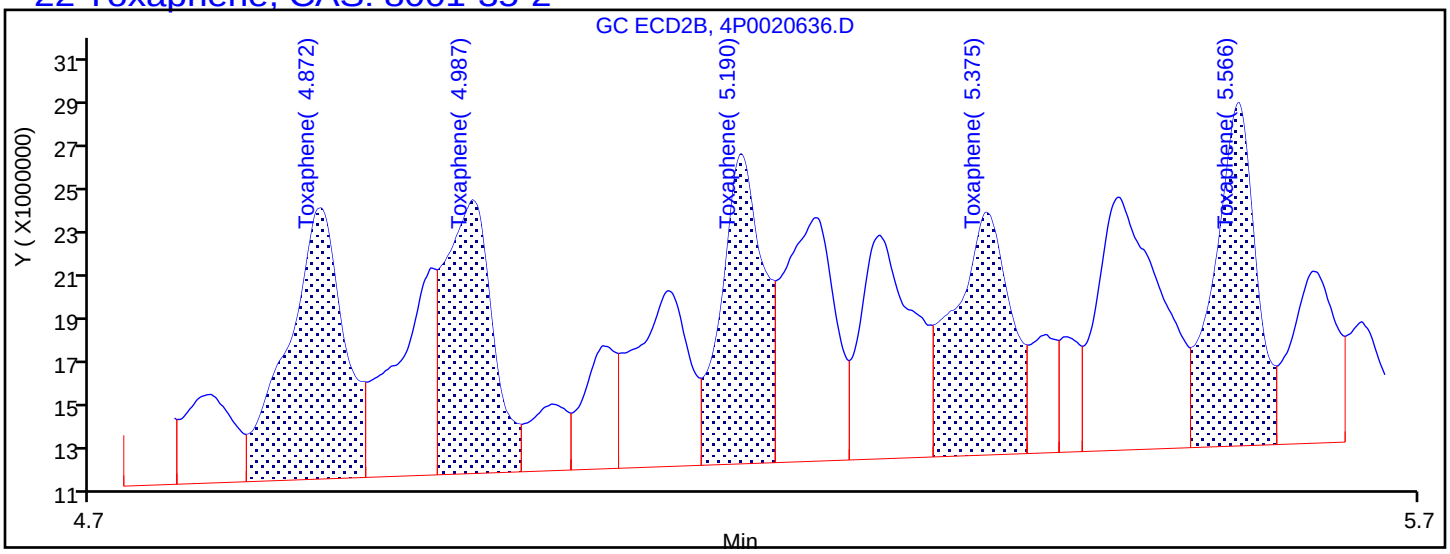
Operator ID: ALS Bottle#: 18 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

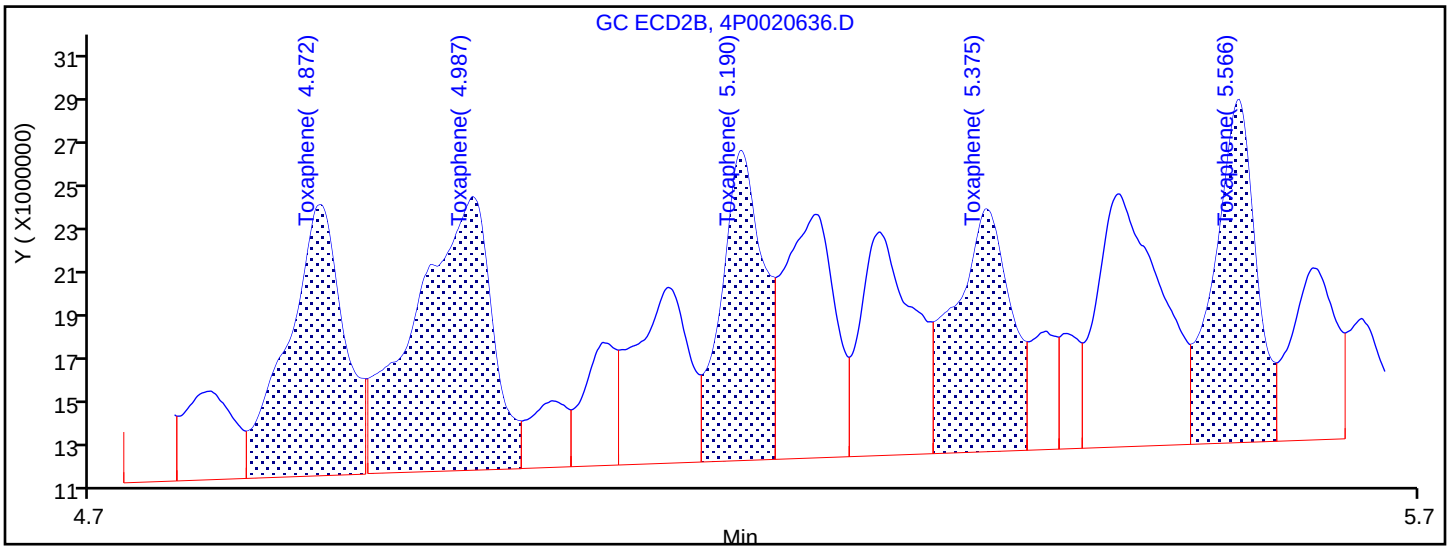
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.872	Response = 34979056
4.987	Response = 29642136
5.190	Response = 29884179
5.375	Response = 31390010
5.566	Response = 32905447



Manual Integration Results

4.872	Response = 34979056	
4.987	Response = 48633143	M
5.190	Response = 29884179	
5.375	Response = 31390010	
5.566	Response = 32905447	

Reviewer: patelji, 28-Aug-2019 09:07:55

Audit Action: Manually Integrated Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020637.D
Lims ID: IC TOXL3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 26-Aug-2019 17:34:01 ALS Bottle#: 19 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-018
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:41 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 08:52:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.713	1.713	0.000	52859173	100.0	100.0	
2	1.543	1.543	0.000	82309684	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.305	5.305	0.000	19671934	1000.0	818.0	M
1	5.831	5.831	0.000	26227030	1000.0	791.1	M
1	5.946	5.946	0.000	44960473	1000.0	778.1	M
1	6.294	6.294	0.000	25748541	1000.0	743.1	M
1	7.088	7.088	0.000	25080899	1000.0	802.2	M
		Average of Peak Amounts =				786.5	
2	4.873	4.873	0.000	53963759	1000.0	879.3	M
2	4.988	4.988	0.000	78130783	1000.0	930.5	M
2	5.191	5.191	0.000	47351365	1000.0	883.9	M
2	5.375	5.375	0.000	50236451	1000.0	897.9	M
2	5.566	5.566	0.000	51875287	1000.0	894.7	M
		Average of Peak Amounts =				897.3	
						RPD = 13.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

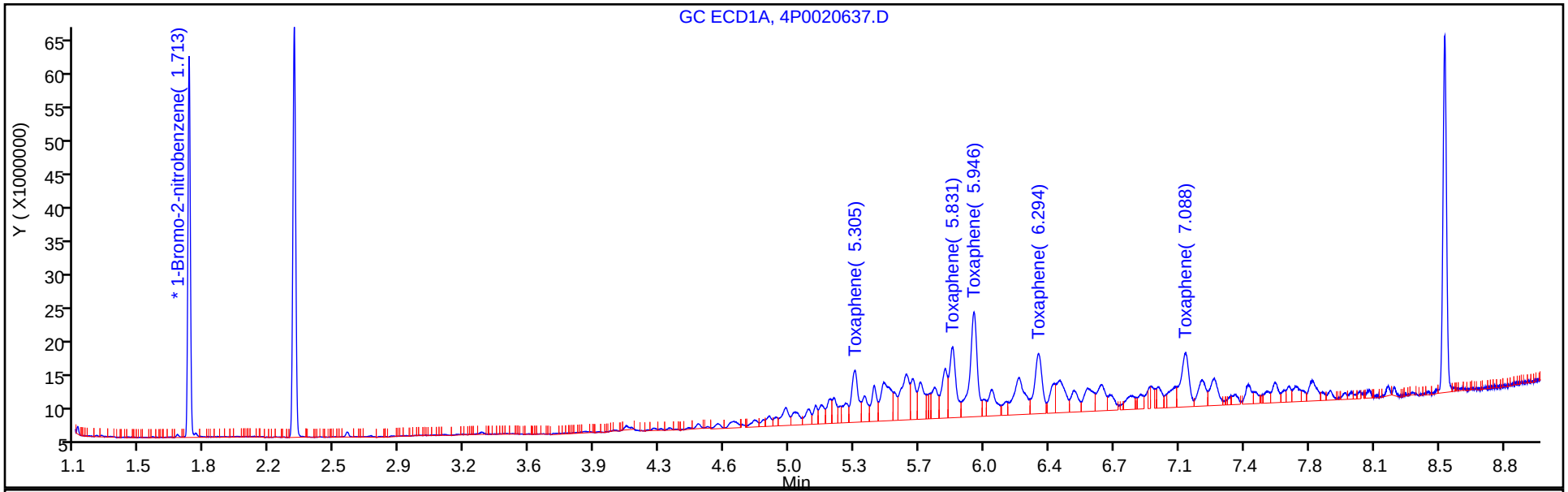
SGTOXAPHENEL4_00003 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

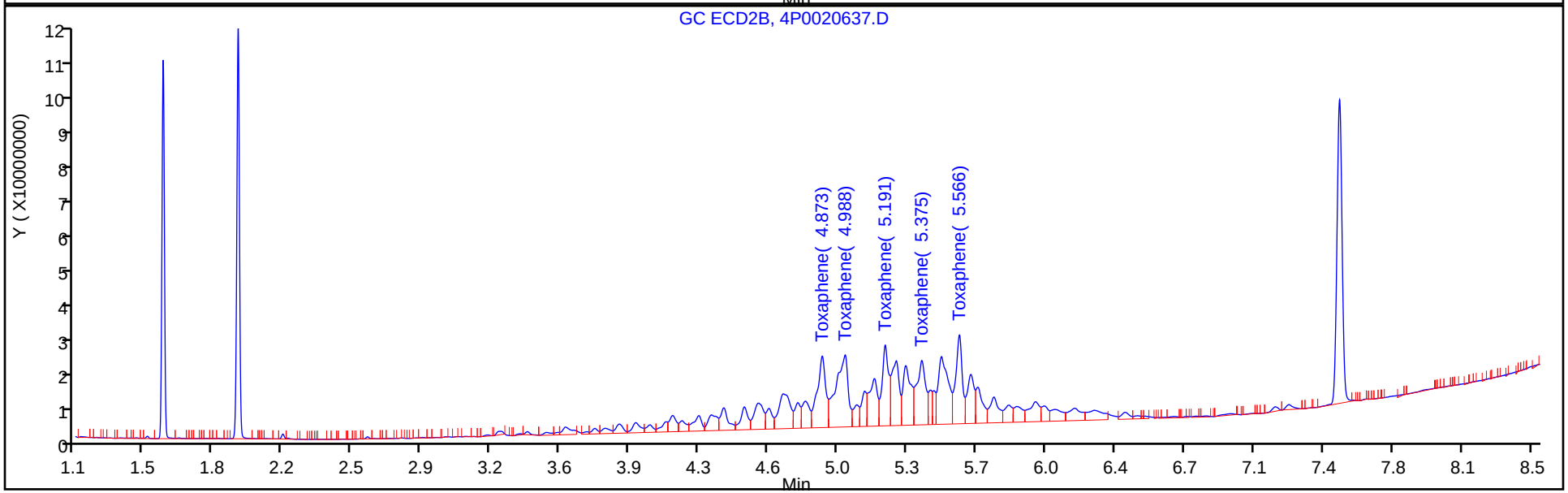
Report Date: 28-Aug-2019 09:24:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020637.D

Injection Date:	26-Aug-2019 17:34:01	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL3			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		





Report Date: 28-Aug-2019 09:24:43 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020637.D

Injection Date: 26-Aug-2019 17:34:01 Instrument ID: CPESTGC4

Lims ID: IC TOXL3

Client ID:

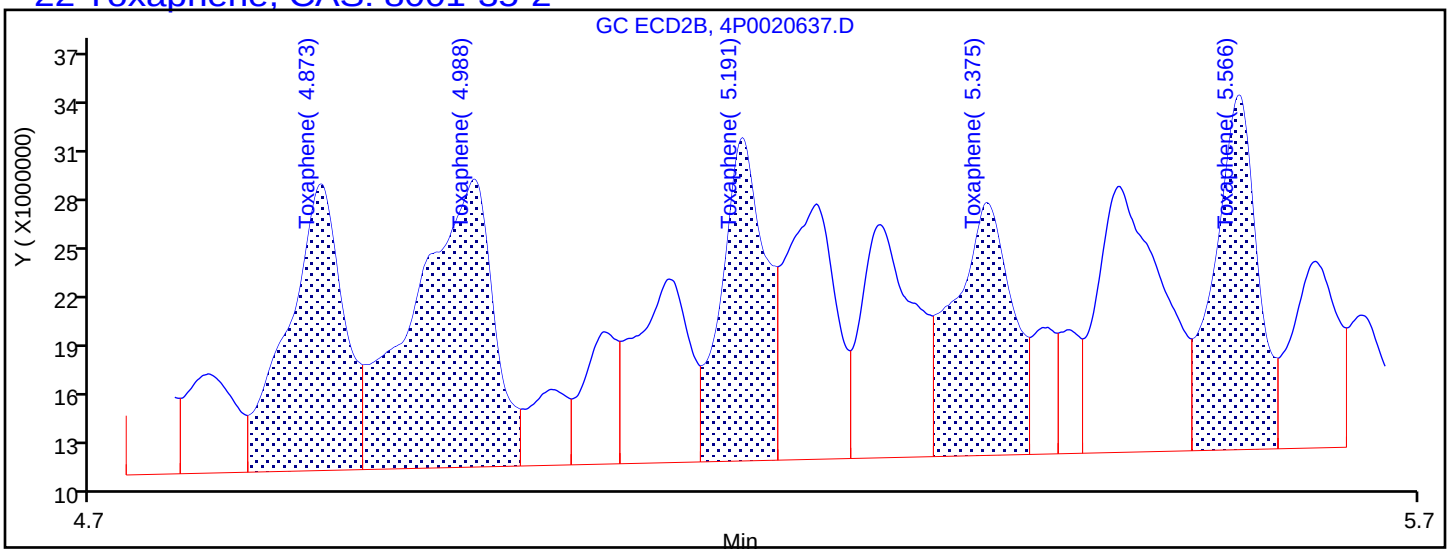
Operator ID: ALS Bottle#: 19 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

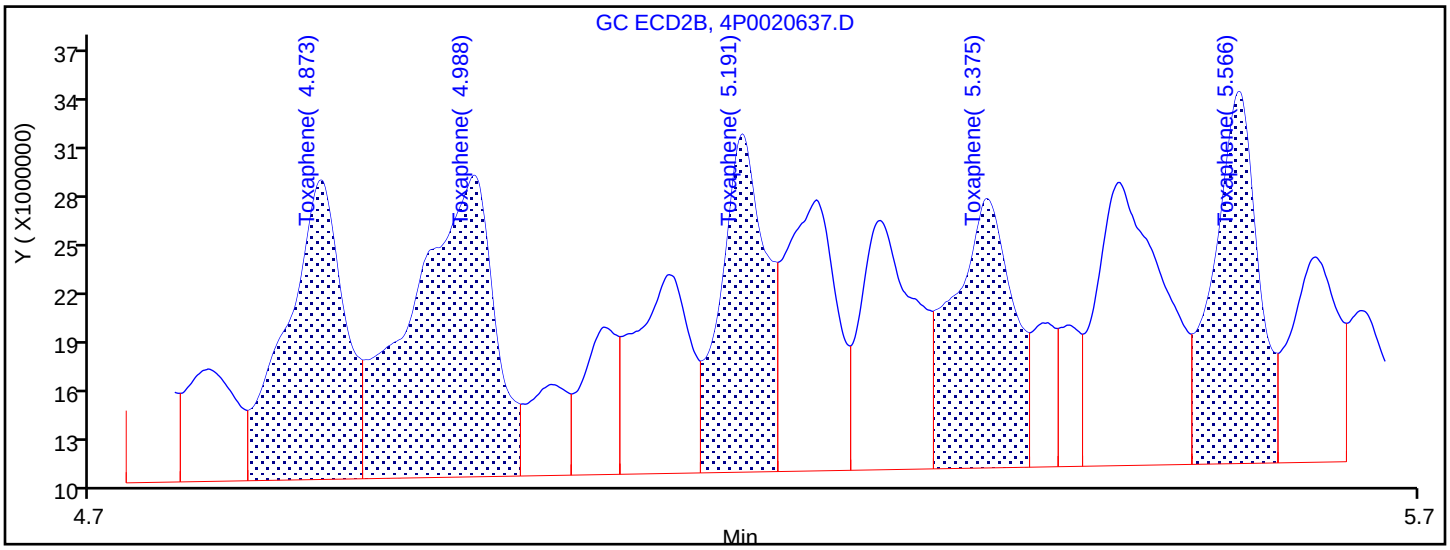
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.873	Response = 49567913
4.988	Response = 71778730
5.191	Response = 43913213
5.375	Response = 45630530
5.566	Response = 47433882



Manual Integration Results

4.873	Response = 53963759	M
4.988	Response = 78130783	M
5.191	Response = 47351365	M
5.375	Response = 50236451	M
5.566	Response = 51875287	M

Reviewer: patelji, 28-Aug-2019 09:09:30

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020638.D
Lims ID: IC TOXL4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Aug-2019 17:49:24 ALS Bottle#: 20 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-019
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:45 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 09:02:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.714	1.713	0.001	55894285	100.0	100.0	
2	1.545	1.543	0.002	95845224	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.304	5.305	-0.001	43733096	1500.0	1719.8	M
1	5.828	5.831	-0.003	60439142	1500.0	1724.0	M
1	5.945	5.946	-0.001	104893917	1500.0	1716.7	M
1	6.292	6.294	-0.002	62453708	1500.0	1704.4	M
1	7.084	7.088	-0.004	60116577	1500.0	1818.4	M
		Average of Peak Amounts =				1736.7	
2	4.873	4.873	0.000	117501585	1500.0	1644.2	M
2	4.989	4.988	0.001	162072554	1500.0	1657.6	M
2	5.190	5.191	-0.001	99282704	1500.0	1591.6	M
2	5.376	5.375	0.001	102346309	1500.0	1570.9	M
2	5.565	5.566	-0.001	109290827	1500.0	1618.8	M
		Average of Peak Amounts =				1616.6	
						RPD = 7.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

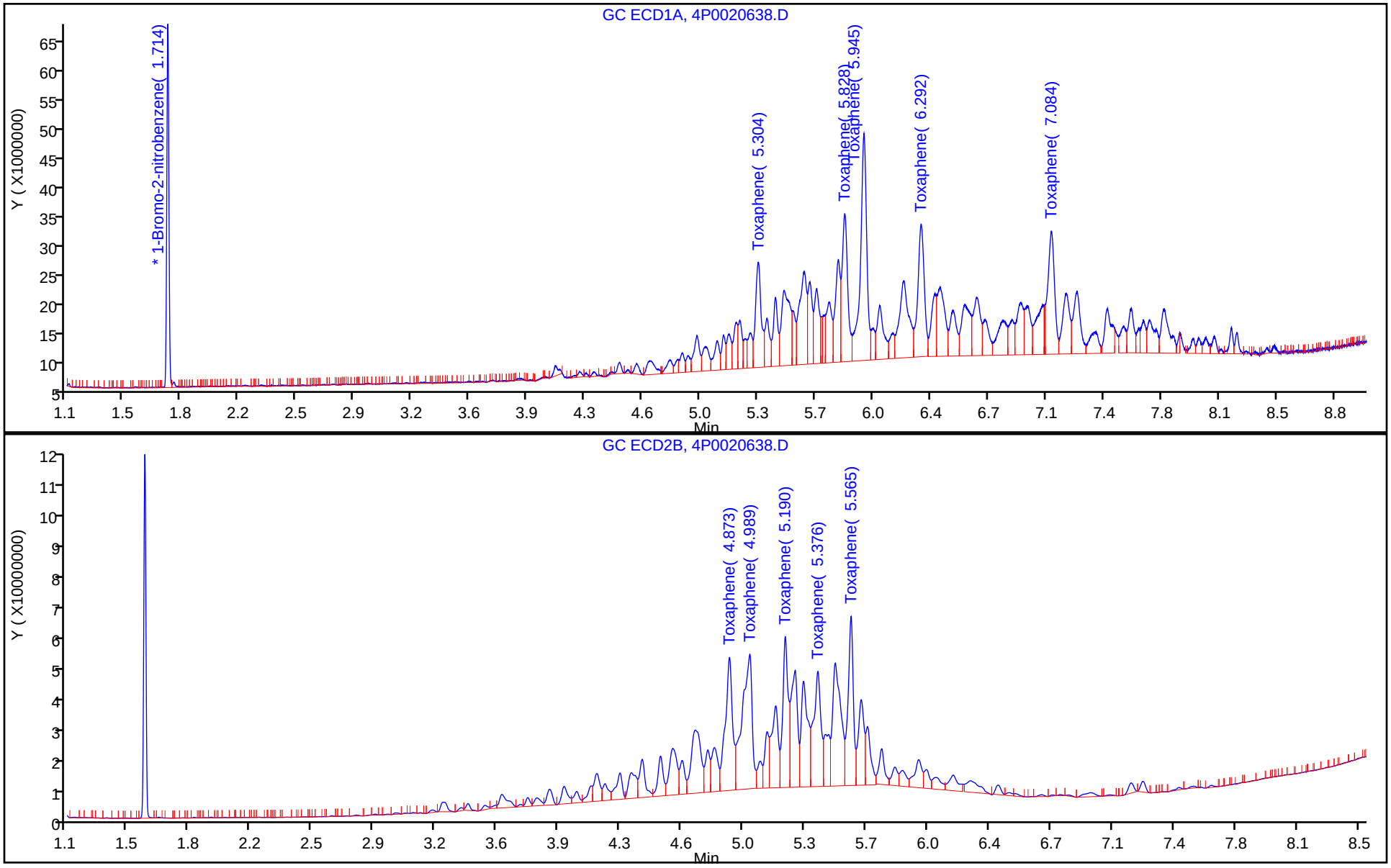
SGTOXAPHENEL5_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:46 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020638.D

Injection Date:	26-Aug-2019 17:49:24	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL4			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:46 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020638.D

Injection Date: 26-Aug-2019 17:49:24 Instrument ID: CPESTGC4

Lims ID: IC TOXL4

Client ID:

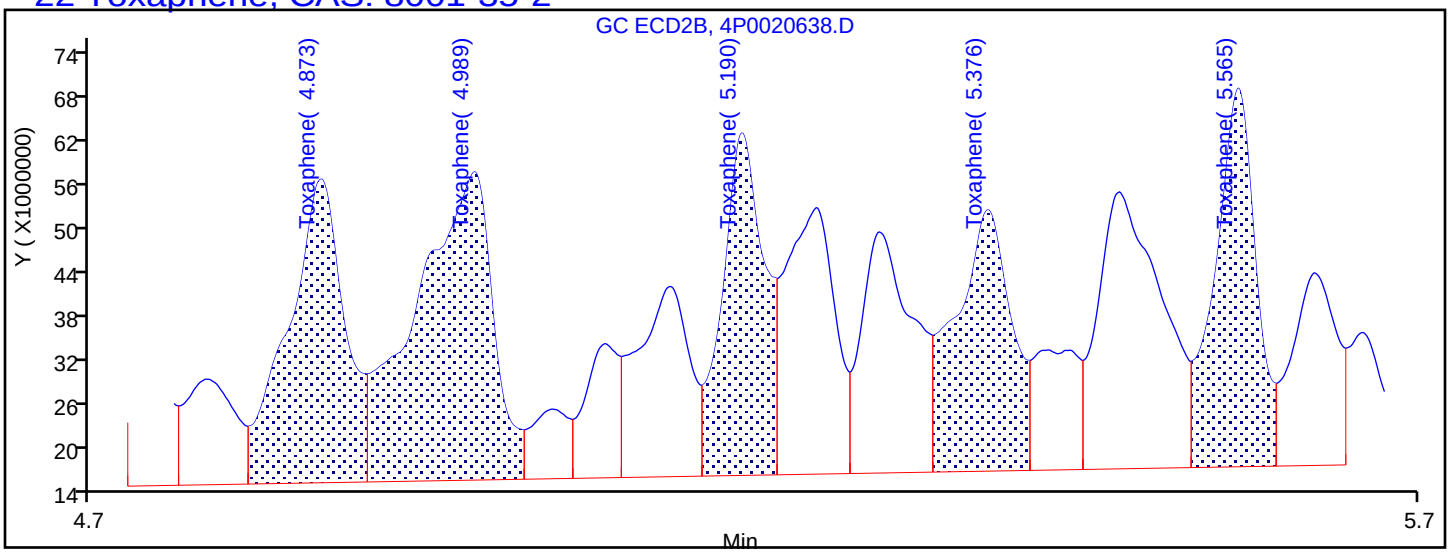
Operator ID: ALS Bottle#: 20 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

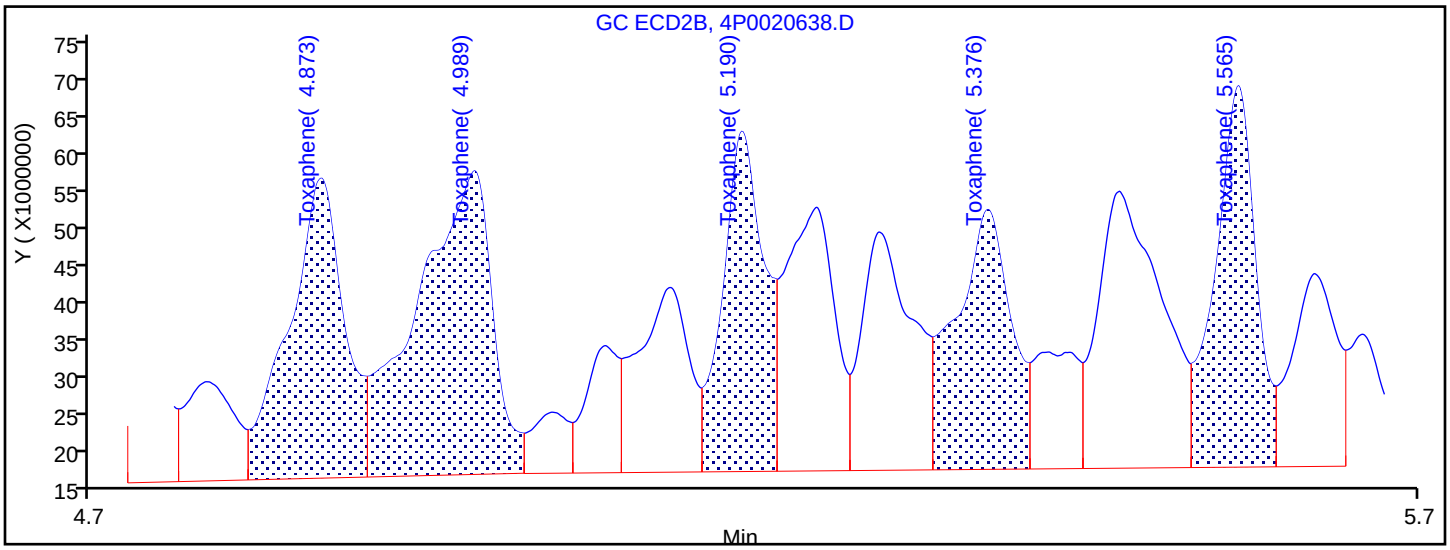
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.873	Response = 123923508
4.989	Response = 171379913
5.190	Response = 102978242
5.376	Response = 105865429
5.565	Response = 111216683



Manual Integration Results

4.873	Response = 117501585	M
4.989	Response = 162072554	M
5.190	Response = 99282704	M
5.376	Response = 102346309	M
5.565	Response = 109290827	M

Reviewer: patelji, 28-Aug-2019 09:08:39

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D
Lims ID: IC TOXL5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Aug-2019 18:04:51 ALS Bottle#: 21 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096660-020
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 28-Aug-2019 09:24:49 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: patelji Date: 28-Aug-2019 09:02:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.715	1.713	0.002	53952808	100.0	100.0	
2	1.545	1.543	0.002	91715291	100.0	100.0	
						RPD = 0.00	
22 Toxaphene							M
1	5.302	5.305	-0.003	60758393	2500.0	2475.4	M
1	5.829	5.831	-0.002	85310738	2500.0	2521.0	M
1	5.945	5.946	-0.001	152449239	2500.0	2584.8	M
1	6.292	6.294	-0.002	95124239	2500.0	2689.5	M
1	7.085	7.088	-0.003	87922331	2500.0	2755.1	M
		Average of Peak Amounts =				2605.1	
2	4.872	4.873	-0.001	170772758	2500.0	2497.3	M
2	4.988	4.988	0.000	236458154	2500.0	2527.3	M
2	5.191	5.191	0.000	140202146	2500.0	2348.7	M
2	5.376	5.375	0.001	144054118	2500.0	2310.7	M
2	5.565	5.566	-0.001	150712647	2500.0	2332.8	M
		Average of Peak Amounts =				2403.4	
						RPD = 8.06	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

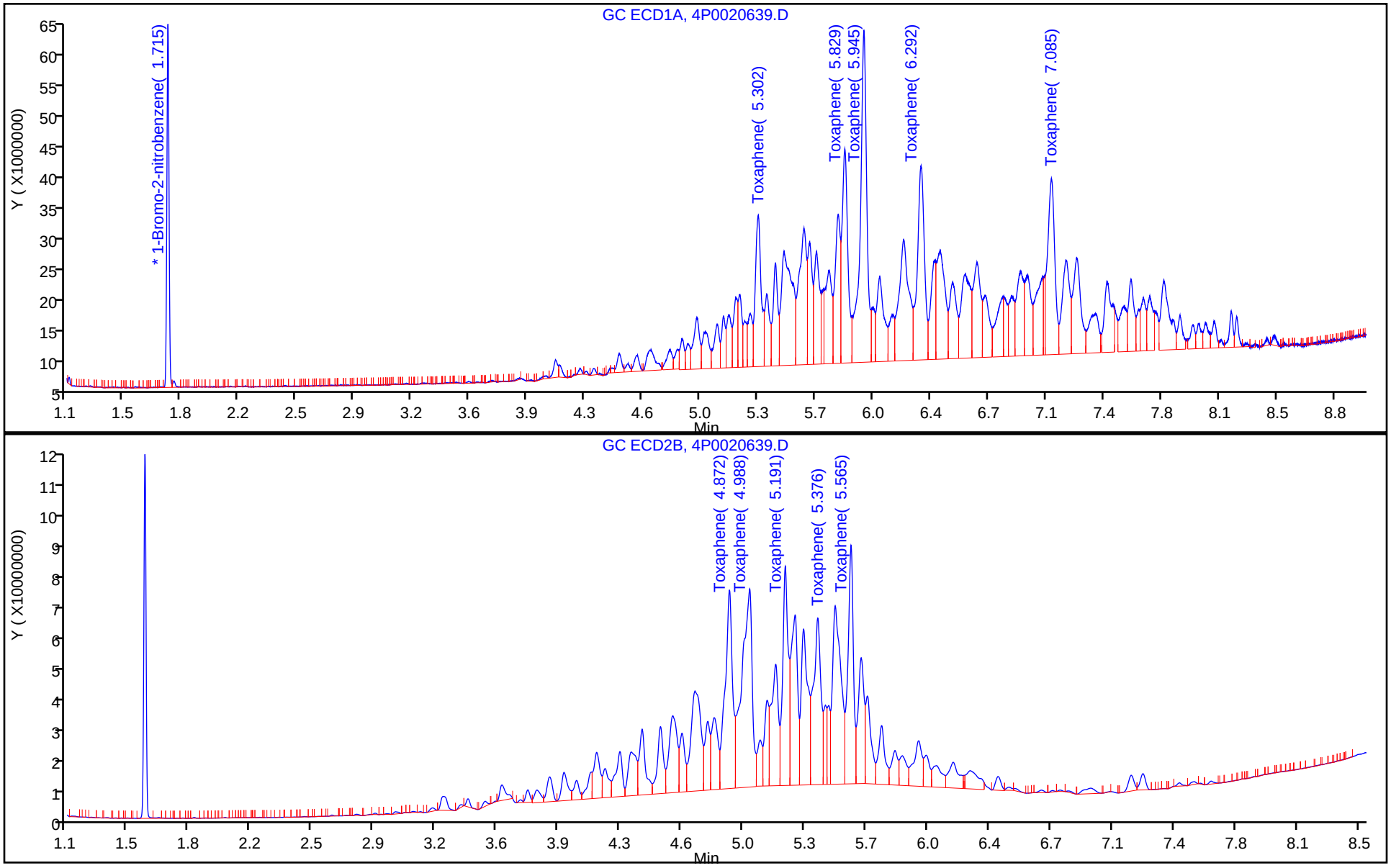
SGTOXAPHENEL6_00002 Amount Added: 1.00 Units: mL
SGPESTISTD_00010 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 09:24:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Injection Date:	26-Aug-2019 18:04:51	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	IC TOXL5			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 28-Aug-2019 09:24:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Injection Date: 26-Aug-2019 18:04:51 Instrument ID: CPESTGC4

Lims ID: IC TOXL5

Client ID:

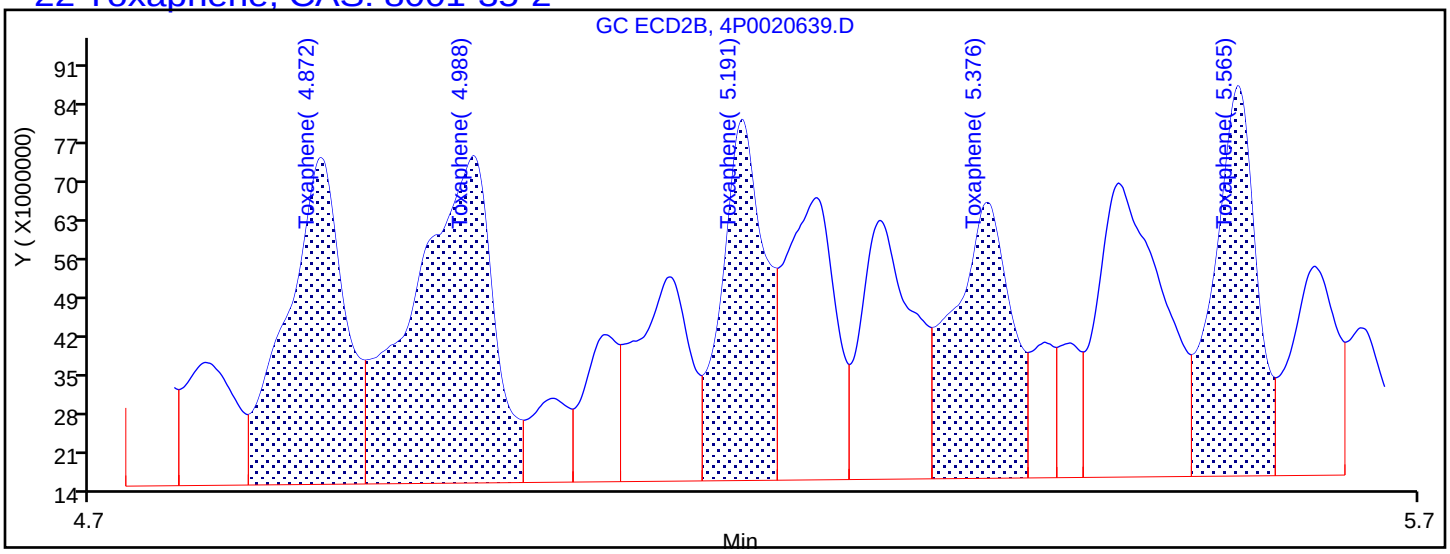
Operator ID: ALS Bottle#: 21 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

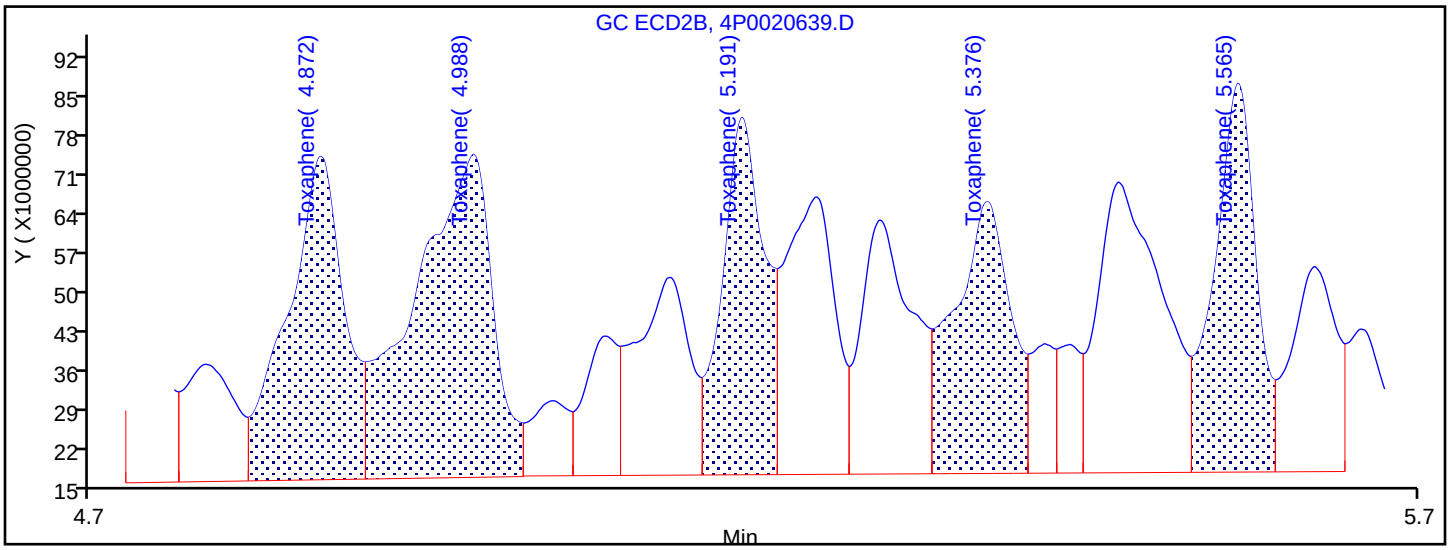
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.872	Response = 178580442
4.988	Response = 248141572
5.191	Response = 145929890
5.376	Response = 150678907
5.565	Response = 155851496



Manual Integration Results

4.872	Response = 170772758	M
4.988	Response = 236458154	M
5.191	Response = 140202146	M
5.376	Response = 144054118	M
5.565	Response = 150712647	M

Reviewer: patelji, 28-Aug-2019 09:08:11

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID (2): CCVIS 460-665293/3 Instrument ID (2): CPESTGC4

GC Column (2): CLP-2 ID: 0.53(mm) Date Analyzed (2): 12/27/2019 03:50

ANALYTE	RT	RESOLUTION (%)
Tetrachloro-m-xylene	2.23	100.00
Endosulfan I	5.00	99.70
4,4'-DDE	5.09	99.40
Dieldrin	5.25	100.00
Endosulfan sulfate	6.59	100.00
Methoxychlor	7.14	98.20
Endrin ketone	7.38	100.00

Resolution Report

Eurofins TestAmerica, Edison

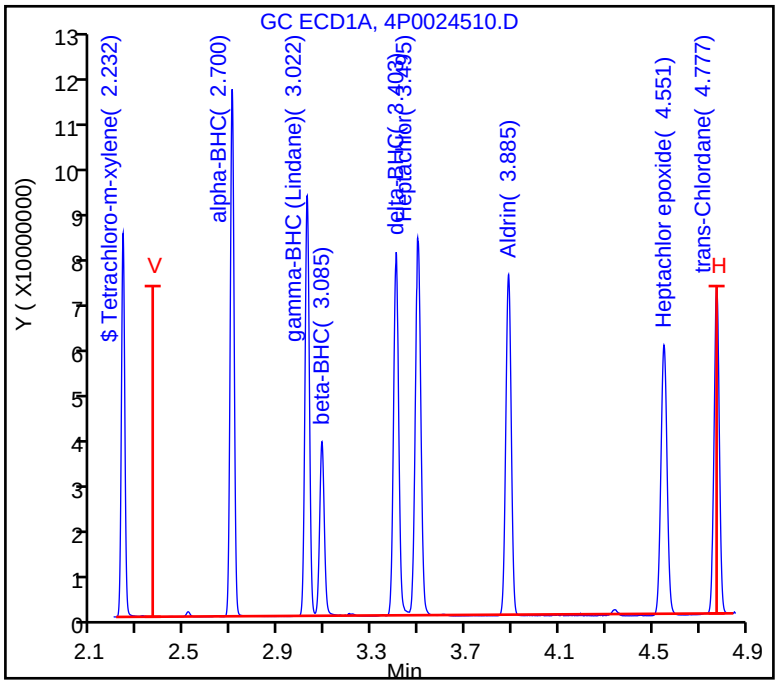
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

$ 4 Tetrachloro-m-xylene - 9 trans-Chlordane

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 68341472
H(Smaller Peak Height) = 67655776

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

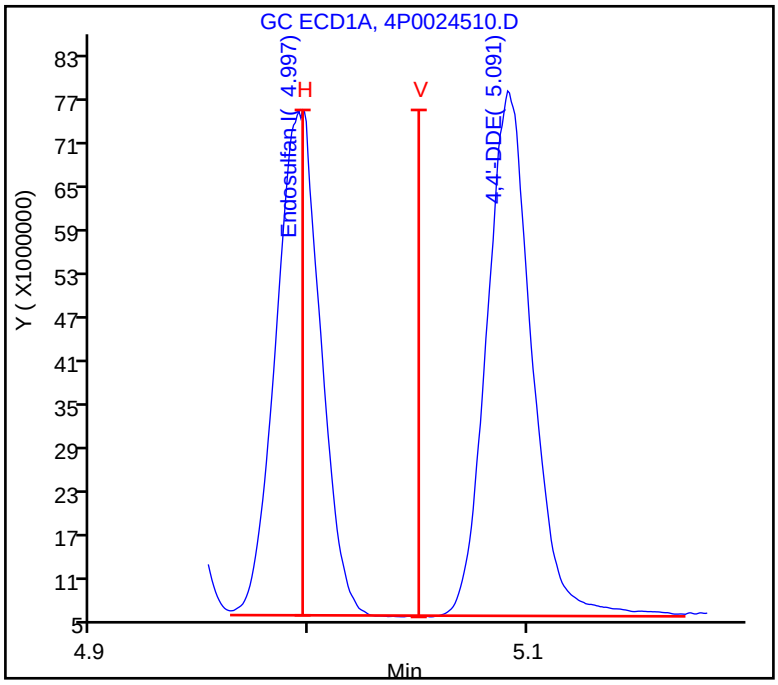
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

7 Endosulfan I - 25 4,4'-DDE

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 69923200
H(Smaller Peak Height) = 70152416

%Resolution = 99.7, Min. Resolution > 100.0
Failed



Resolution Report

Eurofins TestAmerica, Edison

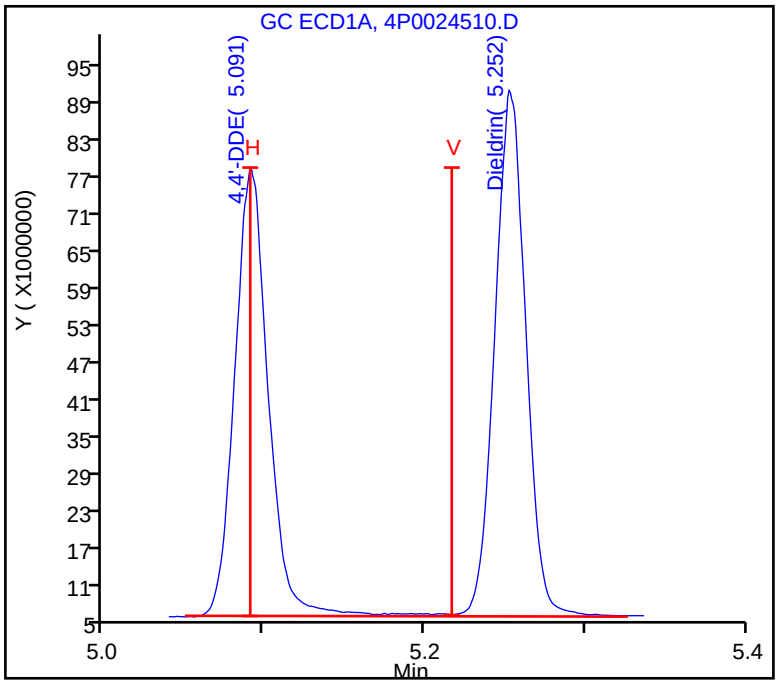
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

25 4,4'-DDE - 30 Dieldrin

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 72245184
H(Smaller Peak Height) = 72694048

%Resolution = 99.4, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

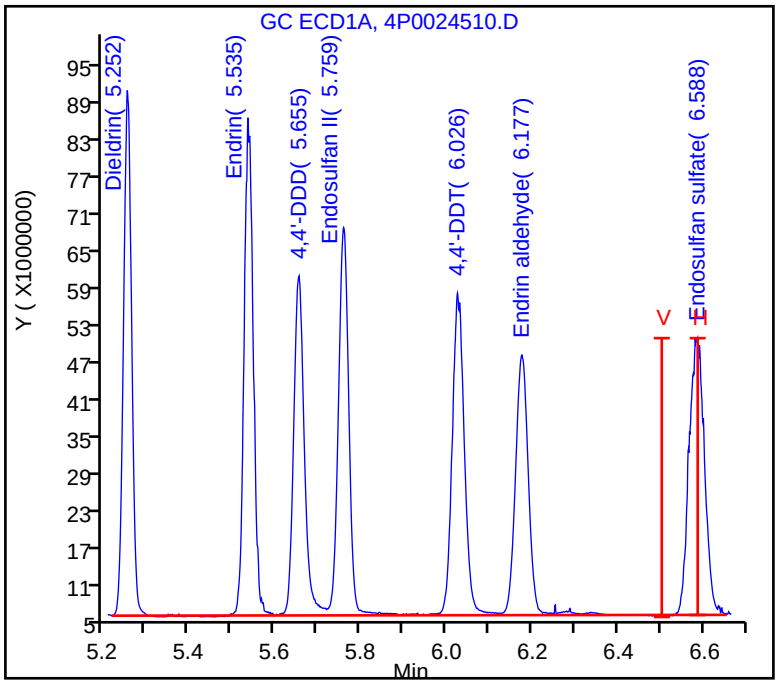
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

30 Dieldrin - 3 Endosulfan sulfate

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 44931200
H(Smaller Peak Height) = 44621848

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

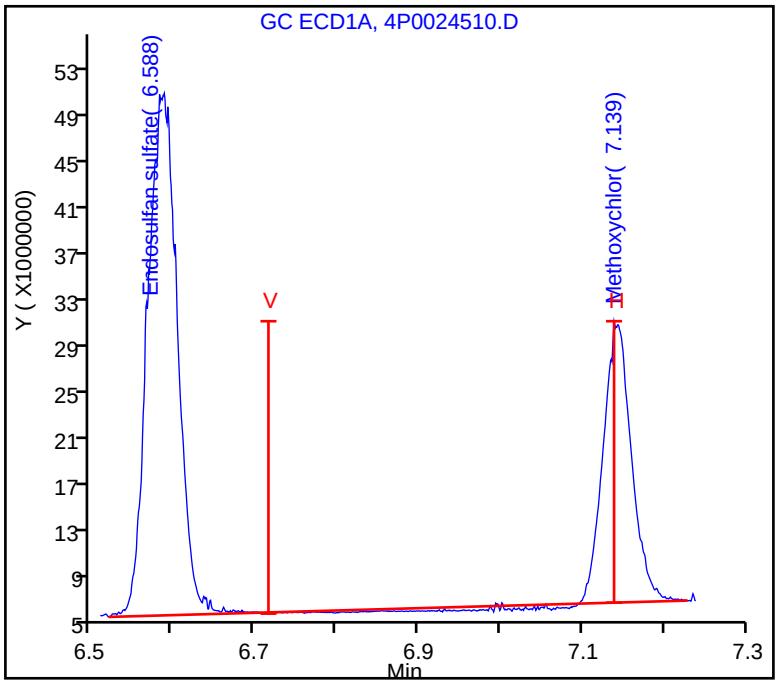
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

3 Endosulfan sulfate - 10 Methoxychlor

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 25087328
H(Smaller Peak Height) = 24146614

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

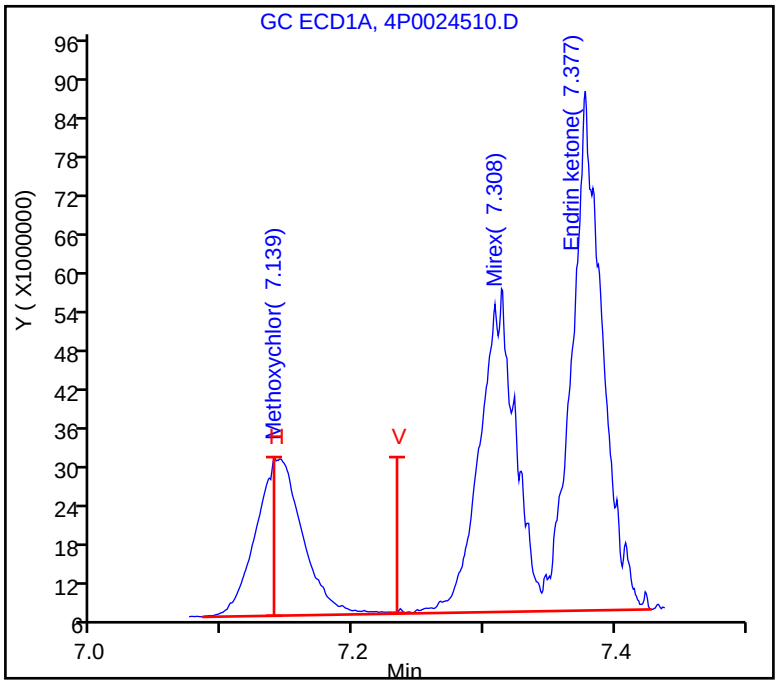
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

10 Methoxychlor - 13 Endrin ketone

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 24024448
H(Smaller Peak Height) = 24475310

%Resolution = 98.2, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

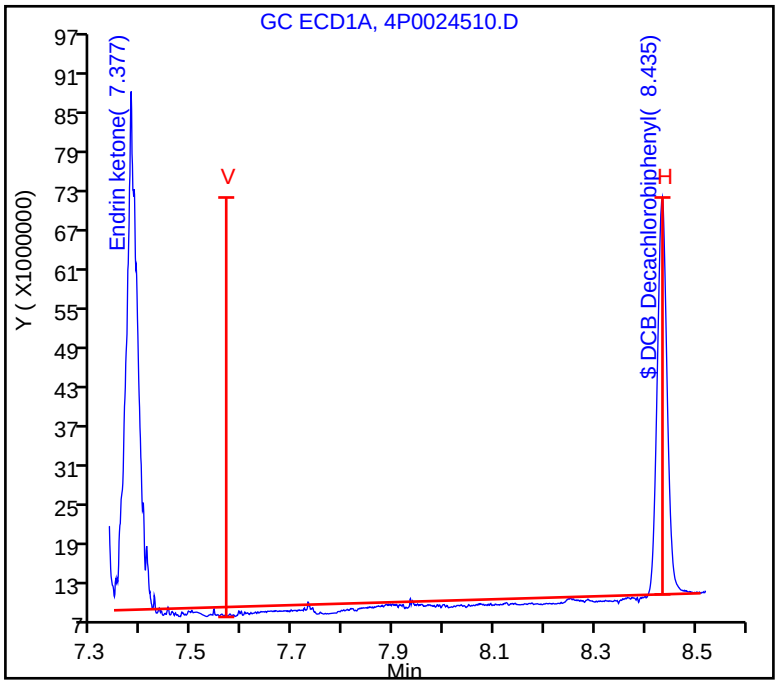
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

13 Endrin ketone - $ 24 DCB Decachlorobiphenyl

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 64292288
H(Smaller Peak Height) = 60830296

%Resolution = 100.0, Min. Resolution > 60.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID (1): CCVIS 460-665293/3 Instrument ID (1): CPESTGC4

GC Column (1): Rtx-CLP ID: 0.53(mm) Date Analyzed (1): 12/27/2019 03:50

ANALYTE	RT	RESOLUTION (%)
Tetrachloro-m-xylene	1.87	100.00
4,4'-DDE	3.92	96.10
Endosulfan I	3.99	100.00
Dieldrin	4.25	100.00
Methoxychlor	5.37	98.50
Endosulfan sulfate	5.57	100.00
Endrin ketone	5.85	100.00

Resolution Report

Eurofins TestAmerica, Edison

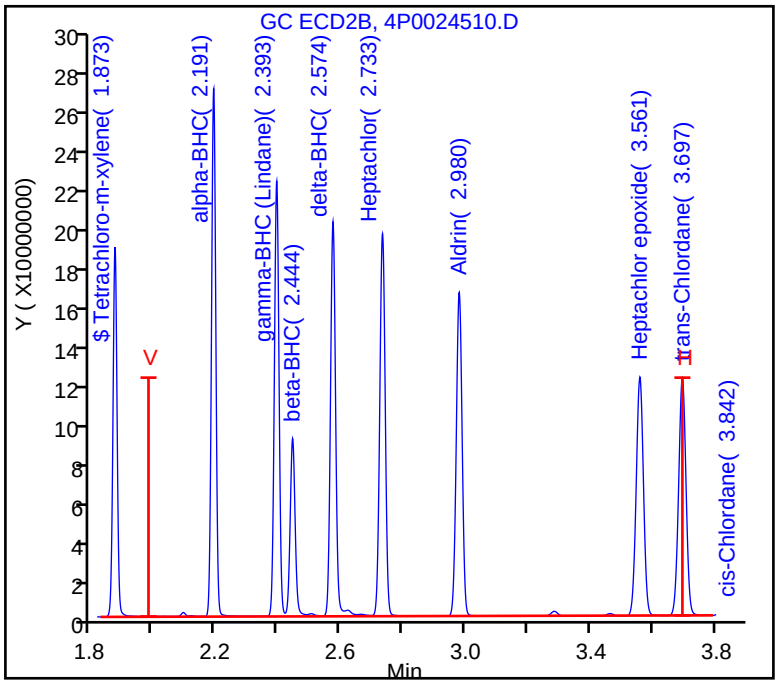
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

$ 4 Tetrachloro-m-xylene - 9 trans-Chlordane

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 117936160
H(Smaller Peak Height) = 117417040

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

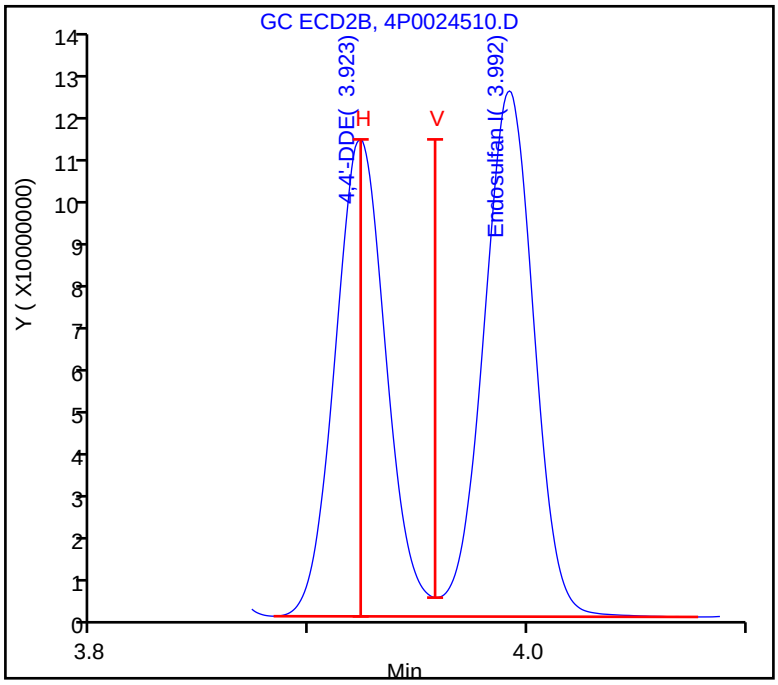
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

25 4,4'-DDE - 7 Endosulfan I

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 97682272
H(Smaller Peak Height) = 101675904

%Resolution = 96.1, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

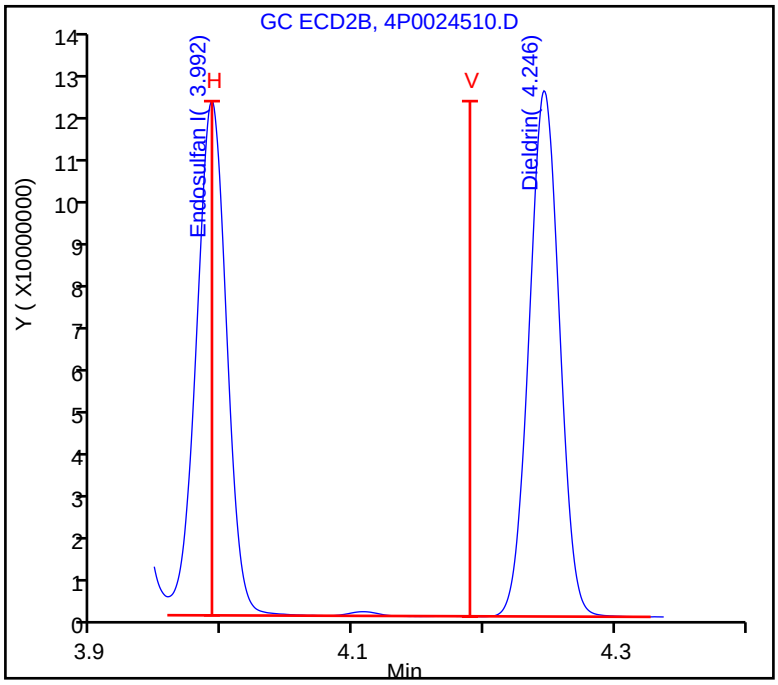
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

7 Endosulfan I - 30 Dieldrin

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 112335328
H(Smaller Peak Height) = 112045784

%Resolution = 100.0, Min. Resolution > 100.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

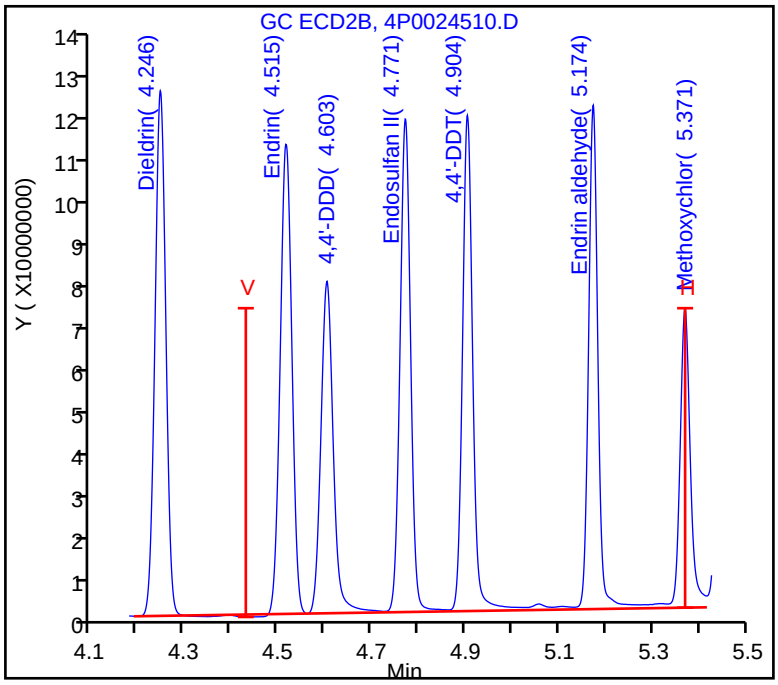
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

30 Dieldrin - 10 Methoxychlor

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 67320896
H(Smaller Peak Height) = 65296232

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Report Date: 30-Dec-2019 04:14:26 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Resolution Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D

Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4

Lims ID: CCVIS

Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

10 Methoxychlor - 3 Endosulfan sulfate

CLP Method

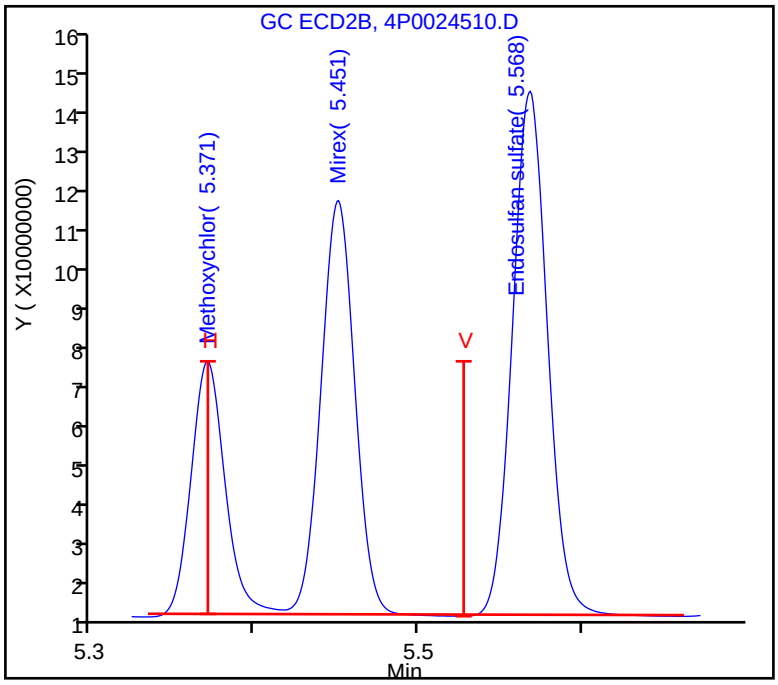
%Resolution = (V/H) * 100

V(Valley Height) = 64320096

H(Smaller Peak Height) = 65269912

%Resolution = 98.5, Min. Resolution > 60.0

Passed



Resolution Report

Eurofins TestAmerica, Edison

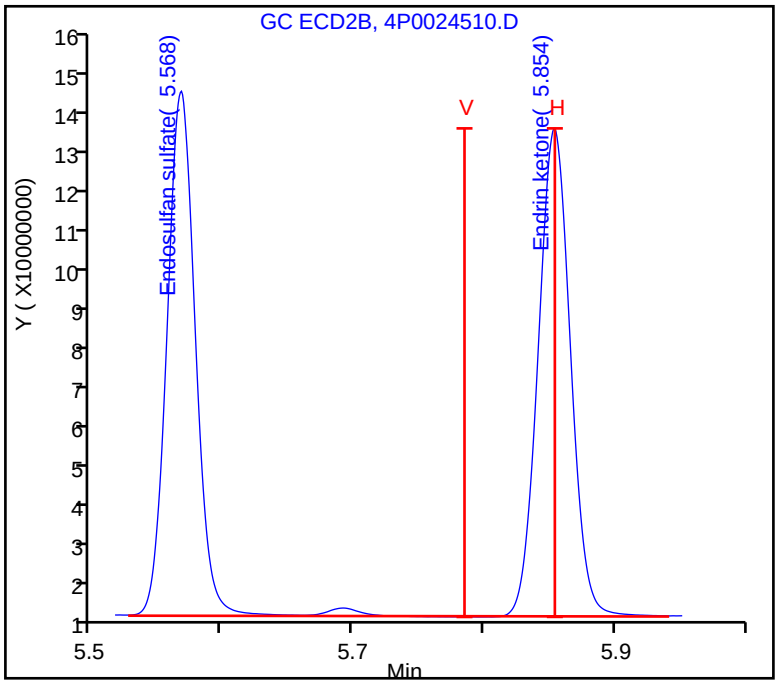
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

3 Endosulfan sulfate - 13 Endrin ketone

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 123509088
H(Smaller Peak Height) = 123491904

%Resolution = 100.0, Min. Resolution > 60.0
Passed



Resolution Report

Eurofins TestAmerica, Edison

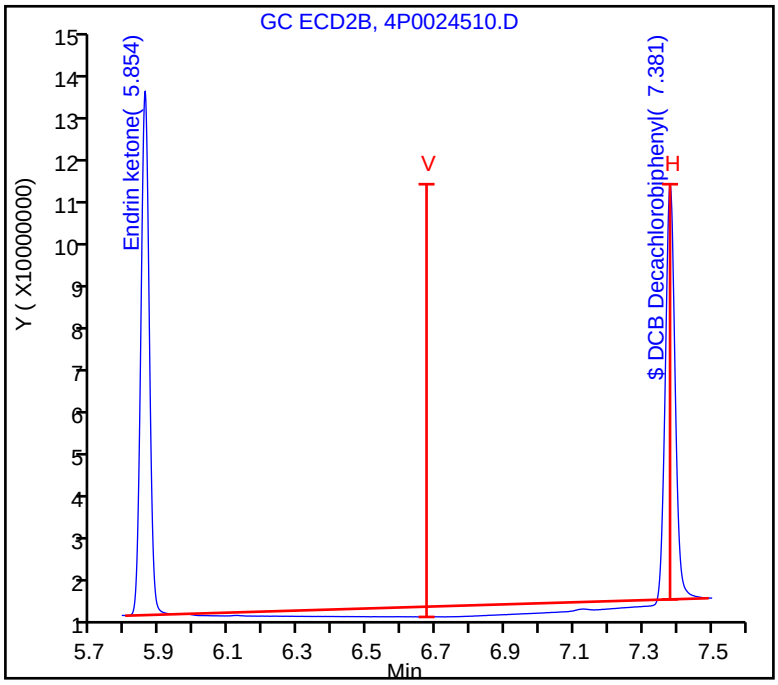
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

13 Endrin ketone - $ 24 DCB Decachlorobiphenyl

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 101968736
H(Smaller Peak Height) = 97831568

%Resolution = 100.0, Min. Resolution > 60.0
Passed



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: PEM 460-665293/2 Calibration Date: 12/27/2019 03:34

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024509.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.54	259610846	3.06	15	
Endrin aldehyde	6.17	1813696			
Endrin ketone	7.38	6383743			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	6.03	240754706	2.96	15	
4,4'-DDD	5.65	3866493			
4,4'-DDE	5.09	3472053			

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024509.D
Lims ID: PEM
Client ID:
Sample Type: PEM
Inject. Date: 27-Dec-2019 03:34:34 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: PEM
Operator ID: Instrument ID: CPESTGC4
Sublist:

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 03:43:12 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:11:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.679	1.685	-0.006	62649361	100.0	100.0	
2	1.507	1.513	-0.006	134477038	100.0	100.0	
						RPD = 0.00	
25 4,4'-DDE							
1	5.088	5.098	-0.010	3472053		3.67	
2	3.920	3.932	-0.012	5022769		3.36	
						RPD = 8.90	
20 Endrin							
1	5.535	5.543	-0.008	259610846	500000	270.6	
2	4.512	4.525	-0.013	455246243	500000	296.8	
						RPD = 9.24	
16 4,4'-DDD							
1	5.652	5.659	-0.007	3866493		4.63	
2	4.598	4.612	-0.014	1874969		1.47	
						RPD = 103.51	
21 4,4'-DDT							
1	6.026	6.033	-0.007	240754706	500000	258.1	
2	4.902	4.912	-0.010	418328432	500000	277.3	
						RPD = 7.15	
5 Endrin aldehyde							
1	6.174	6.183	-0.009	1813696		2.54	
2	5.172	5.180	-0.008	1814475		1.34	
						RPD = 61.93	
13 Endrin ketone							
1	7.379	7.384	-0.005	6383743		6.44	
2	5.851	5.859	-0.008	8966099		4.78	
						RPD = 29.58	

Reagents:

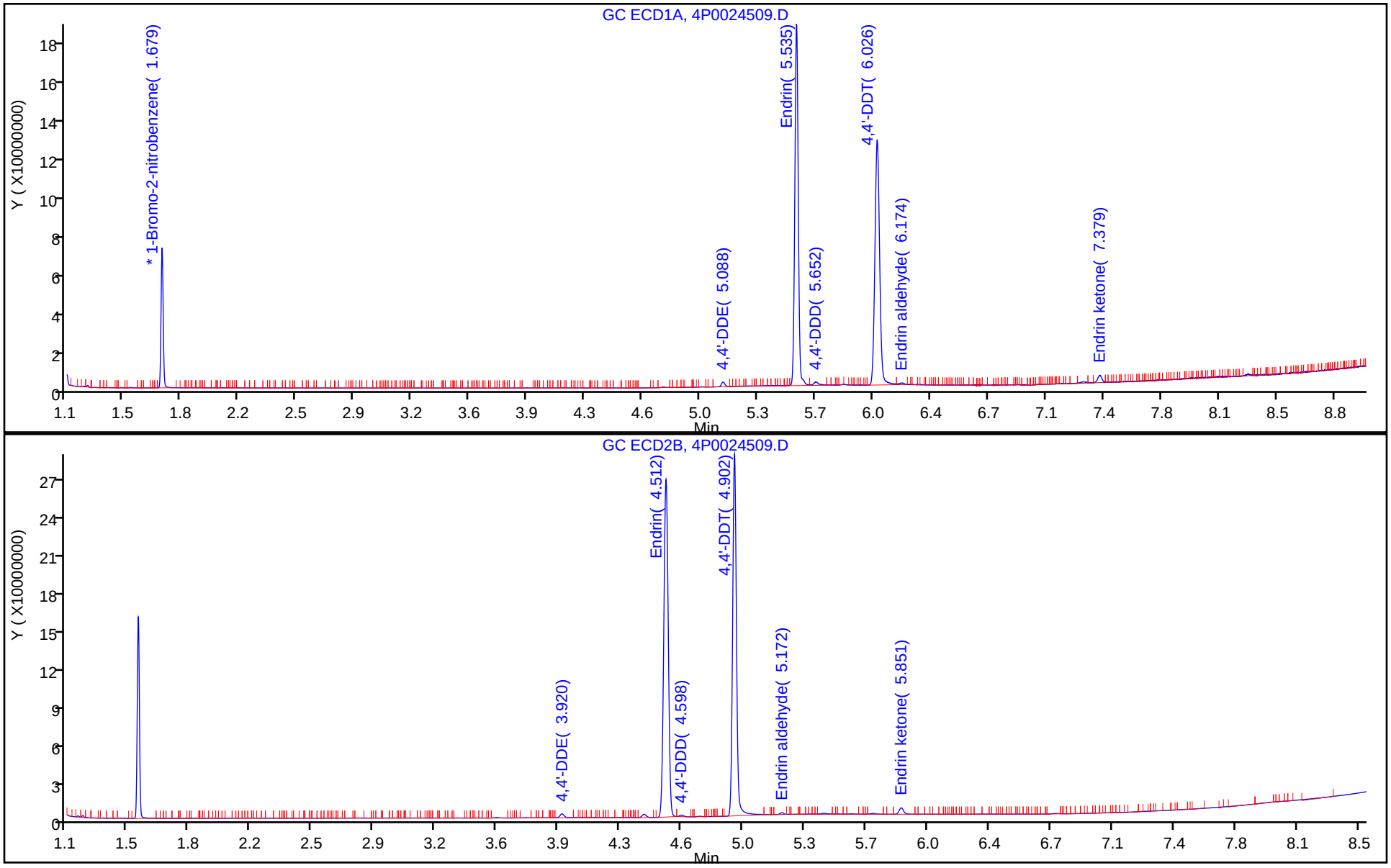
SGDDT/E_00015	Amount Added:	1.00	Units: mL	
SGPESTISTD_00012	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:22 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024509.D

Injection Date:	27-Dec-2019 03:34:34	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	PEM			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: PEM 460-665293/2 Calibration Date: 12/27/2019 03:34

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024509.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.51	455246243	2.31	15	
Endrin aldehyde	5.17	1814475			
Endrin ketone	5.85	8966099			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	4.90	418328432	1.62	15	
4,4'-DDD	4.60	1874969			
4,4'-DDE	3.92	5022769			

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024509.D
Lims ID: PEM
Client ID:
Sample Type: PEM
Inject. Date: 27-Dec-2019 03:34:34 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: PEM
Operator ID: Instrument ID: CPESTGC4
Sublist:

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 03:43:12 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:11:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.679	1.685	-0.006	62649361	100.0	100.0	
2	1.507	1.513	-0.006	134477038	100.0	100.0	
						RPD = 0.00	
25 4,4'-DDE							
1	5.088	5.098	-0.010	3472053		3.67	
2	3.920	3.932	-0.012	5022769		3.36	
						RPD = 8.90	
20 Endrin							
1	5.535	5.543	-0.008	259610846	500000	270.6	
2	4.512	4.525	-0.013	455246243	500000	296.8	
						RPD = 9.24	
16 4,4'-DDD							
1	5.652	5.659	-0.007	3866493		4.63	
2	4.598	4.612	-0.014	1874969		1.47	
						RPD = 103.51	
21 4,4'-DDT							
1	6.026	6.033	-0.007	240754706	500000	258.1	
2	4.902	4.912	-0.010	418328432	500000	277.3	
						RPD = 7.15	
5 Endrin aldehyde							
1	6.174	6.183	-0.009	1813696		2.54	
2	5.172	5.180	-0.008	1814475		1.34	
						RPD = 61.93	
13 Endrin ketone							
1	7.379	7.384	-0.005	6383743		6.44	
2	5.851	5.859	-0.008	8966099		4.78	
						RPD = 29.58	

Reagents:

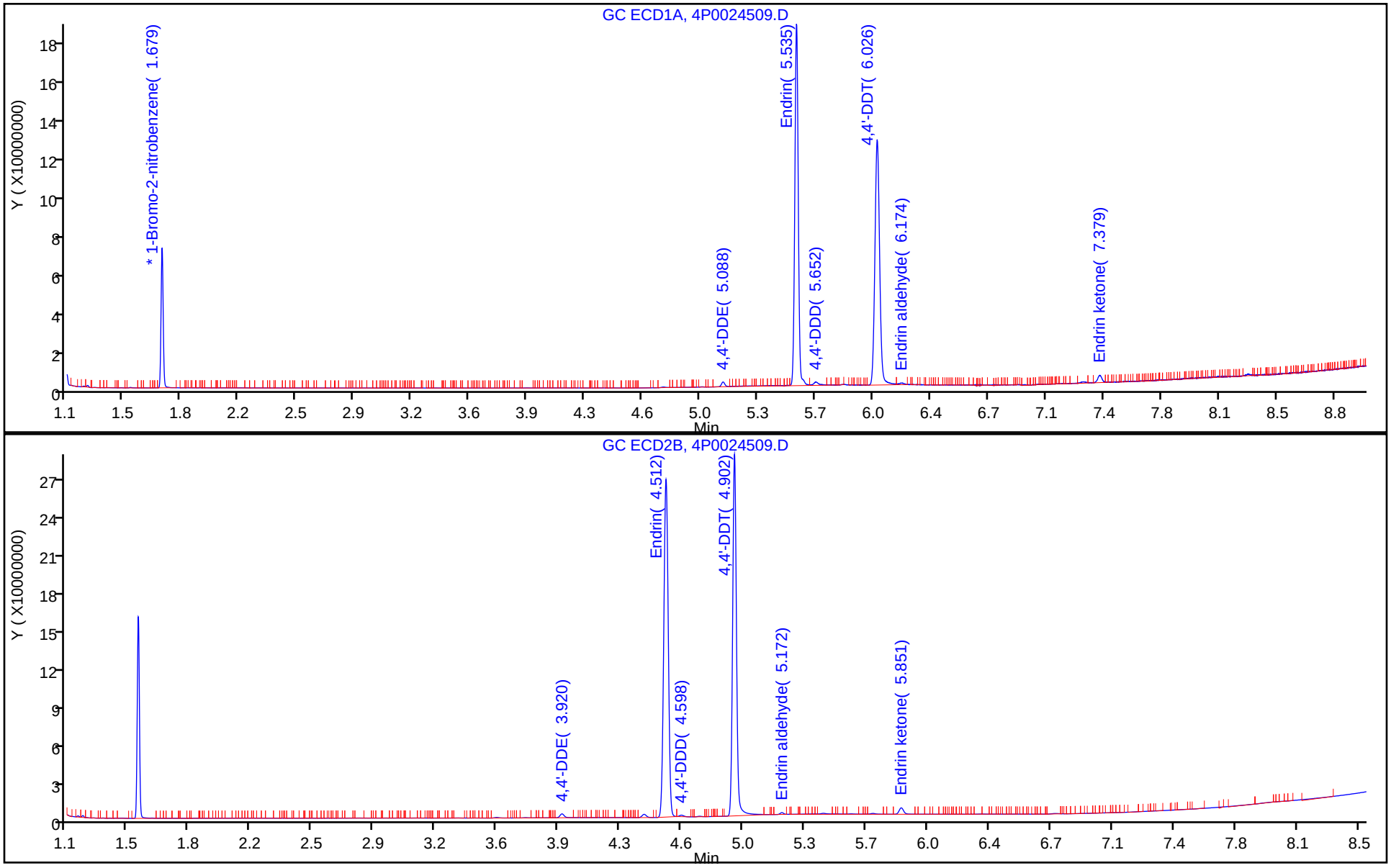
SGDDT/E_00015	Amount Added: 1.00	Units: mL	
SGPESTISTD_00012	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:22 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024509.D

Injection Date:	27-Dec-2019 03:34:34	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	PEM			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665293/3 Calibration Date: 12/27/2019 03:50

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024510.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.746	1.852		106	100	6.1	20.0
gamma-BHC (Lindane)	Ave	1.643	1.653		101	100	0.6	20.0
beta-BHC	Ave	0.7036	0.7278		103	100	3.4	20.0
delta-BHC	Ave	1.571	1.689		107	100	7.5	20.0
Heptachlor	Ave	1.684	1.890		112	100	12.2	20.0
Aldrin	Ave	1.601	1.660		104	100	3.7	20.0
Heptachlor epoxide	Ave	1.478	1.495		101	100	1.1	20.0
trans-Chlordane	Ave	1.524	1.537		101	100	0.9	20.0
cis-Chlordane	Ave	1.454	1.455		100	100	0.0	20.0
Endosulfan I	Ave	1.381	1.462		106	100	5.9	20.0
4,4'-DDE	Ave	1.509	1.536		102	100	1.8	20.0
Dieldrin	Ave	1.643	1.655		101	100	0.8	20.0
Endrin	Ave	1.531	1.750		114	100	14.3	20.0
4,4'-DDD	Ave	1.332	1.379		104	100	3.5	20.0
Endosulfan II	Ave	1.395	1.520		109	100	9.0	20.0
4,4'-DDT	Ave	1.489	1.468		98.6	100	-1.4	20.0
Endrin aldehyde	Ave	1.139	1.250		110	100	9.8	20.0
Endosulfan sulfate	Ave	1.375	1.640		119	100	19.3	20.0
Methoxychlor	Ave	0.7821	0.8595		110	100	9.9	20.0
Mirex	Ave	1.139	1.326		116	100	16.4	20.0
Endrin ketone	Ave	1.583	1.859		117	100	17.4	20.0
Tetrachloro-m-xylene	Ave	1.135	1.177		104	100	3.7	20.0
DCB Decachlorobiphenyl	Ave	1.285	1.219		94.9	100	-5.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665293/3 Calibration Date: 12/27/2019 03:50

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024510.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.70	2.69	2.71
gamma-BHC (Lindane)	3.02	3.01	3.03
beta-BHC	3.09	3.08	3.10
delta-BHC	3.40	3.39	3.41
Heptachlor	3.50	3.49	3.51
Aldrin	3.89	3.88	3.90
Heptachlor epoxide	4.55	4.54	4.56
trans-Chlordane	4.78	4.77	4.79
cis-Chlordane	4.93	4.92	4.94
Endosulfan I	5.00	4.99	5.01
4,4'-DDE	5.09	5.08	5.10
Dieldrin	5.25	5.24	5.26
Endrin	5.54	5.53	5.55
4,4'-DDD	5.66	5.65	5.67
Endosulfan II	5.76	5.75	5.77
4,4'-DDT	6.03	6.02	6.04
Endrin aldehyde	6.18	6.17	6.19
Endosulfan sulfate	6.59	6.58	6.60
Methoxychlor	7.14	7.13	7.15
Mirex	7.31	7.24	7.38
Endrin ketone	7.38	7.31	7.45
Tetrachloro-m-xylene	2.23	2.22	2.24
DCB Decachlorobiphenyl	8.44	8.34	8.54

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Dec-2019 03:50:03 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:25 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:12:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.679	1.679	0.000	69420185	100.0	100.0	
2	1.507	1.507	0.000	155424832	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.232	2.232	0.000	81732797	100.0	103.7	
2	1.873	1.873	0.000	170633035	100.0	108.5	
						RPD = 4.56	
15 alpha-BHC							
1	2.700	2.700	0.000	128548352	100.0	106.1	
2	2.191	2.191	0.000	253833996	100.0	109.3	
						RPD = 3.04	
2 gamma-BHC (Lindane)							
1	3.022	3.022	0.000	114765198	100.0	100.6	
2	2.393	2.393	0.000	226856218	100.0	105.4	
						RPD = 4.67	
6 beta-BHC							
1	3.085	3.085	0.000	50522536	100.0	103.4	
2	2.444	2.444	0.000	99230068	100.0	104.6	
						RPD = 1.14	
32 delta-BHC							
1	3.403	3.403	0.000	117238855	100.0	107.5	
2	2.574	2.574	0.000	223727726	100.0	106.1	
						RPD = 1.25	
18 Heptachlor							
1	3.495	3.495	0.000	131217376	100.0	112.2	
2	2.733	2.733	0.000	233414800	100.0	107.1	
						RPD = 4.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.885	3.885	0.000	115260956	100.0	103.7	
2	2.980	2.980	0.000	210039070	100.0	106.3	
						RPD = 2.50	
12 Heptachlor epoxide							
1	4.551	4.551	0.000	103764364	100.0	101.1	
2	3.561	3.561	0.000	191700904	100.0	102.6	
						RPD = 1.48	
9 trans-Chlordane							
1	4.777	4.777	0.000	106701500	100.0	100.9	
2	3.697	3.697	0.000	194309029	100.0	102.4	
						RPD = 1.48	
23 cis-Chlordane							
1	4.932	4.932	0.000	101012643	100.0	100.1	
2	3.842	3.842	0.000	184099892	100.0	101.2	
						RPD = 1.12	
7 Endosulfan I							
1	4.997	4.997	0.000	101513100	100.0	105.9	
2	3.992	3.992	0.000	180954722	100.0	105.0	
						RPD = 0.82	
25 4,4'-DDE							
1	5.091	5.091	0.000	106599622	100.0	101.8	
2	3.923	3.923	0.000	165662411	100.0	95.9	
						RPD = 5.96	
30 Dieldrin							
1	5.252	5.252	0.000	114908262	100.0	100.8	
2	4.246	4.246	0.000	185917941	100.0	98.7	
						RPD = 2.08	
20 Endrin							
1	5.535	5.535	0.000	121491307	100.0	114.3	
2	4.515	4.515	0.000	179806964	100.0	101.4	
						RPD = 11.91	
16 4,4'-DDD							
1	5.655	5.655	0.000	95762818	100.0	103.5	
2	4.603	4.603	0.000	133085756	100.0	90.4	
						RPD = 13.50	
11 Endosulfan II							
1	5.759	5.759	0.000	105500479	100.0	109.0	
2	4.771	4.771	0.000	167681356	100.0	97.8	
						RPD = 10.79	
21 4,4'-DDT							
1	6.026	6.026	0.000	101924454	100.0	98.6	
2	4.904	4.904	0.000	162771717	100.0	93.4	
						RPD = 5.50	
5 Endrin aldehyde							
1	6.177	6.177	0.000	86797169	100.0	109.8	
2	5.174	5.174	0.000	151734292	100.0	96.9	
						RPD = 12.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.588	6.588	0.000	113859793	100.0	119.3	
2	5.568	5.568	0.000	204951034	100.0	105.6	
						RPD = 12.21	
10 Methoxychlor							
1	7.139	7.139	0.000	59669688	100.0	109.9	
2	5.371	5.371	0.000	98941716	100.0	93.4	
						RPD = 16.24	
34 Mirex							
1	7.308	7.308	0.000	92037223	100.0	116.4	
2	5.451	5.451	0.000	158398220	100.0	103.6	
						RPD = 11.64	
13 Endrin ketone							
1	7.377	7.377	0.000	129036131	100.0	117.4	
2	5.854	5.854	0.000	212352868	100.0	97.9	
						RPD = 18.12	
$ 24 DCB Decachlorobiphenyl							
1	8.435	8.435	0.000	84621074	100.0	94.9	
2	7.381	7.381	0.000	199913861	100.0	94.2	
						RPD = 0.73	

Reagents:

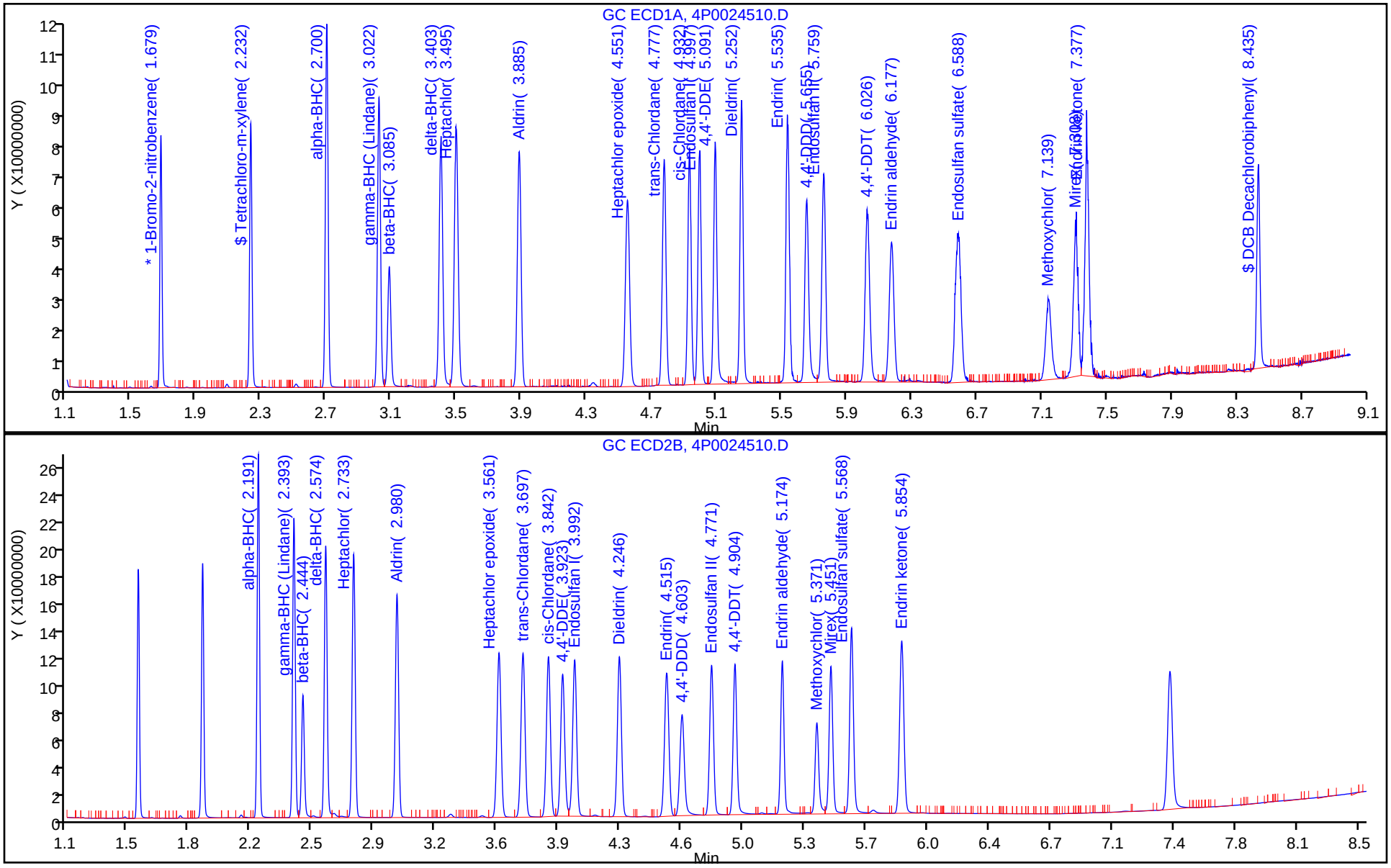
SGPESTL3_00034	Amount Added: 1.00	Units: mL	
SGPESTISTD_00012	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:26 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D

Injection Date:	27-Dec-2019 03:50:03	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665293/3 Calibration Date: 12/27/2019 03:50

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024510.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.494	1.633		109	100	9.3	20.0
gamma-BHC (Lindane)	Ave	1.385	1.460		105	100	5.4	20.0
beta-BHC	Ave	0.6102	0.6384		105	100	4.6	20.0
delta-BHC	Ave	1.356	1.439		106	100	6.1	20.0
Heptachlor	Ave	1.403	1.502		107	100	7.1	20.0
Aldrin	Ave	1.271	1.351		106	100	6.3	20.0
Heptachlor epoxide	Ave	1.202	1.233		103	100	2.6	20.0
trans-Chlordane	Ave	1.221	1.250		102	100	2.4	20.0
cis-Chlordane	Ave	1.171	1.184		101	100	1.2	20.0
4,4'-DDE	Ave	1.112	1.066		95.9	100	-4.1	20.0
Endosulfan I	Ave	1.109	1.164		105	100	5.0	20.0
Dieldrin	Ave	1.212	1.196		98.7	100	-1.3	20.0
Endrin	Ave	1.141	1.157		101	100	1.4	20.0
4,4'-DDD	Ave	0.9468	0.8563		90.4	100	-9.6	20.0
Endosulfan II	Ave	1.103	1.079		97.8	100	-2.2	20.0
4,4'-DDT	Ave	1.122	1.047		93.4	100	-6.6	20.0
Endrin aldehyde	Ave	1.007	0.9763		96.9	100	-3.1	20.0
Methoxychlor	Ave	0.6816	0.6366		93.4	100	-6.6	20.0
Mirex	Ave	0.9841	1.019		104	100	3.6	20.0
Endosulfan sulfate	Ave	1.249	1.319		106	100	5.6	20.0
Endrin ketone	Ave	1.395	1.366		97.9	100	-2.1	20.0
Tetrachloro-m-xylene	Ave	1.011	1.098		109	100	8.5	20.0
DCB Decachlorobiphenyl	Ave	1.366	1.286		94.2	100	-5.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCVIS 460-665293/3 Calibration Date: 12/27/2019 03:50

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024510.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.19	2.18	2.20
gamma-BHC (Lindane)	2.39	2.38	2.40
beta-BHC	2.44	2.43	2.45
delta-BHC	2.57	2.56	2.58
Heptachlor	2.73	2.72	2.74
Aldrin	2.98	2.97	2.99
Heptachlor epoxide	3.56	3.55	3.57
trans-Chlordane	3.70	3.69	3.71
cis-Chlordane	3.84	3.83	3.85
4,4'-DDE	3.92	3.91	3.93
Endosulfan I	3.99	3.98	4.00
Dieldrin	4.25	4.24	4.26
Endrin	4.52	4.51	4.53
4,4'-DDD	4.60	4.59	4.61
Endosulfan II	4.77	4.76	4.78
4,4'-DDT	4.90	4.89	4.91
Endrin aldehyde	5.17	5.16	5.18
Methoxychlor	5.37	5.36	5.38
Mirex	5.45	5.38	5.52
Endosulfan sulfate	5.57	5.56	5.58
Endrin ketone	5.85	5.78	5.92
Tetrachloro-m-xylene	1.87	1.86	1.88
DCB Decachlorobiphenyl	7.38	7.28	7.48

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Dec-2019 03:50:03 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub15

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:25 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:12:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.679	1.679	0.000	69420185	100.0	100.0	
2	1.507	1.507	0.000	155424832	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.232	2.232	0.000	81732797	100.0	103.7	
2	1.873	1.873	0.000	170633035	100.0	108.5	
						RPD = 4.56	
15 alpha-BHC							
1	2.700	2.700	0.000	128548352	100.0	106.1	
2	2.191	2.191	0.000	253833996	100.0	109.3	
						RPD = 3.04	
2 gamma-BHC (Lindane)							
1	3.022	3.022	0.000	114765198	100.0	100.6	
2	2.393	2.393	0.000	226856218	100.0	105.4	
						RPD = 4.67	
6 beta-BHC							
1	3.085	3.085	0.000	50522536	100.0	103.4	
2	2.444	2.444	0.000	99230068	100.0	104.6	
						RPD = 1.14	
32 delta-BHC							
1	3.403	3.403	0.000	117238855	100.0	107.5	
2	2.574	2.574	0.000	223727726	100.0	106.1	
						RPD = 1.25	
18 Heptachlor							
1	3.495	3.495	0.000	131217376	100.0	112.2	
2	2.733	2.733	0.000	233414800	100.0	107.1	
						RPD = 4.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.885	3.885	0.000	115260956	100.0	103.7	
2	2.980	2.980	0.000	210039070	100.0	106.3	
						RPD = 2.50	
12 Heptachlor epoxide							
1	4.551	4.551	0.000	103764364	100.0	101.1	
2	3.561	3.561	0.000	191700904	100.0	102.6	
						RPD = 1.48	
9 trans-Chlordane							
1	4.777	4.777	0.000	106701500	100.0	100.9	
2	3.697	3.697	0.000	194309029	100.0	102.4	
						RPD = 1.48	
23 cis-Chlordane							
1	4.932	4.932	0.000	101012643	100.0	100.1	
2	3.842	3.842	0.000	184099892	100.0	101.2	
						RPD = 1.12	
7 Endosulfan I							
1	4.997	4.997	0.000	101513100	100.0	105.9	
2	3.992	3.992	0.000	180954722	100.0	105.0	
						RPD = 0.82	
25 4,4'-DDE							
1	5.091	5.091	0.000	106599622	100.0	101.8	
2	3.923	3.923	0.000	165662411	100.0	95.9	
						RPD = 5.96	
30 Dieldrin							
1	5.252	5.252	0.000	114908262	100.0	100.8	
2	4.246	4.246	0.000	185917941	100.0	98.7	
						RPD = 2.08	
20 Endrin							
1	5.535	5.535	0.000	121491307	100.0	114.3	
2	4.515	4.515	0.000	179806964	100.0	101.4	
						RPD = 11.91	
16 4,4'-DDD							
1	5.655	5.655	0.000	95762818	100.0	103.5	
2	4.603	4.603	0.000	133085756	100.0	90.4	
						RPD = 13.50	
11 Endosulfan II							
1	5.759	5.759	0.000	105500479	100.0	109.0	
2	4.771	4.771	0.000	167681356	100.0	97.8	
						RPD = 10.79	
21 4,4'-DDT							
1	6.026	6.026	0.000	101924454	100.0	98.6	
2	4.904	4.904	0.000	162771717	100.0	93.4	
						RPD = 5.50	
5 Endrin aldehyde							
1	6.177	6.177	0.000	86797169	100.0	109.8	
2	5.174	5.174	0.000	151734292	100.0	96.9	
						RPD = 12.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.588	6.588	0.000	113859793	100.0	119.3	
2	5.568	5.568	0.000	204951034	100.0	105.6	
						RPD = 12.21	
10 Methoxychlor							
1	7.139	7.139	0.000	59669688	100.0	109.9	
2	5.371	5.371	0.000	98941716	100.0	93.4	
						RPD = 16.24	
34 Mirex							
1	7.308	7.308	0.000	92037223	100.0	116.4	
2	5.451	5.451	0.000	158398220	100.0	103.6	
						RPD = 11.64	
13 Endrin ketone							
1	7.377	7.377	0.000	129036131	100.0	117.4	
2	5.854	5.854	0.000	212352868	100.0	97.9	
						RPD = 18.12	
$ 24 DCB Decachlorobiphenyl							
1	8.435	8.435	0.000	84621074	100.0	94.9	
2	7.381	7.381	0.000	199913861	100.0	94.2	
						RPD = 0.73	

Reagents:

SGPESTL3_00034	Amount Added: 1.00	Units: mL	
SGPESTISTD_00012	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:26 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024510.D

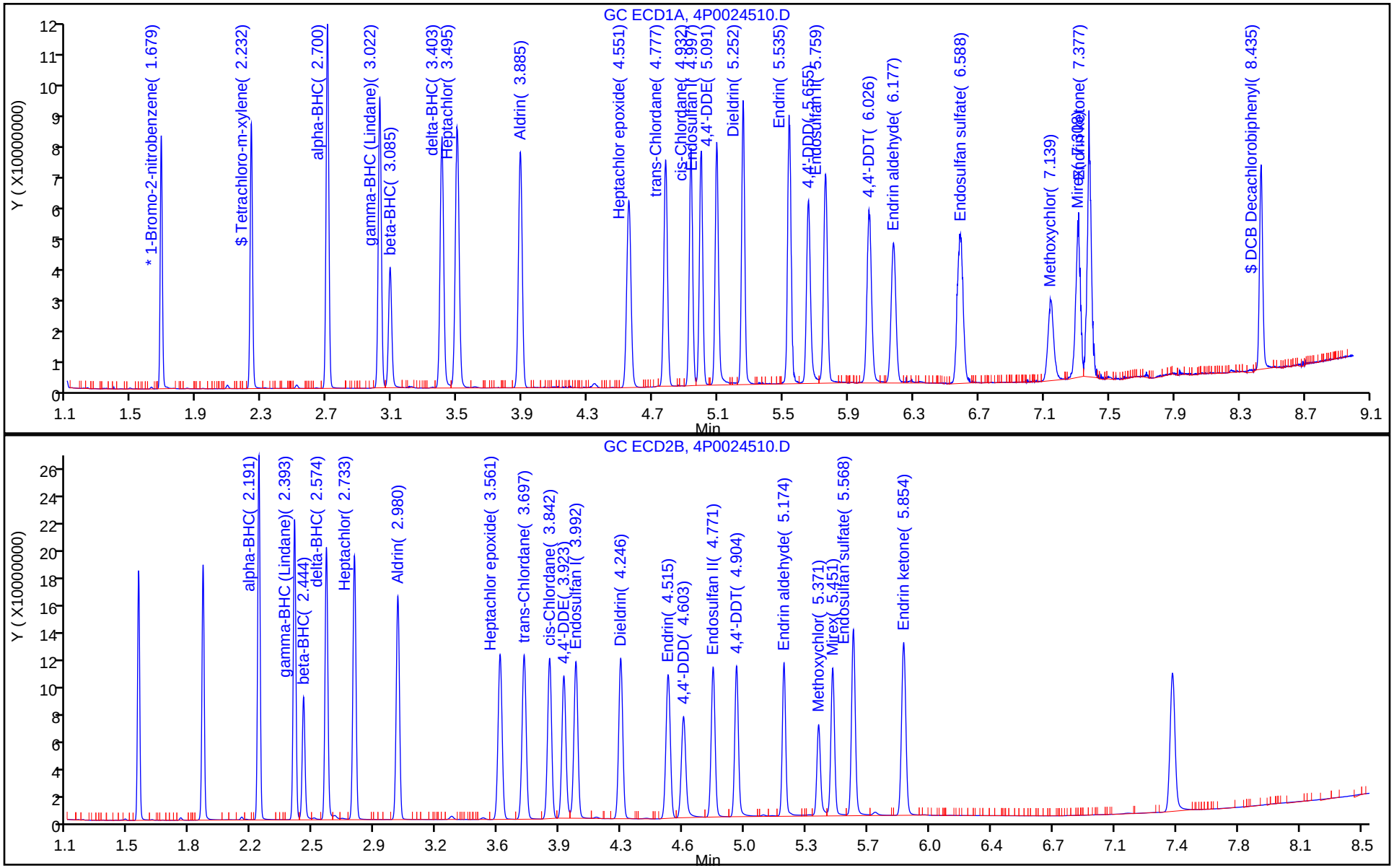
Injection Date: 27-Dec-2019 03:50:03 Instrument ID: CPESTGC4 Operator ID:

Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024511.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Ave	1.135	1.079		95.0	100	-5.0	20.0
DCB Decachlorobiphenyl	Ave	1.285	1.220		94.9	100	-5.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024511.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	2.23	2.22	2.24
DCB Decachlorobiphenyl	8.43	8.34	8.54

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D
Lims ID: CCV CHLOR
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:05:35 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CHLOR
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub28

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:28 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:18:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.681	1.679	0.002	73386945	100.0	100.0	
2	1.509	1.507	0.002	158210760	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.234	2.232	0.002	79181158	100.0	95.0	
2	1.875	1.873	0.002	156259134	100.0	97.7	
						RPD = 2.71	
38 Chlordane (n.o.s.)							
1	3.335	3.317	0.018	35886700	1000.0	947.5	
1	4.040	4.039	0.001	37920348	1000.0	950.7	
1	4.778	4.784	-0.006	128413660	1000.0	892.0	
1	4.878	4.881	-0.003	145546230	1000.0	931.7	
1	4.934	4.939	-0.005	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.671	0.004	60389496	1000.0	911.8	
2	3.095	3.079	0.016	71957342	1000.0	892.1	
2	3.492	3.474	0.018	44544601	1000.0	874.4	
2	3.700	3.707	-0.007	255420781	1000.0	924.3	
2	3.826	3.851	-0.025	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							
1	3.335	3.335	0.000	35886700	1000.0	947.5	
1	4.040	4.040	0.000	37920348	1000.0	950.7	
1	4.778	4.778	0.000	128413660	1000.0	892.0	
1	4.878	4.878	0.000	145546230	1000.0	931.7	
1	4.934	4.934	0.000	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.675	0.000	60389496	1000.0	911.8	
2	3.095	3.095	0.000	71957342	1000.0	892.1	
2	3.492	3.492	0.000	44544601	1000.0	874.4	
2	3.700	3.700	0.000	255420781	1000.0	924.3	
2	3.826	3.826	0.000	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	
$ 24 DCB Decachlorobiphenyl							
1	8.434	8.435	-0.001	89506215	100.0	94.9	
2	7.383	7.381	0.002	209796277	100.0	97.1	
						RPD = 2.27	

Reagents:

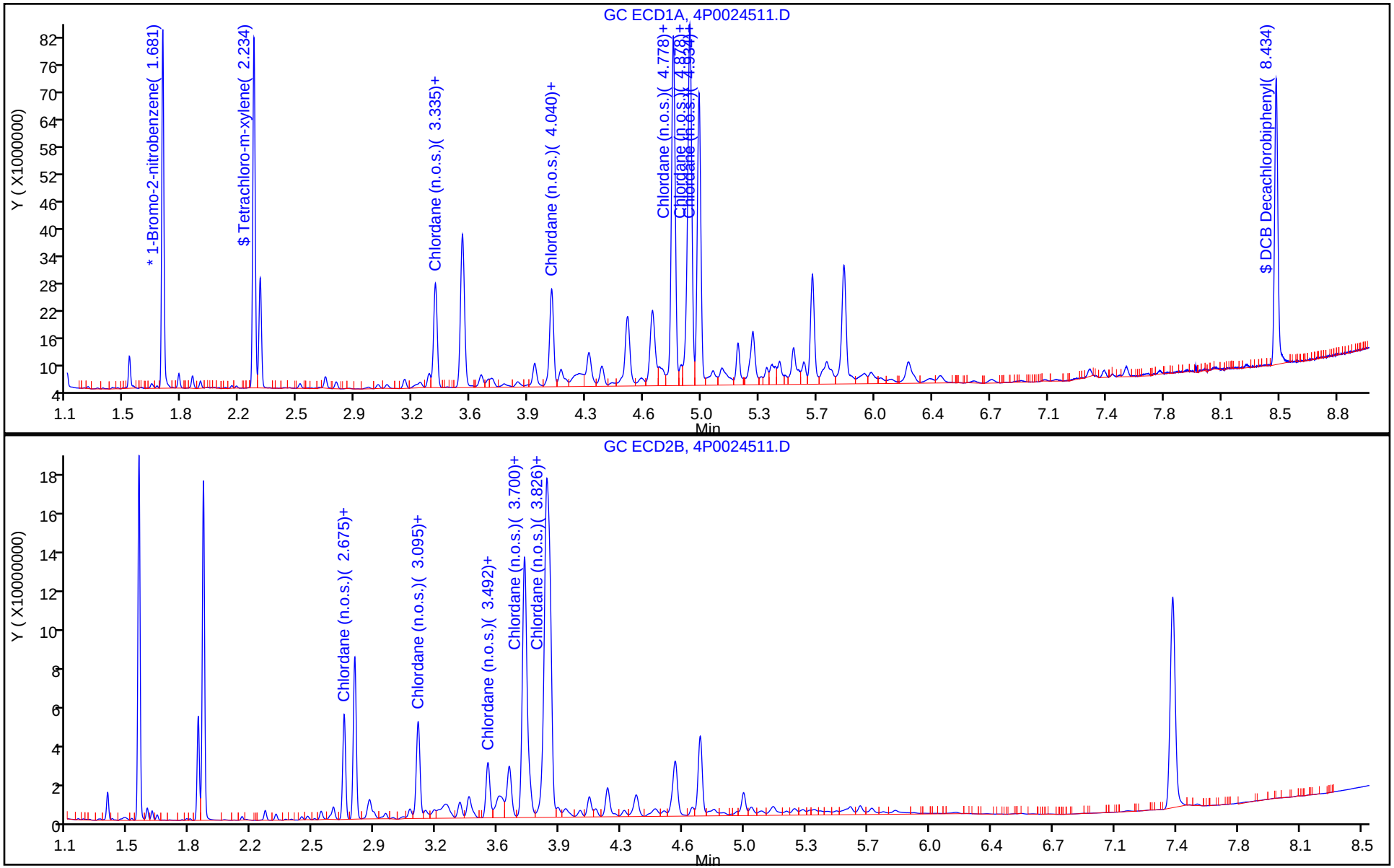
SGCHLORDANEL4_00004	Amount Added: 1.00	Units: mL	
SGPESTISTD_00012	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D

Injection Date:	27-Dec-2019 04:05:35	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV CHLOR			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 15:29

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 16:31

Lab File ID: 4P0024511.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (n.o.s.) Peak 1	Ave	0.0516	0.0489		948	1000	-5.2	20.0
Chlordane (technical) Peak 1	Ave	0.0516	0.0489		948	1000	-5.2	20.0
Chlordane (n.o.s.) Peak 2	Ave	0.0544	0.0517		951	1000	-4.9	20.0
Chlordane (technical) Peak 2	Ave	0.0544	0.0517		951	1000	-4.9	20.0
Chlordane (n.o.s.) Peak 3	Ave	0.1962	0.1750		892	1000	-10.8	20.0
Chlordane (technical) Peak 3	Ave	0.1962	0.1750		892	1000	-10.8	20.0
Chlordane (n.o.s.) Peak 4	Ave	0.2129	0.1983		932	1000	-6.8	20.0
Chlordane (technical) Peak 4	Ave	0.2129	0.1983		932	1000	-6.8	20.0
Chlordane (n.o.s.) Peak 5	Ave	0.1483	0.1348		909	1000	-9.1	20.0
Chlordane (technical) Peak 5	Ave	0.1483	0.1348		909	1000	-9.1	20.0
Chlordane (n.o.s.)	None		0.0489		926	1000	-7.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 15:29

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 16:31

Lab File ID: 4P0024511.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (n.o.s.) Peak 1	3.34	3.22	3.42
Chlordane (technical) Peak 1	3.34	3.33	3.35
Chlordane (n.o.s.) Peak 2	4.04	3.94	4.14
Chlordane (technical) Peak 2	4.04	4.03	4.05
Chlordane (n.o.s.) Peak 3	4.78	4.68	4.88
Chlordane (technical) Peak 3	4.78	4.77	4.79
Chlordane (n.o.s.) Peak 4	4.88	4.78	4.98
Chlordane (technical) Peak 4	4.88	4.87	4.89
Chlordane (n.o.s.) Peak 5	4.93	4.84	5.04
Chlordane (technical) Peak 5	4.93	4.92	4.94
Chlordane (n.o.s.)			

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D
Lims ID: CCV CHLOR
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:05:35 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CHLOR
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub28

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:28 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:18:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.681	1.679	0.002	73386945	100.0	100.0	
2	1.509	1.507	0.002	158210760	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.234	2.232	0.002	79181158	100.0	95.0	
2	1.875	1.873	0.002	156259134	100.0	97.7	
						RPD = 2.71	
38 Chlordane (n.o.s.)							
1	3.335	3.317	0.018	35886700	1000.0	947.5	
1	4.040	4.039	0.001	37920348	1000.0	950.7	
1	4.778	4.784	-0.006	128413660	1000.0	892.0	
1	4.878	4.881	-0.003	145546230	1000.0	931.7	
1	4.934	4.939	-0.005	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.671	0.004	60389496	1000.0	911.8	
2	3.095	3.079	0.016	71957342	1000.0	892.1	
2	3.492	3.474	0.018	44544601	1000.0	874.4	
2	3.700	3.707	-0.007	255420781	1000.0	924.3	
2	3.826	3.851	-0.025	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							
1	3.335	3.335	0.000	35886700	1000.0	947.5	
1	4.040	4.040	0.000	37920348	1000.0	950.7	
1	4.778	4.778	0.000	128413660	1000.0	892.0	
1	4.878	4.878	0.000	145546230	1000.0	931.7	
1	4.934	4.934	0.000	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.675	0.000	60389496	1000.0	911.8	
2	3.095	3.095	0.000	71957342	1000.0	892.1	
2	3.492	3.492	0.000	44544601	1000.0	874.4	
2	3.700	3.700	0.000	255420781	1000.0	924.3	
2	3.826	3.826	0.000	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	
$ 24 DCB Decachlorobiphenyl							
1	8.434	8.435	-0.001	89506215	100.0	94.9	
2	7.383	7.381	0.002	209796277	100.0	97.1	
						RPD = 2.27	

Reagents:

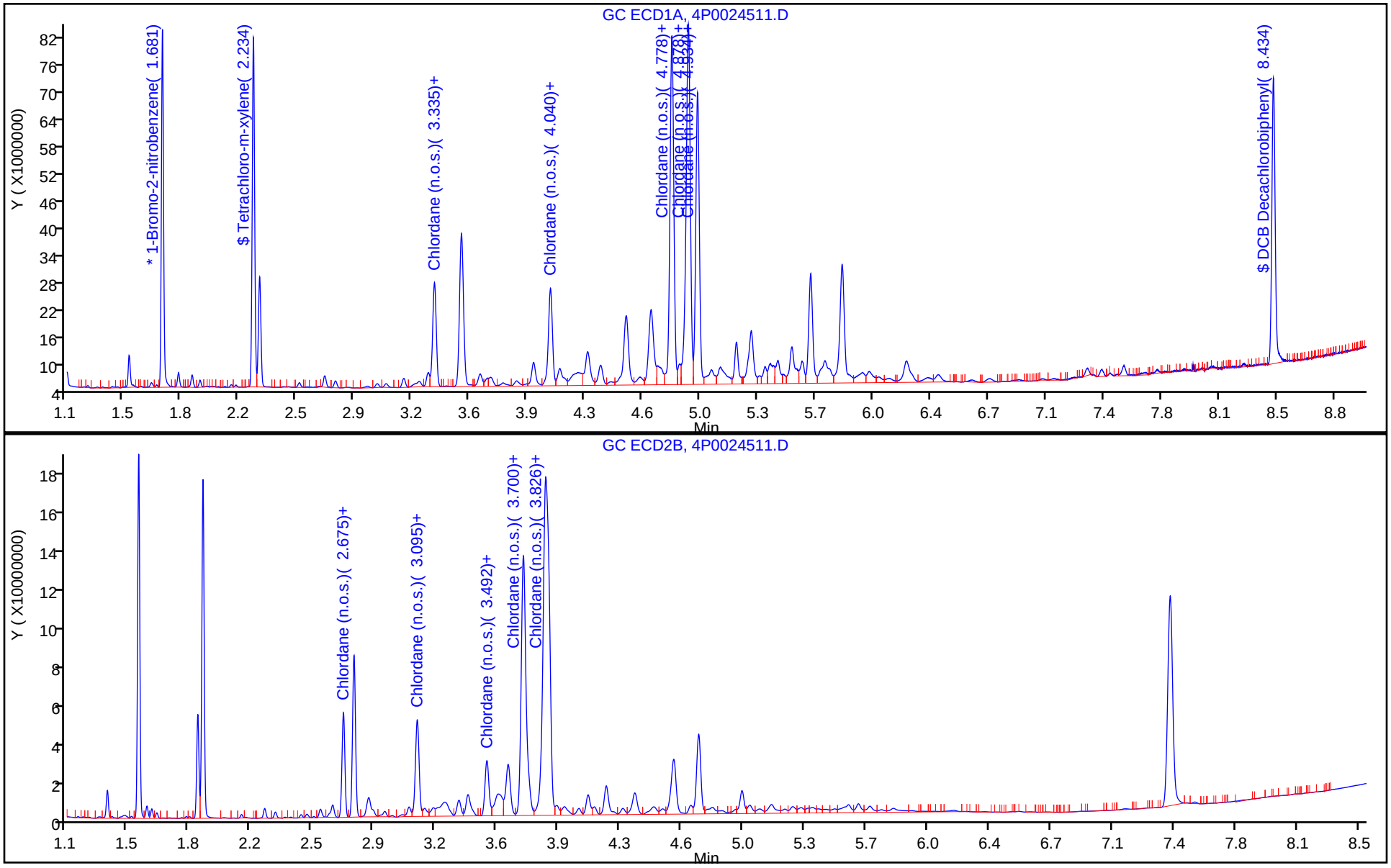
SGCHLORDANEL4_00004	Amount Added: 1.00	Units: mL	
SGPESTISTD_00012	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D

Injection Date:	27-Dec-2019 04:05:35	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV CHLOR			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024511.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Ave	1.011	0.9877		97.7	100	-2.3	20.0
DCB Decachlorobiphenyl	Ave	1.366	1.326		97.1	100	-2.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024511.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	1.88	1.86	1.88
DCB Decachlorobiphenyl	7.38	7.28	7.48

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D
Lims ID: CCV CHLOR
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:05:35 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CHLOR
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub28

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:28 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:18:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.681	1.679	0.002	73386945	100.0	100.0	
2	1.509	1.507	0.002	158210760	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.234	2.232	0.002	79181158	100.0	95.0	
2	1.875	1.873	0.002	156259134	100.0	97.7	
						RPD = 2.71	
38 Chlordane (n.o.s.)							
1	3.335	3.317	0.018	35886700	1000.0	947.5	
1	4.040	4.039	0.001	37920348	1000.0	950.7	
1	4.778	4.784	-0.006	128413660	1000.0	892.0	
1	4.878	4.881	-0.003	145546230	1000.0	931.7	
1	4.934	4.939	-0.005	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.671	0.004	60389496	1000.0	911.8	
2	3.095	3.079	0.016	71957342	1000.0	892.1	
2	3.492	3.474	0.018	44544601	1000.0	874.4	
2	3.700	3.707	-0.007	255420781	1000.0	924.3	
2	3.826	3.851	-0.025	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							
1	3.335	3.335	0.000	35886700	1000.0	947.5	
1	4.040	4.040	0.000	37920348	1000.0	950.7	
1	4.778	4.778	0.000	128413660	1000.0	892.0	
1	4.878	4.878	0.000	145546230	1000.0	931.7	
1	4.934	4.934	0.000	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.675	0.000	60389496	1000.0	911.8	
2	3.095	3.095	0.000	71957342	1000.0	892.1	
2	3.492	3.492	0.000	44544601	1000.0	874.4	
2	3.700	3.700	0.000	255420781	1000.0	924.3	
2	3.826	3.826	0.000	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	
$ 24 DCB Decachlorobiphenyl							
1	8.434	8.435	-0.001	89506215	100.0	94.9	
2	7.383	7.381	0.002	209796277	100.0	97.1	
						RPD = 2.27	

Reagents:

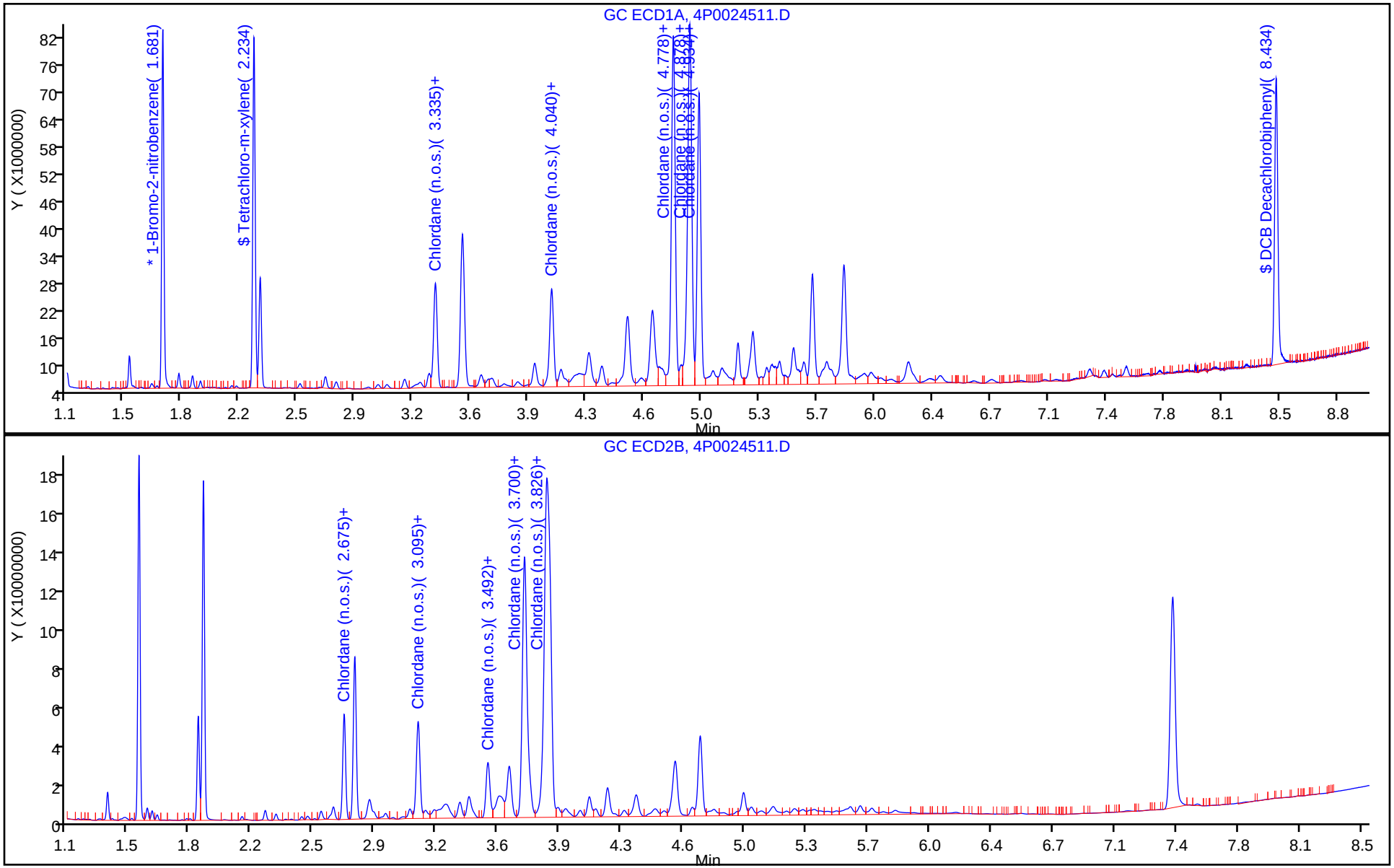
SGCHLORDANEL4_00004	Amount Added: 1.00	Units: mL	
SGPESTISTD_00012	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D

Injection Date:	27-Dec-2019 04:05:35	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV CHLOR			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 15:29

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 16:31

Lab File ID: 4P0024511.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (n.o.s.) Peak 1	Ave	0.0419	0.0382		912	1000	-8.8	20.0
Chlordane (technical) Peak 1	Ave	0.0419	0.0382		912	1000	-8.8	20.0
Chlordane (n.o.s.) Peak 2	Ave	0.0510	0.0455		892	1000	-10.8	20.0
Chlordane (technical) Peak 2	Ave	0.0510	0.0455		892	1000	-10.8	20.0
Chlordane (n.o.s.) Peak 3	Ave	0.0322	0.0282		874	1000	-12.6	20.0
Chlordane (technical) Peak 3	Ave	0.0322	0.0282		874	1000	-12.6	20.0
Chlordane (n.o.s.) Peak 4	Ave	0.1747	0.1614		924	1000	-7.6	20.0
Chlordane (technical) Peak 4	Ave	0.1747	0.1614		924	1000	-7.6	20.0
Chlordane (n.o.s.) Peak 5	Ave	0.2957	0.2756		932	1000	-6.8	20.0
Chlordane (technical) Peak 5	Ave	0.2957	0.2756		932	1000	-6.8	20.0
Chlordane (n.o.s.)	None		0.0382		907	1000	-9.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/4 Calibration Date: 12/27/2019 04:05

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 15:29

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 16:31

Lab File ID: 4P0024511.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (n.o.s.) Peak 1	2.68	2.57	2.77
Chlordane (technical) Peak 1	2.68	2.67	2.69
Chlordane (n.o.s.) Peak 2	3.10	2.98	3.18
Chlordane (technical) Peak 2	3.10	3.09	3.11
Chlordane (n.o.s.) Peak 3	3.49	3.37	3.57
Chlordane (technical) Peak 3	3.49	3.48	3.50
Chlordane (n.o.s.) Peak 4	3.70	3.61	3.81
Chlordane (technical) Peak 4	3.70	3.69	3.71
Chlordane (n.o.s.) Peak 5	3.83	3.75	3.95
Chlordane (technical) Peak 5	3.83	3.82	3.84
Chlordane (n.o.s.)			

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D
Lims ID: CCV CHLOR
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:05:35 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CHLOR
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub28

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:28 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 04:18:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.681	1.679	0.002	73386945	100.0	100.0	
2	1.509	1.507	0.002	158210760	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.234	2.232	0.002	79181158	100.0	95.0	
2	1.875	1.873	0.002	156259134	100.0	97.7	
						RPD = 2.71	
38 Chlordane (n.o.s.)							
1	3.335	3.317	0.018	35886700	1000.0	947.5	
1	4.040	4.039	0.001	37920348	1000.0	950.7	
1	4.778	4.784	-0.006	128413660	1000.0	892.0	
1	4.878	4.881	-0.003	145546230	1000.0	931.7	
1	4.934	4.939	-0.005	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.671	0.004	60389496	1000.0	911.8	
2	3.095	3.079	0.016	71957342	1000.0	892.1	
2	3.492	3.474	0.018	44544601	1000.0	874.4	
2	3.700	3.707	-0.007	255420781	1000.0	924.3	
2	3.826	3.851	-0.025	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Chlordane (technical)							
1	3.335	3.335	0.000	35886700	1000.0	947.5	
1	4.040	4.040	0.000	37920348	1000.0	950.7	
1	4.778	4.778	0.000	128413660	1000.0	892.0	
1	4.878	4.878	0.000	145546230	1000.0	931.7	
1	4.934	4.934	0.000	98917512	1000.0	909.1	
		Average of Peak Amounts =				926.2	
2	2.675	2.675	0.000	60389496	1000.0	911.8	
2	3.095	3.095	0.000	71957342	1000.0	892.1	
2	3.492	3.492	0.000	44544601	1000.0	874.4	
2	3.700	3.700	0.000	255420781	1000.0	924.3	
2	3.826	3.826	0.000	435983699	1000.0	932.0	
		Average of Peak Amounts =				906.9	
						RPD = 2.11	
$ 24 DCB Decachlorobiphenyl							
1	8.434	8.435	-0.001	89506215	100.0	94.9	
2	7.383	7.381	0.002	209796277	100.0	97.1	
						RPD = 2.27	

Reagents:

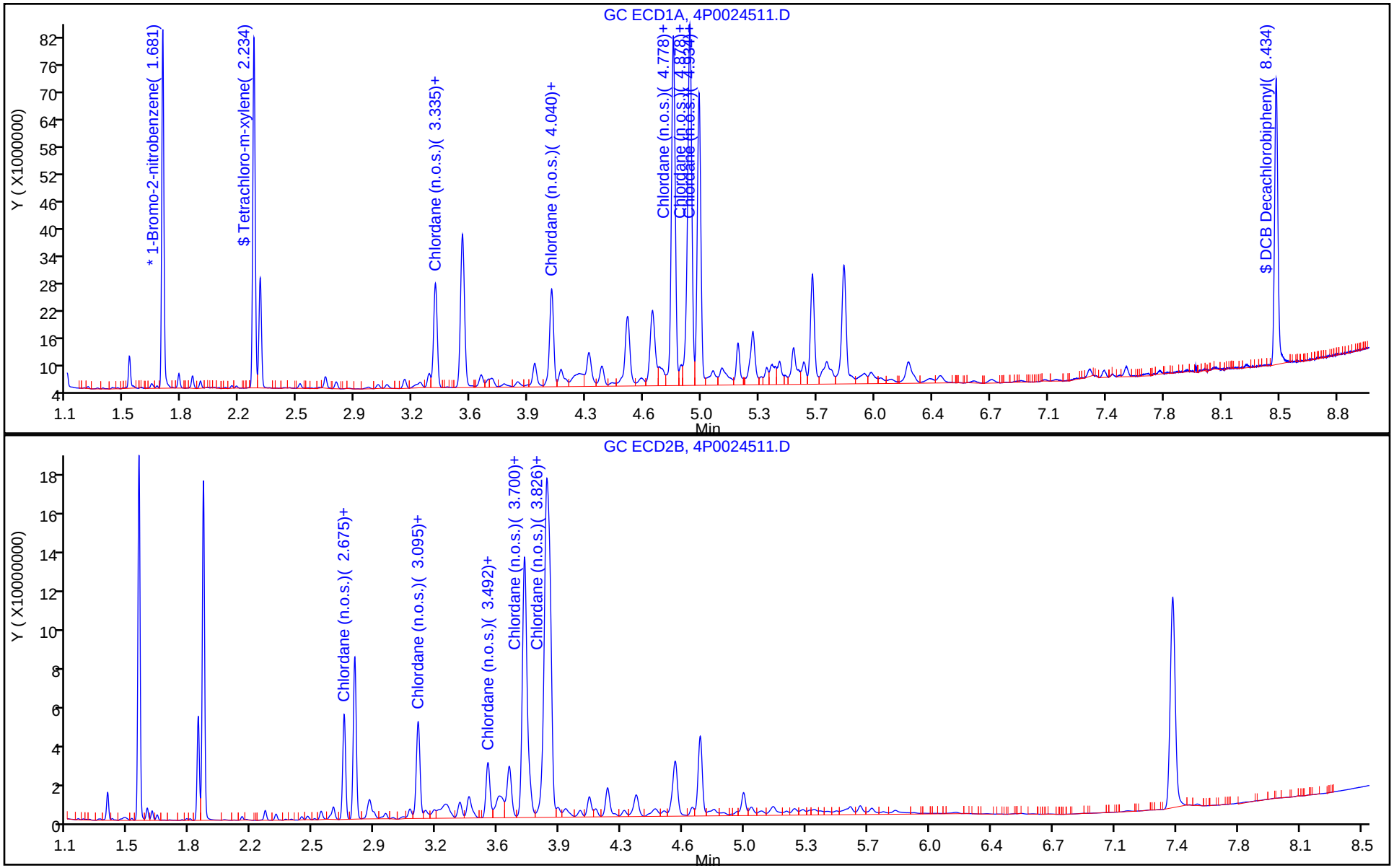
SGCHLORDANEL4_00004	Amount Added: 1.00	Units: mL	
SGPESTISTD_00012	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024511.D

Injection Date:	27-Dec-2019 04:05:35	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV CHLOR			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024512.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Ave	1.135	1.071		94.4	100	-5.6	20.0
DCB Decachlorobiphenyl	Ave	1.285	1.140		88.7	100	-11.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024512.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	2.24	2.22	2.24
DCB Decachlorobiphenyl	8.44	8.34	8.54

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D
Lims ID: CCV TOX
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:21:34 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: TOX
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:05:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.683	1.679	0.004	76454458	100.0	100.0	
2	1.510	1.507	0.003	147684202	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.236	2.232	0.004	81915701	100.0	94.4	
2	1.877	1.873	0.004	142730894	100.0	95.6	
						RPD = 1.24	
22 Toxaphene							M
1	5.235	5.237	-0.002	28065039	1000.0	806.9	M
1	5.748	5.748	0.000	43061720	1000.0	898.0	M
1	5.857	5.860	-0.003	79518035	1000.0	951.4	M
1	6.193	6.197	-0.004	44489893	1000.0	887.7	M
1	6.973	6.977	-0.004	42979166	1000.0	950.4	M
		Average of Peak Amounts =				898.9	
2	4.764	4.762	0.002	105332217	1000.0	956.6	M
2	4.887	4.884	0.003	149413988	1000.0	991.7	M
2	5.096	5.096	0.000	85804467	1000.0	892.7	M
2	5.285	5.283	0.002	87220841	1000.0	868.8	M
2	5.468	5.467	0.001	98453564	1000.0	946.4	M
		Average of Peak Amounts =				931.2	
						RPD = 3.54	
$ 24 DCB Decachlorobiphenyl							
1	8.435	8.435	0.000	87159253	100.0	88.7	
2	7.383	7.381	0.002	217251934	100.0	107.7	
						RPD = 19.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

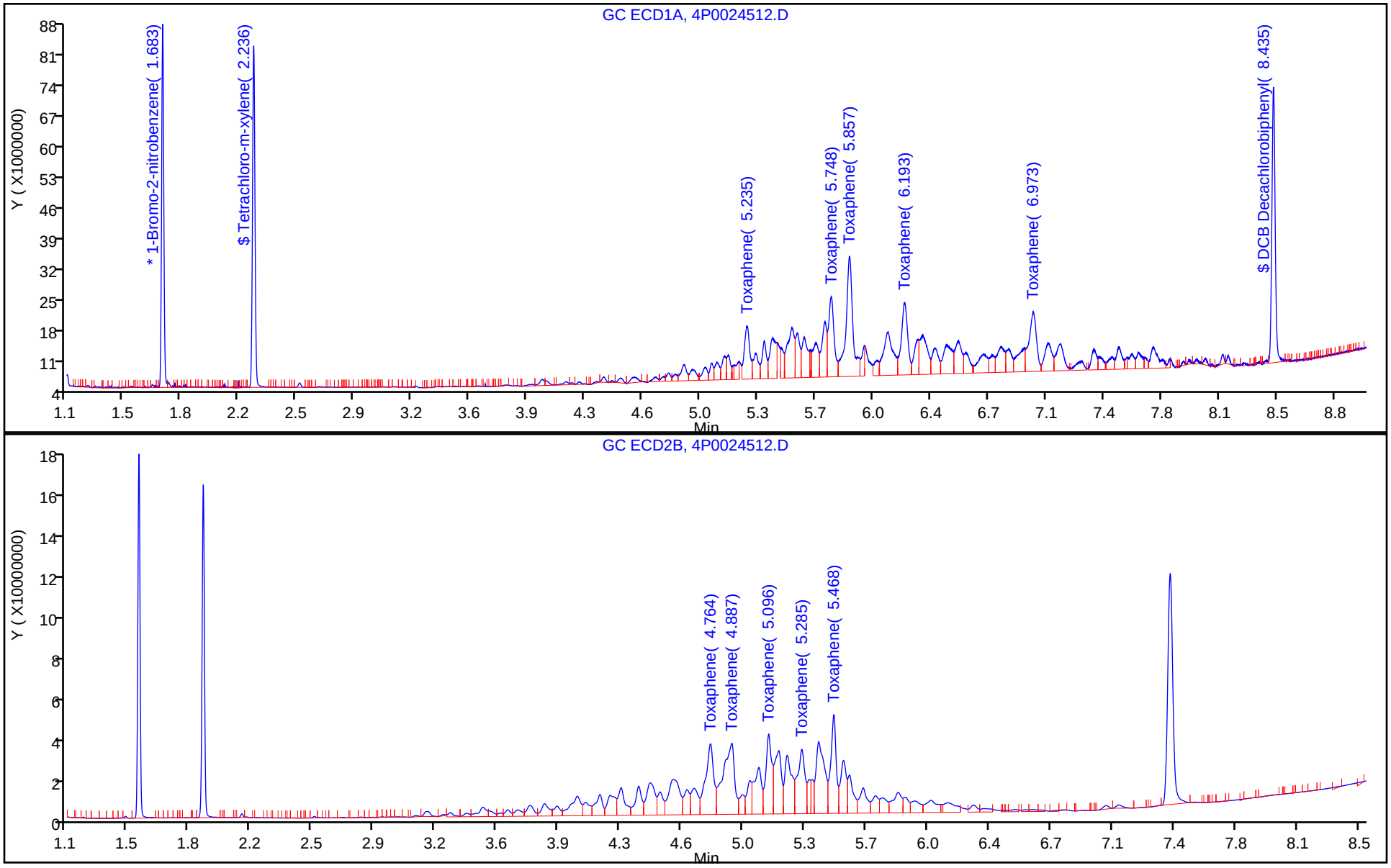
SGTOXAPHENEL4_00004	Amount Added:	1.00	Units: mL	
SGPESTISTD_00012	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:32 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D

Injection Date:	27-Dec-2019 04:21:34	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV TOX			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 17:02

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 18:04

Lab File ID: 4P0024512.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0455	0.0367		807	1000	-19.3	20.0
Toxaphene Peak 2	Ave	0.0627	0.0563		898	1000	-10.2	20.0
Toxaphene Peak 3	Ave	0.1093	0.1040		951	1000	-4.9	20.0
Toxaphene Peak 4	Ave	0.0656	0.0582		888	1000	-11.2	20.0
Toxaphene Peak 5	Ave	0.0591	0.0562		950	1000	-5.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 17:02

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/26/2019 18:04

Lab File ID: 4P0024512.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.24	5.23	5.25
Toxaphene Peak 2	5.75	5.74	5.76
Toxaphene Peak 3	5.86	5.85	5.87
Toxaphene Peak 4	6.19	6.19	6.21
Toxaphene Peak 5	6.97	6.97	6.99

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D
Lims ID: CCV TOX
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:21:34 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: TOX
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:05:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.683	1.679	0.004	76454458	100.0	100.0	
2	1.510	1.507	0.003	147684202	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.236	2.232	0.004	81915701	100.0	94.4	
2	1.877	1.873	0.004	142730894	100.0	95.6	
						RPD = 1.24	
22 Toxaphene							M
1	5.235	5.237	-0.002	28065039	1000.0	806.9	M
1	5.748	5.748	0.000	43061720	1000.0	898.0	M
1	5.857	5.860	-0.003	79518035	1000.0	951.4	M
1	6.193	6.197	-0.004	44489893	1000.0	887.7	M
1	6.973	6.977	-0.004	42979166	1000.0	950.4	M
		Average of Peak Amounts =				898.9	
2	4.764	4.762	0.002	105332217	1000.0	956.6	M
2	4.887	4.884	0.003	149413988	1000.0	991.7	M
2	5.096	5.096	0.000	85804467	1000.0	892.7	M
2	5.285	5.283	0.002	87220841	1000.0	868.8	M
2	5.468	5.467	0.001	98453564	1000.0	946.4	M
		Average of Peak Amounts =				931.2	
						RPD = 3.54	
$ 24 DCB Decachlorobiphenyl							
1	8.435	8.435	0.000	87159253	100.0	88.7	
2	7.383	7.381	0.002	217251934	100.0	107.7	
						RPD = 19.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

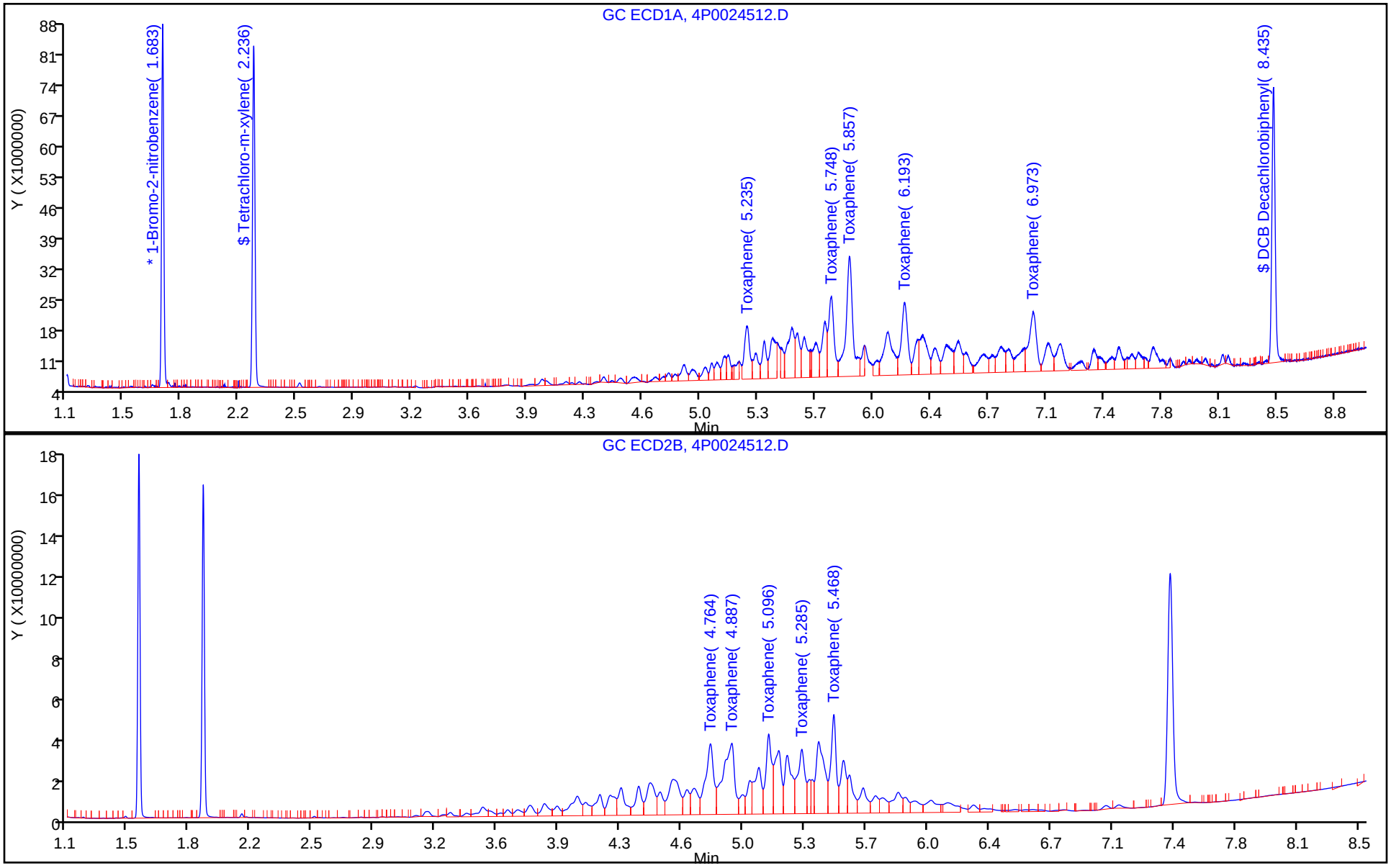
SGTOXAPHENEL4_00004	Amount Added:	1.00	Units: mL	
SGPESTISTD_00012	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:32 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D

Injection Date:	27-Dec-2019 04:21:34	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV TOX			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 30-Dec-2019 04:14:32 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D

Injection Date: 27-Dec-2019 04:21:34 Instrument ID: CPESTGC4

Lims ID: CCV TOX

Client ID:

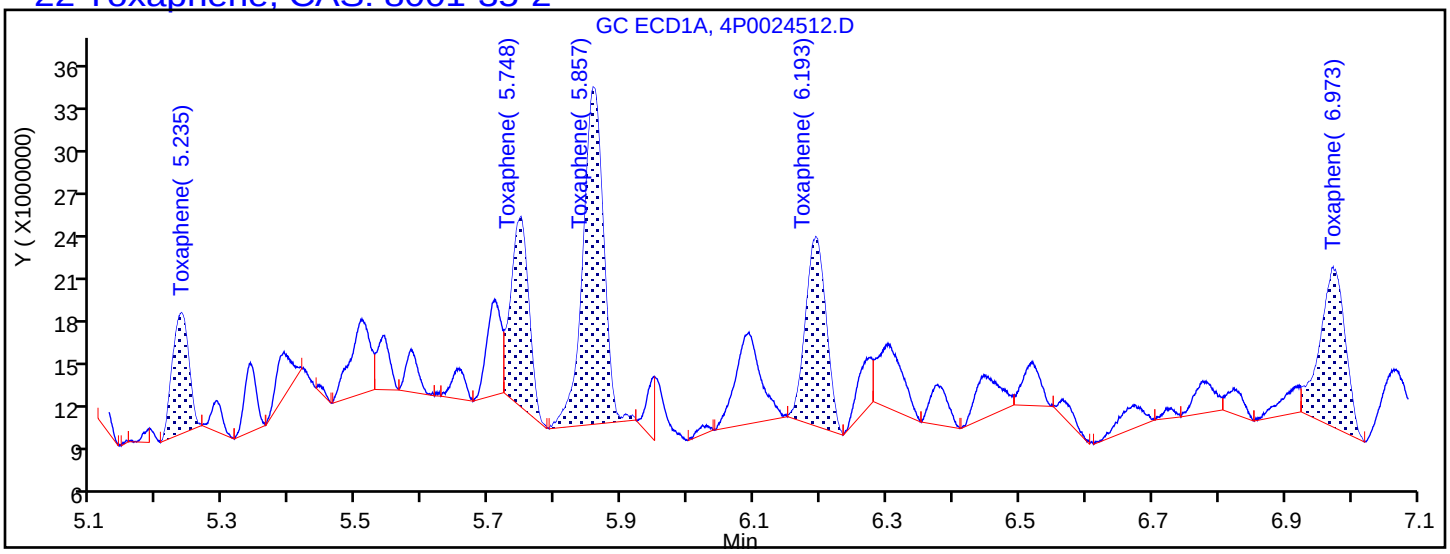
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

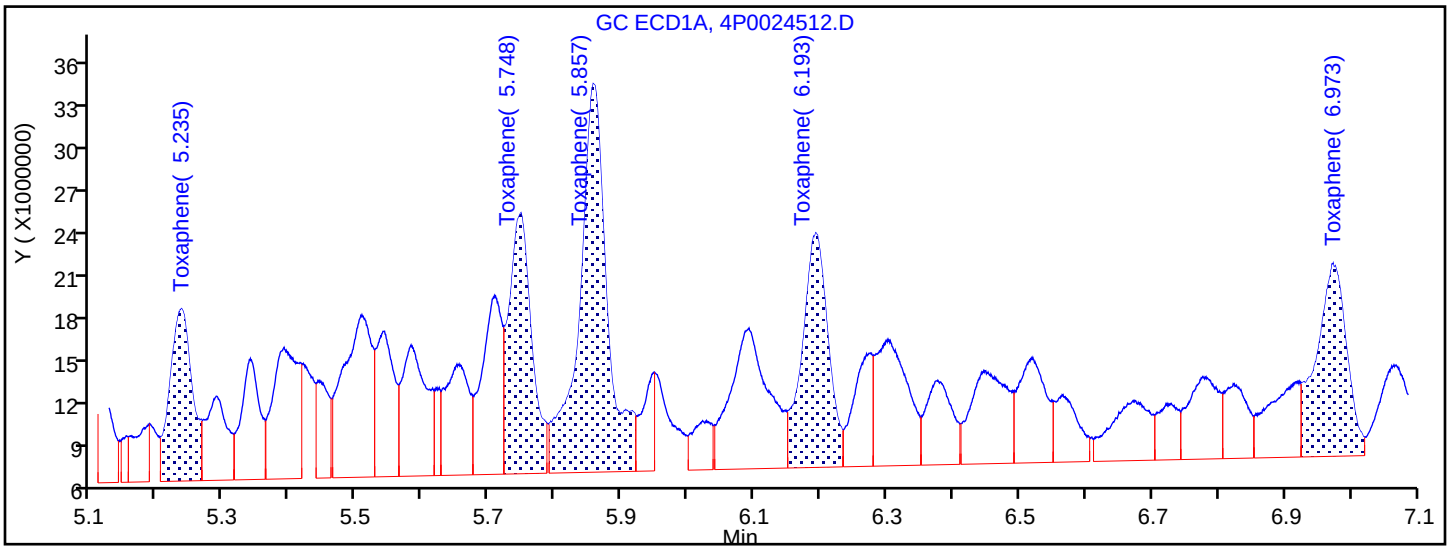
Column: Detector GC ECD1A

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.235	Response = 14506700
5.748	Response = 24654320
5.857	Response = 50787361
6.193	Response = 28380693
6.973	Response = 29353796



Manual Integration Results

5.235	Response = 28065039	M
5.748	Response = 43061720	M
5.857	Response = 79518035	M
6.193	Response = 44489893	M
6.973	Response = 42979166	M

Reviewer: manlangitf, 27-Dec-2019 06:05:23

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024512.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Ave	1.011	0.9665		95.6	100	-4.4	20.0
DCB Decachlorobiphenyl	Ave	1.366	1.471		108	100	7.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 13:40

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 14:42

Lab File ID: 4P0024512.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	1.88	1.86	1.88
DCB Decachlorobiphenyl	7.38	7.28	7.48

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D
Lims ID: CCV TOX
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:21:34 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: TOX
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:05:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.683	1.679	0.004	76454458	100.0	100.0	
2	1.510	1.507	0.003	147684202	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.236	2.232	0.004	81915701	100.0	94.4	
2	1.877	1.873	0.004	142730894	100.0	95.6	
						RPD = 1.24	
22 Toxaphene							M
1	5.235	5.237	-0.002	28065039	1000.0	806.9	M
1	5.748	5.748	0.000	43061720	1000.0	898.0	M
1	5.857	5.860	-0.003	79518035	1000.0	951.4	M
1	6.193	6.197	-0.004	44489893	1000.0	887.7	M
1	6.973	6.977	-0.004	42979166	1000.0	950.4	M
		Average of Peak Amounts =				898.9	
2	4.764	4.762	0.002	105332217	1000.0	956.6	M
2	4.887	4.884	0.003	149413988	1000.0	991.7	M
2	5.096	5.096	0.000	85804467	1000.0	892.7	M
2	5.285	5.283	0.002	87220841	1000.0	868.8	M
2	5.468	5.467	0.001	98453564	1000.0	946.4	M
		Average of Peak Amounts =				931.2	
						RPD = 3.54	
$ 24 DCB Decachlorobiphenyl							
1	8.435	8.435	0.000	87159253	100.0	88.7	
2	7.383	7.381	0.002	217251934	100.0	107.7	
						RPD = 19.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

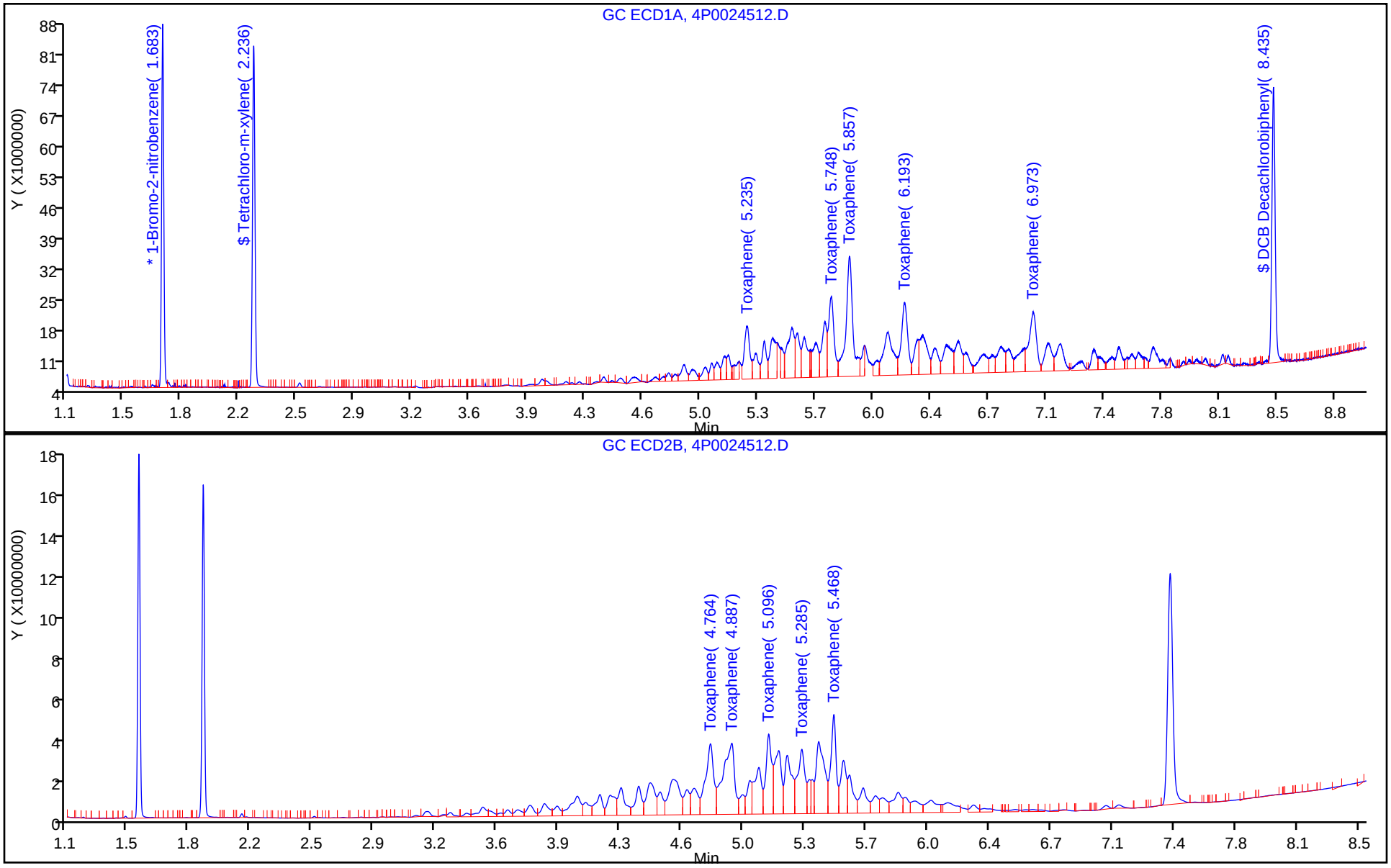
SGTOXAPHENEL4_00004	Amount Added:	1.00	Units: mL	
SGPESTISTD_00012	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:33 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D

Injection Date:	27-Dec-2019 04:21:34	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV TOX			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 17:02

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 18:04

Lab File ID: 4P0024512.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0746	0.0713		957	1000	-4.3	20.0
Toxaphene Peak 2	Ave	0.1020	0.1012		992	1000	-0.8	20.0
Toxaphene Peak 3	Ave	0.0651	0.0581		893	1000	-10.7	20.0
Toxaphene Peak 4	Ave	0.0680	0.0591		869	1000	-13.1	20.0
Toxaphene Peak 5	Ave	0.0704	0.0667		946	1000	-5.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665293/5 Calibration Date: 12/27/2019 04:21

Instrument ID: CPESTGC4 Calib Start Date: 08/26/2019 17:02

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 08/26/2019 18:04

Lab File ID: 4P0024512.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.76	4.75	4.77
Toxaphene Peak 2	4.89	4.87	4.89
Toxaphene Peak 3	5.10	5.09	5.11
Toxaphene Peak 4	5.29	5.27	5.29
Toxaphene Peak 5	5.47	5.46	5.48

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D
Lims ID: CCV TOX
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2019 04:21:34 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: TOX
Operator ID: Instrument ID: CPESTGC4
Sublist: chrom-GC-4 8081 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:05:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.683	1.679	0.004	76454458	100.0	100.0	
2	1.510	1.507	0.003	147684202	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.236	2.232	0.004	81915701	100.0	94.4	
2	1.877	1.873	0.004	142730894	100.0	95.6	
						RPD = 1.24	
22 Toxaphene							M
1	5.235	5.237	-0.002	28065039	1000.0	806.9	M
1	5.748	5.748	0.000	43061720	1000.0	898.0	M
1	5.857	5.860	-0.003	79518035	1000.0	951.4	M
1	6.193	6.197	-0.004	44489893	1000.0	887.7	M
1	6.973	6.977	-0.004	42979166	1000.0	950.4	M
		Average of Peak Amounts =				898.9	
2	4.764	4.762	0.002	105332217	1000.0	956.6	M
2	4.887	4.884	0.003	149413988	1000.0	991.7	M
2	5.096	5.096	0.000	85804467	1000.0	892.7	M
2	5.285	5.283	0.002	87220841	1000.0	868.8	M
2	5.468	5.467	0.001	98453564	1000.0	946.4	M
		Average of Peak Amounts =				931.2	
						RPD = 3.54	
$ 24 DCB Decachlorobiphenyl							
1	8.435	8.435	0.000	87159253	100.0	88.7	
2	7.383	7.381	0.002	217251934	100.0	107.7	
						RPD = 19.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

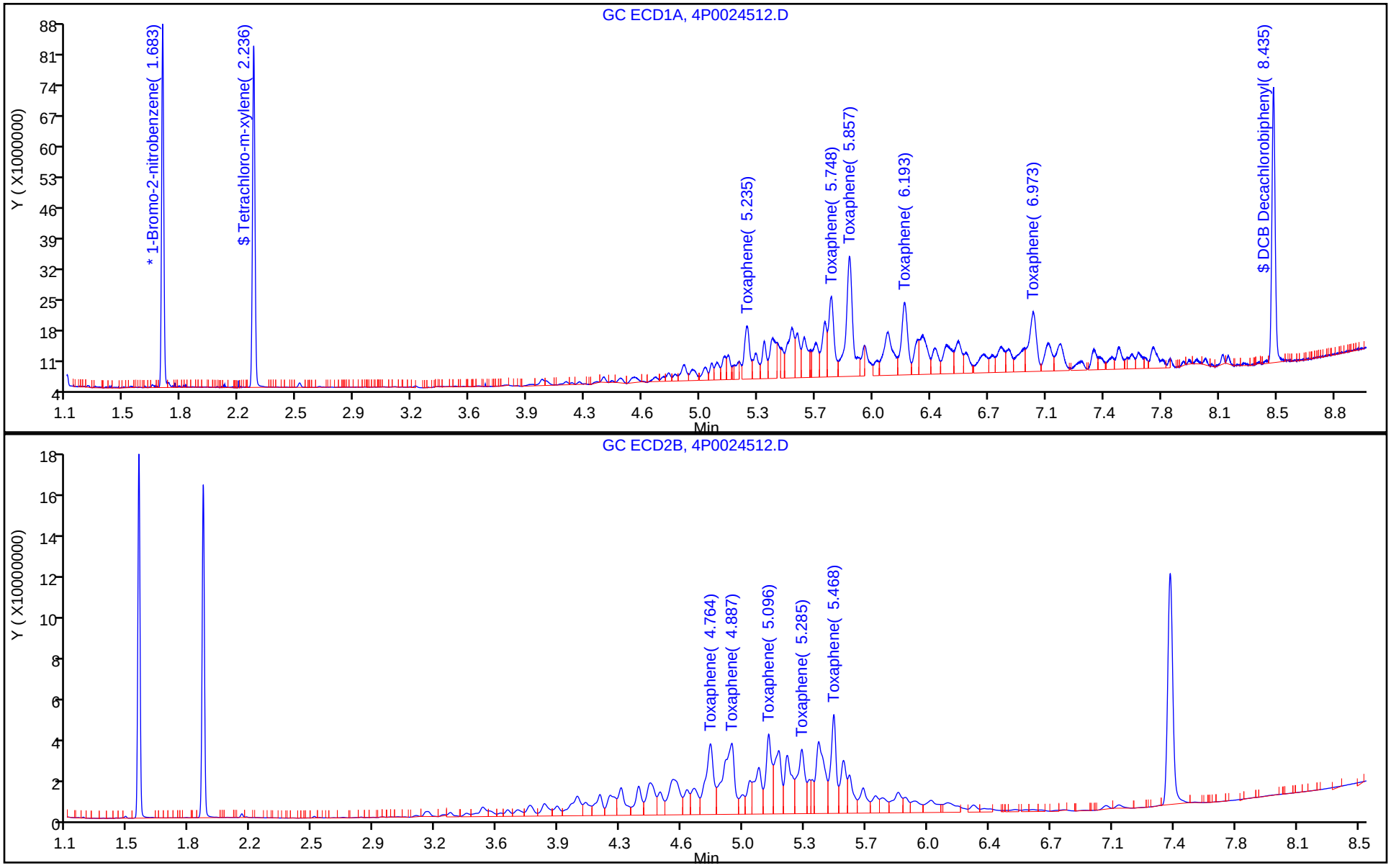
SGTOXAPHENEL4_00004	Amount Added:	1.00	Units: mL	
SGPESTISTD_00012	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 30-Dec-2019 04:14:33 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D

Injection Date:	27-Dec-2019 04:21:34	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	CCV TOX			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



Report Date: 30-Dec-2019 04:14:33 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024512.D

Injection Date: 27-Dec-2019 04:21:34 Instrument ID: CPESTGC4

Lims ID: CCV TOX

Client ID:

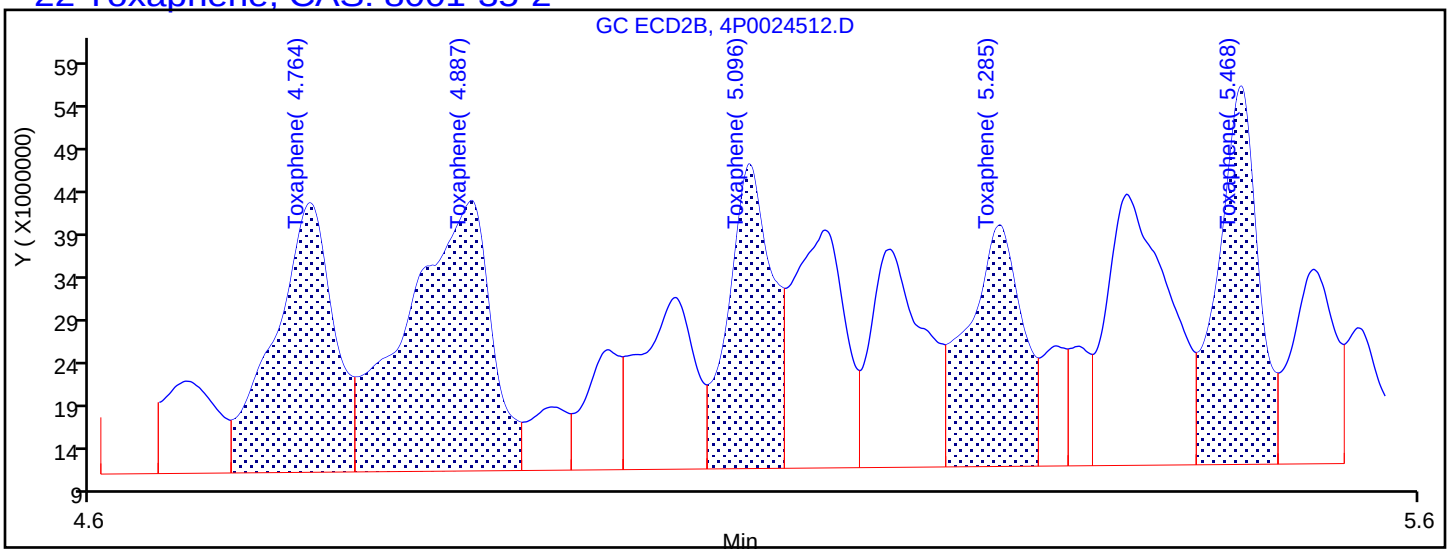
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

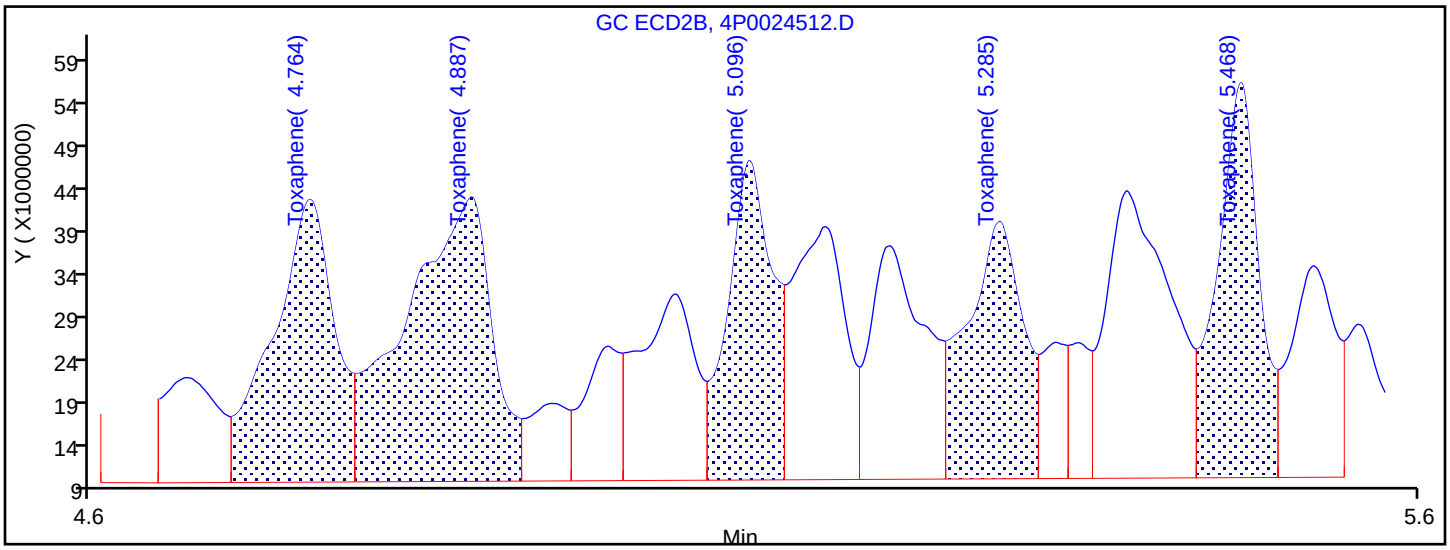
Column: Detector GC ECD2B

22 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.764	Response = 96721579
4.887	Response = 137347612
5.096	Response = 79761722
5.285	Response = 79538062
5.468	Response = 91306990



Manual Integration Results

4.764	Response = 105332217	M
4.887	Response = 149413988	M
5.096	Response = 85804467	M
5.285	Response = 87220841	M
5.468	Response = 98453564	M

Reviewer: manlangitf, 27-Dec-2019 06:05:29

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665106/1-A

Matrix: Water Lab File ID: 4P0024517.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 12/26/2019 09:10

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 05:39

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	*4,4'-DDD*	*0.0060*	*U*	*0.020*	*0.0060*
72-55-9	*4,4'-DDE*	*0.0020*	*U*	*0.020*	*0.0020*
50-29-3	*4,4'-DDT*	*0.0040*	*U*	*0.020*	*0.0040*
309-00-2	*Aldrin*	*0.0030*	*U*	*0.020*	*0.0030*
319-84-6	*alpha-BHC*	*0.0070*	*U*	*0.020*	*0.0070*
319-85-7	*beta-BHC*	*0.0040*	*U*	*0.020*	*0.0040*
12789-03-6	*Chlordane (technical)*	*0.055*	*U*	*0.50*	*0.055*
319-86-8	*delta-BHC*	*0.0050*	*U*	*0.020*	*0.0050*
60-57-1	*Dieldrin*	*0.0030*	*U*	*0.020*	*0.0030*
959-98-8	*Endosulfan I*	*0.0020*	*U*	*0.020*	*0.0020*
33213-65-9	*Endosulfan II*	*0.0040*	*U*	*0.020*	*0.0040*
1031-07-8	*Endosulfan sulfate*	*0.0060*	*U*	*0.020*	*0.0060*
72-20-8	*Endrin*	*0.0040*	*U*	*0.020*	*0.0040*
7421-93-4	*Endrin aldehyde*	*0.0080*	*U*	*0.020*	*0.0080*
53494-70-5	*Endrin ketone*	*0.0080*	*U*	*0.020*	*0.0080*
58-89-9	*gamma-BHC (Lindane)*	*0.012*	*U*	*0.020*	*0.012*
76-44-8	*Heptachlor*	*0.0030*	*U*	*0.020*	*0.0030*
1024-57-3	*Heptachlor epoxide*	*0.0050*	*U*	*0.020*	*0.0050*
72-43-5	*Methoxychlor*	*0.0040*	*U*	*0.020*	*0.0040*
8001-35-2	*Toxaphene*	*0.11*	*U*	*0.50*	*0.11*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		10-150
877-09-8	Tetrachloro-m-xylene	79		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Lims ID: MB 460-665106/1-A
Client ID:
Sample Type: MB
Inject. Date: 27-Dec-2019 05:39:53 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-010
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:19:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.685	1.679	0.006	80835883	100.0	100.0	
2	1.514	1.507	0.007	167102999	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.240	2.232	0.008	72164182	100.0	78.6	
2	1.880	1.873	0.007	137839570	100.0	81.6	
						RPD = 3.65	
$ 24 DCB Decachlorobiphenyl							
1	8.436	8.435	0.001	88170835	100.0	84.9	
2	7.386	7.381	0.005	211181956	100.0	92.5	
						RPD = 8.62	

Reagents:

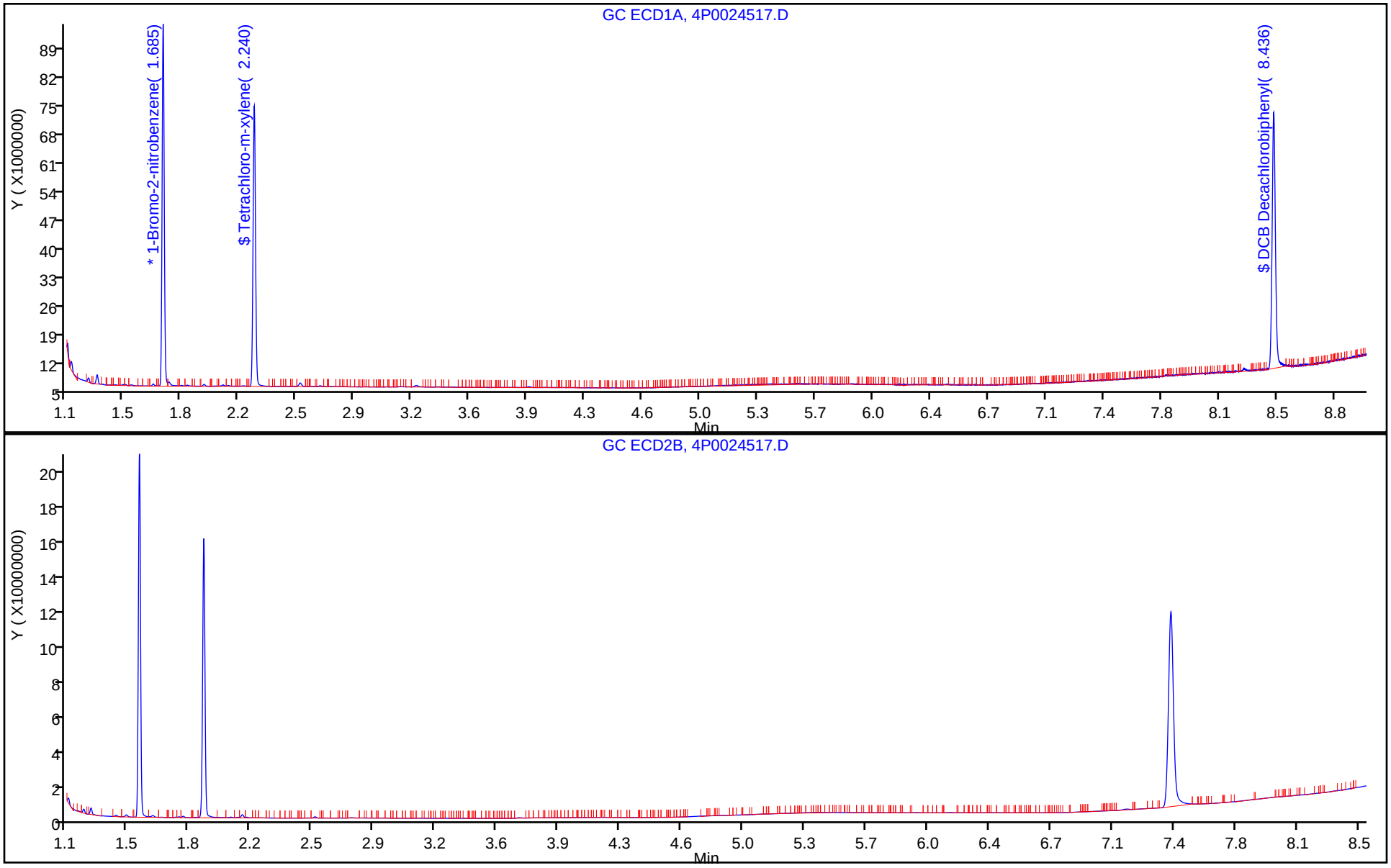
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:14:44 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D

Injection Date:	27-Dec-2019 05:39:53	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	MB 460-665106/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



User Disabled Compound Report

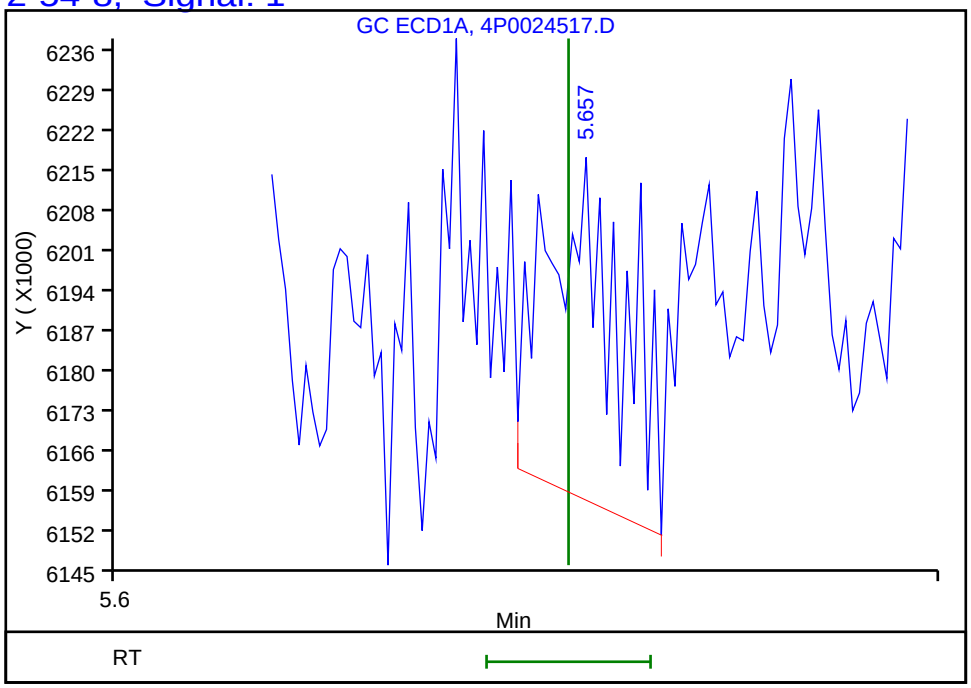
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

16 4,4'-DDD, CAS: 72-54-8, Signal: 1

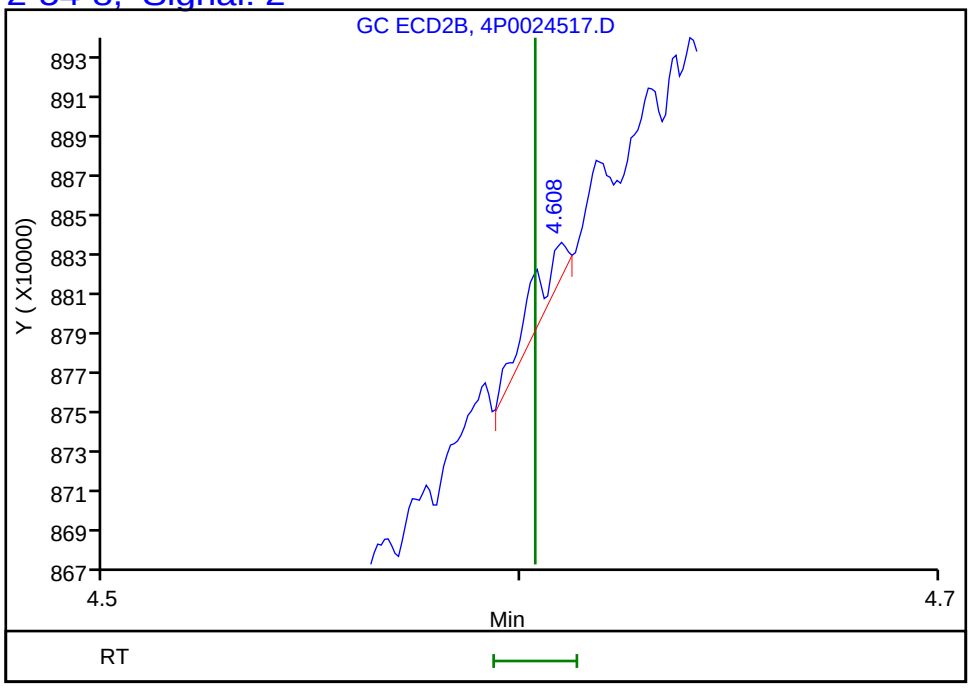
RT: 5.66
Response: 36733
Amount: 0.034103



Column: Detector GC ECD2B

16 4,4'-DDD, CAS: 72-54-8, Signal: 2

RT: 4.61
Response: 15739
Amount: 0.009947



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

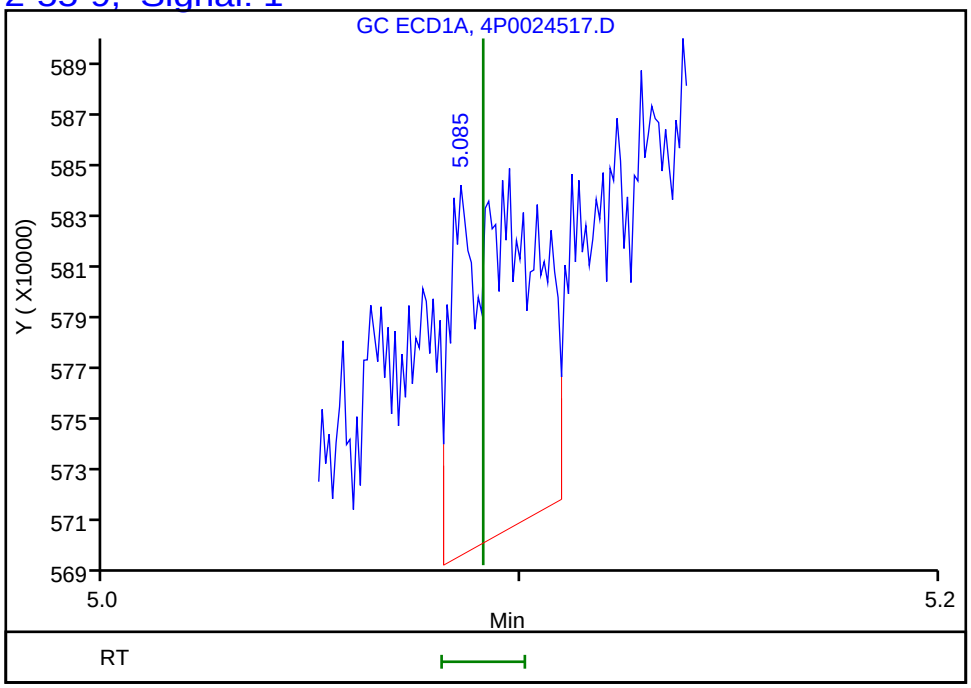
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

25 4,4'-DDE, CAS: 72-55-9, Signal: 1

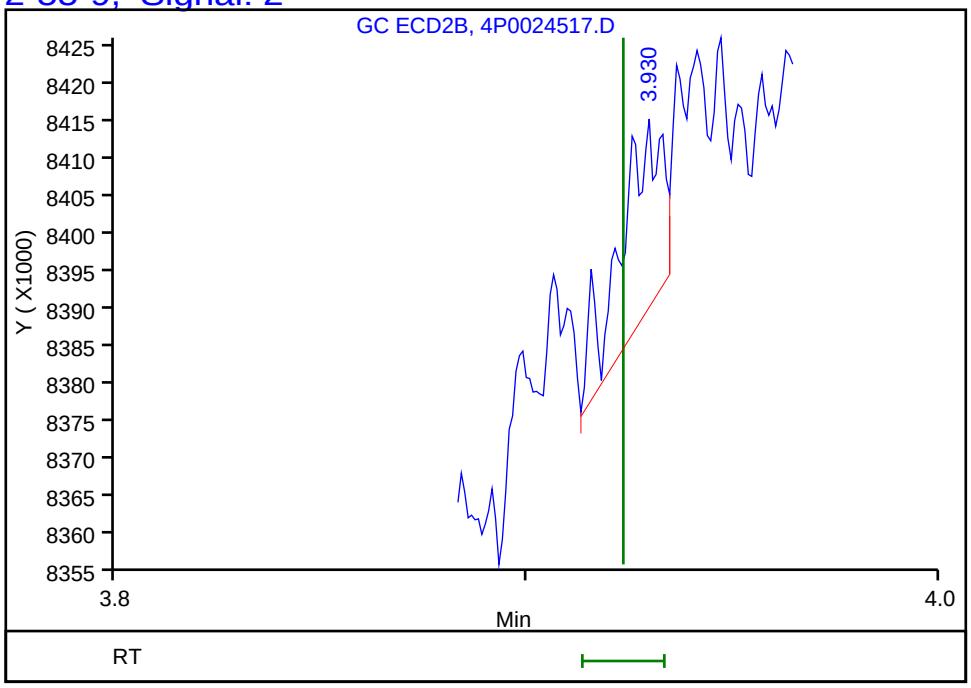
RT: 5.09
Response: 172308
Amount: 0.141284



Column: Detector GC ECD2B

25 4,4'-DDE, CAS: 72-55-9, Signal: 2

RT: 3.93
Response: 18468
Amount: 0.009943



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User Disabled Compound Report

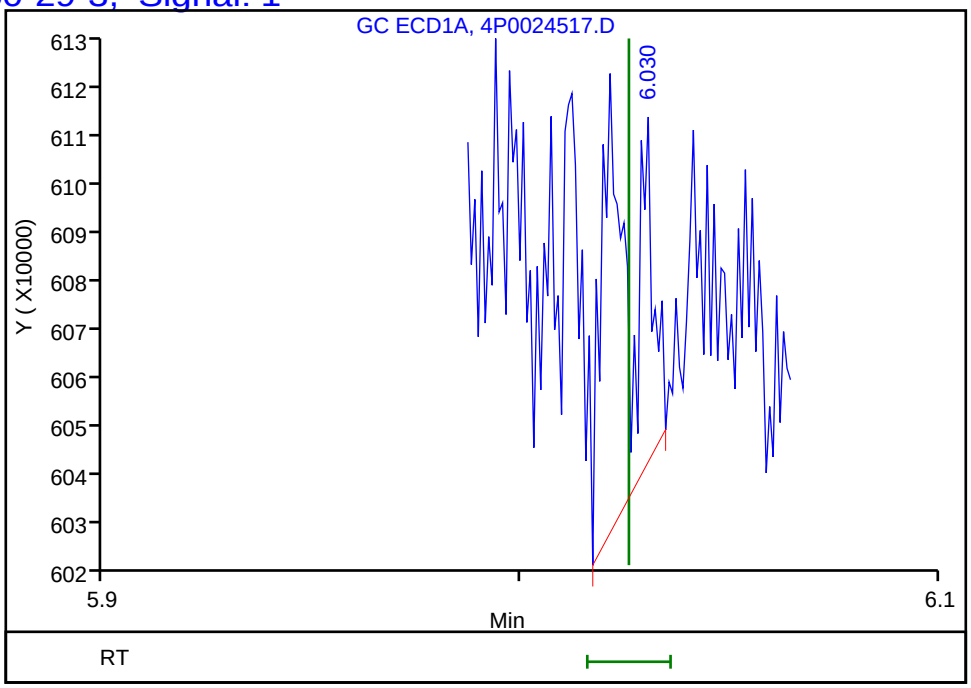
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

21 4,4'-DDT, CAS: 50-29-3, Signal: 1

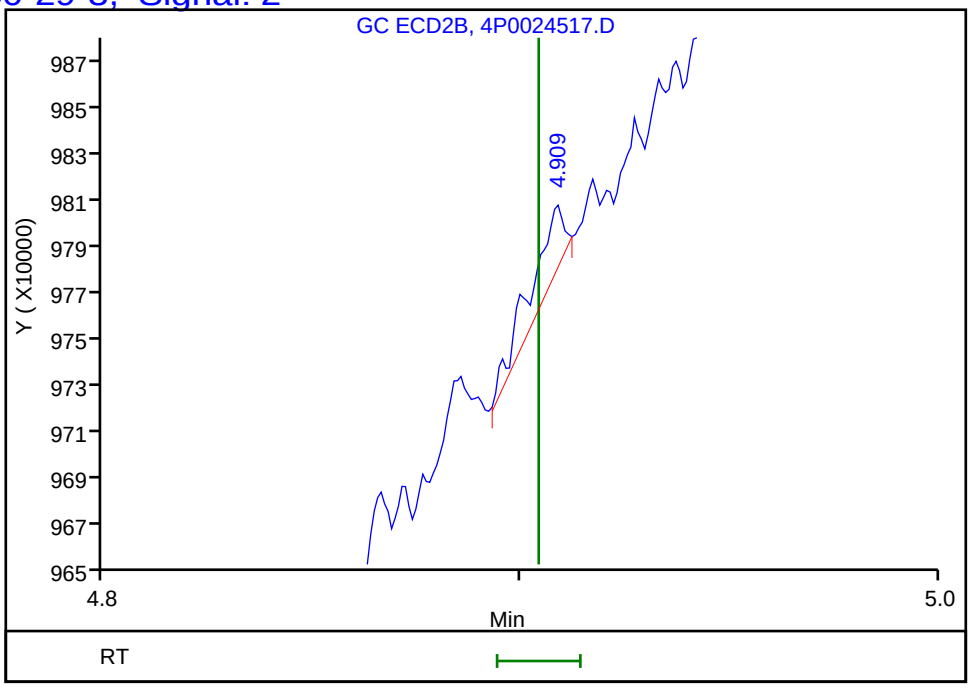
RT: 6.03
Response: 46990
Amount: 0.039048



Column: Detector GC ECD2B

21 4,4'-DDT, CAS: 50-29-3, Signal: 2

RT: 4.91
Response: 16727
Amount: 0.008923



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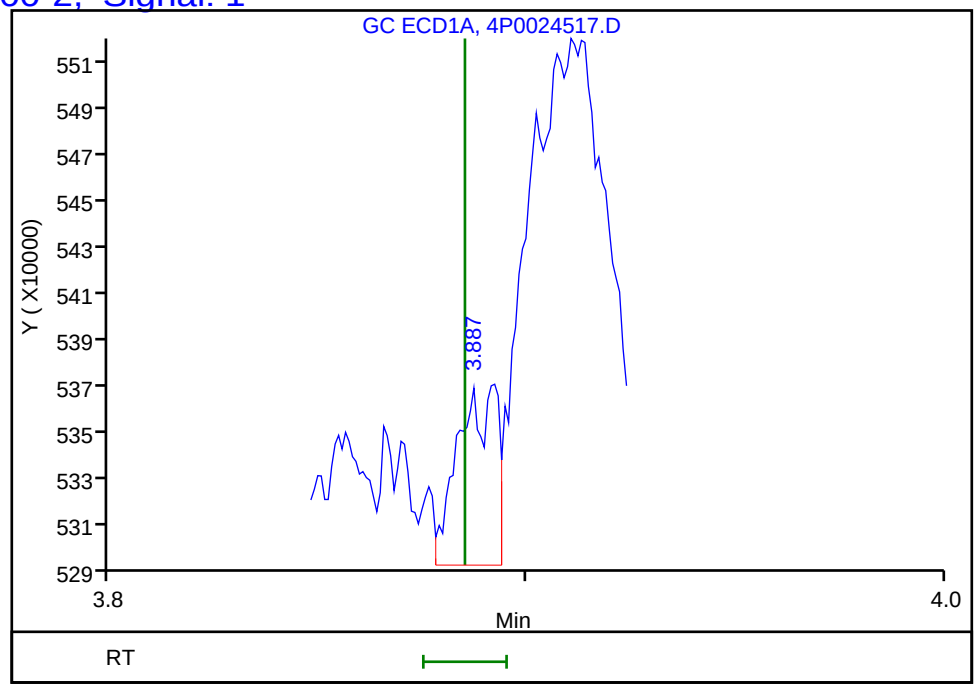
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

8 Aldrin, CAS: 309-00-2, Signal: 1

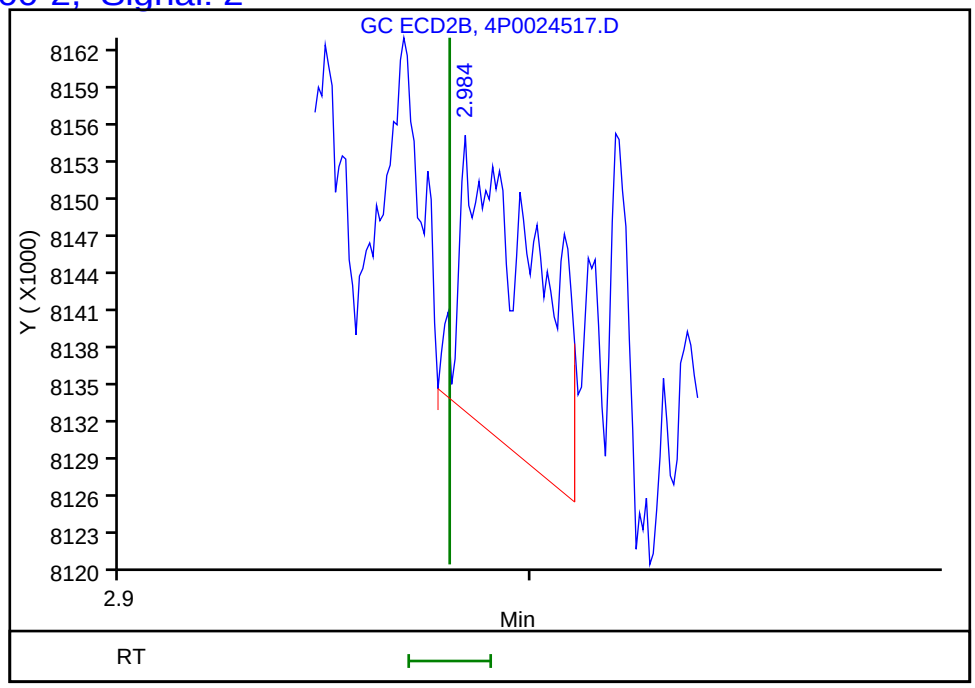
RT: 3.89
Response: 48735
Amount: 0.037660



Column: Detector GC ECD2B

8 Aldrin, CAS: 309-00-2, Signal: 2

RT: 2.98
Response: 30683
Amount: 0.014449



Reviewer: manlangitf, 27-Dec-2019 06:19:48
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User Disabled Compound Report

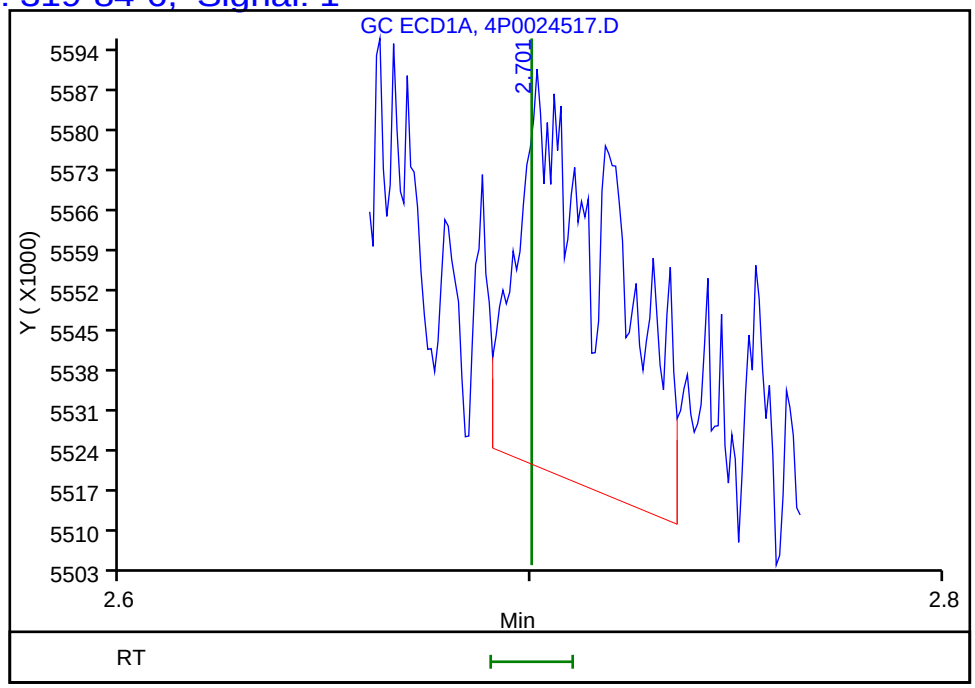
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

15 alpha-BHC, CAS: 319-84-6, Signal: 1

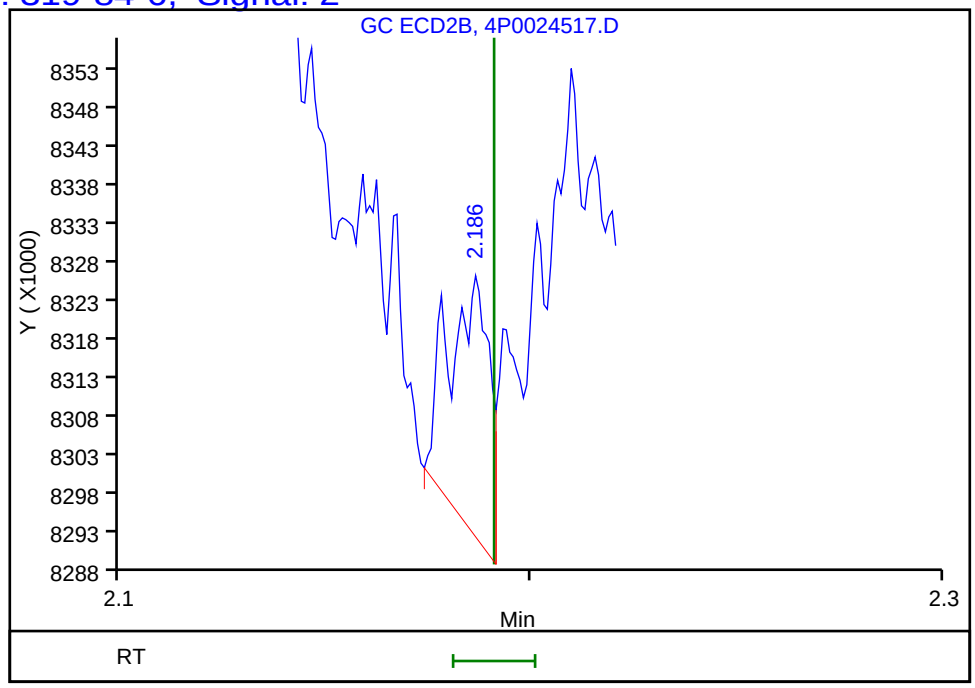
RT: 2.70
Response: 113063
Amount: 0.080109



Column: Detector GC ECD2B

15 alpha-BHC, CAS: 319-84-6, Signal: 2

RT: 2.19
Response: 22207
Amount: 0.008897



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User Disabled Compound Report

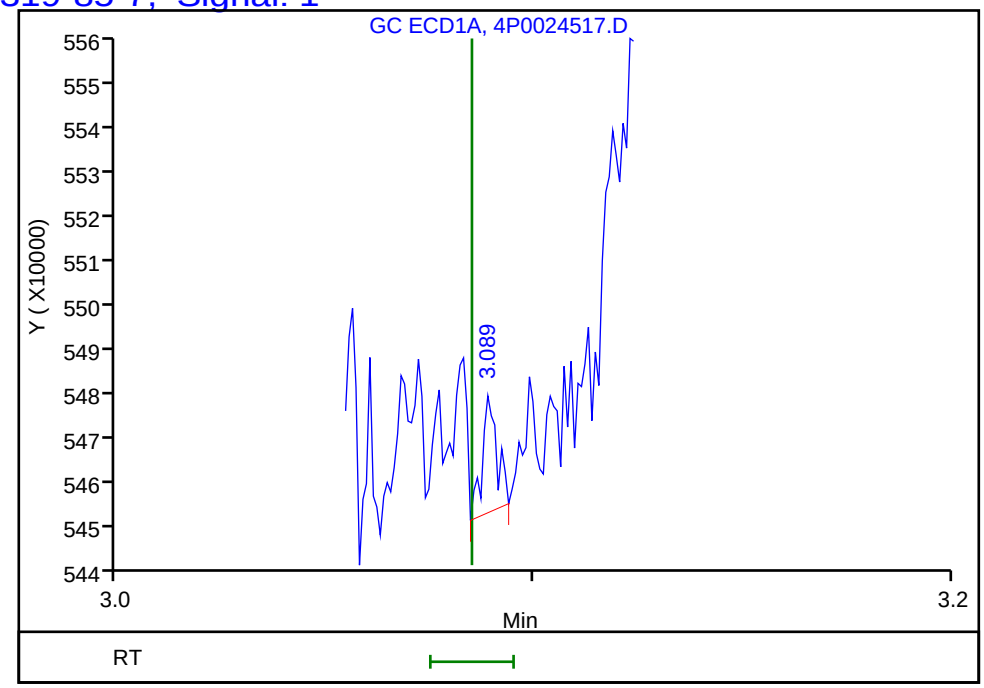
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

6 beta-BHC, CAS: 319-85-7, Signal: 1

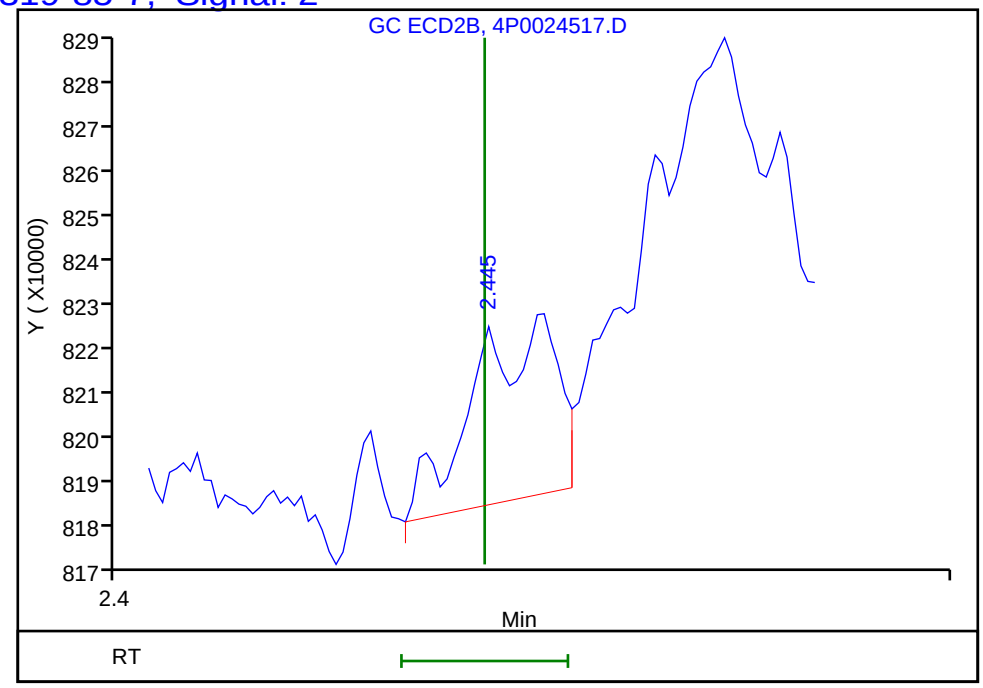
RT: 3.09
Response: 6056
Amount: 0.010648



Column: Detector GC ECD2B

6 beta-BHC, CAS: 319-85-7, Signal: 2

RT: 2.44
Response: 27926
Amount: 0.027386



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User Disabled Compound Report

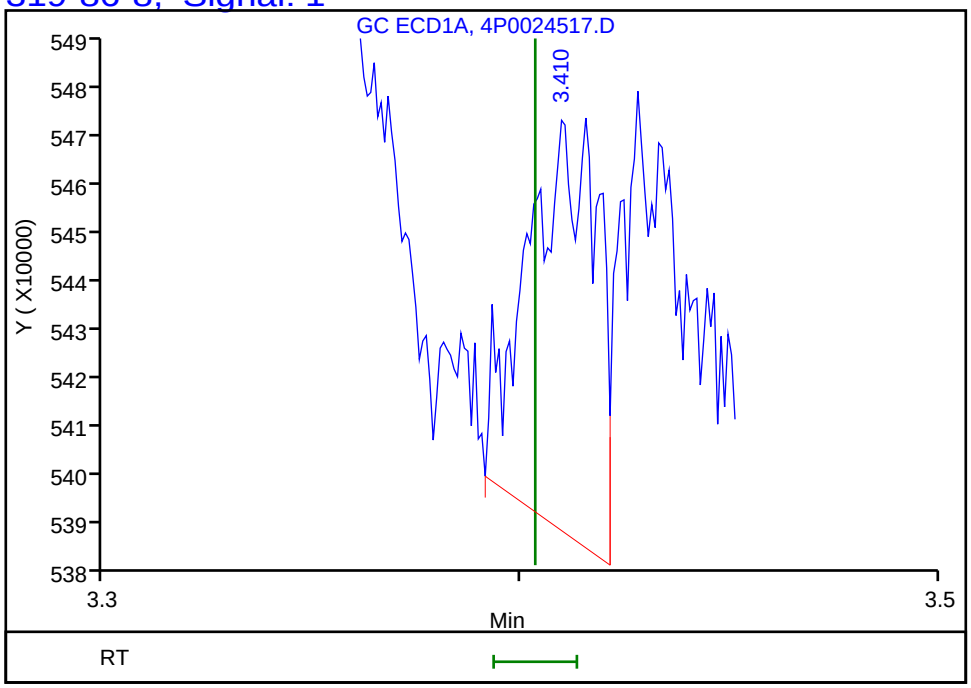
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

32 delta-BHC, CAS: 319-86-8, Signal: 1

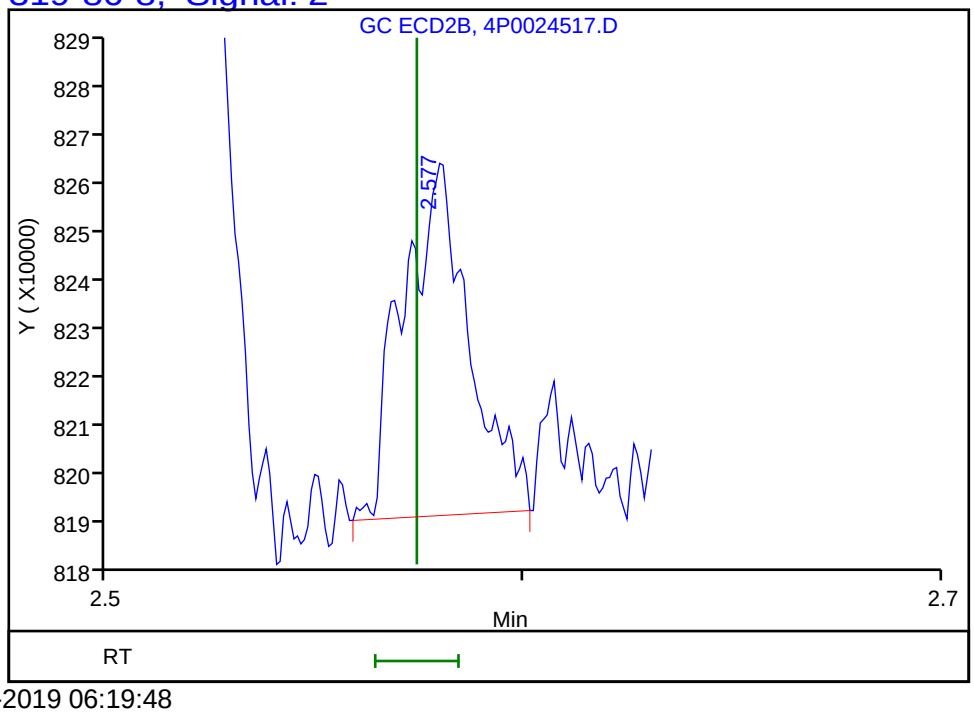
RT: 3.41
Response: 91800
Amount: 0.072277



Column: Detector GC ECD2B

32 delta-BHC, CAS: 319-86-8, Signal: 2

RT: 2.58
Response: 75790
Amount: 0.033446



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User Disabled Compound Report

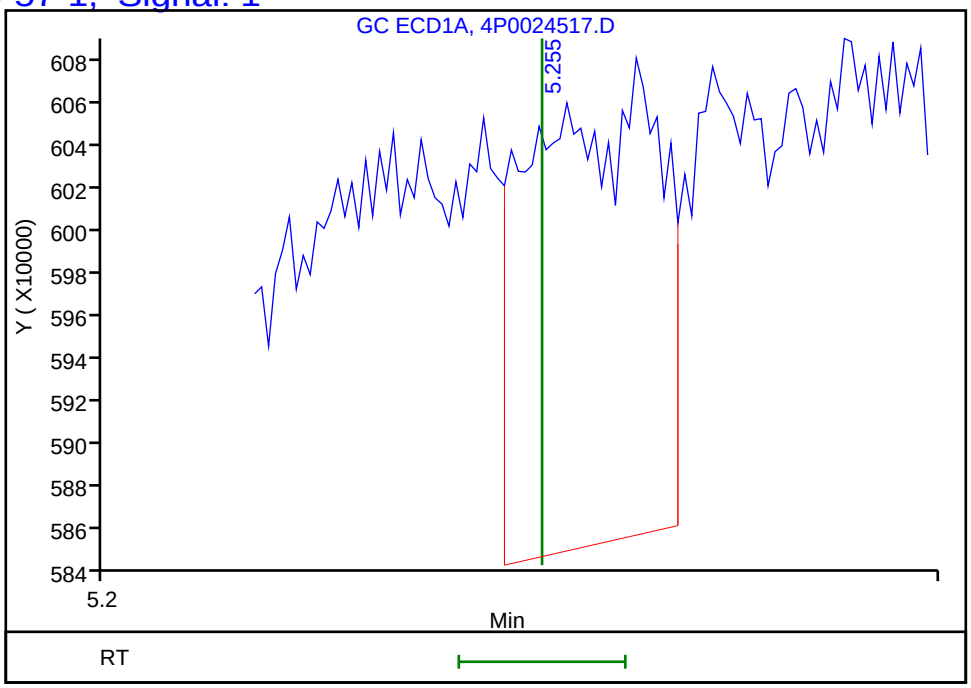
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

30 Dieldrin, CAS: 60-57-1, Signal: 1

RT: 5.26
Response: 227420
Amount: 0.171247



Column: Detector GC ECD2B

30 Dieldrin, CAS: 60-57-1, Signal: 2

RT: 4.24
Response: 14533
Amount: 0.007175

Reviewer: manlangitf, 27-Dec-2019 06:19:48
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User Disabled Compound Report

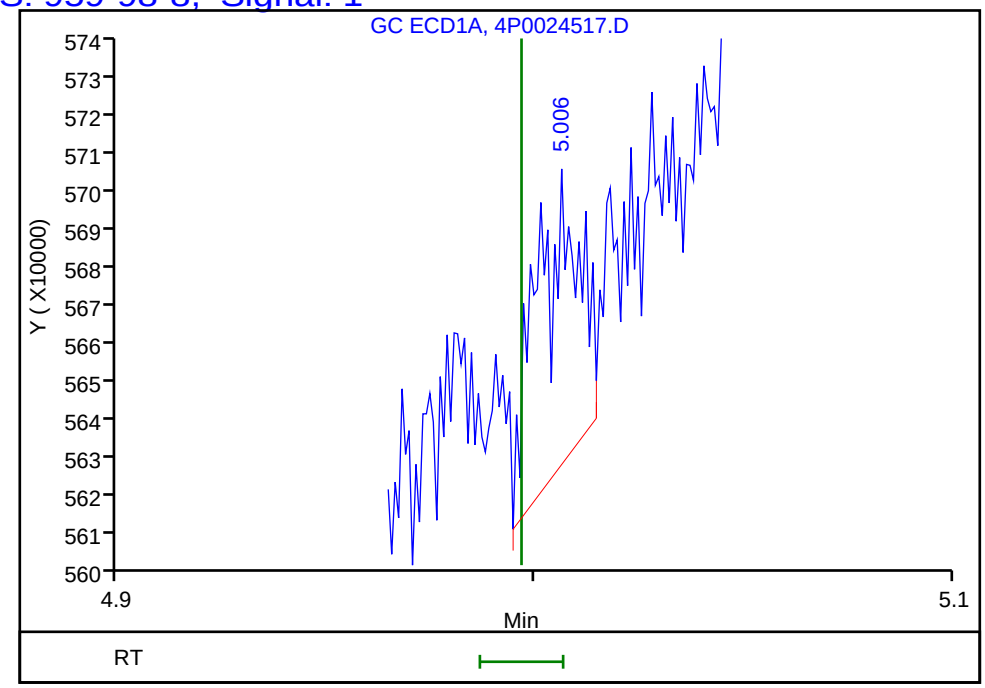
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

7 Endosulfan I, CAS: 959-98-8, Signal: 1

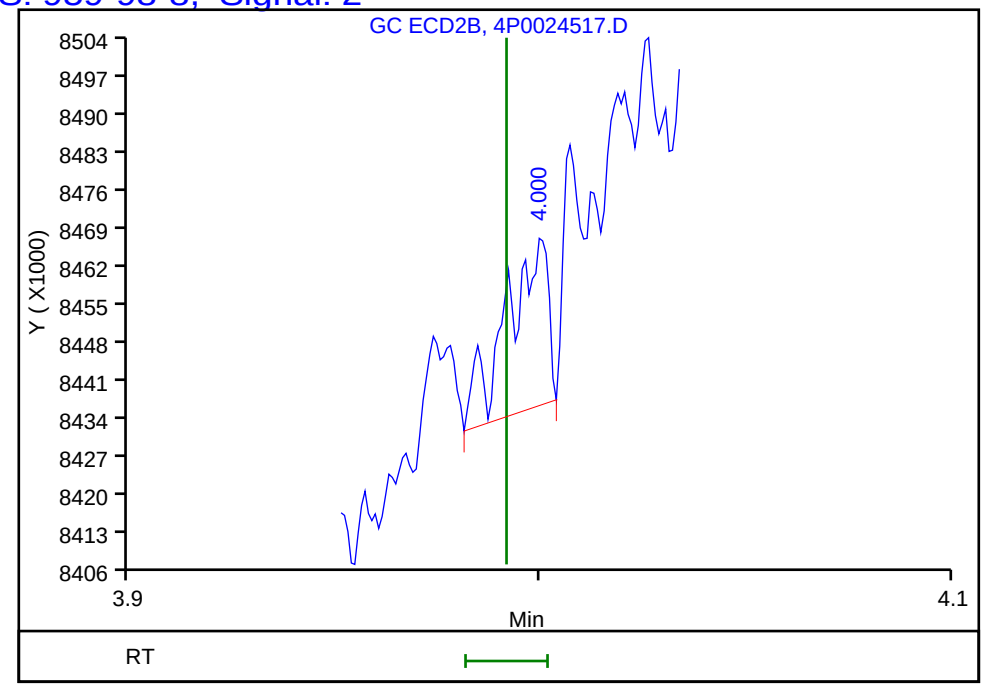
RT: 5.01
Response: 53528
Amount: 0.047937



Column: Detector GC ECD2B

7 Endosulfan I, CAS: 959-98-8, Signal: 2

RT: 4.00
Response: 22068
Amount: 0.011909



Reviewer: manlangitf, 27-Dec-2019 06:19:48
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User Disabled Compound Report

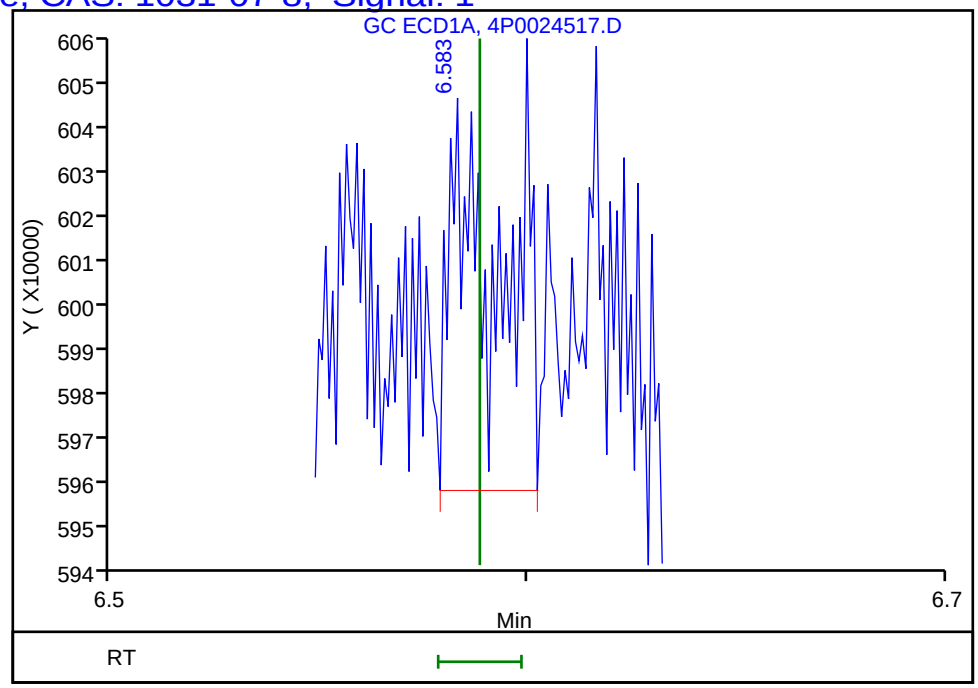
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 1

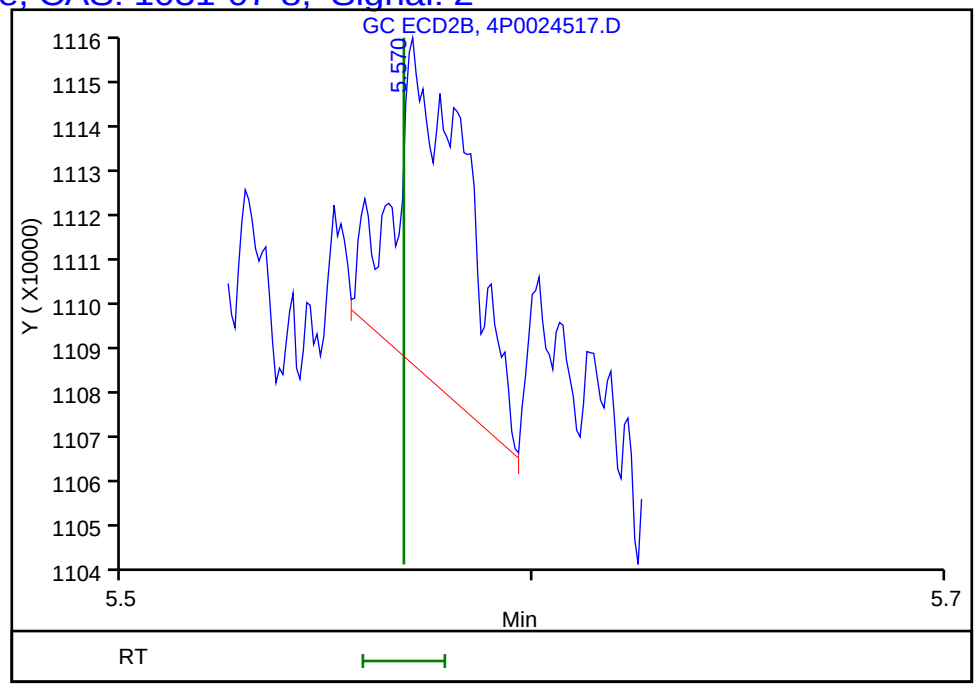
RT: 6.58
Response: 67483
Amount: 0.060715



Column: Detector GC ECD2B

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 2

RT: 5.57
Response: 85312
Amount: 0.040871



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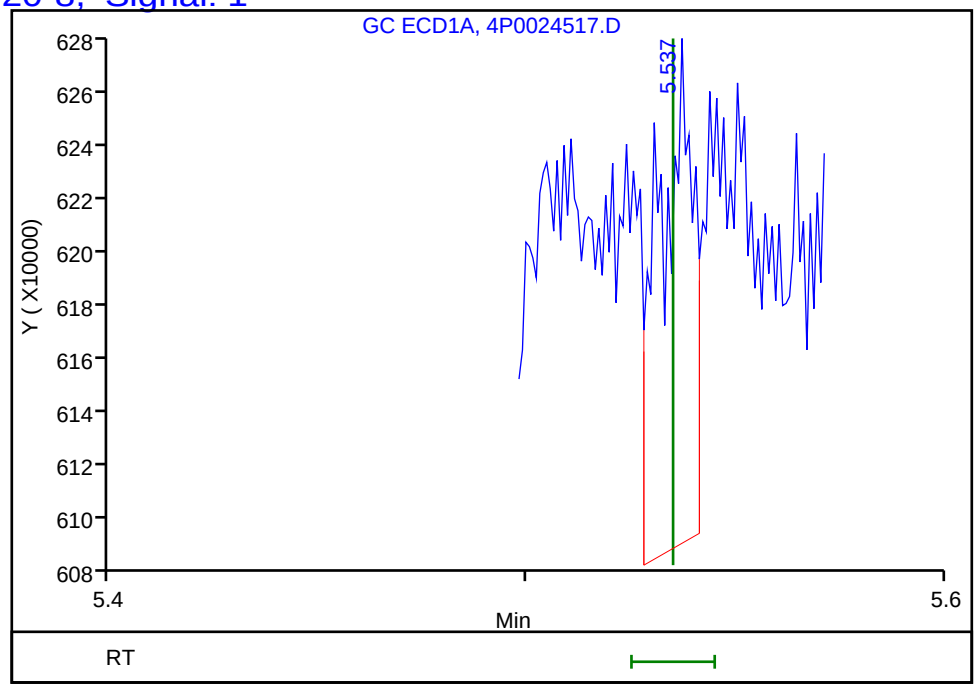
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

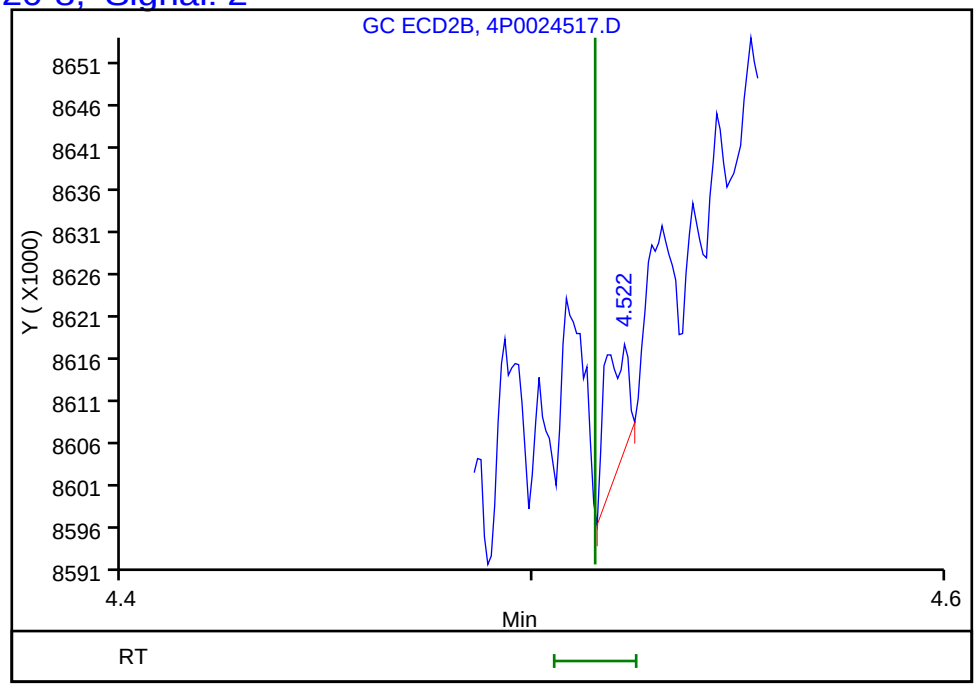
RT: 5.54
Response: 100196
Amount: 0.080935



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.52
Response: 5777
Amount: 0.003031



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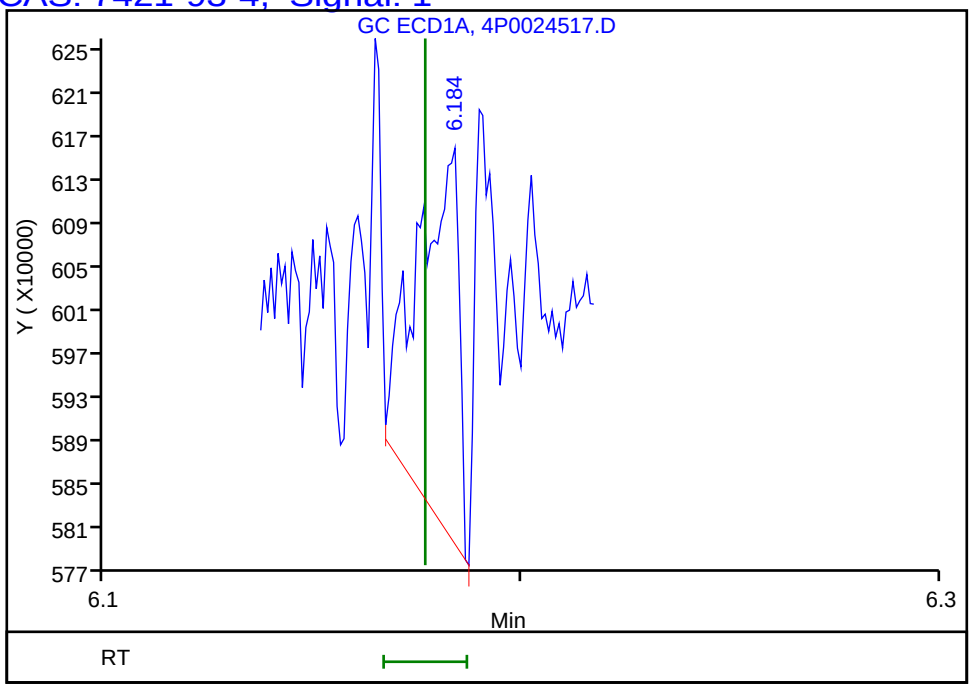
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 1

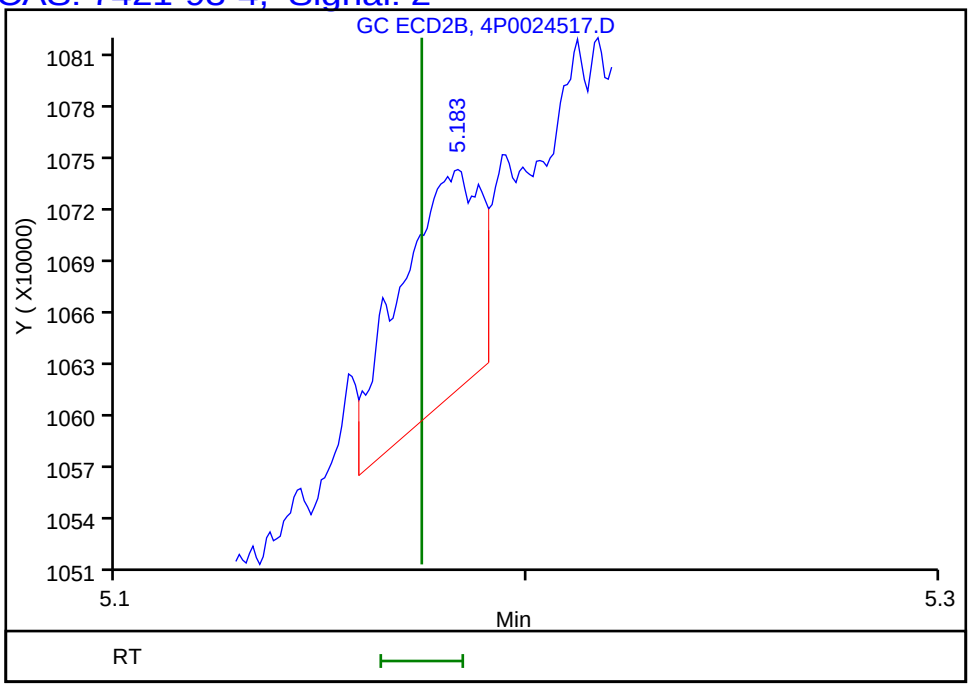
RT: 6.18
Response: 234556
Amount: 0.254764



Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 2

RT: 5.18
Response: 177818
Amount: 0.105672



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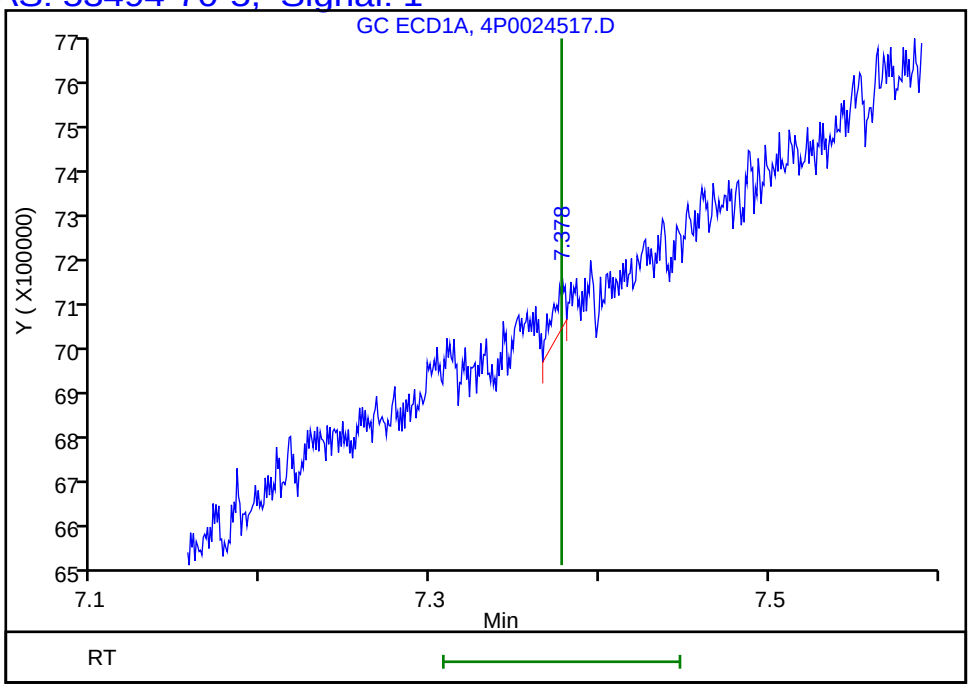
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

13 Endrin ketone, CAS: 53494-70-5, Signal: 1

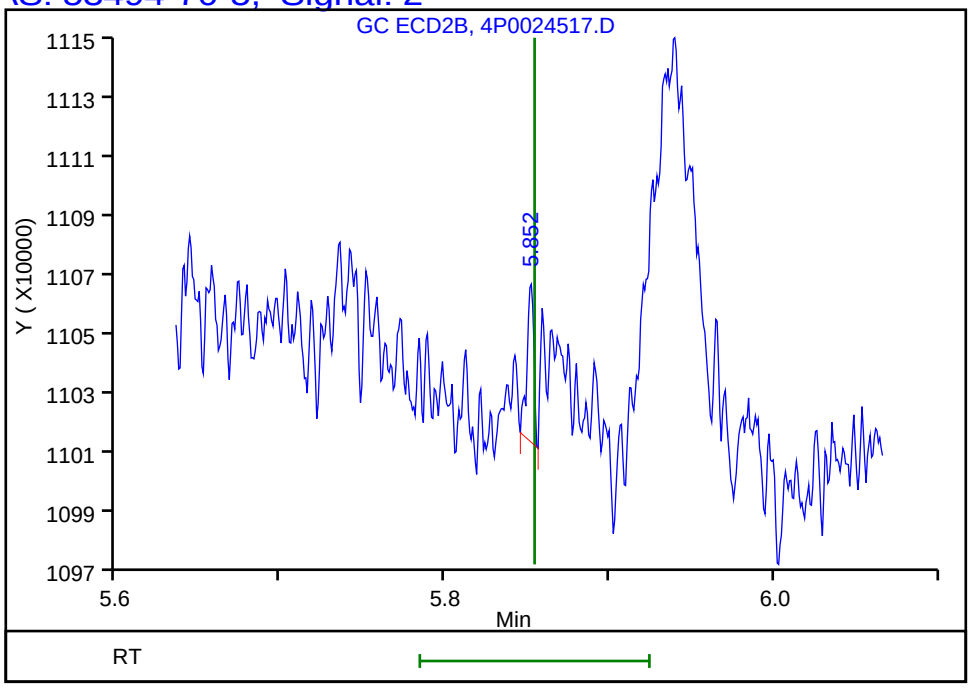
RT: 7.38
Response: 52464
Amount: 0.041006



Column: Detector GC ECD2B

13 Endrin ketone, CAS: 53494-70-5, Signal: 2

RT: 5.85
Response: 15358
Amount: 0.006588



Reviewer: manlangitf, 27-Dec-2019 06:19:48
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User Disabled Compound Report

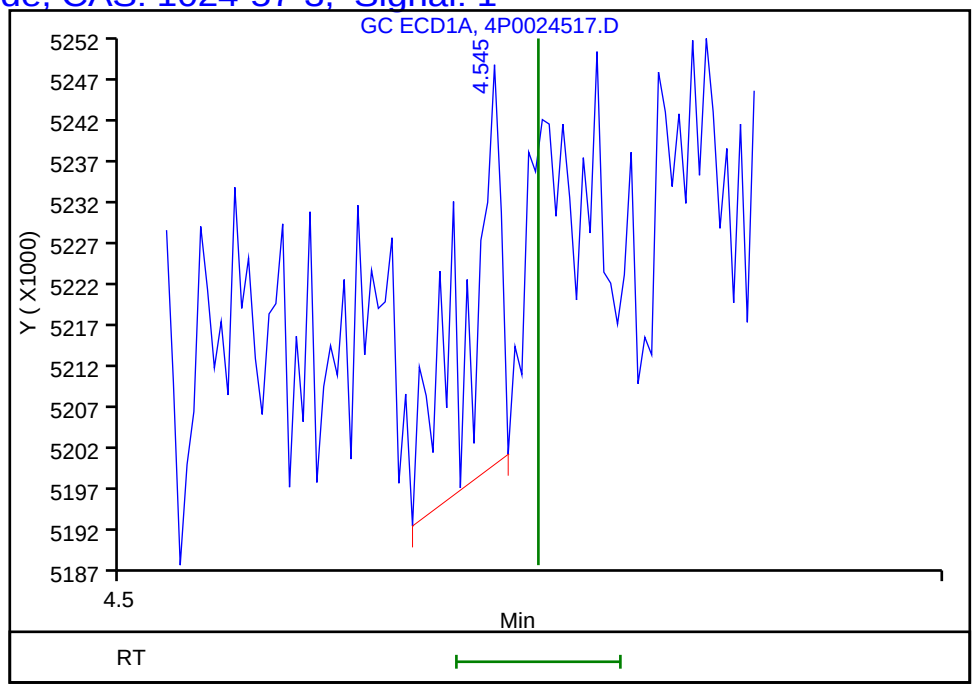
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 1

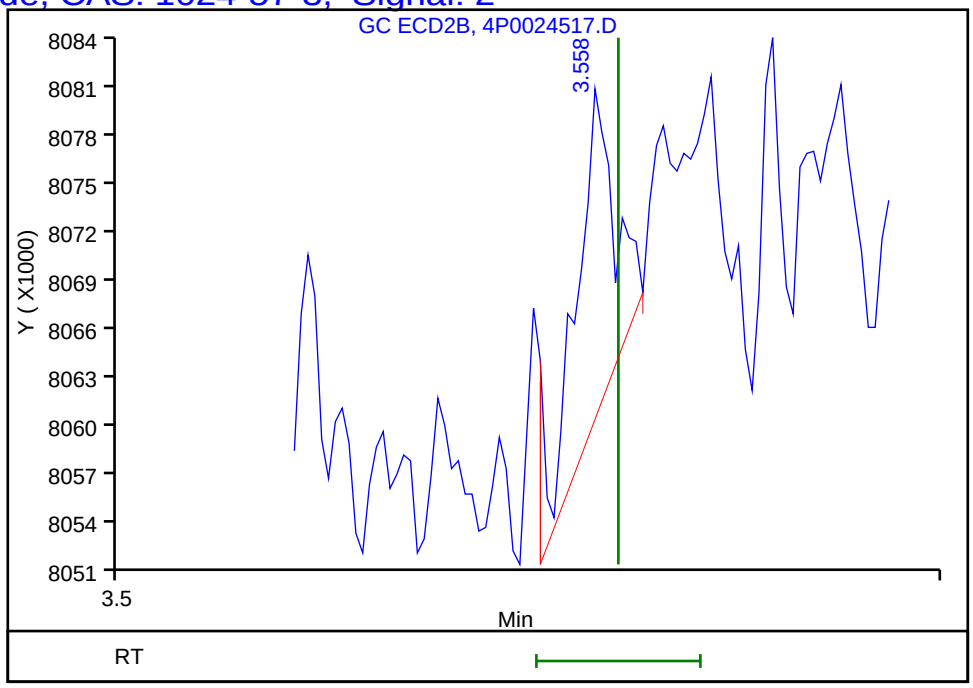
RT: 4.55
Response: 14296
Amount: 0.011964



Column: Detector GC ECD2B

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 2

RT: 3.56
Response: 6685
Amount: 0.003329



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

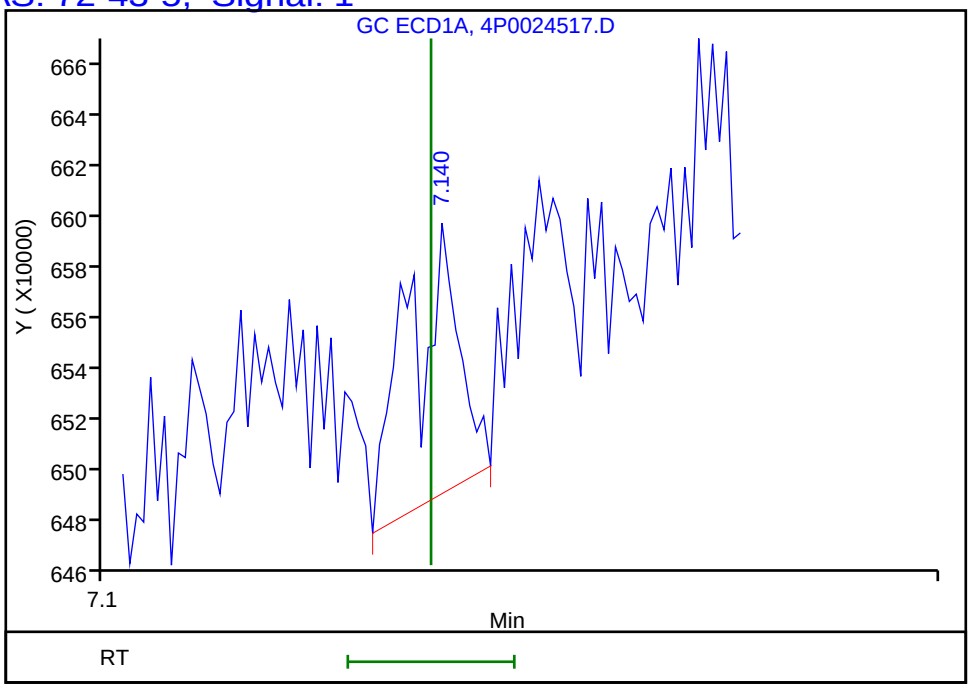
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

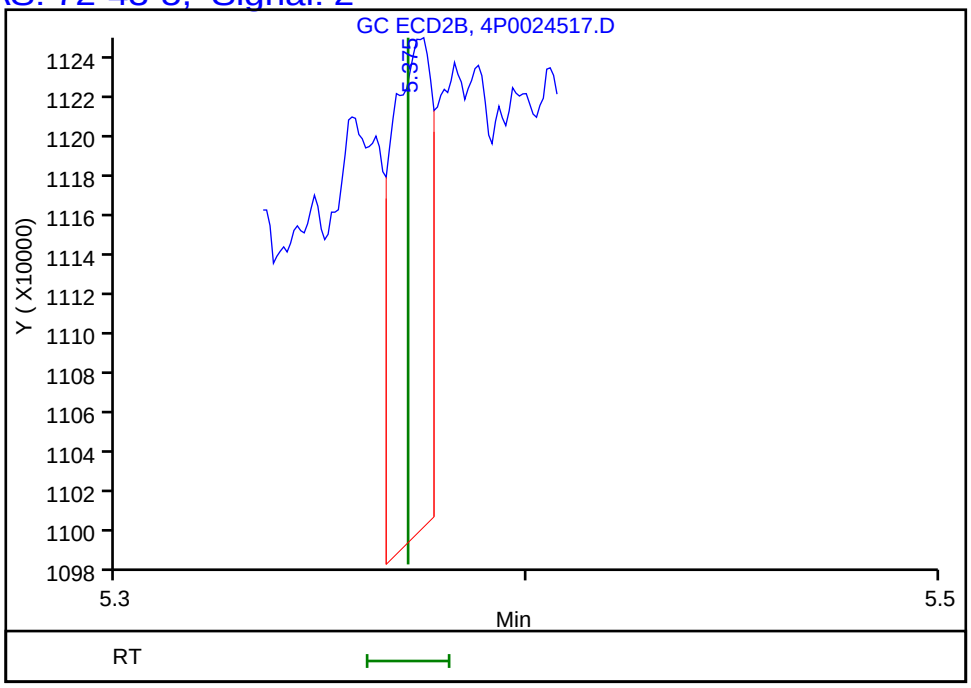
RT: 7.14
Response: 43665
Amount: 0.069069



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.37
Response: 157205
Amount: 0.138028



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665106/1-A

Matrix: Water Lab File ID: 4P0024517.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 12/26/2019 09:10

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 05:39

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.0060	U	0.020	0.0060
72-55-9	4,4'-DDE	0.0020	U	0.020	0.0020
50-29-3	4,4'-DDT	0.0040	U	0.020	0.0040
309-00-2	Aldrin	0.0030	U	0.020	0.0030
319-84-6	alpha-BHC	0.0070	U	0.020	0.0070
319-85-7	beta-BHC	0.0040	U	0.020	0.0040
12789-03-6	Chlordane (technical)	0.055	U	0.50	0.055
319-86-8	delta-BHC	0.0050	U	0.020	0.0050
60-57-1	Dieldrin	0.0030	U	0.020	0.0030
959-98-8	Endosulfan I	0.0020	U	0.020	0.0020
33213-65-9	Endosulfan II	0.0040	U	0.020	0.0040
1031-07-8	Endosulfan sulfate	0.0060	U	0.020	0.0060
72-20-8	Endrin	0.0040	U	0.020	0.0040
7421-93-4	Endrin aldehyde	0.0080	U	0.020	0.0080
53494-70-5	Endrin ketone	0.0080	U	0.020	0.0080
58-89-9	gamma-BHC (Lindane)	0.012	U	0.020	0.012
76-44-8	Heptachlor	0.0030	U	0.020	0.0030
1024-57-3	Heptachlor epoxide	0.0050	U	0.020	0.0050
72-43-5	Methoxychlor	0.0040	U	0.020	0.0040
8001-35-2	Toxaphene	0.11	U	0.50	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		10-150
877-09-8	Tetrachloro-m-xylene	82		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Lims ID: MB 460-665106/1-A
Client ID:
Sample Type: MB
Inject. Date: 27-Dec-2019 05:39:53 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-010
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:19:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.685	1.679	0.006	80835883	100.0	100.0	
2	1.514	1.507	0.007	167102999	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.240	2.232	0.008	72164182	100.0	78.6	
2	1.880	1.873	0.007	137839570	100.0	81.6	
						RPD = 3.65	
$ 24 DCB Decachlorobiphenyl							
1	8.436	8.435	0.001	88170835	100.0	84.9	
2	7.386	7.381	0.005	211181956	100.0	92.5	
						RPD = 8.62	

Reagents:

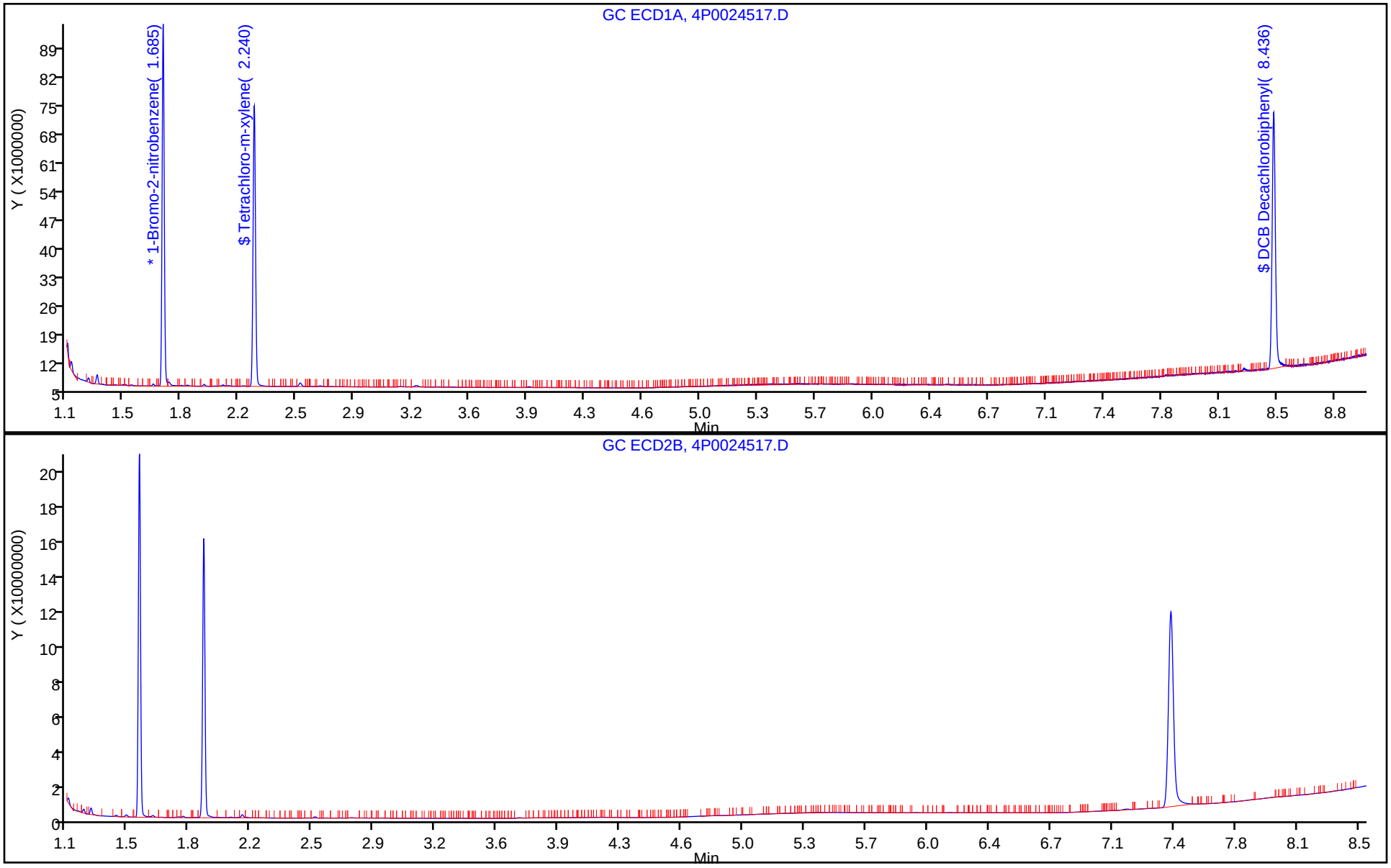
SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:14:45 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D

Injection Date:	27-Dec-2019 05:39:53	Instrument ID:	CPESTGC4	Operator ID:	
Lims ID:	MB 460-665106/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	GC-4 8081 ISTD	Limit Group:	GC 8081B PEST ISTD		



User Disabled Compound Report

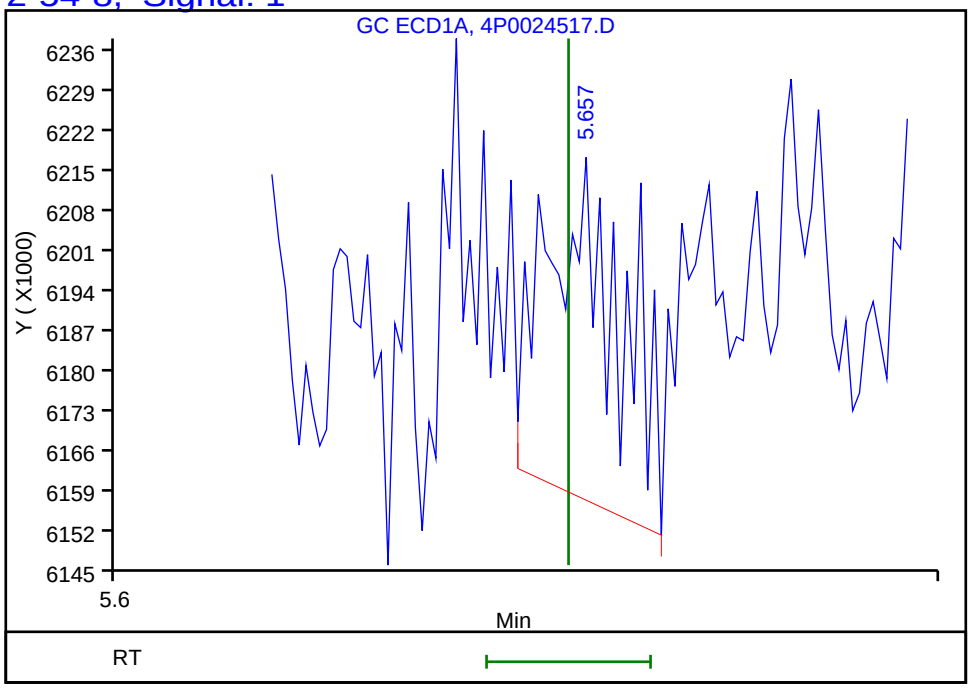
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

16 4,4'-DDD, CAS: 72-54-8, Signal: 1

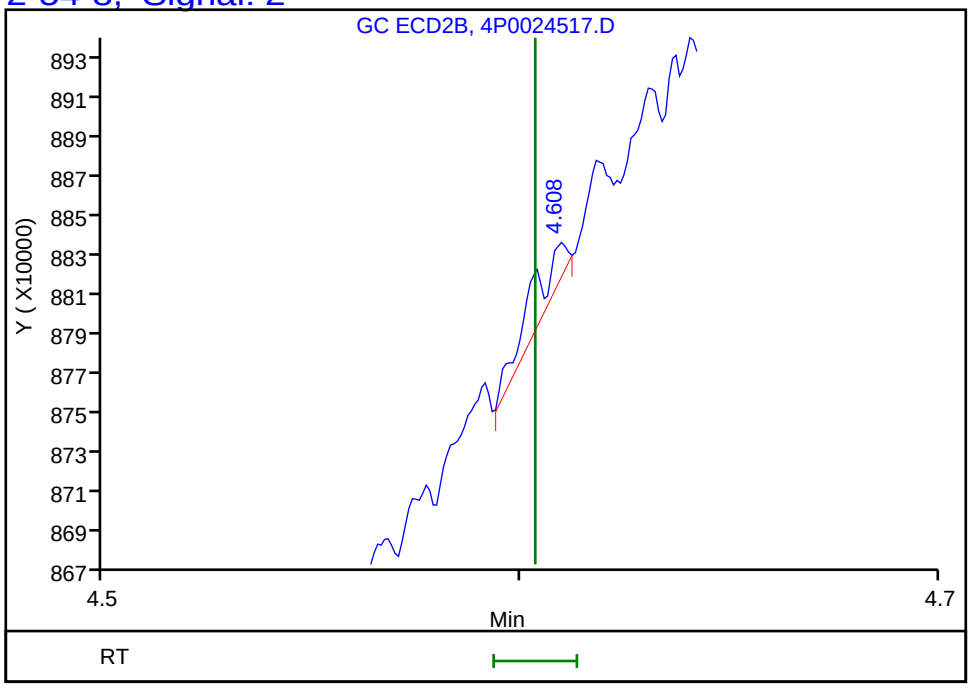
RT: 5.66
Response: 36733
Amount: 0.034103



Column: Detector GC ECD2B

16 4,4'-DDD, CAS: 72-54-8, Signal: 2

RT: 4.61
Response: 15739
Amount: 0.009947



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

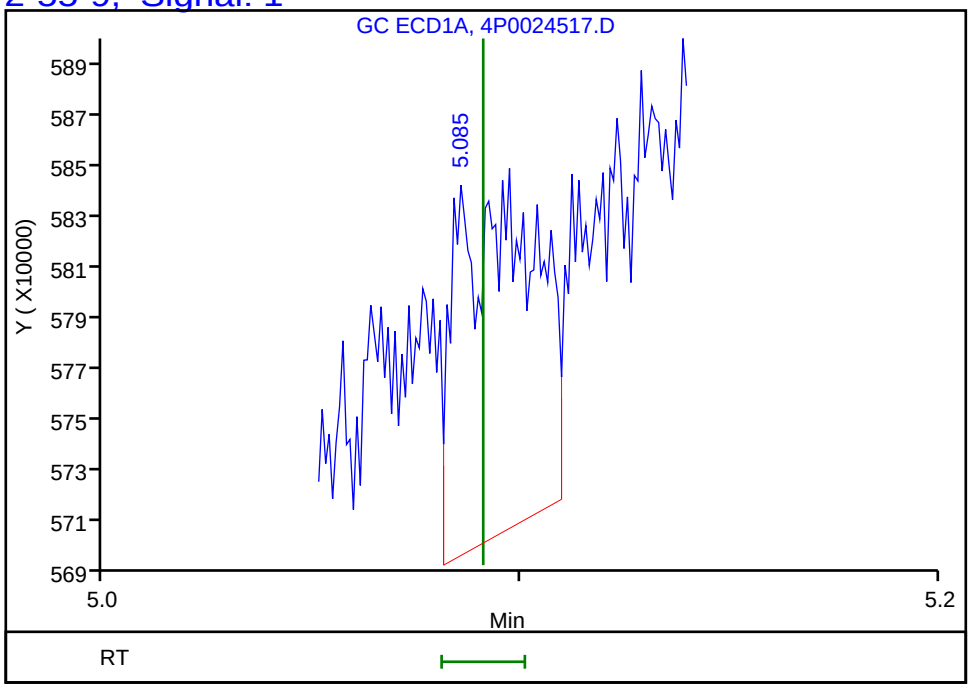
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

25 4,4'-DDE, CAS: 72-55-9, Signal: 1

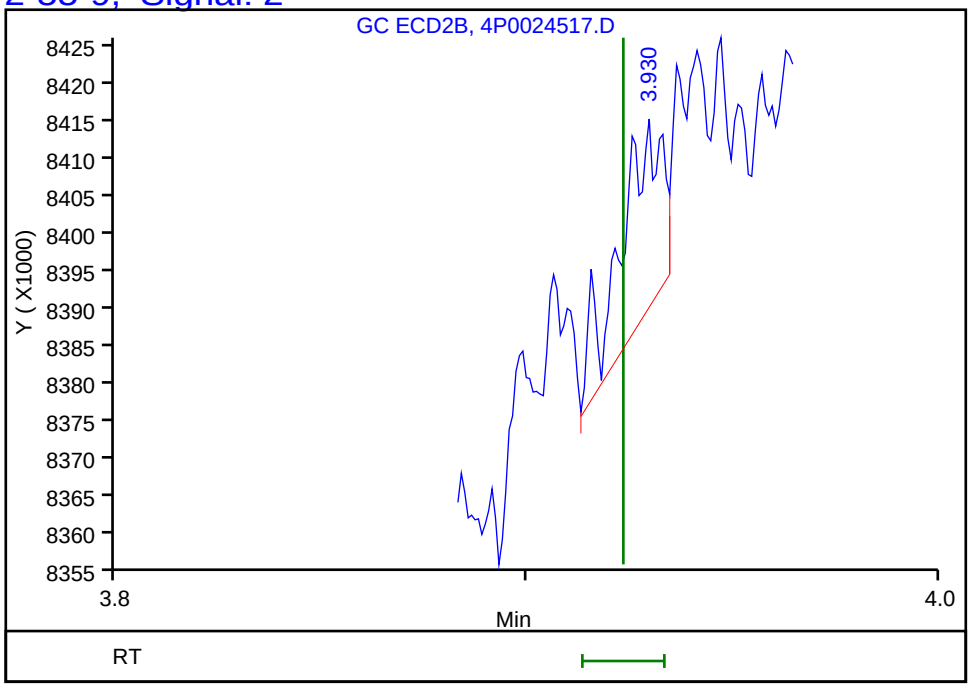
RT: 5.09
Response: 172308
Amount: 0.141284



Column: Detector GC ECD2B

25 4,4'-DDE, CAS: 72-55-9, Signal: 2

RT: 3.93
Response: 18468
Amount: 0.009943



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

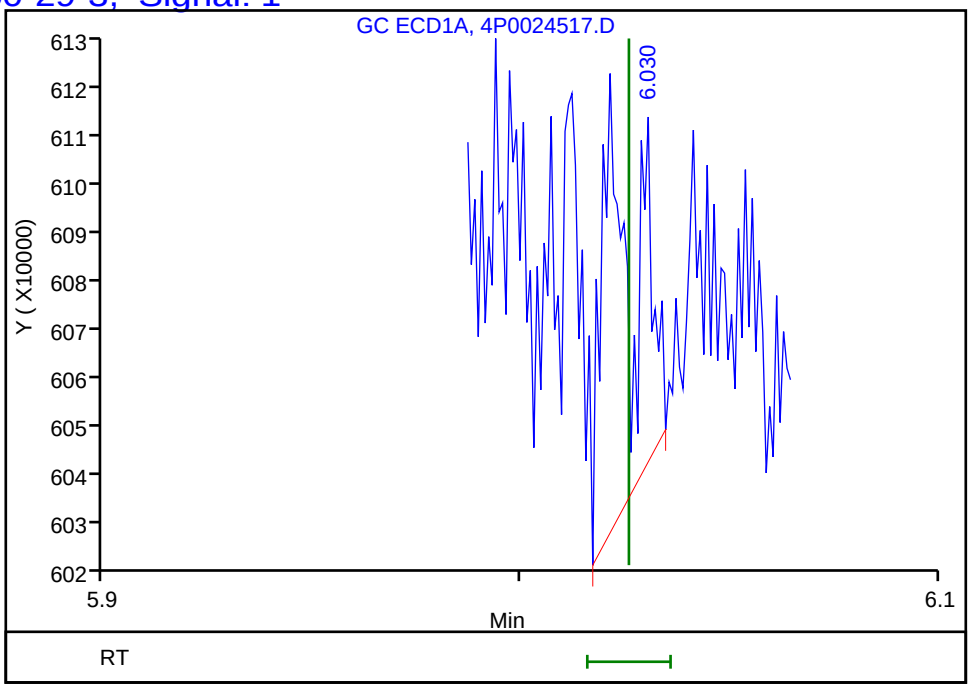
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

21 4,4'-DDT, CAS: 50-29-3, Signal: 1

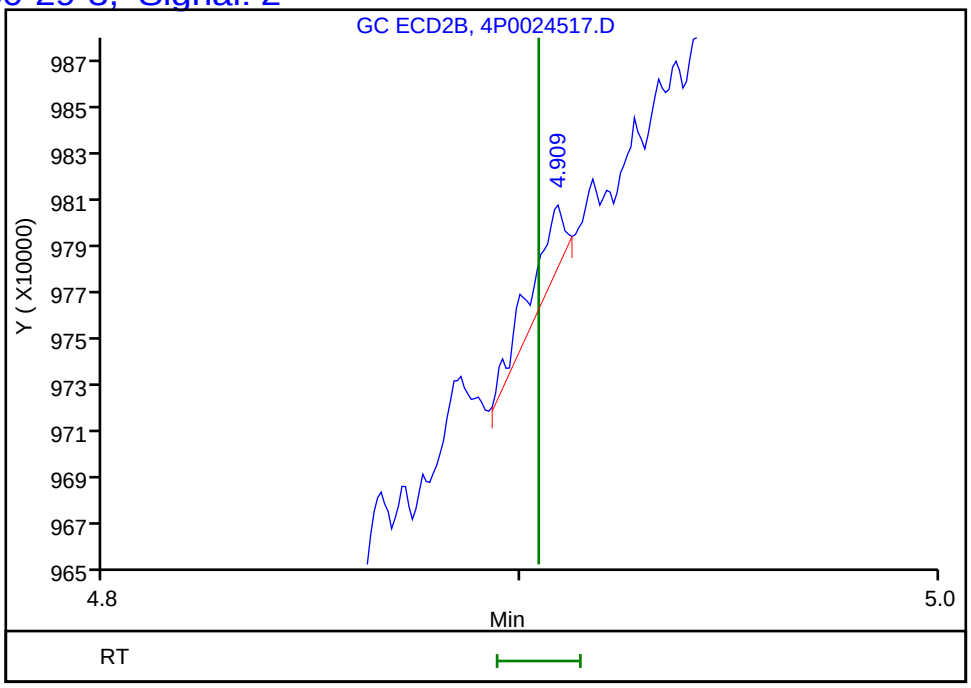
RT: 6.03
Response: 46990
Amount: 0.039048



Column: Detector GC ECD2B

21 4,4'-DDT, CAS: 50-29-3, Signal: 2

RT: 4.91
Response: 16727
Amount: 0.008923



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

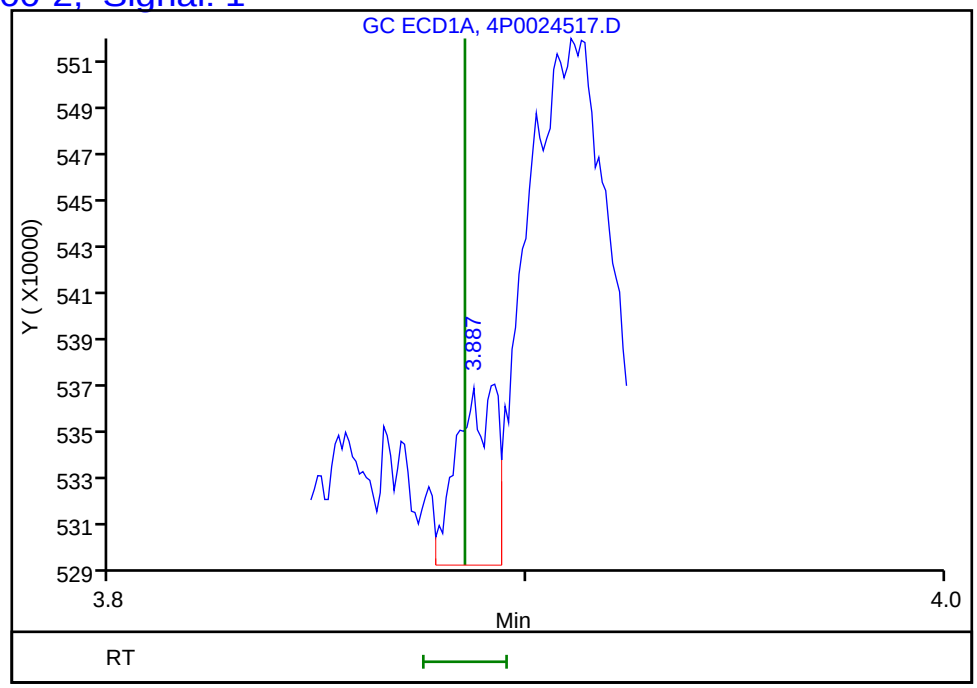
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

8 Aldrin, CAS: 309-00-2, Signal: 1

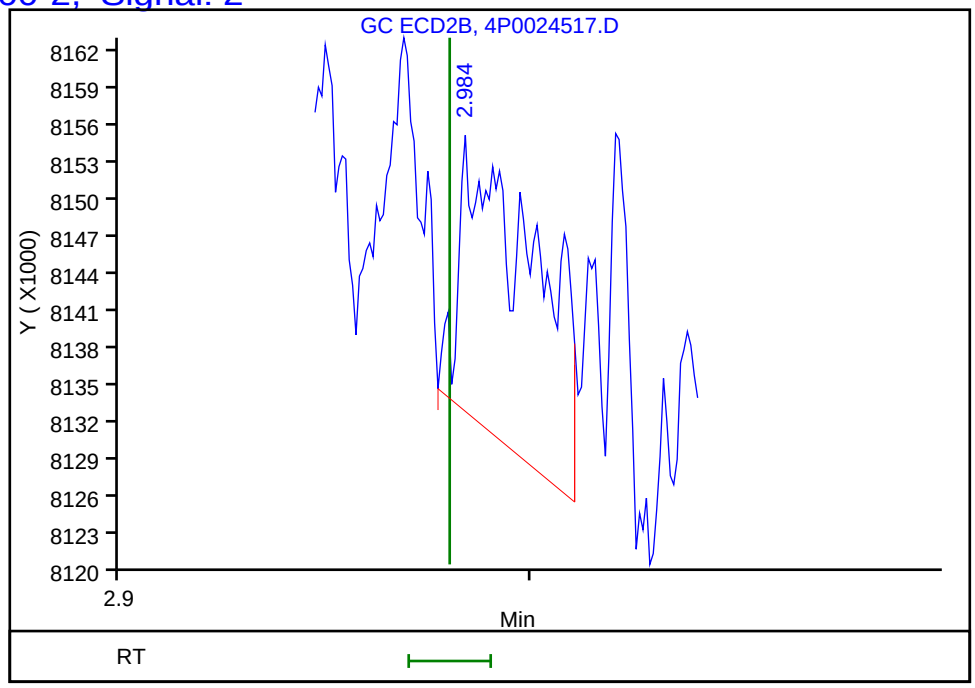
RT: 3.89
Response: 48735
Amount: 0.037660



Column: Detector GC ECD2B

8 Aldrin, CAS: 309-00-2, Signal: 2

RT: 2.98
Response: 30683
Amount: 0.014449



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

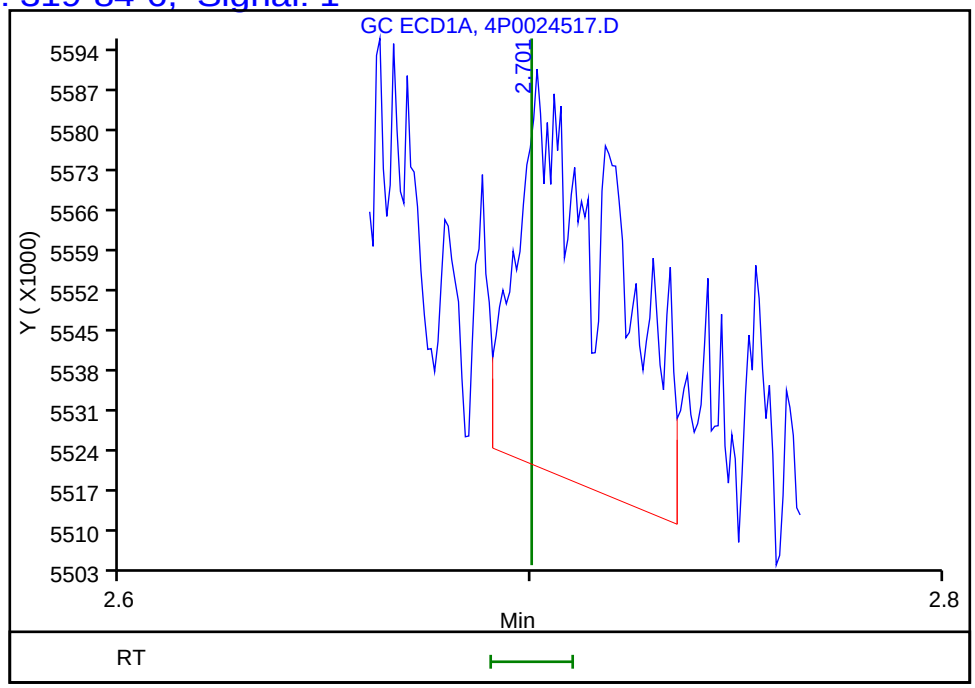
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

15 alpha-BHC, CAS: 319-84-6, Signal: 1

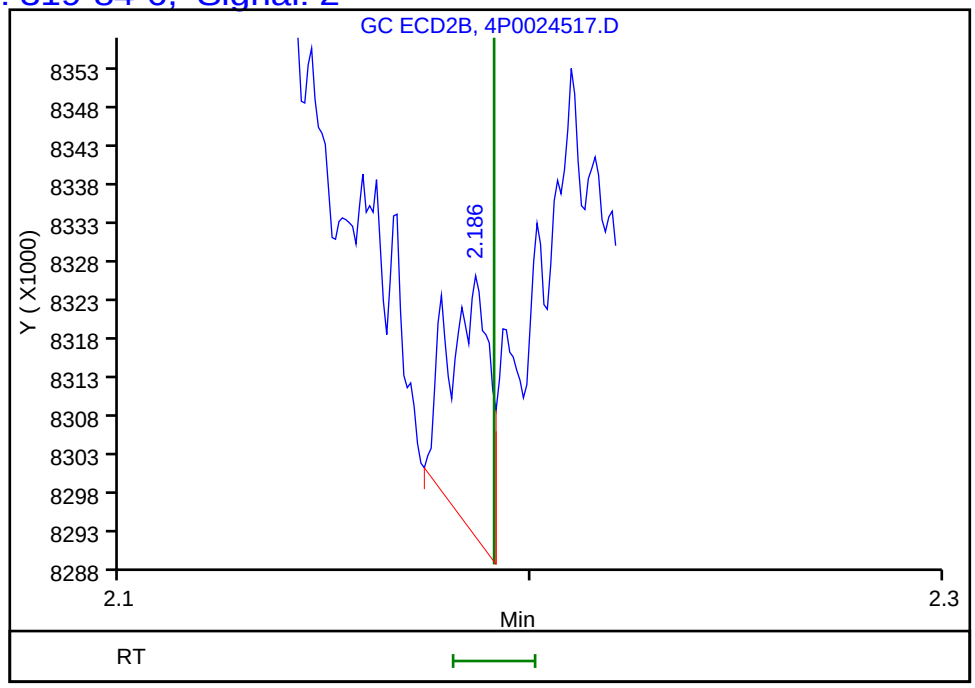
RT: 2.70
Response: 113063
Amount: 0.080109



Column: Detector GC ECD2B

15 alpha-BHC, CAS: 319-84-6, Signal: 2

RT: 2.19
Response: 22207
Amount: 0.008897



Reviewer: manlangitf, 27-Dec-2019 06:19:48
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User Disabled Compound Report

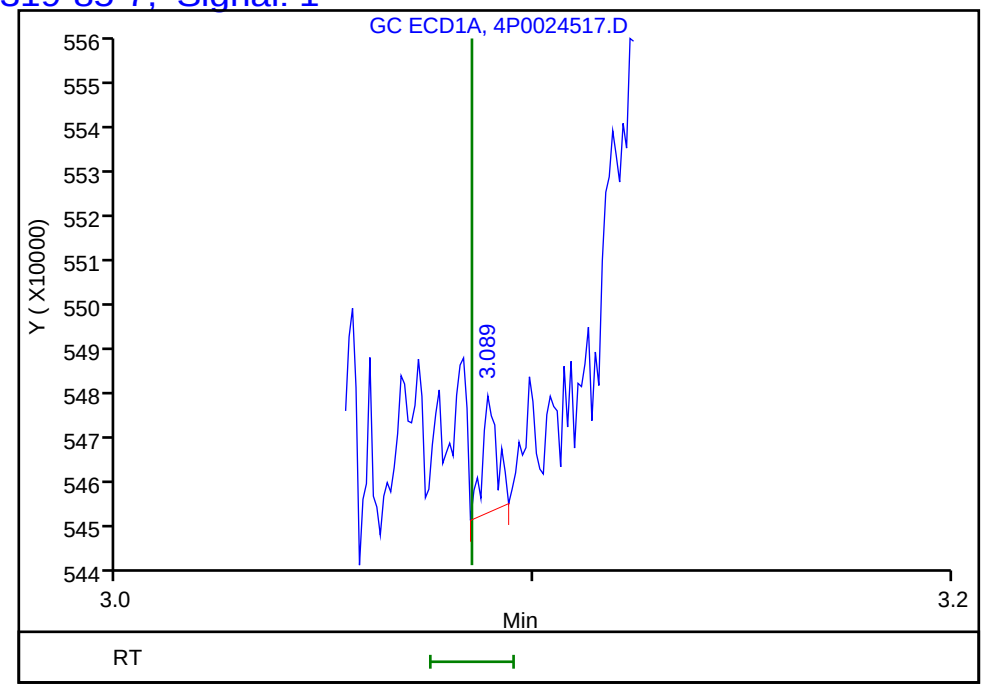
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

6 beta-BHC, CAS: 319-85-7, Signal: 1

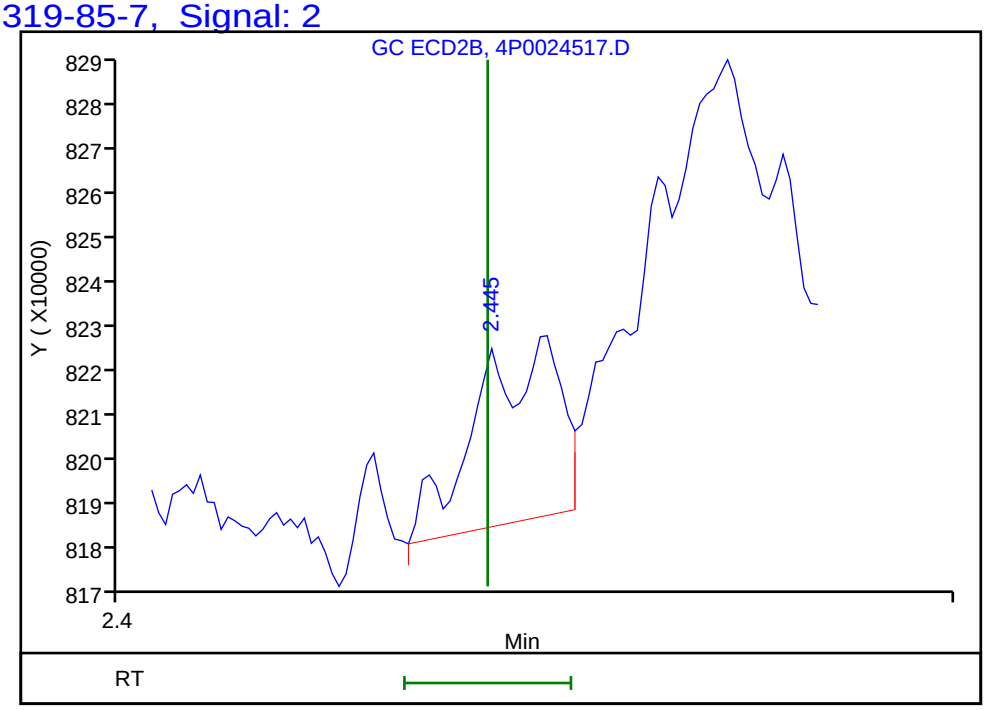
RT: 3.09
Response: 6056
Amount: 0.010648



Column: Detector GC ECD2B

6 beta-BHC, CAS: 319-85-7, Signal: 2

RT: 2.44
Response: 27926
Amount: 0.027386



Reviewer: manlangitf, 27-Dec-2019 06:19:48
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User Disabled Compound Report

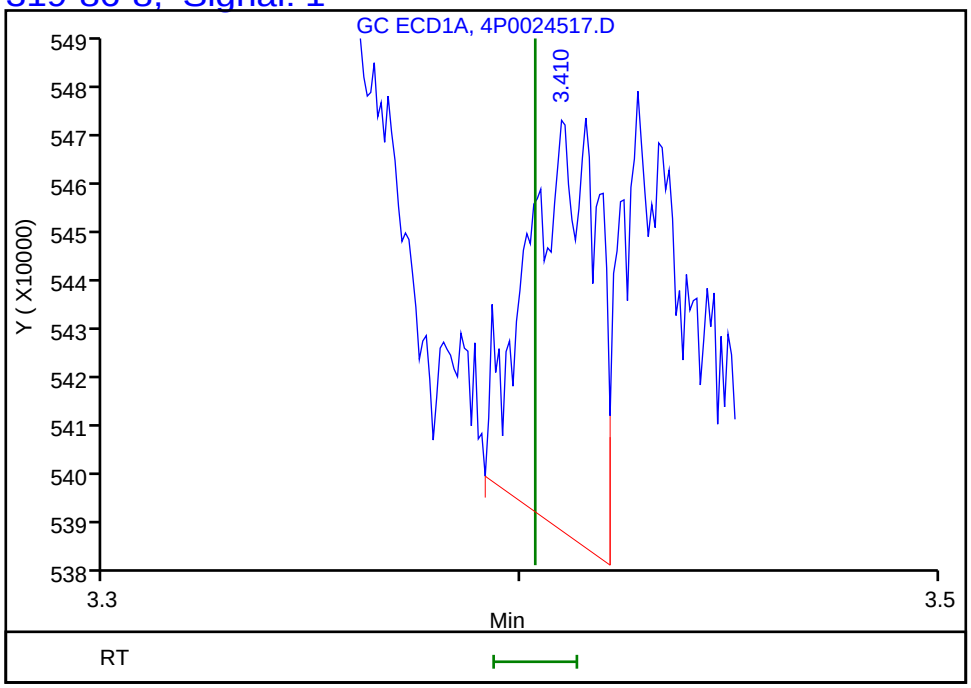
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

32 delta-BHC, CAS: 319-86-8, Signal: 1

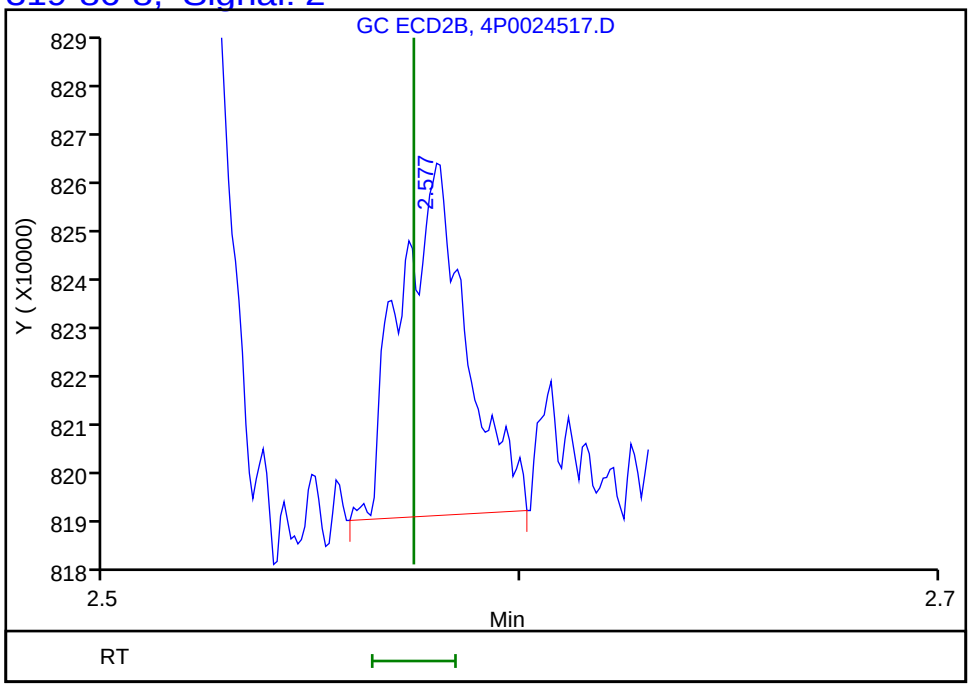
RT: 3.41
Response: 91800
Amount: 0.072277



Column: Detector GC ECD2B

32 delta-BHC, CAS: 319-86-8, Signal: 2

RT: 2.58
Response: 75790
Amount: 0.033446



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

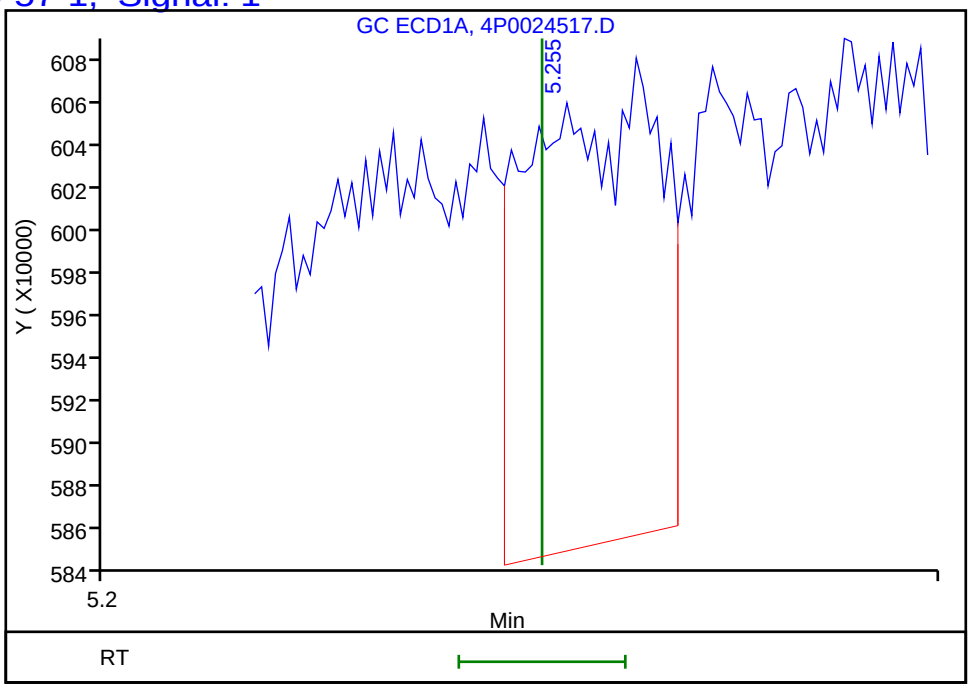
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

30 Dieldrin, CAS: 60-57-1, Signal: 1

RT: 5.26
Response: 227420
Amount: 0.171247



Column: Detector GC ECD2B

30 Dieldrin, CAS: 60-57-1, Signal: 2

RT: 4.24
Response: 14533
Amount: 0.007175

Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

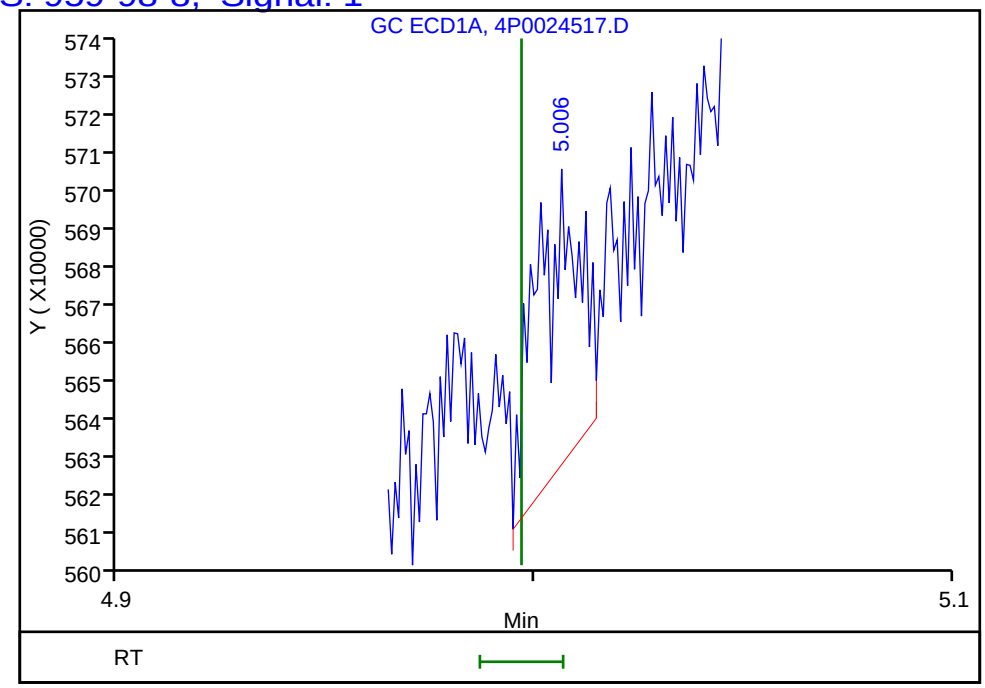
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

7 Endosulfan I, CAS: 959-98-8, Signal: 1

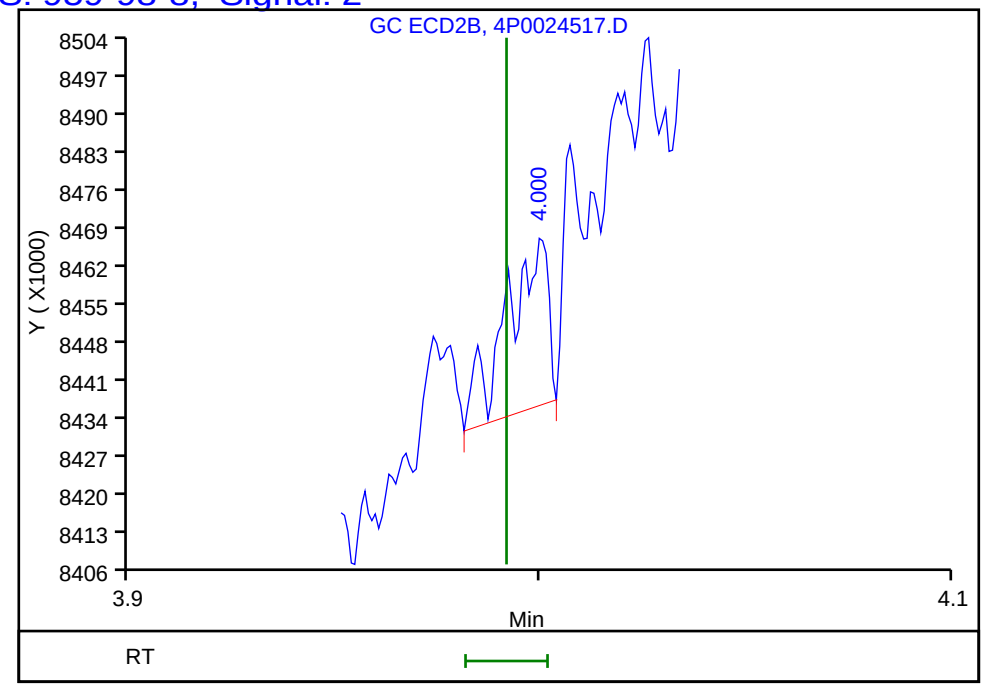
RT: 5.01
Response: 53528
Amount: 0.047937



Column: Detector GC ECD2B

7 Endosulfan I, CAS: 959-98-8, Signal: 2

RT: 4.00
Response: 22068
Amount: 0.011909



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

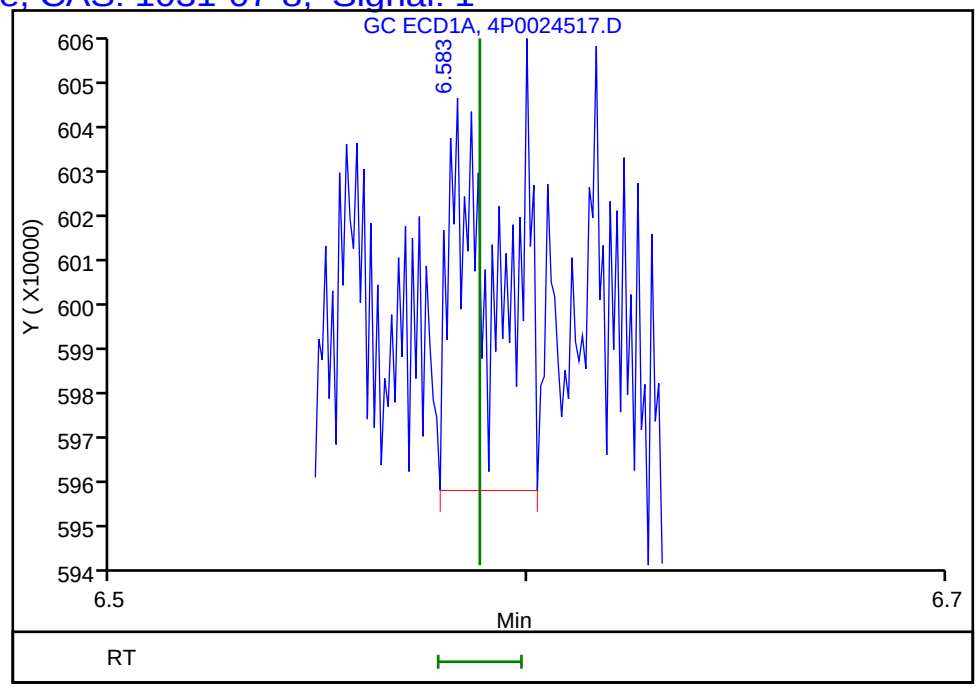
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 1

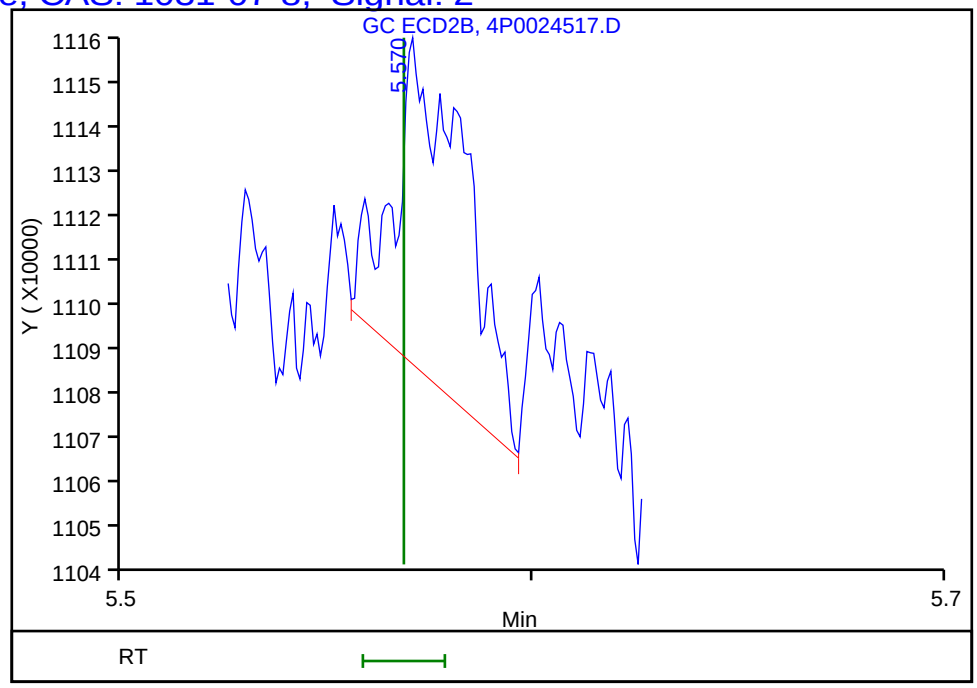
RT: 6.58
Response: 67483
Amount: 0.060715



Column: Detector GC ECD2B

3 Endosulfan sulfate, CAS: 1031-07-8, Signal: 2

RT: 5.57
Response: 85312
Amount: 0.040871



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

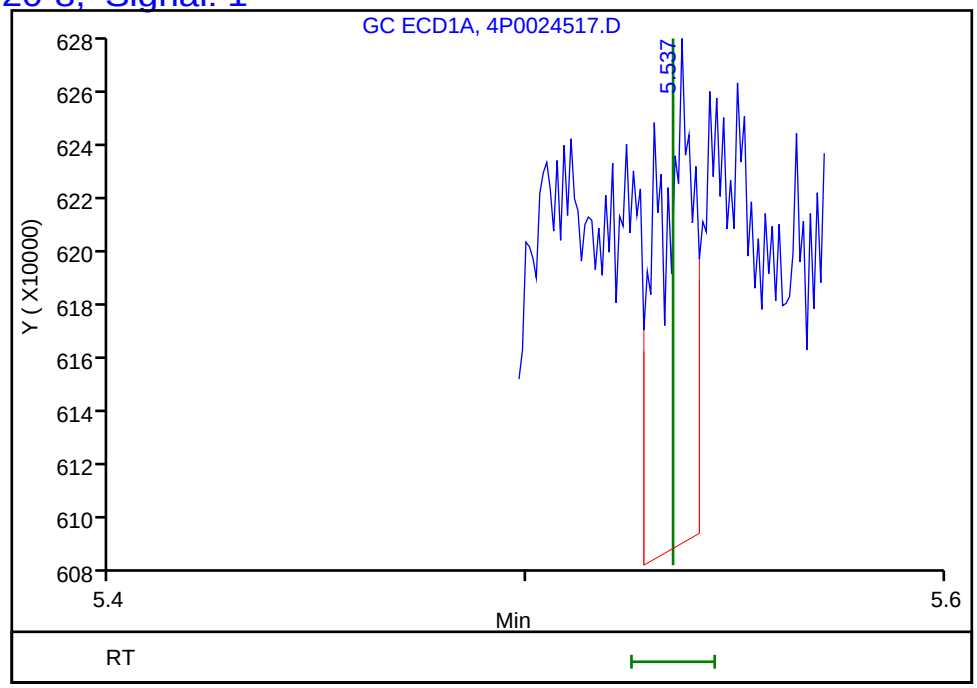
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8, Signal: 1

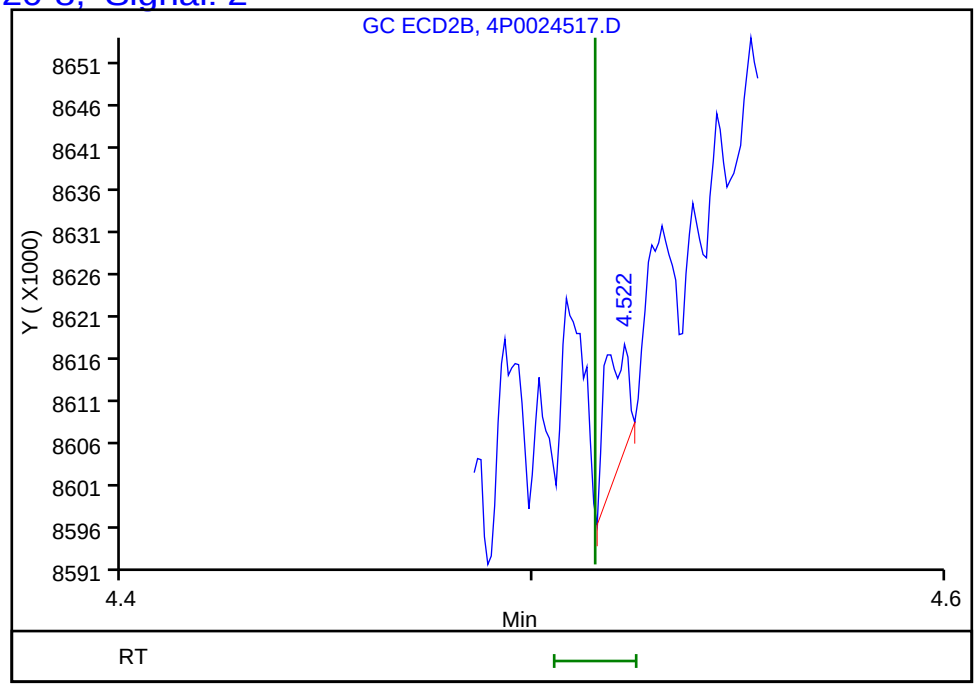
RT: 5.54
Response: 100196
Amount: 0.080935



Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8, Signal: 2

RT: 4.52
Response: 5777
Amount: 0.003031



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

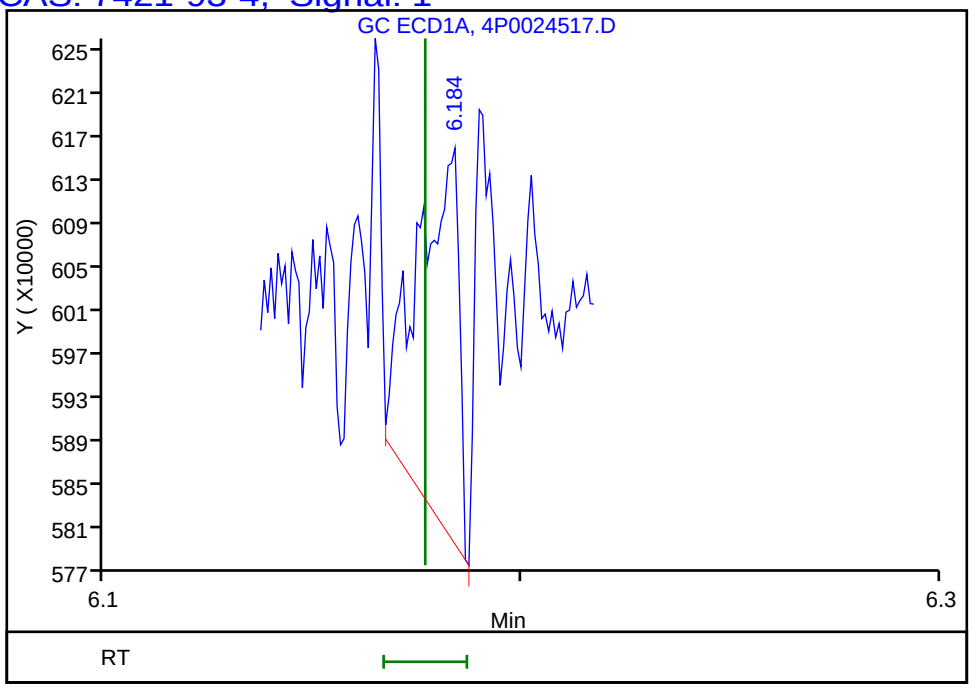
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 1

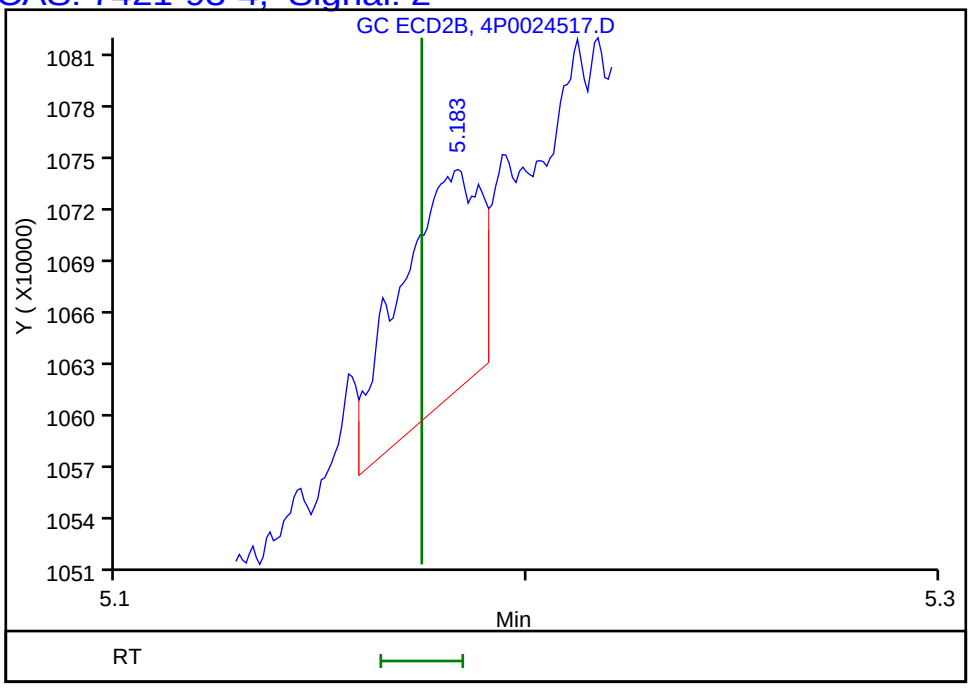
RT: 6.18
Response: 234556
Amount: 0.254764



Column: Detector GC ECD2B

5 Endrin aldehyde, CAS: 7421-93-4, Signal: 2

RT: 5.18
Response: 177818
Amount: 0.105672



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

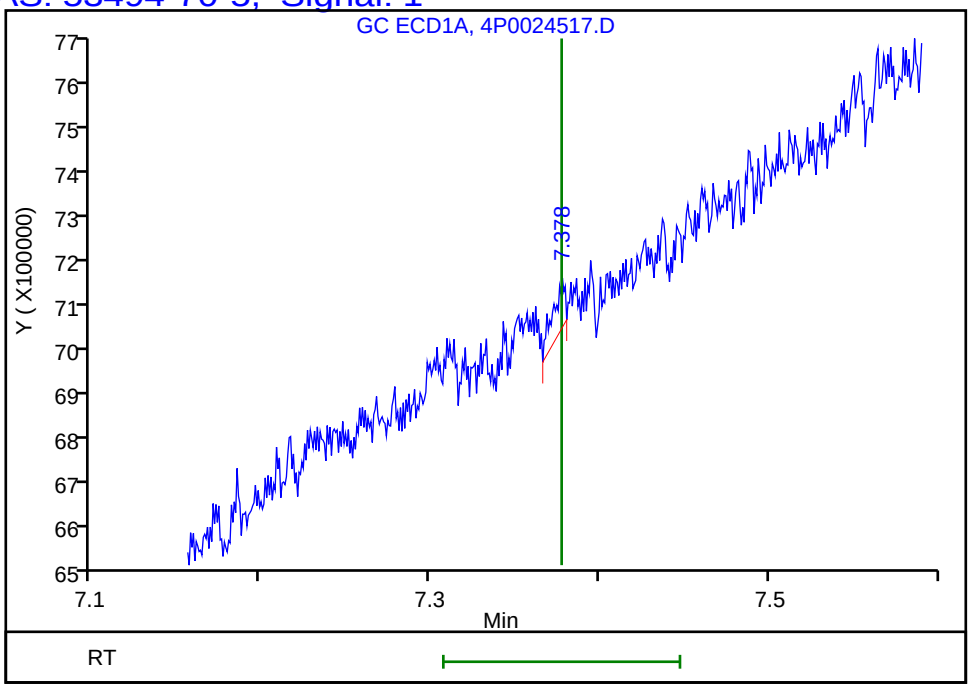
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

13 Endrin ketone, CAS: 53494-70-5, Signal: 1

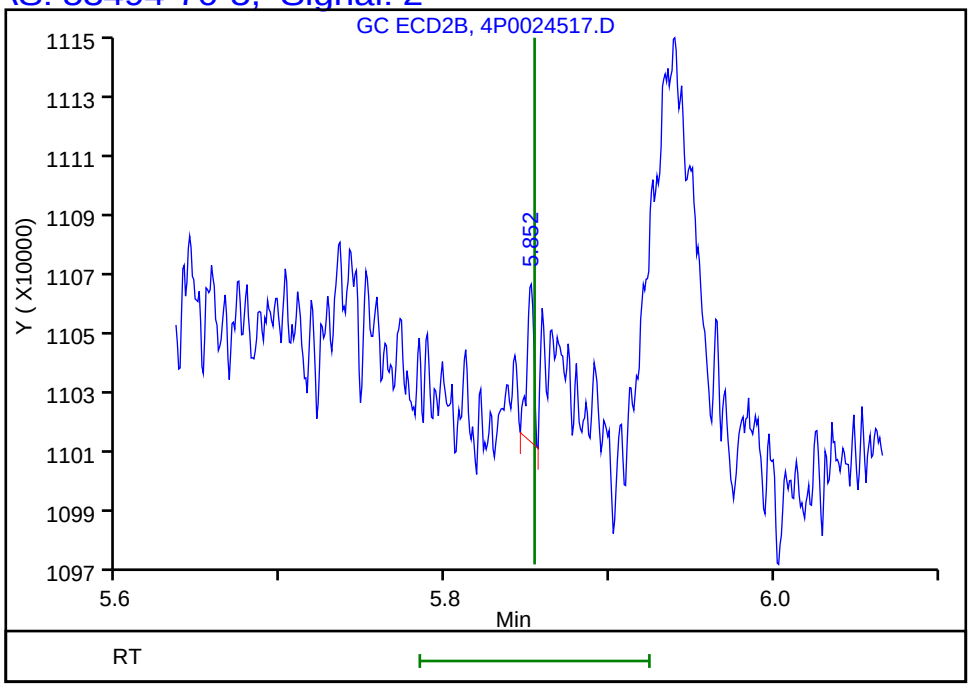
RT: 7.38
Response: 52464
Amount: 0.041006



Column: Detector GC ECD2B

13 Endrin ketone, CAS: 53494-70-5, Signal: 2

RT: 5.85
Response: 15358
Amount: 0.006588



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

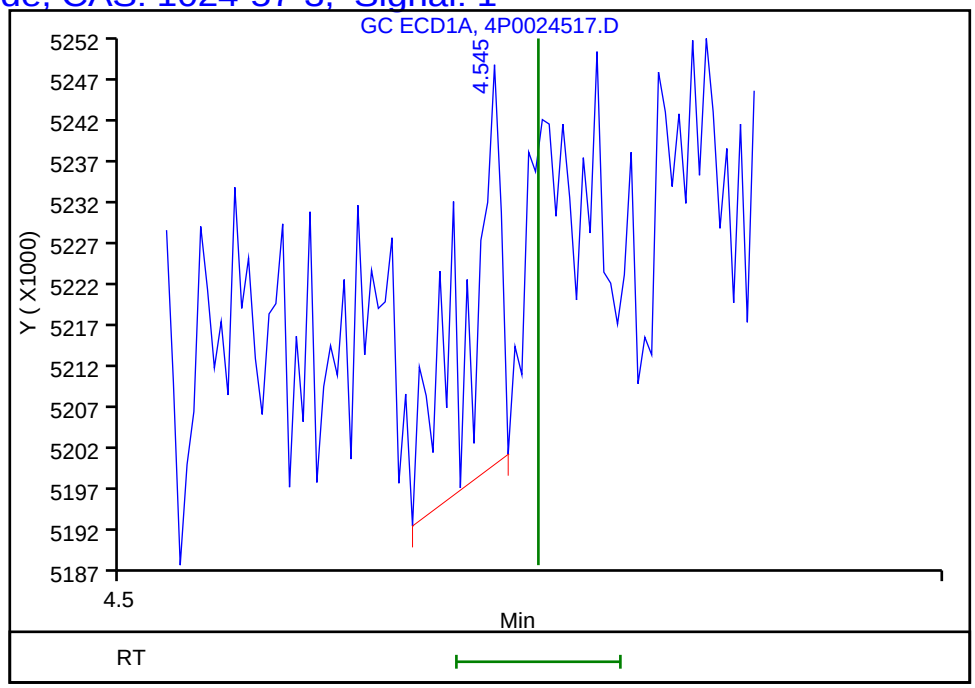
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 1

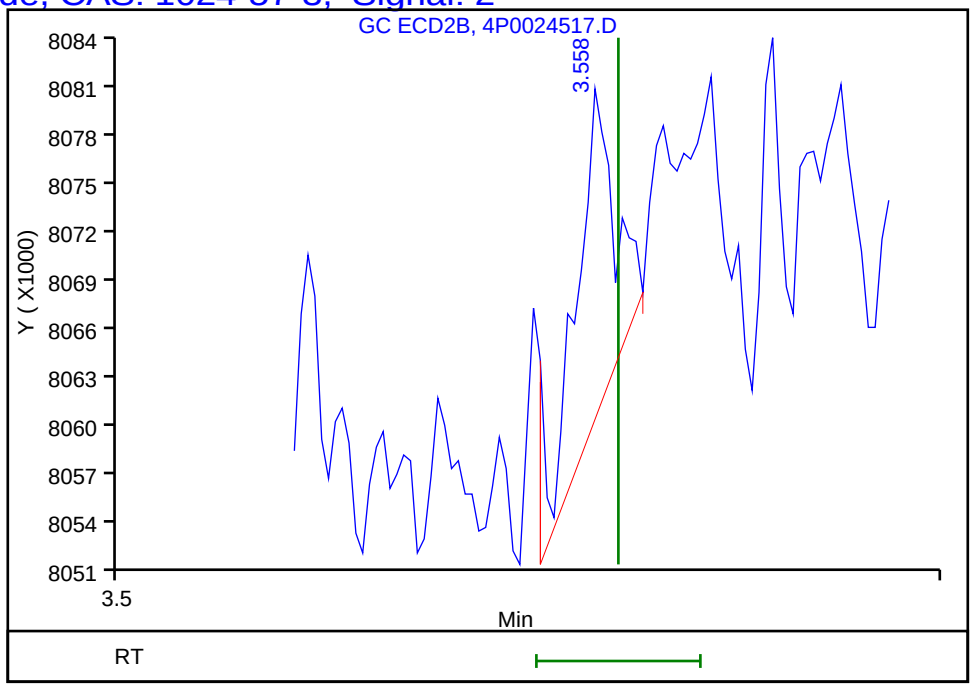
RT: 4.55
Response: 14296
Amount: 0.011964



Column: Detector GC ECD2B

12 Heptachlor epoxide, CAS: 1024-57-3, Signal: 2

RT: 3.56
Response: 6685
Amount: 0.003329



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

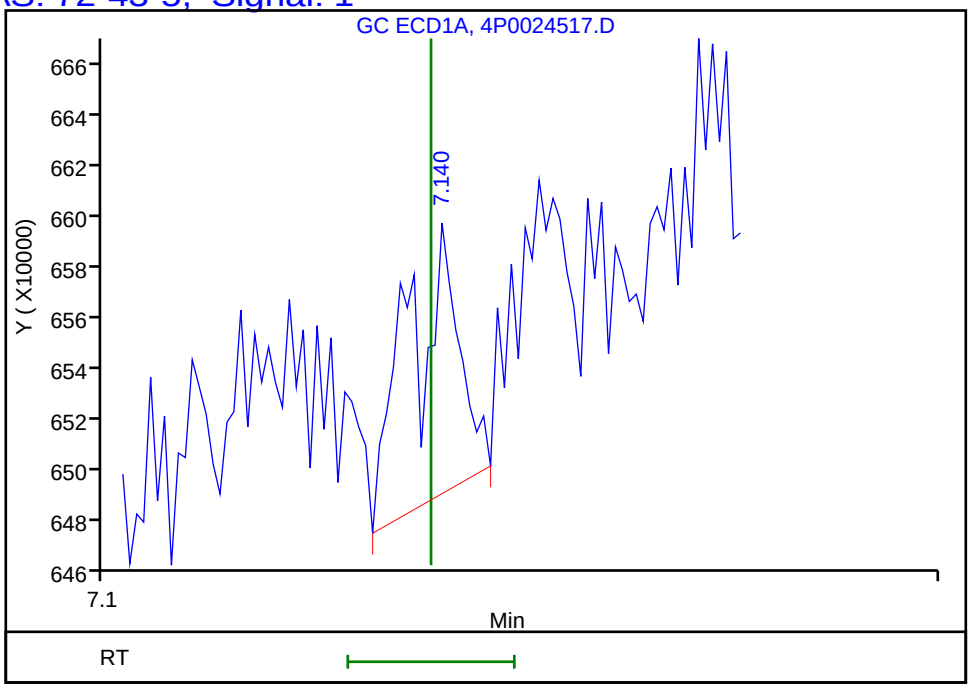
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024517.D
Injection Date: 27-Dec-2019 05:39:53 Instrument ID: CPESTGC4
Lims ID: MB 460-665106/1-A
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD

Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5, Signal: 1

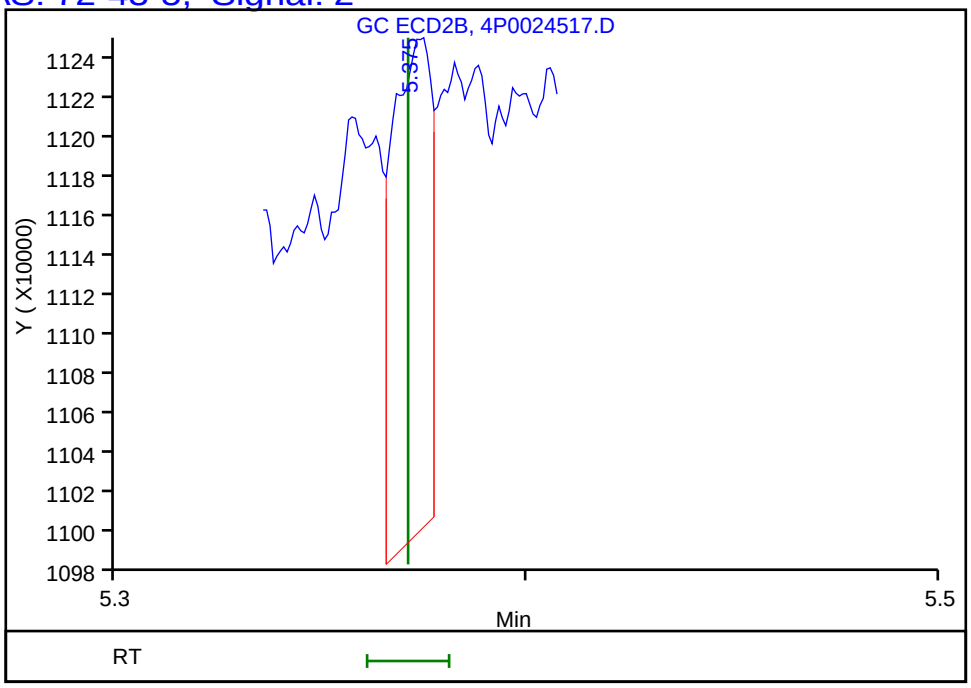
RT: 7.14
Response: 43665
Amount: 0.069069



Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5, Signal: 2

RT: 5.37
Response: 157205
Amount: 0.138028



Reviewer: manlangitf, 27-Dec-2019 06:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665106/2-A

Matrix: Water Lab File ID: 4P0024518.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 12/26/2019 09:10

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 05:55

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	*4,4'-DDD*	*0.702*		*0.020*	*0.0060*
72-55-9	*4,4'-DDE*	*0.703*		*0.020*	*0.0020*
50-29-3	*4,4'-DDT*	*0.694*		*0.020*	*0.0040*
309-00-2	*Aldrin*	*0.736*		*0.020*	*0.0030*
319-84-6	*alpha-BHC*	*0.729*		*0.020*	*0.0070*
319-85-7	*beta-BHC*	*0.728*		*0.020*	*0.0040*
319-86-8	*delta-BHC*	*0.704*		*0.020*	*0.0050*
60-57-1	*Dieldrin*	*0.697*		*0.020*	*0.0030*
959-98-8	*Endosulfan I*	*0.720*		*0.020*	*0.0020*
33213-65-9	*Endosulfan II*	*0.711*		*0.020*	*0.0040*
1031-07-8	*Endosulfan sulfate*	*0.764*		*0.020*	*0.0060*
72-20-8	*Endrin*	*0.741*		*0.020*	*0.0040*
7421-93-4	*Endrin aldehyde*	*0.724*		*0.020*	*0.0080*
53494-70-5	*Endrin ketone*	*0.748*		*0.020*	*0.0080*
58-89-9	*gamma-BHC (Lindane)*	*0.699*		*0.020*	*0.012*
76-44-8	*Heptachlor*	*0.750*		*0.020*	*0.0030*
1024-57-3	*Heptachlor epoxide*	*0.725*		*0.020*	*0.0050*
72-43-5	*Methoxychlor*	*0.776*		*0.020*	*0.0040*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		10-150
877-09-8	Tetrachloro-m-xylene	70		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Lims ID: LCS 460-665106/2-A
Client ID:
Sample Type: LCS
Inject. Date: 27-Dec-2019 05:55:20 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-011
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:20:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.685	1.679	0.006	90999816	100.0	100.0	
2	1.513	1.507	0.006	174610797	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.238	2.232	0.006	72657663	100.0	70.3	
2	1.879	1.873	0.006	127809668	100.0	72.4	
						RPD = 2.86	
15 alpha-BHC							
1	2.707	2.700	0.007	289654509	200.0	182.3	
2	2.197	2.191	0.006	505407769	200.0	193.8	
						RPD = 6.10	
2 gamma-BHC (Lindane)							
1	3.029	3.022	0.007	261200265	200.0	174.7	
2	2.400	2.393	0.007	475249047	200.0	196.6	
						RPD = 11.80	
6 beta-BHC							
1	3.092	3.085	0.007	116606003	200.0	182.1	
2	2.451	2.444	0.007	209417239	200.0	196.5	
						RPD = 7.62	
32 delta-BHC							
1	3.411	3.403	0.008	251493716	200.0	175.9	
2	2.581	2.574	0.007	463490136	200.0	195.7	
						RPD = 10.68	
18 Heptachlor							a
1	3.505	3.495	0.010	287385571	200.0	187.5	a
2	2.740	2.733	0.007	498645717	200.0	203.6	a
						RPD = 8.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.893	3.885	0.008	268068841	200.0	184.0	
2	2.988	2.980	0.008	476402876	200.0	214.7	
						RPD = 15.39	
12 Heptachlor epoxide							
1	4.560	4.551	0.009	243858902	200.0	181.3	
2	3.570	3.561	0.009	456528371	200.0	217.5	
						RPD = 18.18	
9 trans-Chlordane							
1	4.784	4.777	0.007	246410663	200.0	177.7	
2	3.707	3.697	0.010	476387100	200.0	223.4	
						RPD = 22.79	
23 cis-Chlordane							
1	4.939	4.932	0.007	236242602	200.0	178.5	
2	3.851	3.842	0.009	452402832	200.0	221.3	
						RPD = 21.41	
7 Endosulfan I							
1	5.001	4.997	0.004	226204774	200.0	180.0	
2	4.000	3.992	0.008	436154354	200.0	225.3	
						RPD = 22.36	
25 4,4'-DDE							
1	5.098	5.091	0.007	241289763	200.0	175.7	
2	3.932	3.923	0.009	417415781	200.0	215.1	
						RPD = 20.12	
30 Dieldrin							
1	5.259	5.252	0.007	260379899	200.0	174.2	
2	4.254	4.246	0.008	468512975	200.0	221.4	
						RPD = 23.86	
20 Endrin							a
1	5.543	5.535	0.008	258310499	200.0	185.3	a
2	4.525	4.515	0.010	445957512	200.0	223.9	a
						RPD = 18.85	
16 4,4'-DDD							
1	5.659	5.655	0.004	212882790	200.0	175.6	
2	4.612	4.603	0.009	341471644	200.0	206.5	
						RPD = 16.21	
11 Endosulfan II							
1	5.765	5.759	0.006	225592602	200.0	177.7	
2	4.778	4.771	0.007	382316716	200.0	198.5	
						RPD = 11.03	
21 4,4'-DDT							
1	6.033	6.026	0.007	234968924	200.0	173.4	
2	4.912	4.904	0.008	406741688	200.0	207.6	
						RPD = 17.94	
5 Endrin aldehyde							
1	6.183	6.177	0.006	187697300	200.0	181.1	
2	5.180	5.174	0.006	354689538	200.0	201.7	
						RPD = 10.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.593	6.588	0.005	238912033	200.0	190.9	
2	5.574	5.568	0.006	490325664	200.0	224.8	
						RPD = 16.29	
10 Methoxychlor							a
1	7.149	7.139	0.010	138149160	200.0	194.1	a
2	5.376	5.371	0.005	224603679	200.0	188.7	a
						RPD = 2.82	
34 Mirex							
1	7.316	7.308	0.008	175507701	200.0	169.3	
2	5.456	5.451	0.005	329352801	200.0	191.7	
						RPD = 12.41	
13 Endrin ketone							
1	7.384	7.377	0.007	269380397	200.0	187.0	
2	5.859	5.854	0.005	517770629	200.0	212.5	
						RPD = 12.77	
$ 24 DCB Decachlorobiphenyl							
1	8.437	8.435	0.002	83343315	100.0	71.3	
2	7.386	7.381	0.005	201519120	100.0	84.5	
						RPD = 16.98	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:14:46 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D

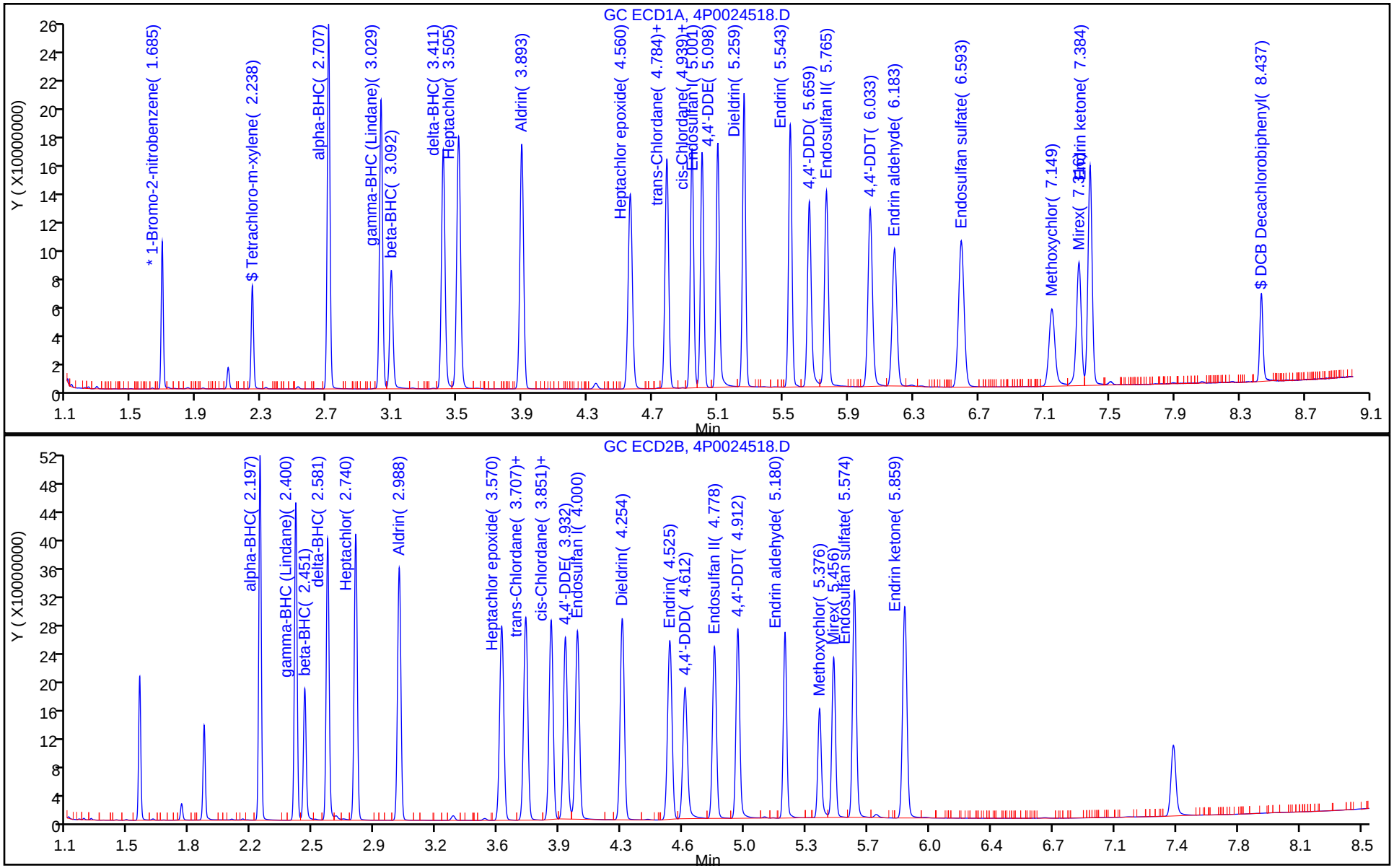
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4 Operator ID:

Lims ID: LCS 460-665106/2-A Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

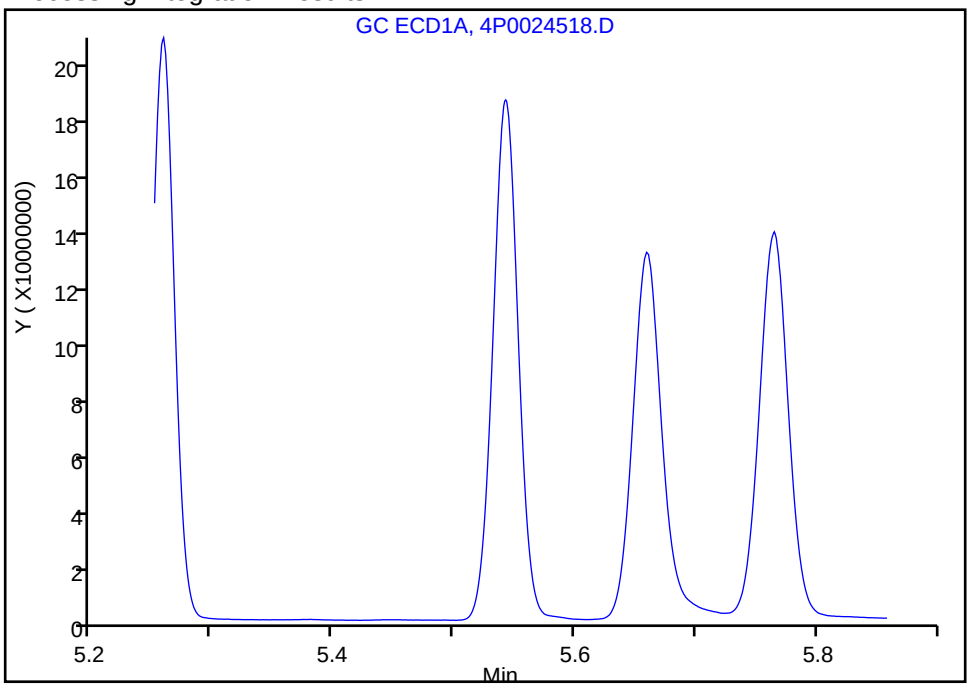
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4
Lims ID: LCS 460-665106/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

20 Endrin, CAS: 72-20-8

Signal: 1

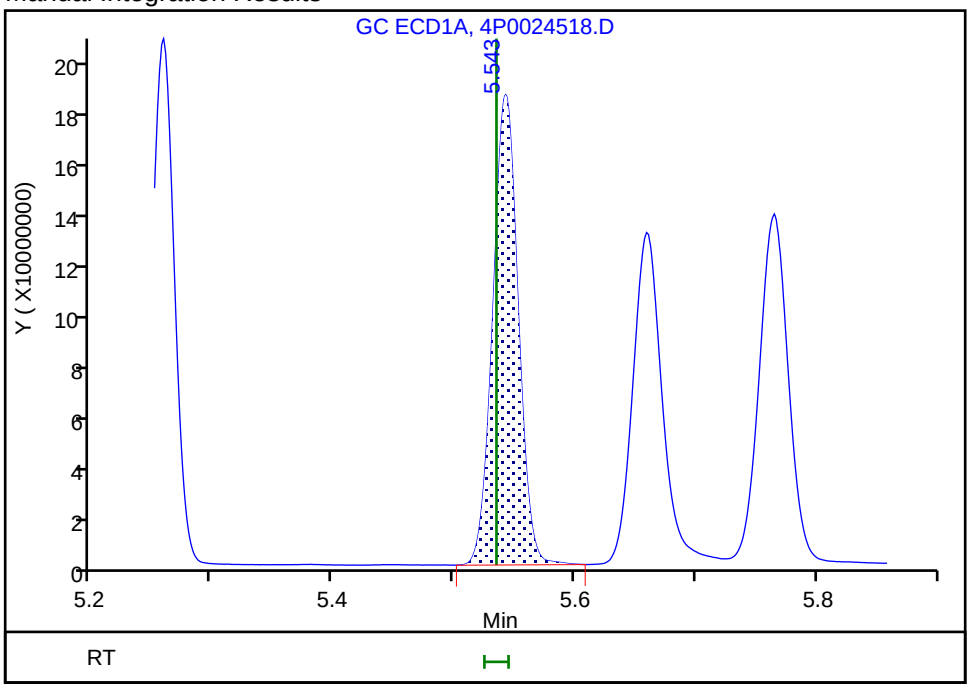
Not Detected
Expected RT: 5.53

Processing Integration Results



Manual Integration Results

RT: 5.54
Area: 258310499
Amount: 185.3485
Amount Units: ug/l



Reviewer: manlangitf, 27-Dec-2019 06:20:35
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

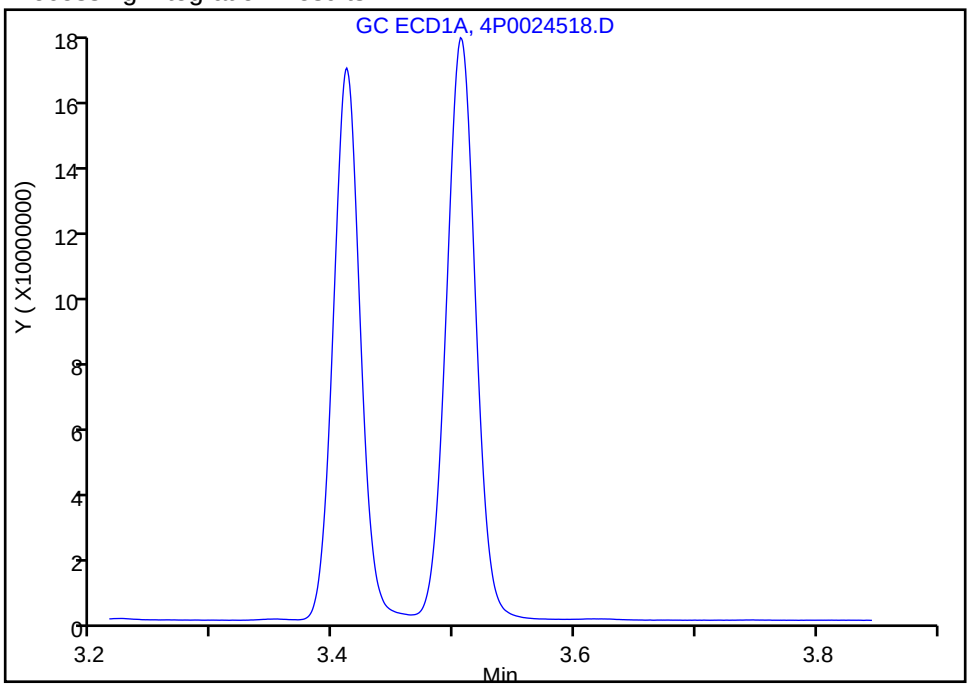
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4
Lims ID: LCS 460-665106/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

18 Heptachlor, CAS: 76-44-8

Signal: 1

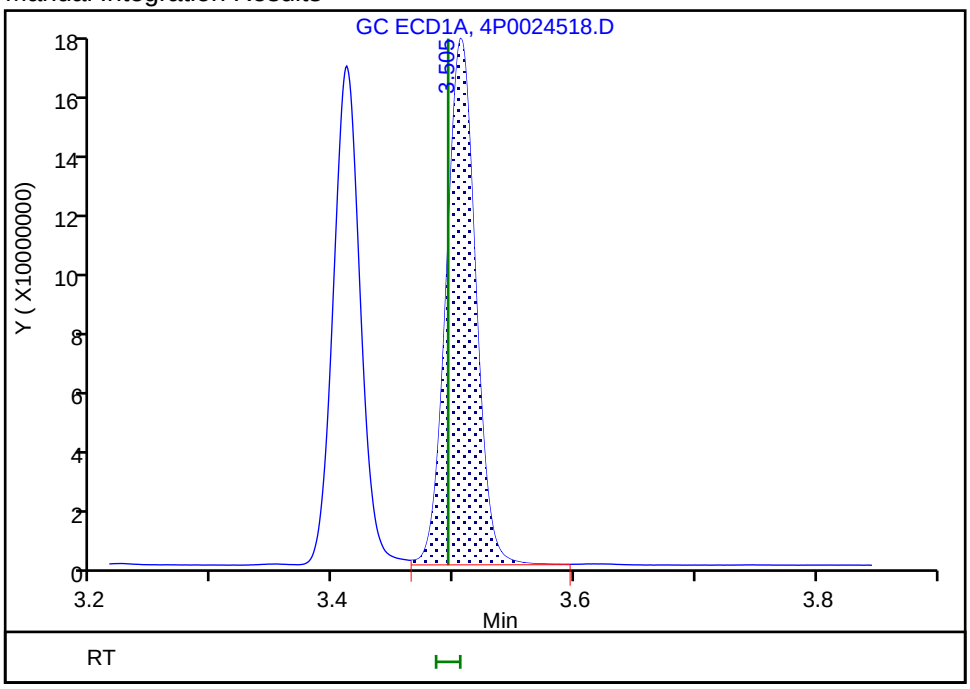
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.51
Area: 287385571
Amount: 187.5329
Amount Units: ug/l



Reviewer: manlangitf, 27-Dec-2019 06:20:28
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

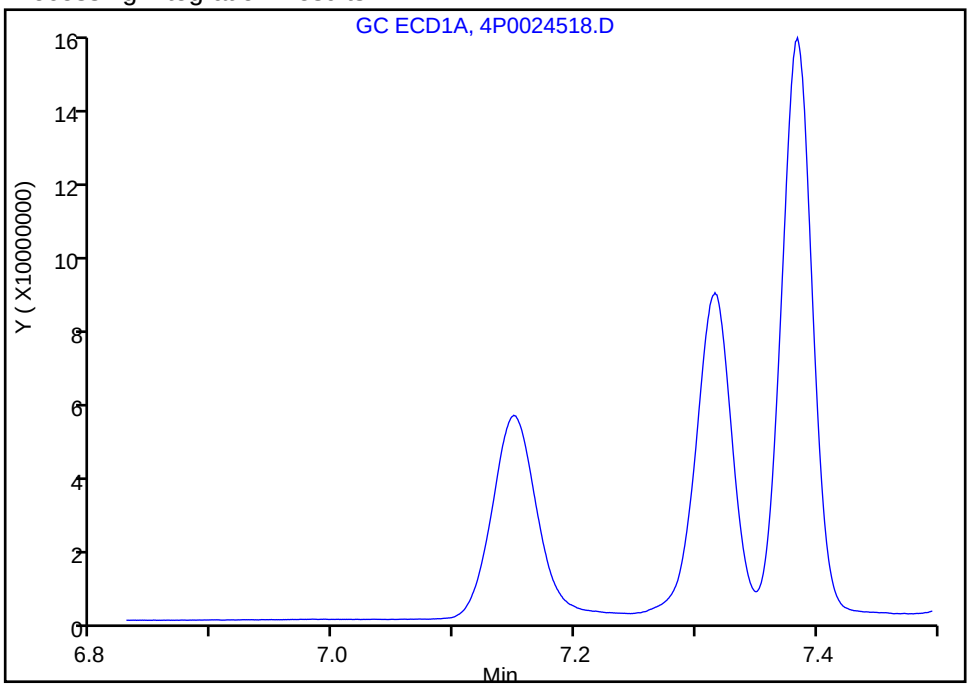
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4
Lims ID: LCS 460-665106/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD1A

10 Methoxychlor, CAS: 72-43-5

Signal: 1

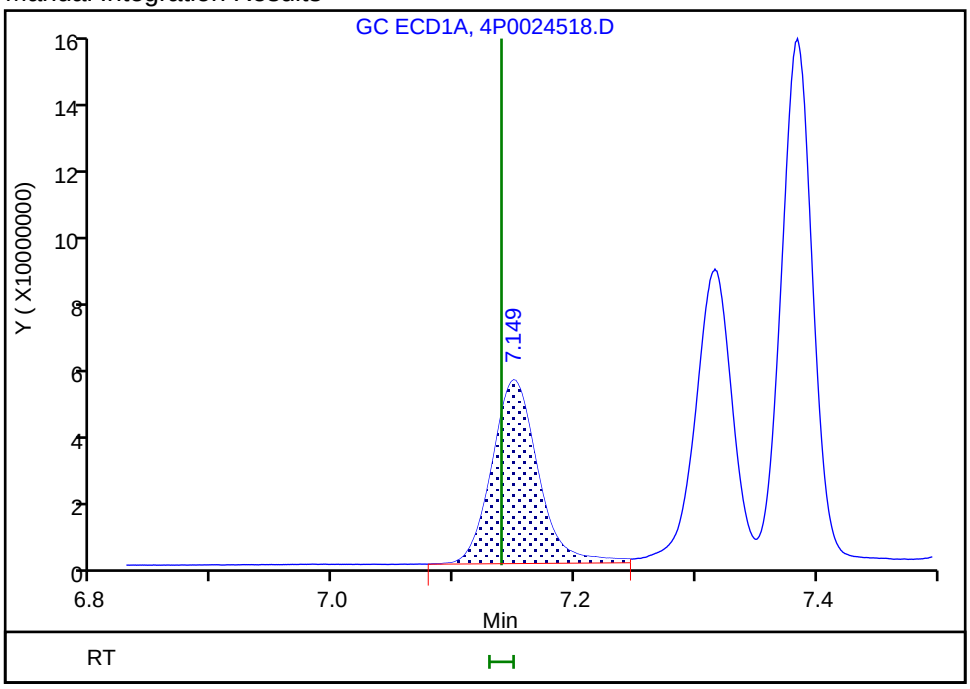
Not Detected
Expected RT: 7.14

Processing Integration Results



Manual Integration Results

RT: 7.15
Area: 138149160
Amount: 194.1148
Amount Units: ug/l



Reviewer: manlangitf, 27-Dec-2019 06:20:41
Audit Action: Assigned Compound ID Audit Reason:

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665106/2-A

Matrix: Water Lab File ID: 4P0024518.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 12/26/2019 09:10

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 05:55

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.826		0.020	0.0060
72-55-9	4,4'-DDE	0.860		0.020	0.0020
50-29-3	4,4'-DDT	0.831		0.020	0.0040
309-00-2	Aldrin	0.859		0.020	0.0030
319-84-6	alpha-BHC	0.775		0.020	0.0070
319-85-7	beta-BHC	0.786		0.020	0.0040
319-86-8	delta-BHC	0.783		0.020	0.0050
60-57-1	Dieldrin	0.885		0.020	0.0030
959-98-8	Endosulfan I	0.901		0.020	0.0020
33213-65-9	Endosulfan II	0.794		0.020	0.0040
1031-07-8	Endosulfan sulfate	0.899		0.020	0.0060
72-20-8	Endrin	0.896		0.020	0.0040
7421-93-4	Endrin aldehyde	0.807		0.020	0.0080
53494-70-5	Endrin ketone	0.850		0.020	0.0080
58-89-9	gamma-BHC (Lindane)	0.786		0.020	0.012
76-44-8	Heptachlor	0.814		0.020	0.0030
1024-57-3	Heptachlor epoxide	0.870		0.020	0.0050
72-43-5	Methoxychlor	0.755		0.020	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		10-150
877-09-8	Tetrachloro-m-xylene	72		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Lims ID: LCS 460-665106/2-A
Client ID:
Sample Type: LCS
Inject. Date: 27-Dec-2019 05:55:20 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-011
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

First Level Reviewer: manlangitf Date: 27-Dec-2019 06:20:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.685	1.679	0.006	90999816	100.0	100.0	
2	1.513	1.507	0.006	174610797	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.238	2.232	0.006	72657663	100.0	70.3	
2	1.879	1.873	0.006	127809668	100.0	72.4	
						RPD = 2.86	
15 alpha-BHC							
1	2.707	2.700	0.007	289654509	200.0	182.3	
2	2.197	2.191	0.006	505407769	200.0	193.8	
						RPD = 6.10	
2 gamma-BHC (Lindane)							
1	3.029	3.022	0.007	261200265	200.0	174.7	
2	2.400	2.393	0.007	475249047	200.0	196.6	
						RPD = 11.80	
6 beta-BHC							
1	3.092	3.085	0.007	116606003	200.0	182.1	
2	2.451	2.444	0.007	209417239	200.0	196.5	
						RPD = 7.62	
32 delta-BHC							
1	3.411	3.403	0.008	251493716	200.0	175.9	
2	2.581	2.574	0.007	463490136	200.0	195.7	
						RPD = 10.68	
18 Heptachlor							a
1	3.505	3.495	0.010	287385571	200.0	187.5	a
2	2.740	2.733	0.007	498645717	200.0	203.6	a
						RPD = 8.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.893	3.885	0.008	268068841	200.0	184.0	
2	2.988	2.980	0.008	476402876	200.0	214.7	
						RPD = 15.39	
12 Heptachlor epoxide							
1	4.560	4.551	0.009	243858902	200.0	181.3	
2	3.570	3.561	0.009	456528371	200.0	217.5	
						RPD = 18.18	
9 trans-Chlordane							
1	4.784	4.777	0.007	246410663	200.0	177.7	
2	3.707	3.697	0.010	476387100	200.0	223.4	
						RPD = 22.79	
23 cis-Chlordane							
1	4.939	4.932	0.007	236242602	200.0	178.5	
2	3.851	3.842	0.009	452402832	200.0	221.3	
						RPD = 21.41	
7 Endosulfan I							
1	5.001	4.997	0.004	226204774	200.0	180.0	
2	4.000	3.992	0.008	436154354	200.0	225.3	
						RPD = 22.36	
25 4,4'-DDE							
1	5.098	5.091	0.007	241289763	200.0	175.7	
2	3.932	3.923	0.009	417415781	200.0	215.1	
						RPD = 20.12	
30 Dieldrin							
1	5.259	5.252	0.007	260379899	200.0	174.2	
2	4.254	4.246	0.008	468512975	200.0	221.4	
						RPD = 23.86	
20 Endrin							a
1	5.543	5.535	0.008	258310499	200.0	185.3	a
2	4.525	4.515	0.010	445957512	200.0	223.9	a
						RPD = 18.85	
16 4,4'-DDD							
1	5.659	5.655	0.004	212882790	200.0	175.6	
2	4.612	4.603	0.009	341471644	200.0	206.5	
						RPD = 16.21	
11 Endosulfan II							
1	5.765	5.759	0.006	225592602	200.0	177.7	
2	4.778	4.771	0.007	382316716	200.0	198.5	
						RPD = 11.03	
21 4,4'-DDT							
1	6.033	6.026	0.007	234968924	200.0	173.4	
2	4.912	4.904	0.008	406741688	200.0	207.6	
						RPD = 17.94	
5 Endrin aldehyde							
1	6.183	6.177	0.006	187697300	200.0	181.1	
2	5.180	5.174	0.006	354689538	200.0	201.7	
						RPD = 10.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.593	6.588	0.005	238912033	200.0	190.9	
2	5.574	5.568	0.006	490325664	200.0	224.8	
						RPD = 16.29	
10 Methoxychlor							a
1	7.149	7.139	0.010	138149160	200.0	194.1	a
2	5.376	5.371	0.005	224603679	200.0	188.7	a
						RPD = 2.82	
34 Mirex							
1	7.316	7.308	0.008	175507701	200.0	169.3	
2	5.456	5.451	0.005	329352801	200.0	191.7	
						RPD = 12.41	
13 Endrin ketone							
1	7.384	7.377	0.007	269380397	200.0	187.0	
2	5.859	5.854	0.005	517770629	200.0	212.5	
						RPD = 12.77	
$ 24 DCB Decachlorobiphenyl							
1	8.437	8.435	0.002	83343315	100.0	71.3	
2	7.386	7.381	0.005	201519120	100.0	84.5	
						RPD = 16.98	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:14:47 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D

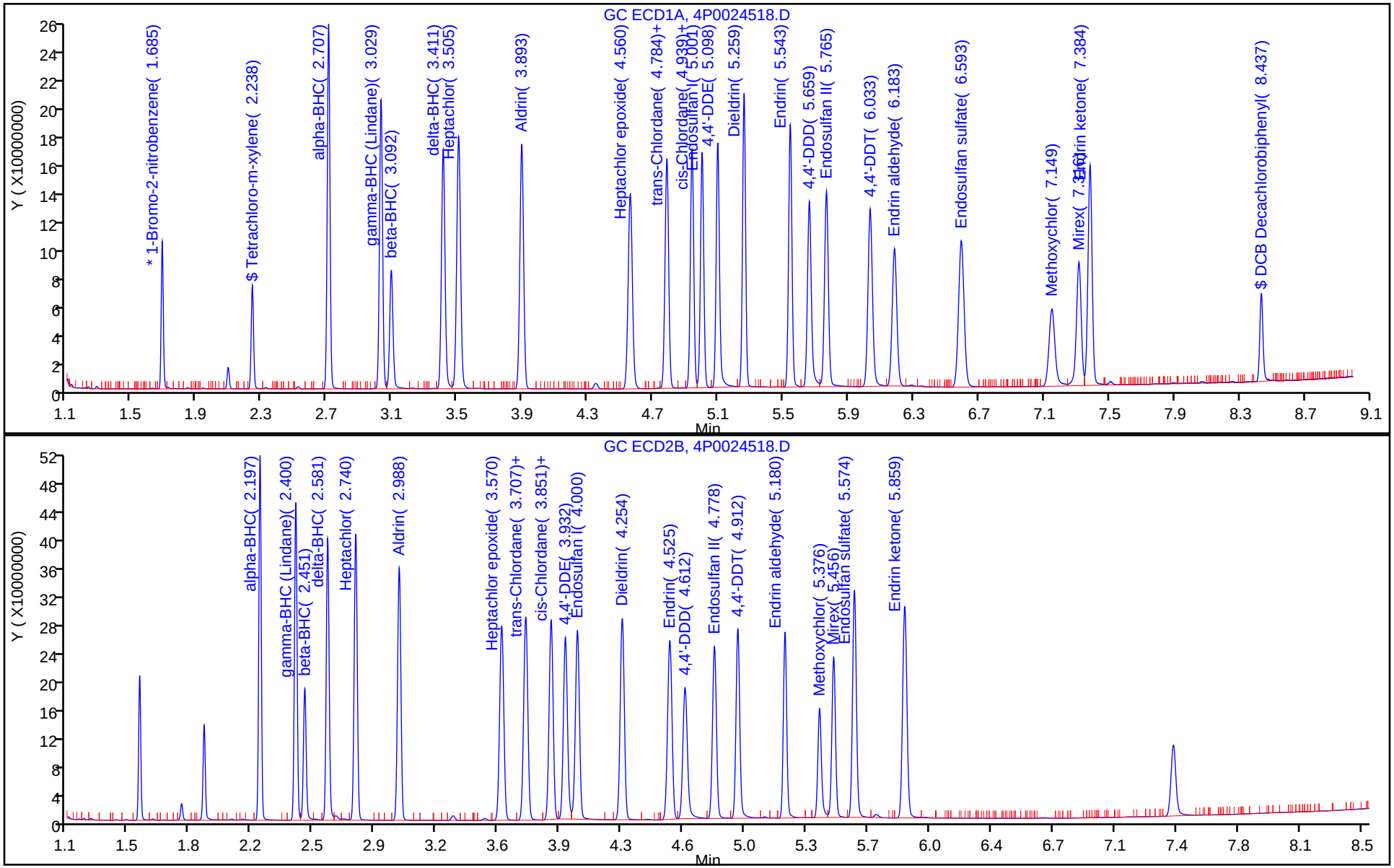
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4 Operator ID:

Lims ID: LCS 460-665106/2-A Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

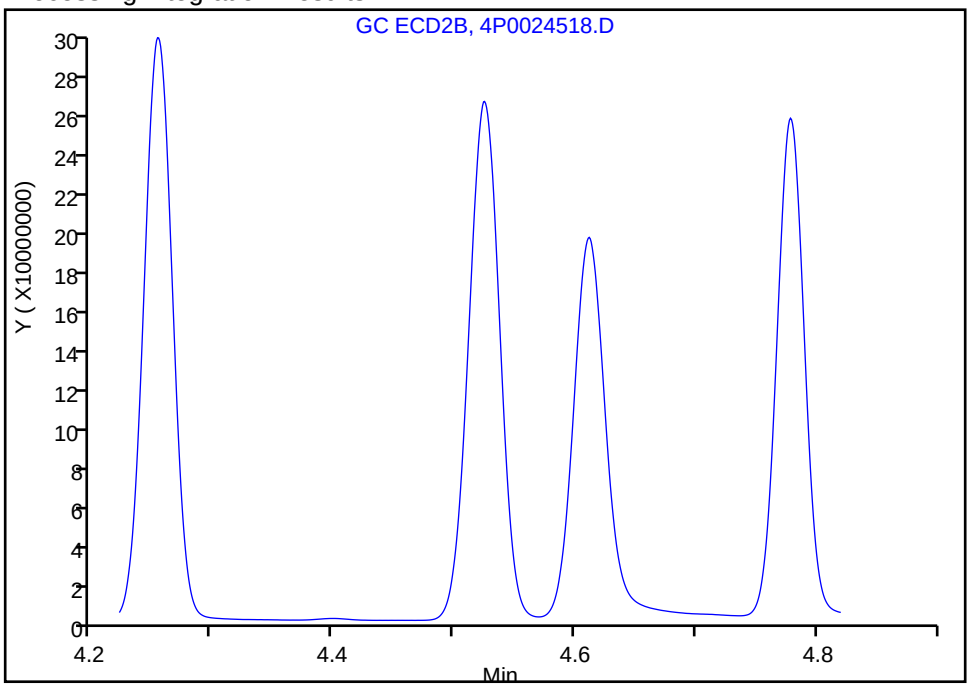
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4
Lims ID: LCS 460-665106/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

20 Endrin, CAS: 72-20-8

Signal: 2

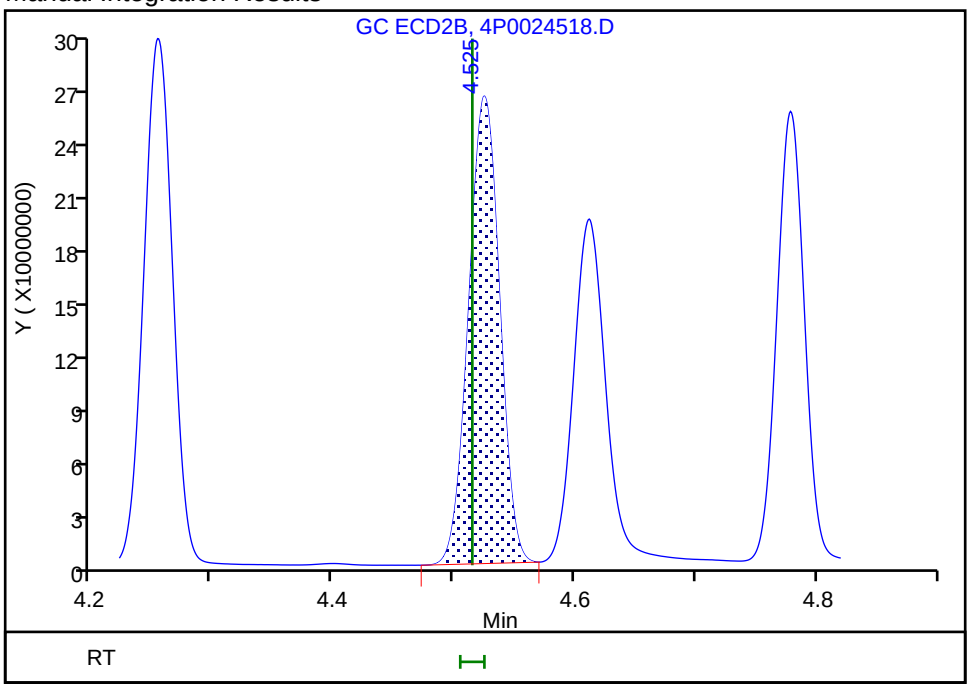
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.53
Area: 445957512
Amount: 223.9131
Amount Units: ug/l



Reviewer: manlangitf, 27-Dec-2019 06:20:32
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

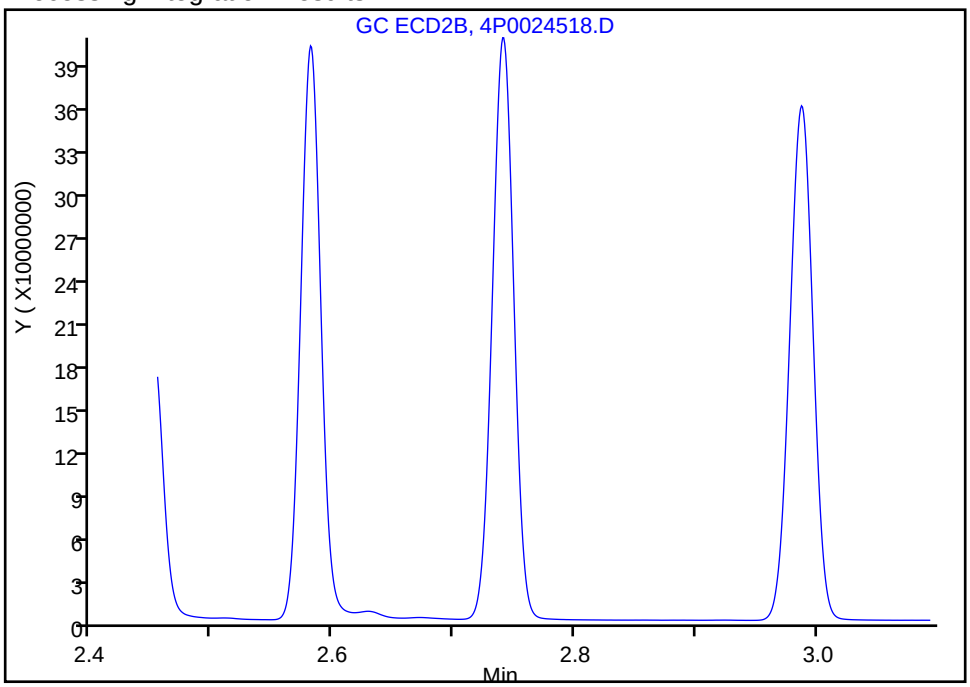
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4
Lims ID: LCS 460-665106/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

18 Heptachlor, CAS: 76-44-8

Signal: 2

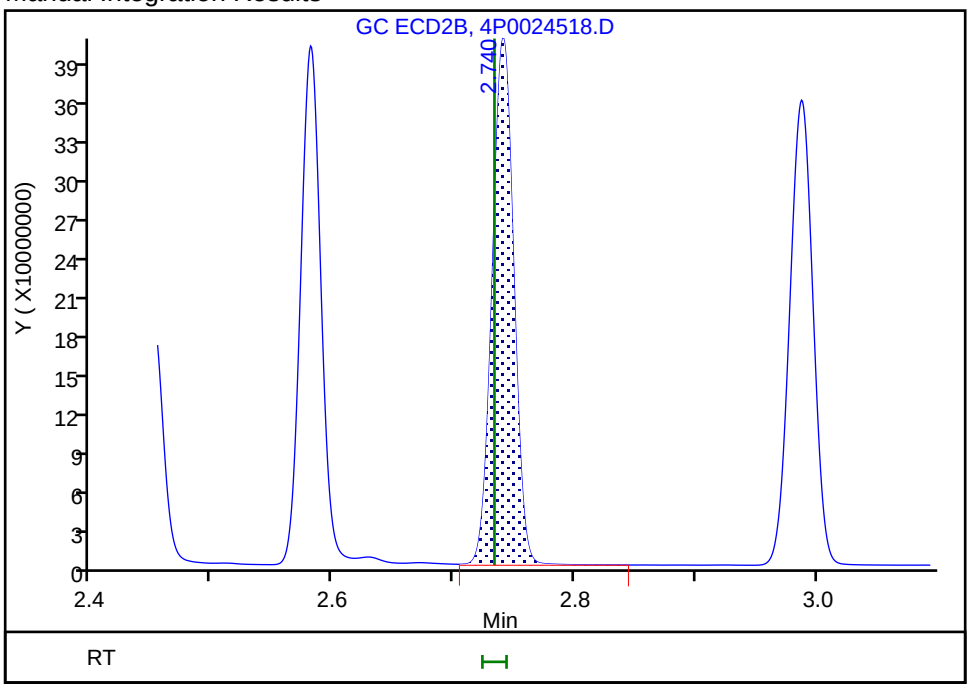
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 498645717
Amount: 203.5825
Amount Units: ug/l



Reviewer: manlangitf, 27-Dec-2019 06:20:25
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

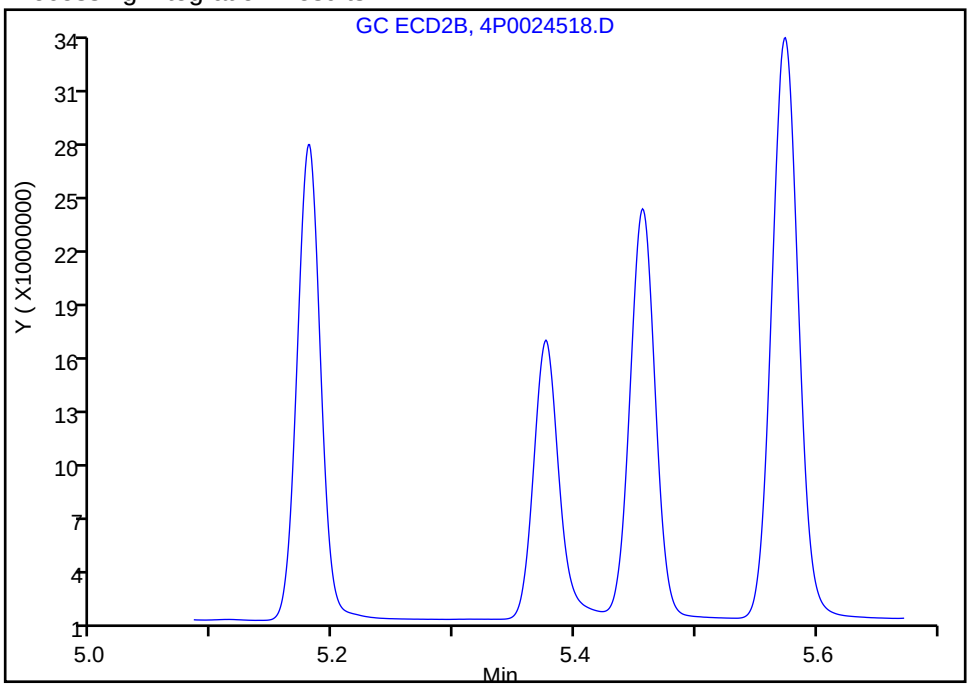
Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024518.D
Injection Date: 27-Dec-2019 05:55:20 Instrument ID: CPESTGC4
Lims ID: LCS 460-665106/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD
Column: Detector GC ECD2B

10 Methoxychlor, CAS: 72-43-5

Signal: 2

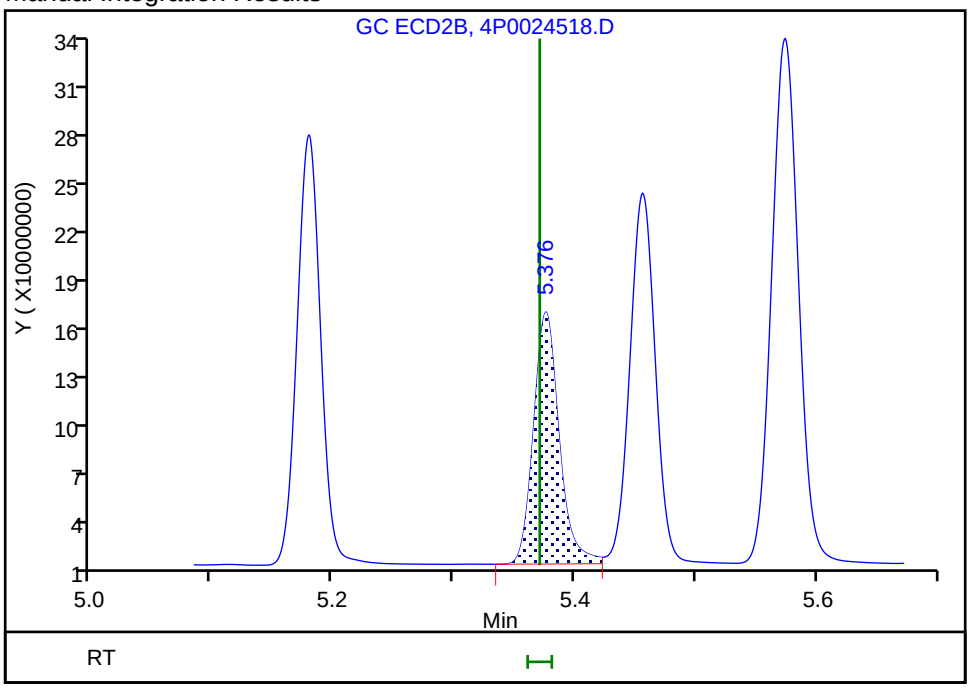
Not Detected
Expected RT: 5.37

Processing Integration Results



Manual Integration Results

RT: 5.38
Area: 224603679
Amount: 188.7256
Amount Units: ug/l



Reviewer: manlangitf, 27-Dec-2019 06:20:39
Audit Action: Assigned Compound ID Audit Reason:

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665106/3-A

Matrix: Water Lab File ID: 4P0024519.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 12/26/2019 09:10

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 06:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	*4,4'-DDD*	*0.561*		*0.020*	*0.0060*
72-55-9	*4,4'-DDE*	*0.559*		*0.020*	*0.0020*
50-29-3	*4,4'-DDT*	*0.553*		*0.020*	*0.0040*
309-00-2	*Aldrin*	*0.586*		*0.020*	*0.0030*
319-84-6	*alpha-BHC*	*0.573*		*0.020*	*0.0070*
319-85-7	*beta-BHC*	*0.594*		*0.020*	*0.0040*
319-86-8	*delta-BHC*	*0.570*		*0.020*	*0.0050*
60-57-1	*Dieldrin*	*0.559*		*0.020*	*0.0030*
959-98-8	*Endosulfan I*	*0.578*		*0.020*	*0.0020*
33213-65-9	*Endosulfan II*	*0.568*		*0.020*	*0.0040*
1031-07-8	*Endosulfan sulfate*	*0.607*		*0.020*	*0.0060*
72-20-8	*Endrin*	*0.594*		*0.020*	*0.0040*
7421-93-4	*Endrin aldehyde*	*0.582*		*0.020*	*0.0080*
53494-70-5	*Endrin ketone*	*0.594*		*0.020*	*0.0080*
58-89-9	*gamma-BHC (Lindane)*	*0.556*		*0.020*	*0.012*
76-44-8	*Heptachlor*	*0.601*		*0.020*	*0.0030*
1024-57-3	*Heptachlor epoxide*	*0.581*		*0.020*	*0.0050*
72-43-5	*Methoxychlor*	*0.614*		*0.020*	*0.0040*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	62		10-150
877-09-8	Tetrachloro-m-xylene	60		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024519.D
Lims ID: LCSD 460-665106/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 27-Dec-2019 06:10:47 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-012
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.684	1.679	0.005	90323899	100.0	100.0	
2	1.512	1.507	0.005	191001829	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.238	2.232	0.006	61191230	100.0	59.7	
2	1.879	1.873	0.006	119324940	100.0	61.8	
						RPD = 3.45	
15 alpha-BHC							
1	2.707	2.700	0.007	226013883	200.0	143.3	
2	2.197	2.191	0.006	440978706	200.0	154.6	
						RPD = 7.55	
2 gamma-BHC (Lindane)							
1	3.028	3.022	0.006	206486489	200.0	139.1	
2	2.399	2.393	0.006	407053441	200.0	153.9	
						RPD = 10.10	
6 beta-BHC							
1	3.092	3.085	0.007	94367609	200.0	148.5	
2	2.451	2.444	0.007	177810594	200.0	152.6	
						RPD = 2.70	
32 delta-BHC							
1	3.410	3.403	0.007	202239905	200.0	142.5	
2	2.581	2.574	0.007	390747355	200.0	150.9	
						RPD = 5.70	
18 Heptachlor							
1	3.505	3.495	0.010	228537270	200.0	150.2	
2	2.740	2.733	0.007	412608227	200.0	154.0	
						RPD = 2.47	
8 Aldrin							
1	3.892	3.885	0.007	211791515	200.0	146.5	
2	2.987	2.980	0.007	389769530	200.0	160.6	
						RPD = 9.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	4.559	4.551	0.008	193810177	200.0	145.2	
2	3.569	3.561	0.008	375329876	200.0	163.5	
						RPD = 11.89	
9 trans-Chlordane							
1	4.783	4.777	0.006	195305021	200.0	141.9	
2	3.705	3.697	0.008	387877353	200.0	166.3	
						RPD = 15.82	
23 cis-Chlordane							
1	4.939	4.932	0.007	187034241	200.0	142.4	
2	3.849	3.842	0.007	366556060	200.0	163.9	
						RPD = 14.06	
7 Endosulfan I							
1	5.000	4.997	0.003	180169865	200.0	144.4	
2	3.999	3.992	0.007	354198413	200.0	167.2	
						RPD = 14.65	
25 4,4'-DDE							
1	5.097	5.091	0.006	190408786	200.0	139.7	
2	3.931	3.923	0.008	333636517	200.0	157.2	
						RPD = 11.74	
30 Dieldrin							
1	5.258	5.252	0.006	207387114	200.0	139.8	
2	4.254	4.246	0.008	377032888	200.0	162.8	
						RPD = 15.26	
20 Endrin							
1	5.542	5.535	0.007	205485244	200.0	148.5	
2	4.523	4.515	0.008	356348605	200.0	163.6	
						RPD = 9.62	
16 4,4'-DDD							
1	5.659	5.655	0.004	168677585	200.0	140.1	
2	4.611	4.603	0.008	267846088	200.0	148.1	
						RPD = 5.52	
11 Endosulfan II							
1	5.764	5.759	0.005	178854689	200.0	142.0	
2	4.778	4.771	0.007	303062507	200.0	143.8	
						RPD = 1.31	
21 4,4'-DDT							
1	6.032	6.026	0.006	185875162	200.0	138.2	
2	4.911	4.904	0.007	319641408	200.0	149.2	
						RPD = 7.61	
5 Endrin aldehyde							
1	6.182	6.177	0.005	149758952	200.0	145.6	
2	5.179	5.174	0.005	279833442	200.0	145.5	
						RPD = 0.06	
3 Endosulfan sulfate							
1	6.593	6.588	0.005	188501617	200.0	151.8	
2	5.573	5.568	0.005	379337627	200.0	159.0	
						RPD = 4.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Methoxychlor							
1	7.148	7.139	0.009	108467711	200.0	153.5	
2	5.376	5.371	0.005	174688452	200.0	134.2	
						RPD = 13.46	
34 Mirex							
1	7.316	7.308	0.008	139681197	200.0	135.7	
2	5.456	5.451	0.005	258075213	200.0	137.3	
						RPD = 1.15	
13 Endrin ketone							
1	7.384	7.377	0.007	212383682	200.0	148.6	
2	5.860	5.854	0.006	398838762	200.0	149.7	
						RPD = 0.74	
$ 24 DCB Decachlorobiphenyl							
1	8.436	8.435	0.001	71839491	100.0	61.9	
2	7.386	7.381	0.005	172427434	100.0	66.1	
						RPD = 6.56	

Reagents:

SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:14:48 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024519.D

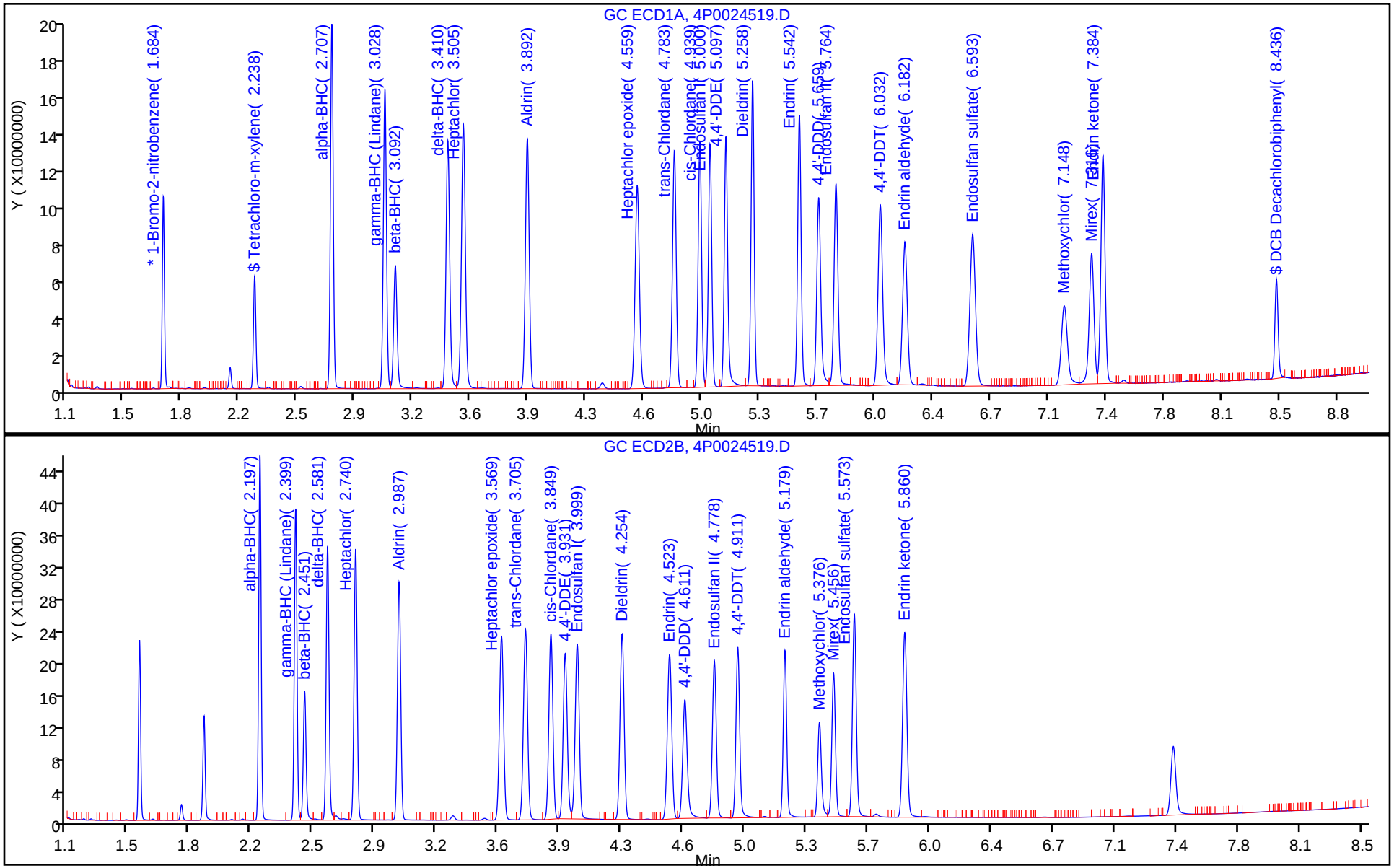
Injection Date: 27-Dec-2019 06:10:47 Instrument ID: CPESTGC4 Operator ID:

Lims ID: LCSD 460-665106/3-A Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 12

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665106/3-A

Matrix: Water Lab File ID: 4P0024519.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 12/26/2019 09:10

Sample wt/vol: 250(mL) Date Analyzed: 12/27/2019 06:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665293 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.592		0.020	0.0060
72-55-9	4,4'-DDE	0.629		0.020	0.0020
50-29-3	4,4'-DDT	0.597		0.020	0.0040
309-00-2	Aldrin	0.642		0.020	0.0030
319-84-6	alpha-BHC	0.618		0.020	0.0070
319-85-7	beta-BHC	0.610		0.020	0.0040
319-86-8	delta-BHC	0.603		0.020	0.0050
60-57-1	Dieldrin	0.651		0.020	0.0030
959-98-8	Endosulfan I	0.669		0.020	0.0020
33213-65-9	Endosulfan II	0.575		0.020	0.0040
1031-07-8	Endosulfan sulfate	0.636		0.020	0.0060
72-20-8	Endrin	0.654		0.020	0.0040
7421-93-4	Endrin aldehyde	0.582		0.020	0.0080
53494-70-5	Endrin ketone	0.599		0.020	0.0080
58-89-9	gamma-BHC (Lindane)	0.616		0.020	0.012
76-44-8	Heptachlor	0.616		0.020	0.0030
1024-57-3	Heptachlor epoxide	0.654		0.020	0.0050
72-43-5	Methoxychlor	0.537		0.020	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	66		10-150
877-09-8	Tetrachloro-m-xylene	62		12-136

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024519.D
Lims ID: LCSD 460-665106/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 27-Dec-2019 06:10:47 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103497-012
Operator ID: Instrument ID: CPESTGC4

Method: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\GC-4 8081 ISTD.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Dec-2019 04:14:31 Calib Date: 26-Aug-2019 18:04:51
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC4\20190826-96660.b\4P0020639.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0315

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.684	1.679	0.005	90323899	100.0	100.0	
2	1.512	1.507	0.005	191001829	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.238	2.232	0.006	61191230	100.0	59.7	
2	1.879	1.873	0.006	119324940	100.0	61.8	
						RPD = 3.45	
15 alpha-BHC							
1	2.707	2.700	0.007	226013883	200.0	143.3	
2	2.197	2.191	0.006	440978706	200.0	154.6	
						RPD = 7.55	
2 gamma-BHC (Lindane)							
1	3.028	3.022	0.006	206486489	200.0	139.1	
2	2.399	2.393	0.006	407053441	200.0	153.9	
						RPD = 10.10	
6 beta-BHC							
1	3.092	3.085	0.007	94367609	200.0	148.5	
2	2.451	2.444	0.007	177810594	200.0	152.6	
						RPD = 2.70	
32 delta-BHC							
1	3.410	3.403	0.007	202239905	200.0	142.5	
2	2.581	2.574	0.007	390747355	200.0	150.9	
						RPD = 5.70	
18 Heptachlor							
1	3.505	3.495	0.010	228537270	200.0	150.2	
2	2.740	2.733	0.007	412608227	200.0	154.0	
						RPD = 2.47	
8 Aldrin							
1	3.892	3.885	0.007	211791515	200.0	146.5	
2	2.987	2.980	0.007	389769530	200.0	160.6	
						RPD = 9.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	4.559	4.551	0.008	193810177	200.0	145.2	
2	3.569	3.561	0.008	375329876	200.0	163.5	
						RPD = 11.89	
9 trans-Chlordane							
1	4.783	4.777	0.006	195305021	200.0	141.9	
2	3.705	3.697	0.008	387877353	200.0	166.3	
						RPD = 15.82	
23 cis-Chlordane							
1	4.939	4.932	0.007	187034241	200.0	142.4	
2	3.849	3.842	0.007	366556060	200.0	163.9	
						RPD = 14.06	
7 Endosulfan I							
1	5.000	4.997	0.003	180169865	200.0	144.4	
2	3.999	3.992	0.007	354198413	200.0	167.2	
						RPD = 14.65	
25 4,4'-DDE							
1	5.097	5.091	0.006	190408786	200.0	139.7	
2	3.931	3.923	0.008	333636517	200.0	157.2	
						RPD = 11.74	
30 Dieldrin							
1	5.258	5.252	0.006	207387114	200.0	139.8	
2	4.254	4.246	0.008	377032888	200.0	162.8	
						RPD = 15.26	
20 Endrin							
1	5.542	5.535	0.007	205485244	200.0	148.5	
2	4.523	4.515	0.008	356348605	200.0	163.6	
						RPD = 9.62	
16 4,4'-DDD							
1	5.659	5.655	0.004	168677585	200.0	140.1	
2	4.611	4.603	0.008	267846088	200.0	148.1	
						RPD = 5.52	
11 Endosulfan II							
1	5.764	5.759	0.005	178854689	200.0	142.0	
2	4.778	4.771	0.007	303062507	200.0	143.8	
						RPD = 1.31	
21 4,4'-DDT							
1	6.032	6.026	0.006	185875162	200.0	138.2	
2	4.911	4.904	0.007	319641408	200.0	149.2	
						RPD = 7.61	
5 Endrin aldehyde							
1	6.182	6.177	0.005	149758952	200.0	145.6	
2	5.179	5.174	0.005	279833442	200.0	145.5	
						RPD = 0.06	
3 Endosulfan sulfate							
1	6.593	6.588	0.005	188501617	200.0	151.8	
2	5.573	5.568	0.005	379337627	200.0	159.0	
						RPD = 4.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Methoxychlor							
1	7.148	7.139	0.009	108467711	200.0	153.5	
2	5.376	5.371	0.005	174688452	200.0	134.2	
						RPD = 13.46	
34 Mirex							
1	7.316	7.308	0.008	139681197	200.0	135.7	
2	5.456	5.451	0.005	258075213	200.0	137.3	
						RPD = 1.15	
13 Endrin ketone							
1	7.384	7.377	0.007	212383682	200.0	148.6	
2	5.860	5.854	0.006	398838762	200.0	149.7	
						RPD = 0.74	
$ 24 DCB Decachlorobiphenyl							
1	8.436	8.435	0.001	71839491	100.0	61.9	
2	7.386	7.381	0.005	172427434	100.0	66.1	
						RPD = 6.56	

Reagents:

SGPESTISTD_00012 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Dec-2019 04:14:48 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC4\20191227-103497.b\4P0024519.D

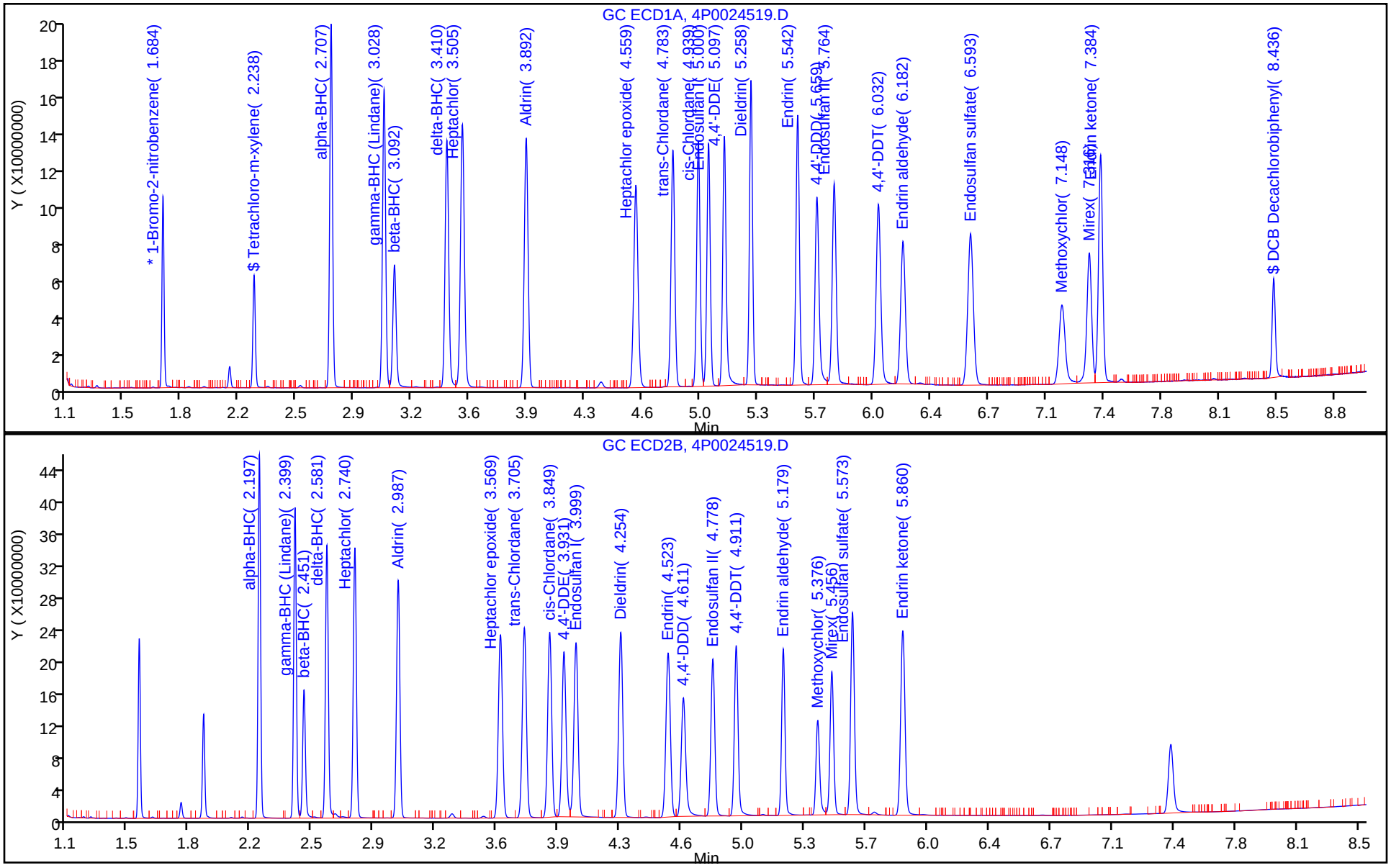
Injection Date: 27-Dec-2019 06:10:47 Instrument ID: CPESTGC4 Operator ID:

Lims ID: LCSD 460-665106/3-A Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 12

Method: GC-4 8081 ISTD Limit Group: GC 8081B PEST ISTD



PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CPESTGC4 Start Date: 08/26/2019 13:09

Analysis Batch Number: 635023 End Date: 08/26/2019 18:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
SGPIBLK		08/26/2019 13:09	1		CLP-2 0.53(mm)
SGPIBLK		08/26/2019 13:09	1		Rtx-CLP 0.53(mm)
PEM 460-635023/2		08/26/2019 13:24	1		CLP-2 0.53(mm)
PEM 460-635023/2		08/26/2019 13:24	1		Rtx-CLP 0.53(mm)
STD 460-635023/3 IC		08/26/2019 13:40	1	4P0020622.D	CLP-2 0.53(mm)
STD 460-635023/3 IC		08/26/2019 13:40	1	4P0020622.D	Rtx-CLP 0.53(mm)
STD 460-635023/4 IC		08/26/2019 13:55	1	4P0020623.D	CLP-2 0.53(mm)
STD 460-635023/4 IC		08/26/2019 13:55	1	4P0020623.D	Rtx-CLP 0.53(mm)
STD 460-635023/5 ICIS		08/26/2019 14:11	1	4P0020624.D	CLP-2 0.53(mm)
STD 460-635023/5 ICIS		08/26/2019 14:11	1	4P0020624.D	Rtx-CLP 0.53(mm)
STD 460-635023/6 IC		08/26/2019 14:26	1	4P0020625.D	CLP-2 0.53(mm)
STD 460-635023/6 IC		08/26/2019 14:26	1	4P0020625.D	Rtx-CLP 0.53(mm)
STD 460-635023/7 IC		08/26/2019 14:42	1	4P0020626.D	CLP-2 0.53(mm)
STD 460-635023/7 IC		08/26/2019 14:42	1	4P0020626.D	Rtx-CLP 0.53(mm)
IC 460-635023/8 ICIS		08/26/2019 14:57	1		CLP-2 0.53(mm)
IC 460-635023/8 ICIS		08/26/2019 14:57	1		Rtx-CLP 0.53(mm)
ICV 460-635023/9		08/26/2019 15:13	1		CLP-2 0.53(mm)
ICV 460-635023/9		08/26/2019 15:13	1		Rtx-CLP 0.53(mm)
IC 460-635023/10		08/26/2019 15:29	1	4P0020629.D	CLP-2 0.53(mm)
IC 460-635023/10		08/26/2019 15:29	1	4P0020629.D	Rtx-CLP 0.53(mm)
IC 460-635023/11		08/26/2019 15:44	1	4P0020630.D	CLP-2 0.53(mm)
IC 460-635023/11		08/26/2019 15:44	1	4P0020630.D	Rtx-CLP 0.53(mm)
IC 460-635023/12 ICIS		08/26/2019 16:00	1	4P0020631.D	CLP-2 0.53(mm)
IC 460-635023/12 ICIS		08/26/2019 16:00	1	4P0020631.D	Rtx-CLP 0.53(mm)
IC 460-635023/13		08/26/2019 16:16	1	4P0020632.D	CLP-2 0.53(mm)
IC 460-635023/13		08/26/2019 16:16	1	4P0020632.D	Rtx-CLP 0.53(mm)
IC 460-635023/14		08/26/2019 16:31	1	4P0020633.D	CLP-2 0.53(mm)
IC 460-635023/14		08/26/2019 16:31	1	4P0020633.D	Rtx-CLP 0.53(mm)
ICV 460-635023/15		08/26/2019 16:47	1		CLP-2 0.53(mm)
ICV 460-635023/15		08/26/2019 16:47	1		Rtx-CLP 0.53(mm)
IC 460-635023/16		08/26/2019 17:02	1	4P0020635.D	CLP-2 0.53(mm)
IC 460-635023/16		08/26/2019 17:02	1	4P0020635.D	Rtx-CLP 0.53(mm)
IC 460-635023/17		08/26/2019 17:18	1	4P0020636.D	CLP-2 0.53(mm)
IC 460-635023/17		08/26/2019 17:18	1	4P0020636.D	Rtx-CLP 0.53(mm)
IC 460-635023/18 ICIS		08/26/2019 17:34	1	4P0020637.D	CLP-2 0.53(mm)
IC 460-635023/18 ICIS		08/26/2019 17:34	1	4P0020637.D	Rtx-CLP 0.53(mm)
IC 460-635023/19		08/26/2019 17:49	1	4P0020638.D	CLP-2 0.53(mm)
IC 460-635023/19		08/26/2019 17:49	1	4P0020638.D	Rtx-CLP 0.53(mm)
IC 460-635023/20		08/26/2019 18:04	1	4P0020639.D	CLP-2 0.53(mm)
IC 460-635023/20		08/26/2019 18:04	1	4P0020639.D	Rtx-CLP 0.53(mm)
ICV 460-635023/21		08/26/2019 18:20	1		CLP-2 0.53(mm)
ICV 460-635023/21		08/26/2019 18:20	1		Rtx-CLP 0.53(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CPESTGC4 Start Date: 12/27/2019 03:34

Analysis Batch Number: 665293 End Date: 12/27/2019 10:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 460-665293/2		12/27/2019 03:34	1	4P0024509.D	CLP-2 0.53(mm)
PEM 460-665293/2		12/27/2019 03:34	1	4P0024509.D	Rtx-CLP 0.53(mm)
CCVIS 460-665293/3		12/27/2019 03:50	1	4P0024510.D	CLP-2 0.53(mm)
CCVIS 460-665293/3		12/27/2019 03:50	1	4P0024510.D	Rtx-CLP 0.53(mm)
CCV 460-665293/4		12/27/2019 04:05	1	4P0024511.D	CLP-2 0.53(mm)
CCV 460-665293/4		12/27/2019 04:05	1	4P0024511.D	Rtx-CLP 0.53(mm)
CCV 460-665293/5		12/27/2019 04:21	1	4P0024512.D	CLP-2 0.53(mm)
CCV 460-665293/5		12/27/2019 04:21	1	4P0024512.D	Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 04:37	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 04:37	1		Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 05:07	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 05:07	1		Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 05:23	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 05:23	1		Rtx-CLP 0.53(mm)
MB 460-665106/1-A		12/27/2019 05:39	1	4P0024517.D	CLP-2 0.53(mm)
MB 460-665106/1-A		12/27/2019 05:39	1	4P0024517.D	Rtx-CLP 0.53(mm)
LCS 460-665106/2-A		12/27/2019 05:55	1	4P0024518.D	CLP-2 0.53(mm)
LCS 460-665106/2-A		12/27/2019 05:55	1	4P0024518.D	Rtx-CLP 0.53(mm)
LCSD 460-665106/3-A		12/27/2019 06:10	1	4P0024519.D	CLP-2 0.53(mm)
LCSD 460-665106/3-A		12/27/2019 06:10	1	4P0024519.D	Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 06:26	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 06:26	1		Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 06:42	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 06:42	1		Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 06:58	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 06:58	1		Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 07:14	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 07:14	1		Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 07:29	10		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 07:29	10		Rtx-CLP 0.53(mm)
ZZZZZ		12/27/2019 07:44	1		CLP-2 0.53(mm)
ZZZZZ		12/27/2019 07:44	1		Rtx-CLP 0.53(mm)
460-199723-1		12/27/2019 10:00	1	4P0024526.D	CLP-2 0.53(mm)
460-199723-1		12/27/2019 10:00	1	4P0024526.D	Rtx-CLP 0.53(mm)
460-199723-2		12/27/2019 10:16	1	4P0024527.D	CLP-2 0.53(mm)
460-199723-2		12/27/2019 10:16	1	4P0024527.D	Rtx-CLP 0.53(mm)
460-199723-3		12/27/2019 10:31	1	4P0024528.D	CLP-2 0.53(mm)
460-199723-3		12/27/2019 10:31	1	4P0024528.D	Rtx-CLP 0.53(mm)

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665106 Batch Start Date: 12/26/19 09:10 Batch Analyst: Babu, Dhanalakshmi X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	OP_PESTSP_LVI 00022	OPPSPCBSU_LVI 00017	
MB 460-665106/1		3510C, 8081B		250 mL	1 mL	7 SU		50 uL	
LCS 460-665106/2		3510C, 8081B		250 mL	1 mL	7 SU	50 uL	50 uL	
LCSD 460-665106/3		3510C, 8081B		250 mL	1 mL	7 SU	50 uL	50 uL	
460-199723-F-1	MW-2	3510C, 8081B	T	250 mL	1 mL	5 SU		50 uL	
460-199723-F-2	MW-1	3510C, 8081B	T	250 mL	1 mL	6 SU		50 uL	
460-199723-F-3	Duplicate	3510C, 8081B	T	250 mL	1 mL	6 SU		50 uL	

Batch Notes	
Batch Comment	8081 Pest water
Analyst ID - Concentration	DB
Concentration 1 Corrected Temperature	37 Degrees C
Exchange Solvent ID	Hexane: 243407
Analyst ID - Extraction	DB
Method/Fraction	8081 Pest water
Na2SO4 ID	191176
pH Indicator ID	HC995364
Prep Solvent ID	Dichloromethane: 238017
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	DB
Thermometer ID - Concentration 1	31020
Concentration 1 Uncorrected Temperature	37 Degrees C
Vial Lot Number	1836290145

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 8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-608 ID: 0.53(mm) GC Column (2): DB-5 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
MW-2	460-199723-1	103	159 X
MW-1	460-199723-2	98	156 X
Duplicate	460-199723-3	99	155 X
	MB 460-665272/1-A	120	186 X
	LCS 460-665272/2-A	111	172 X
	LCSD 460-665272/3-A	107	166 X

	QC LIMITS
DCPAA = 2,4-Dichlorophenylacetic acid	54-150

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 1F459416.D

Lab ID: LCS 460-665272/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-D	16.0	24.8	155	48-119	
2,4-D	16.0	11.5	72	48-119	
Silvex (2,4,5-TP)	4.00	5.11	128	76-150	
Silvex (2,4,5-TP)	4.00	3.98	99	76-150	
2,4,5-T	4.00	6.04	151	68-139	*
2,4,5-T	4.00	4.25	106	68-139	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 1F459417.D

Lab ID: LCSD 460-665272/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-D	16.0	24.0	150	3	30	48-119	
2,4-D	16.0	11.0	69	4	30	48-119	
Silvex (2,4,5-TP)	4.00	4.94	124	3	30	76-150	
Silvex (2,4,5-TP)	4.00	3.91	98	2	30	76-150	
2,4,5-T	4.00	5.87	147	3	30	68-139	*
2,4,5-T	4.00	4.07	102	4	30	68-139	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: MB 460-665272/1-A

Matrix: Water Date Extracted: 12/26/2019 23:47

Lab File ID:(1) 1F459415.D Lab File ID:(2) 1F459415.D

Date Analyzed:(1) 12/28/2019 13:08 Date Analyzed:(2) 12/28/2019 13:08

Instrument ID:(1) CPESTGC1 Instrument ID:(2) CPESTGC1

GC Column:(1) DB-608 ID: 0.53(mm) GC Column:(2) DB-5 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-665272/2-A	12/28/2019 13:21	12/28/2019 13:21
	LCSD 460-665272/3-A	12/28/2019 13:35	12/28/2019 13:35
MW-2	460-199723-1	12/28/2019 14:03	12/28/2019 14:03
MW-1	460-199723-2	12/28/2019 14:16	12/28/2019 14:16
Duplicate	460-199723-3	12/28/2019 14:30	12/28/2019 14:30

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665272/2-A

Instrument ID (1): CPESTGC1 Instrument ID (2): CPESTGC1

Date Analyzed (1): 12/28/2019 13:21 Date Analyzed (2): 12/28/2019 13:21

GC Column (1): DB-608 ID: 0.53(mm) GC Column (2): DB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		3.59	3.52	3.66	11.5		73.4
	2		4.17	4.10	4.24	24.8		
Silvex (2,4,5-TP)	1		4.17	4.10	4.24	3.98		24.9
	2		4.89	4.82	4.96	5.11		
2,4,5-T	1		4.39	4.33	4.47	4.25		34.9
	2		5.25	5.19	5.33	6.04		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665272/3-A

Instrument ID (1): CPESTGC1 Instrument ID (2): CPESTGC1

Date Analyzed (1): 12/28/2019 13:35 Date Analyzed (2): 12/28/2019 13:35

GC Column (1): DB-608 ID: 0.53(mm) GC Column (2): DB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		3.59	3.52	3.66	11.0		74.7
	2		4.17	4.10	4.24	24.0		
Silvex (2,4,5-TP)	1		4.17	4.10	4.24	3.91		23.2
	2		4.89	4.82	4.96	4.94		
2,4,5-T	1		4.40	4.33	4.47	4.07		36.3
	2		5.25	5.19	5.33	5.87		

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: 1F459419.D

Analysis Method: 8151A Date Collected: 12/23/2019 09:45

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 14:03

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	159	X	54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D				
Lims ID:	460-199723-I-1-A				
Client ID:	MW-2				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 14:03:09	ALS Bottle#:	37	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103572-017				
Operator ID:		Instrument ID:	CPESTGC1		
Method:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	30-Dec-2019 09:05:54	Calib Date:	26-Dec-2019 16:57:34		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	DB-608 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX0336				
First Level Reviewer: kapoors		Date:	30-Dec-2019 07:37:20		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	3.337	3.338	-0.001	266498	2646.0	
2	2.947	2.948	-0.001	745816	1708.9	
					RPD = 43.04	

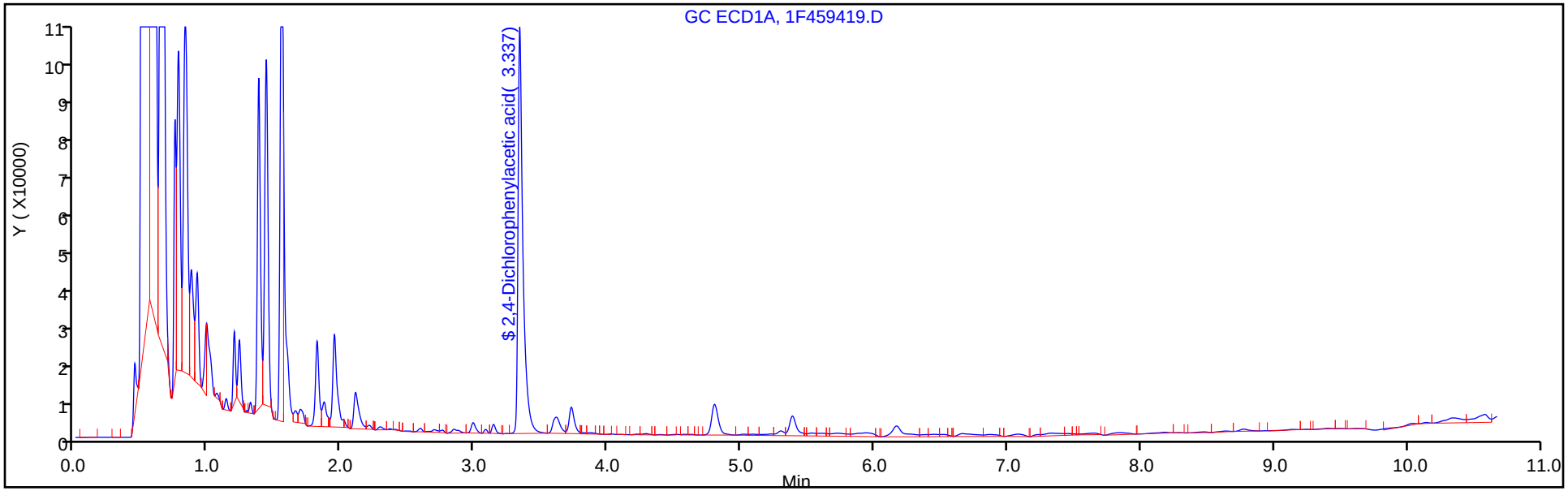
Report Date: 30-Dec-2019 09:07:20 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

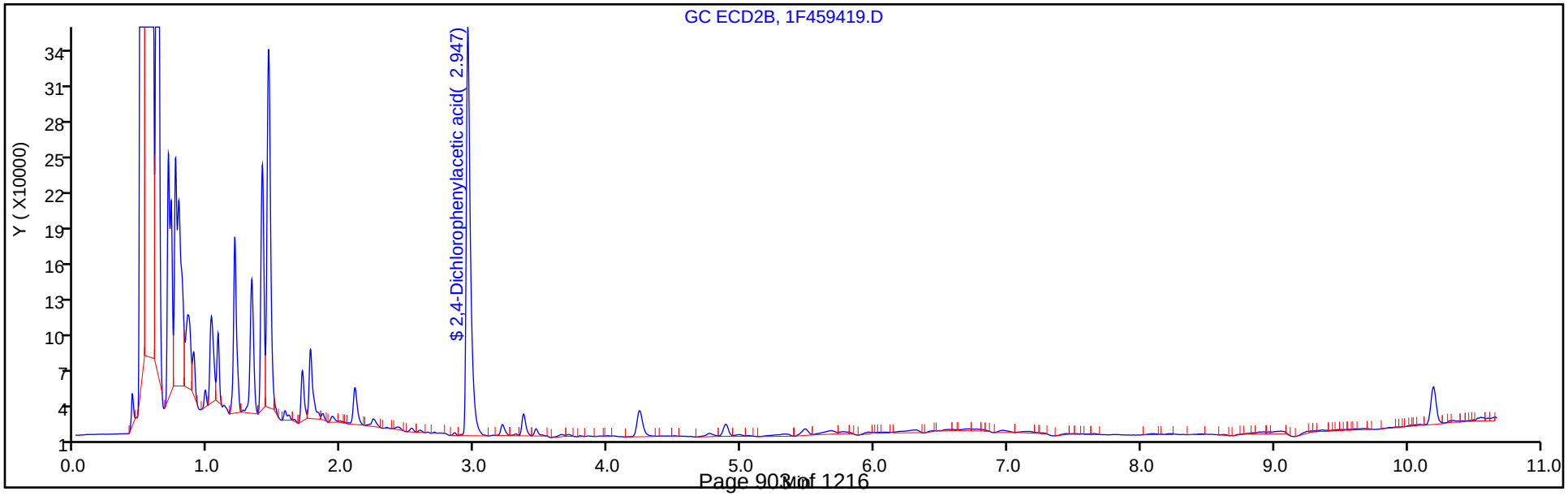
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D

Injection Date:	28-Dec-2019 14:03:09	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	460-199723-I-1-A	Lab Sample ID:	460-199723-1	Worklist Smp#:	17
Client ID:	MW-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

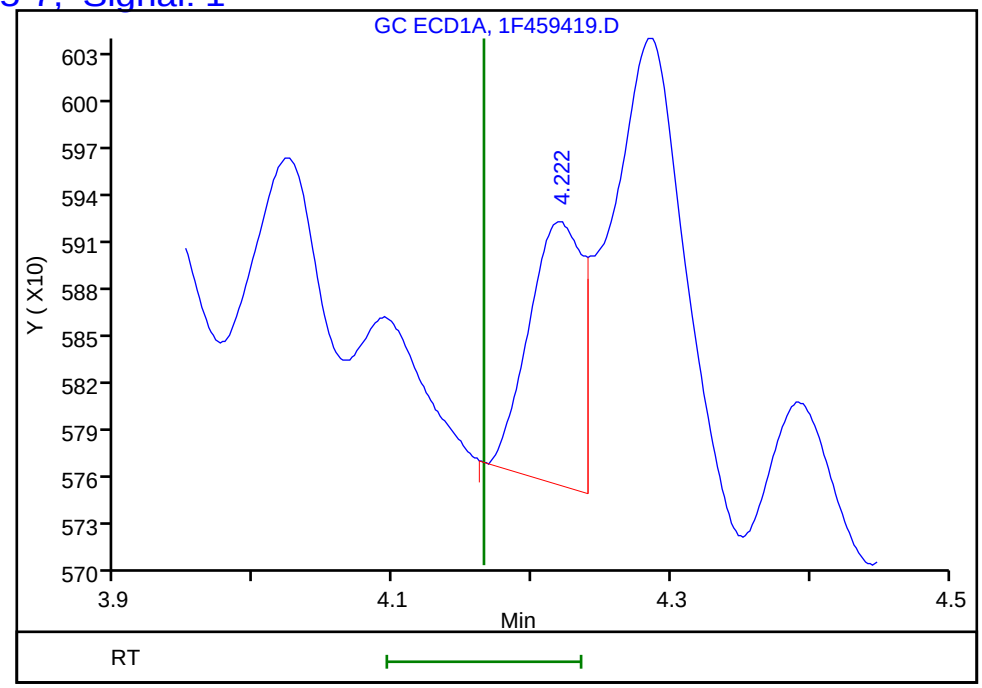
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D

Injection Date:	28-Dec-2019 14:03:09	Instrument ID:	CPESTGC1
Lims ID:	460-199723-I-1-A	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	37 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

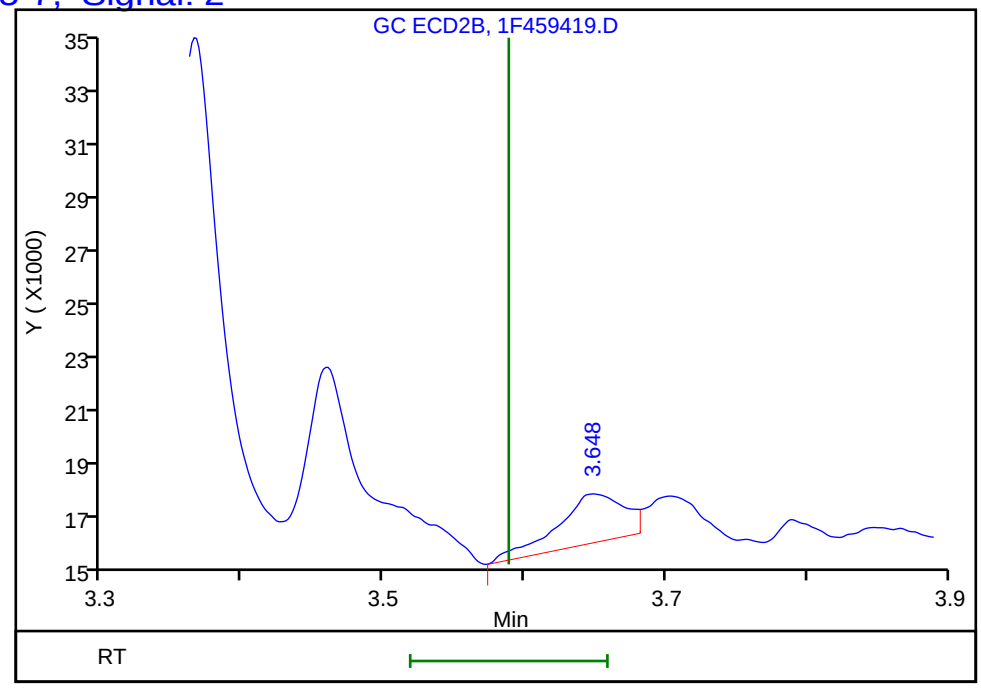
RT: 4.22
Response: 453
Amount: 2.733352



Column: DB-608 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 3.65
Response: 6018
Amount: 11.504335



Reviewer: kapoors, 30-Dec-2019 07:37:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

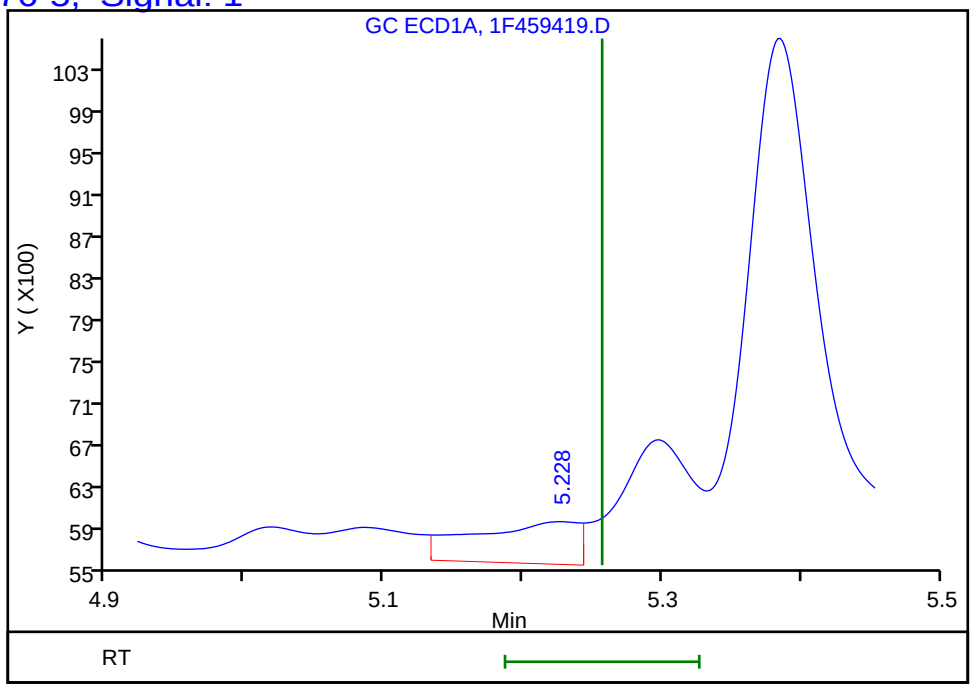
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D

Injection Date:	28-Dec-2019 14:03:09	Instrument ID:	CPESTGC1
Lims ID:	460-199723-I-1-A	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	37 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

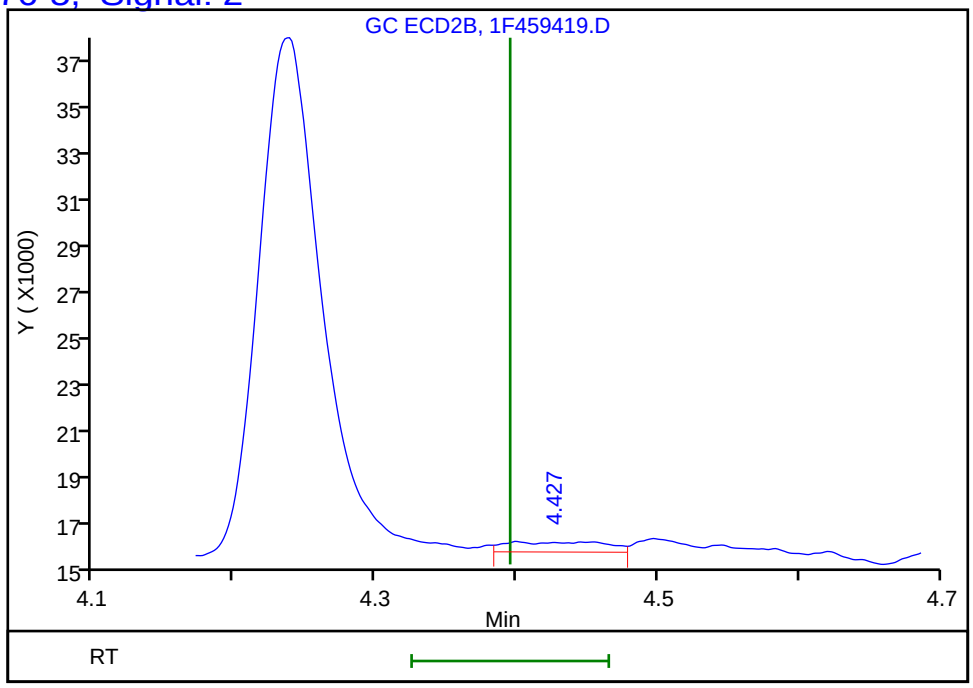
RT: 5.23
Response: 2064
Amount: 3.520767



Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.43
Response: 2041
Amount: 0.873913



Reviewer: kapoors, 30-Dec-2019 07:37:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-199723-1

Matrix: Water Lab File ID: 1F459419.D

Analysis Method: 8151A Date Collected: 12/23/2019 09:45

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 14:03

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-608 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.13	U	1.2	0.13
93-72-1	Silvex (2,4,5-TP)	0.11	U	1.2	0.11
93-76-5	2,4,5-T	0.12	U	1.2	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	103		54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D				
Lims ID:	460-199723-I-1-A				
Client ID:	MW-2				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 14:03:09	ALS Bottle#:	37	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103572-017				
Operator ID:		Instrument ID:	CPESTGC1		
Method:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	30-Dec-2019 09:05:54	Calib Date:	26-Dec-2019 16:57:34		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	DB-608 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX0336				
First Level Reviewer: kapoors		Date:	30-Dec-2019 07:37:20		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	3.337	3.338	-0.001	266498	2646.0	
2	2.947	2.948	-0.001	745816	1708.9	
					RPD = 43.04	

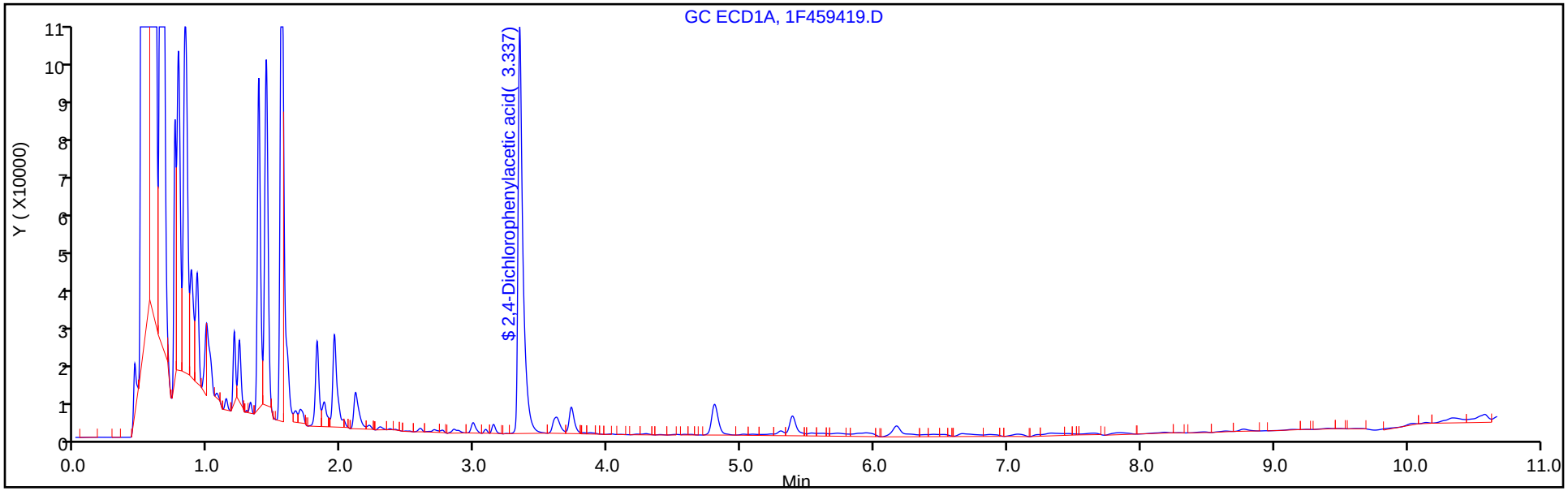
Report Date: 30-Dec-2019 09:07:20 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

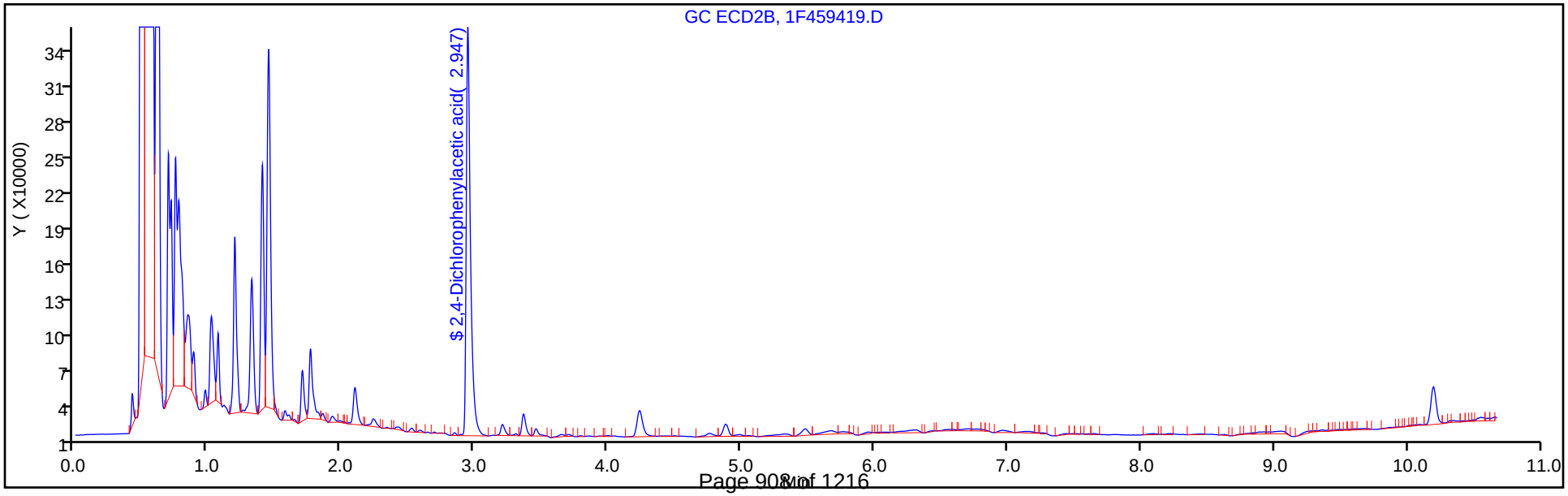
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D

Injection Date:	28-Dec-2019 14:03:09	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	460-199723-I-1-A	Lab Sample ID:	460-199723-1	Worklist Smp#:	17
Client ID:	MW-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

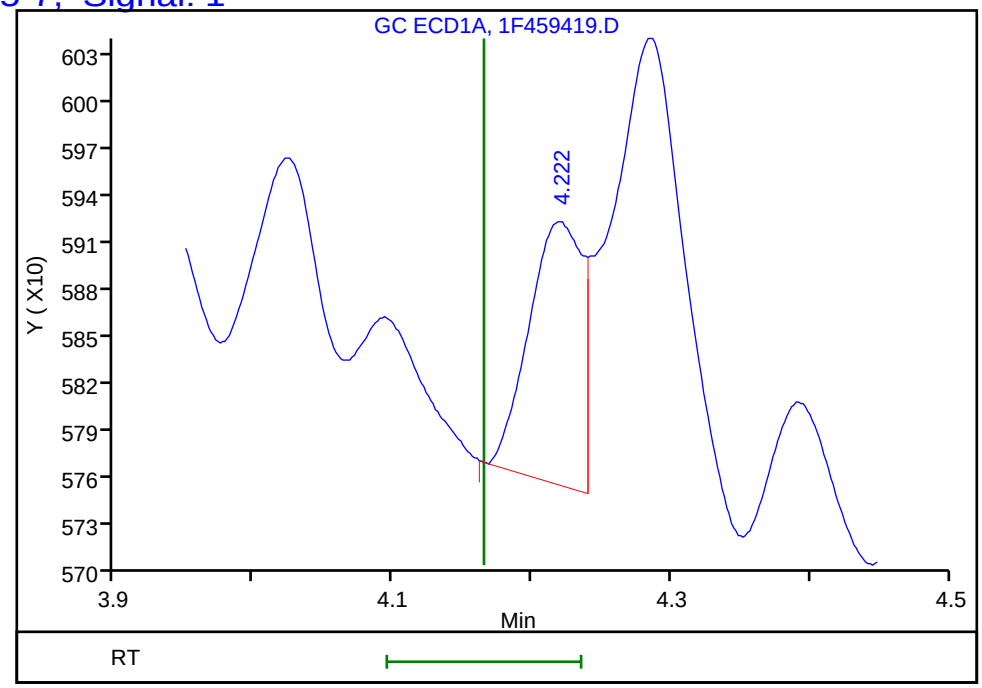
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D

Injection Date:	28-Dec-2019 14:03:09	Instrument ID:	CPESTGC1
Lims ID:	460-199723-I-1-A	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	37 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

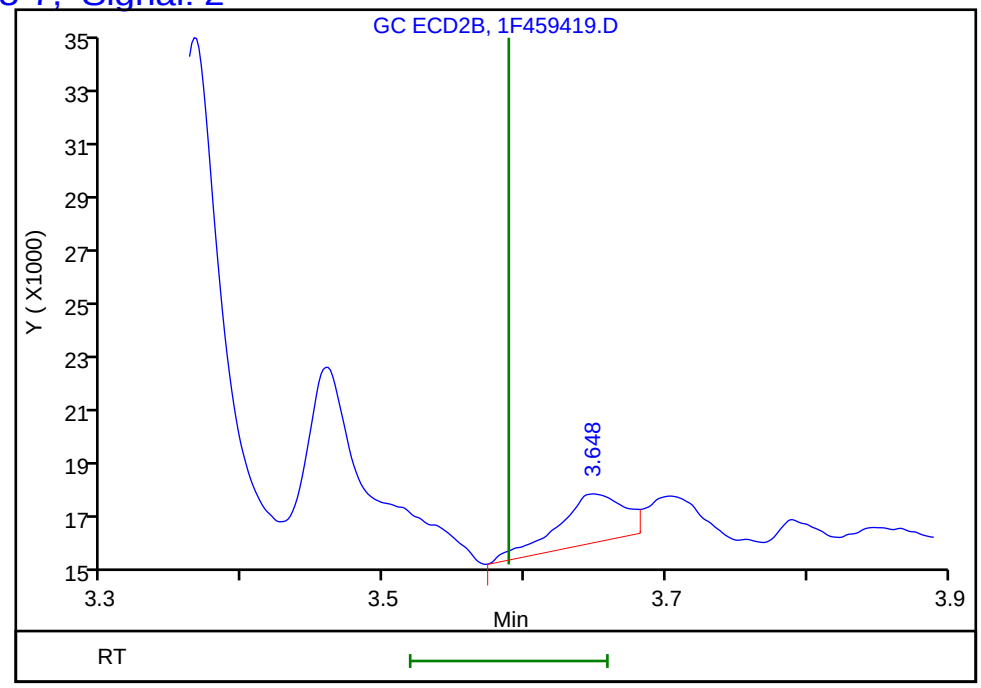
RT: 4.22
Response: 453
Amount: 2.733352



Column: DB-608 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 3.65
Response: 6018
Amount: 11.504335



Reviewer: kapoors, 30-Dec-2019 07:37:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

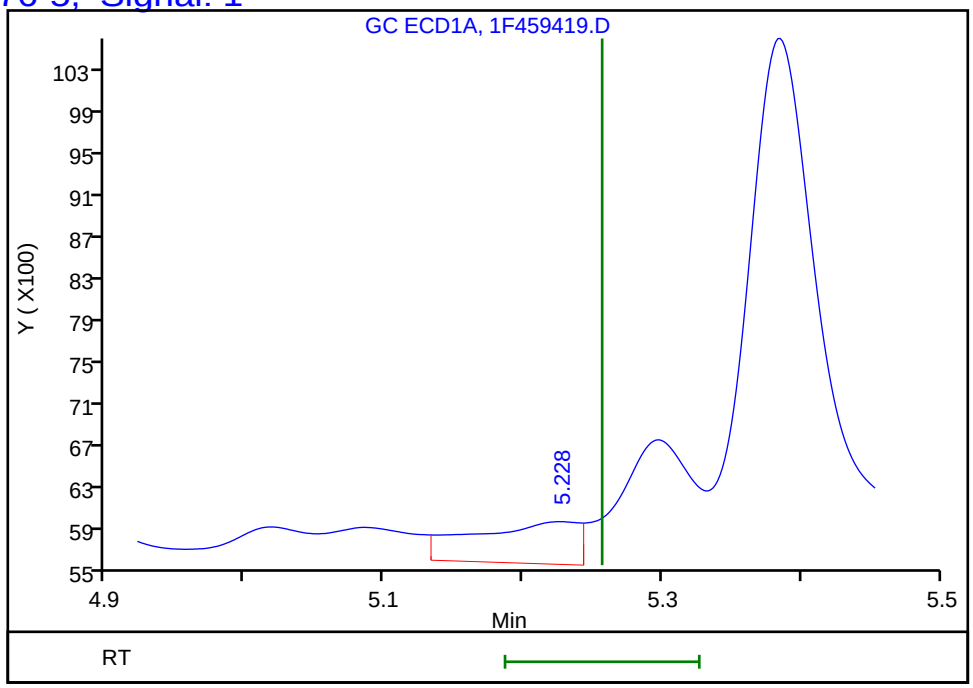
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459419.D

Injection Date:	28-Dec-2019 14:03:09	Instrument ID:	CPESTGC1
Lims ID:	460-199723-I-1-A	Lab Sample ID:	460-199723-1
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	37 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

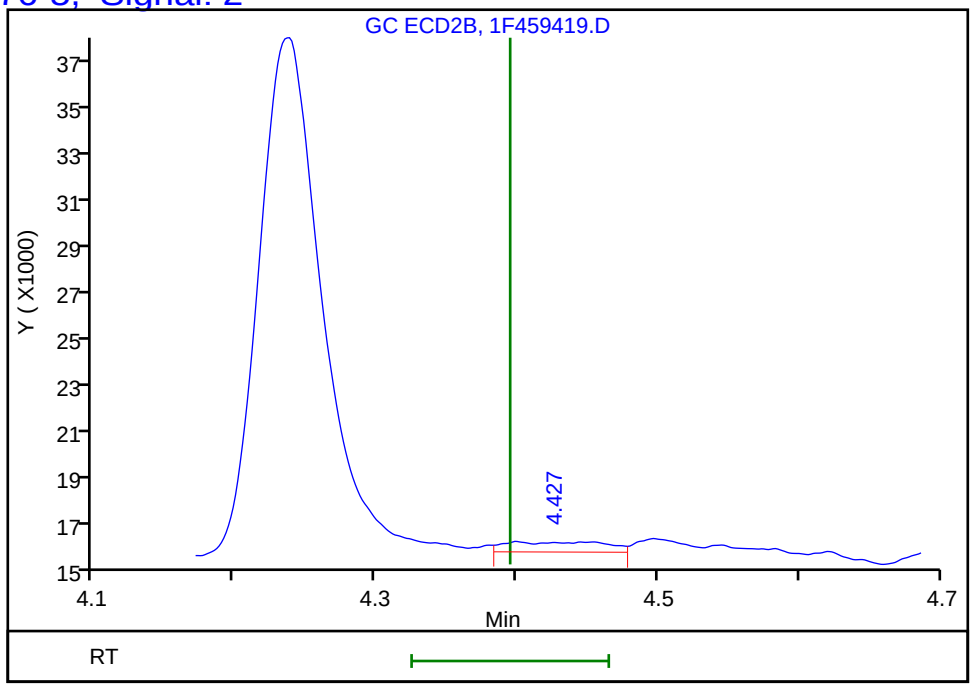
RT: 5.23
Response: 2064
Amount: 3.520767



Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.43
Response: 2041
Amount: 0.873913



Reviewer: kapoors, 30-Dec-2019 07:37:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: 1F459420.D

Analysis Method: 8151A Date Collected: 12/23/2019 11:35

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 14:16

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	156	X	54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D				
Lims ID:	460-199723-E-2-A				
Client ID:	MW-1				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 14:16:48	ALS Bottle#:	38	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103572-018				
Operator ID:		Instrument ID:	CPESTGC1		
Method:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	30-Dec-2019 09:05:54	Calib Date:	26-Dec-2019 16:57:34		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	DB-608 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX0336				
First Level Reviewer: kapoors		Date:	30-Dec-2019 07:37:27		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	3.337	3.338	-0.001	261630	2594.1	
2	2.947	2.948	-0.001	715035	1638.4	
					RPD = 45.16	

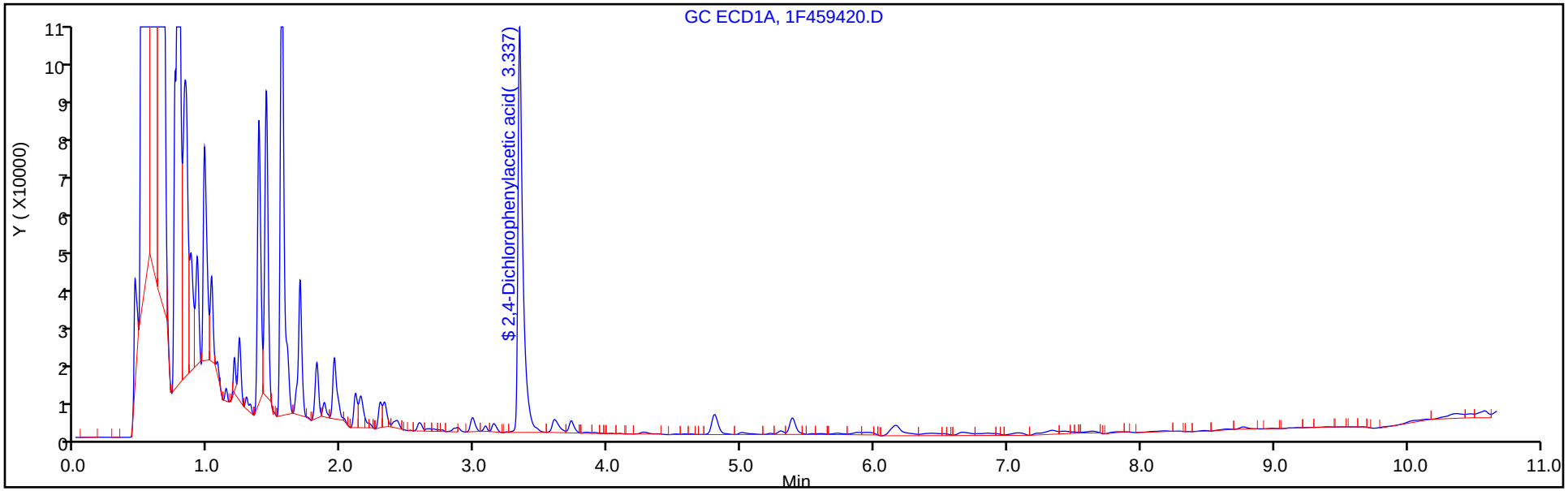
Report Date: 30-Dec-2019 09:07:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

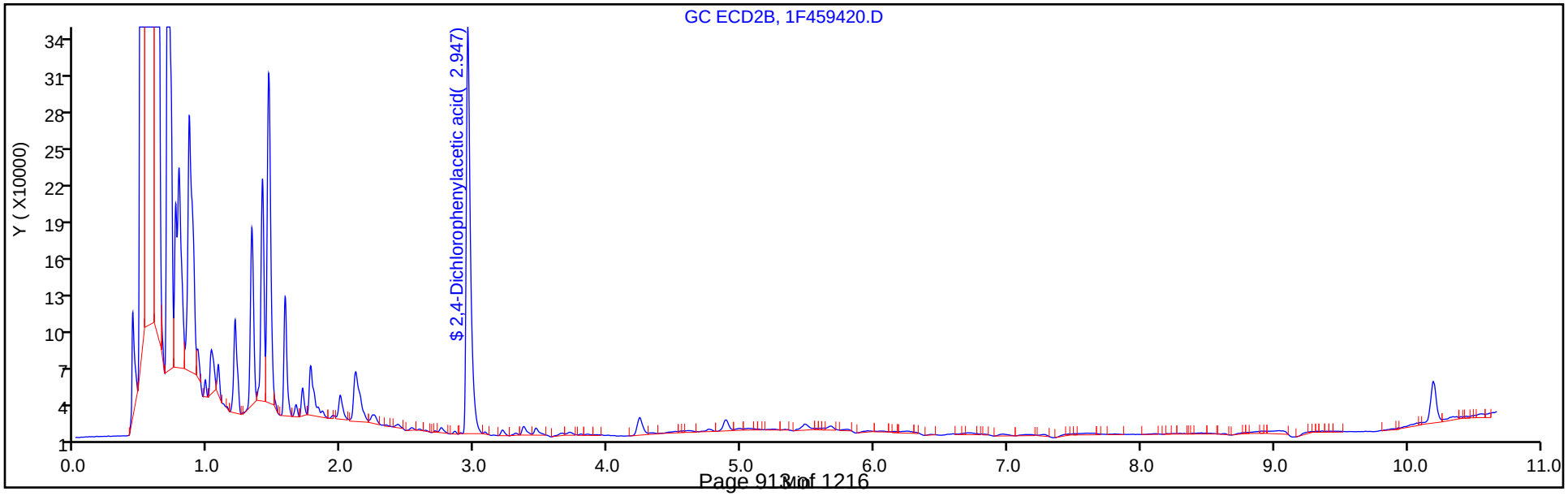
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D

Injection Date:	28-Dec-2019 14:16:48	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	460-199723-E-2-A	Lab Sample ID:	460-199723-2	Worklist Smp#:	18
Client ID:	MW-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	38
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D

Injection Date: 28-Dec-2019 14:16:48 Instrument ID: CPESTGC1

Lims ID: 460-199723-E-2-A Lab Sample ID: 460-199723-2

Client ID: MW-1

Operator ID: ALS Bottle#: 38 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL

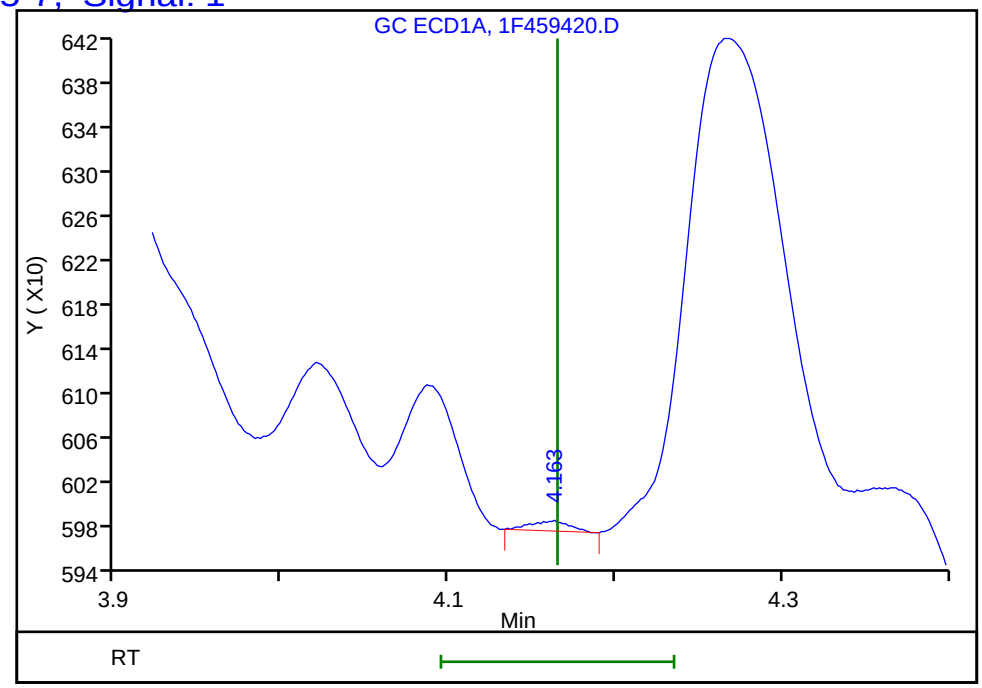
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 4.16

Response: 14

Amount: 0.084474



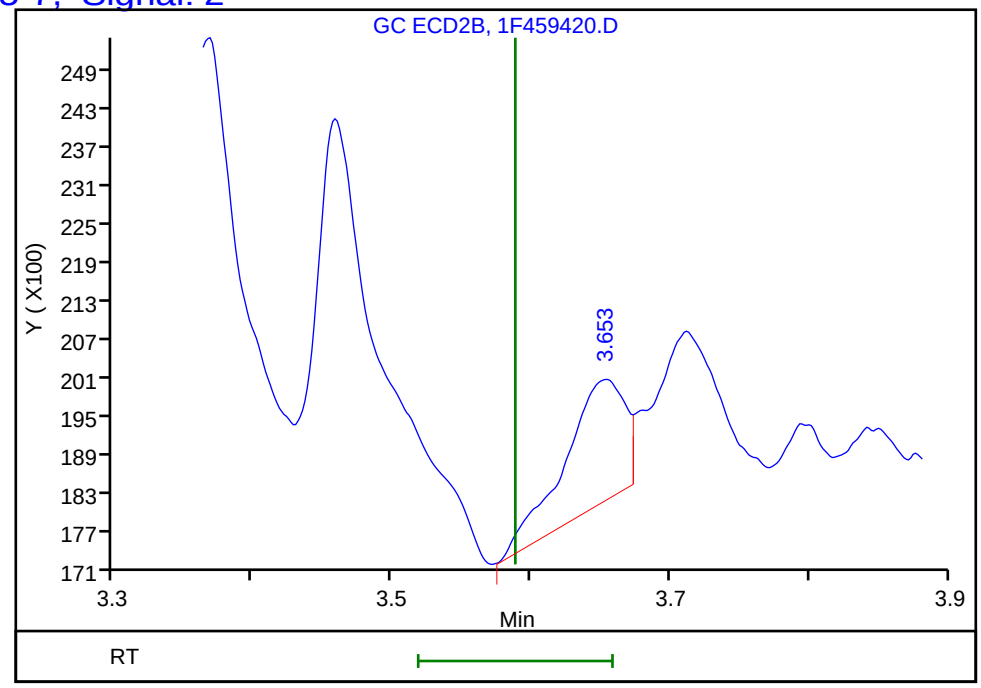
Column: DB-608 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 3.65

Response: 5850

Amount: 11.183177



Reviewer: kapoors, 30-Dec-2019 07:37:27

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

User Disabled Compound Report

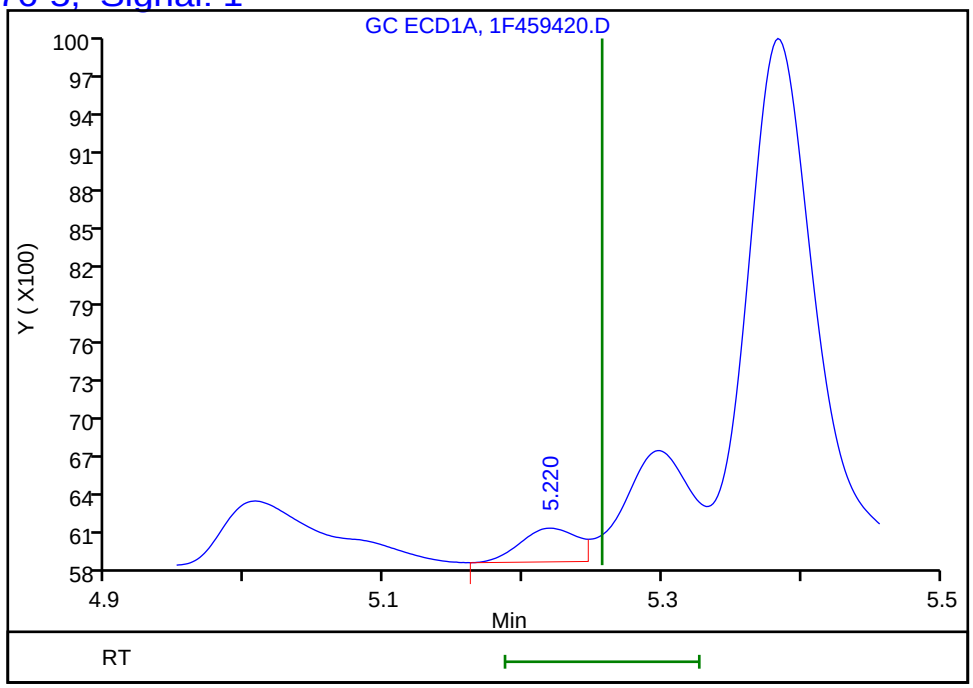
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D

Injection Date:	28-Dec-2019 14:16:48	Instrument ID:	CPESTGC1
Lims ID:	460-199723-E-2-A	Lab Sample ID:	460-199723-2
Client ID:	MW-1		
Operator ID:		ALS Bottle#:	38 Worklist Smp#: 18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

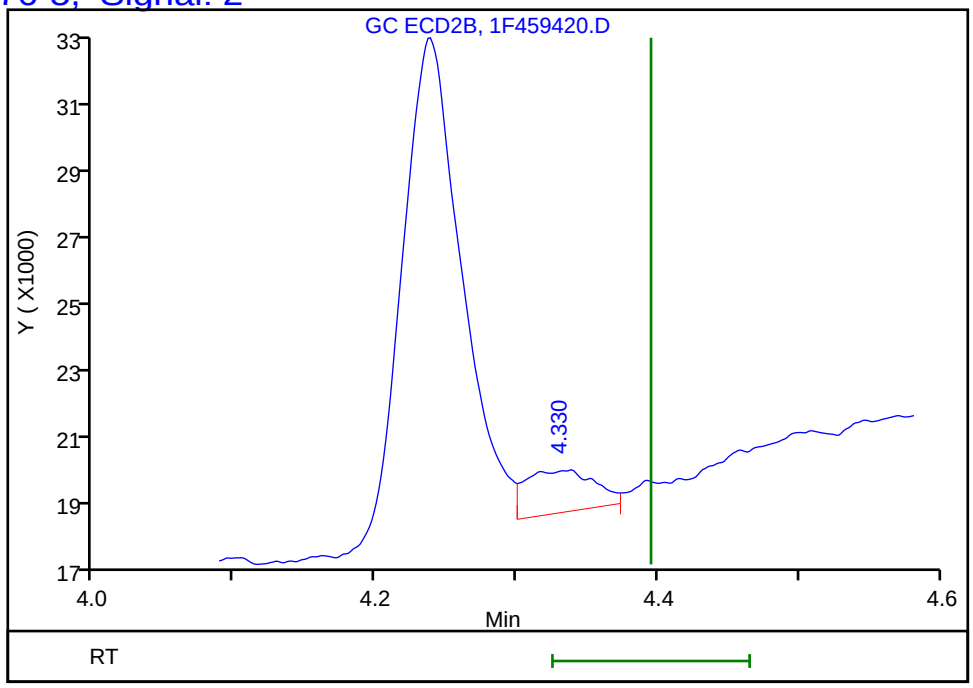
RT: 5.22
Response: 758
Amount: 1.292995



Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.33
Response: 4061
Amount: 1.738834



Reviewer: kapoors, 30-Dec-2019 07:37:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-199723-2

Matrix: Water Lab File ID: 1F459420.D

Analysis Method: 8151A Date Collected: 12/23/2019 11:35

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 14:16

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-608 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.13	U	1.2	0.13
93-72-1	Silvex (2,4,5-TP)	0.11	U	1.2	0.11
93-76-5	2,4,5-T	0.12	U	1.2	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	98		54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D				
Lims ID:	460-199723-E-2-A				
Client ID:	MW-1				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 14:16:48	ALS Bottle#:	38	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103572-018				
Operator ID:		Instrument ID:	CPESTGC1		
Method:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	30-Dec-2019 09:05:54	Calib Date:	26-Dec-2019 16:57:34		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	DB-608 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX0336				
First Level Reviewer: kapoors		Date:	30-Dec-2019 07:37:27		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	3.337	3.338	-0.001	261630	2594.1	
2	2.947	2.948	-0.001	715035	1638.4	
					RPD = 45.16	

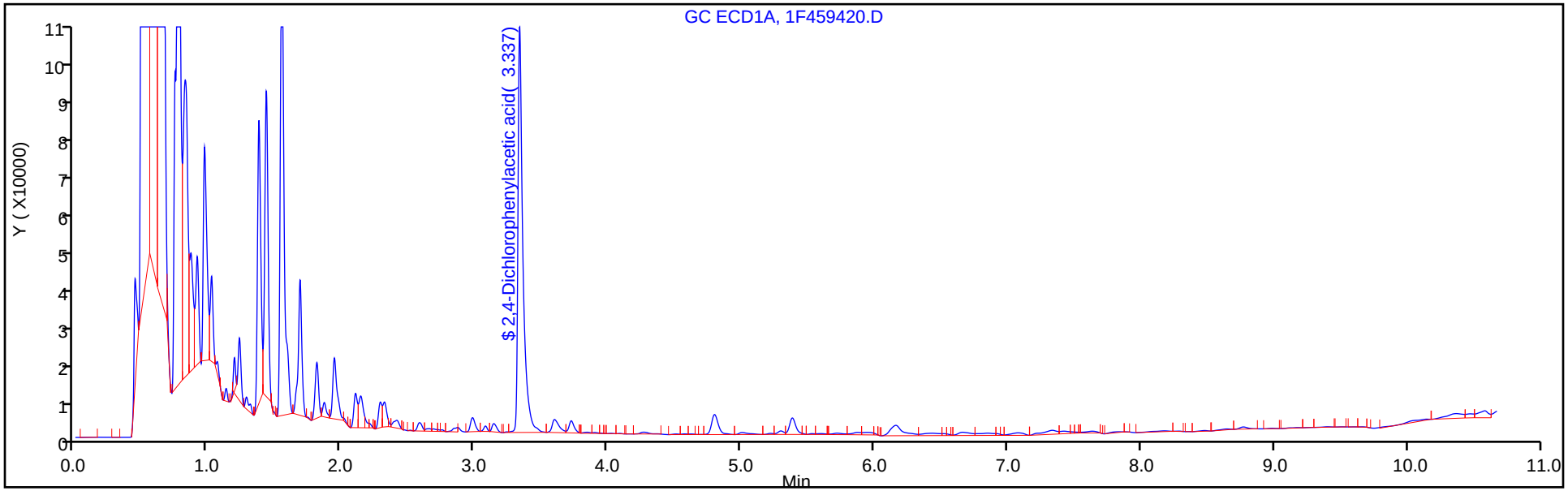
Report Date: 30-Dec-2019 09:07:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

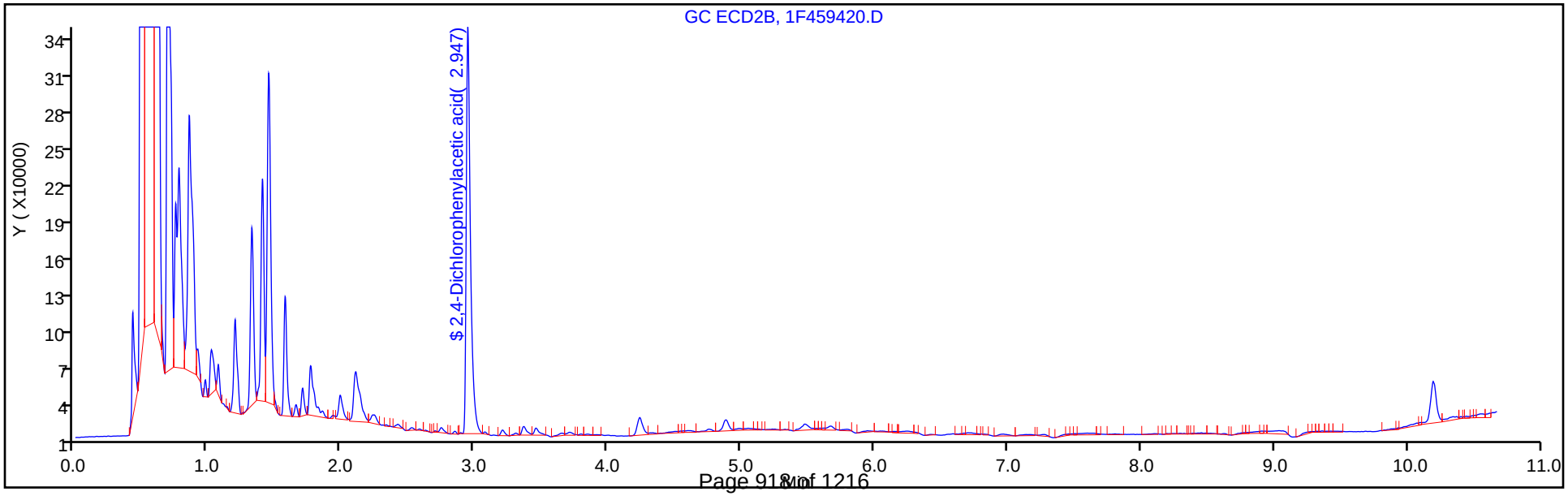
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D

Injection Date:	28-Dec-2019 14:16:48	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	460-199723-E-2-A	Lab Sample ID:	460-199723-2	Worklist Smp#:	18
Client ID:	MW-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	38
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D

Injection Date: 28-Dec-2019 14:16:48 Instrument ID: CPESTGC1

Lims ID: 460-199723-E-2-A Lab Sample ID: 460-199723-2

Client ID: MW-1

Operator ID: ALS Bottle#: 38 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL

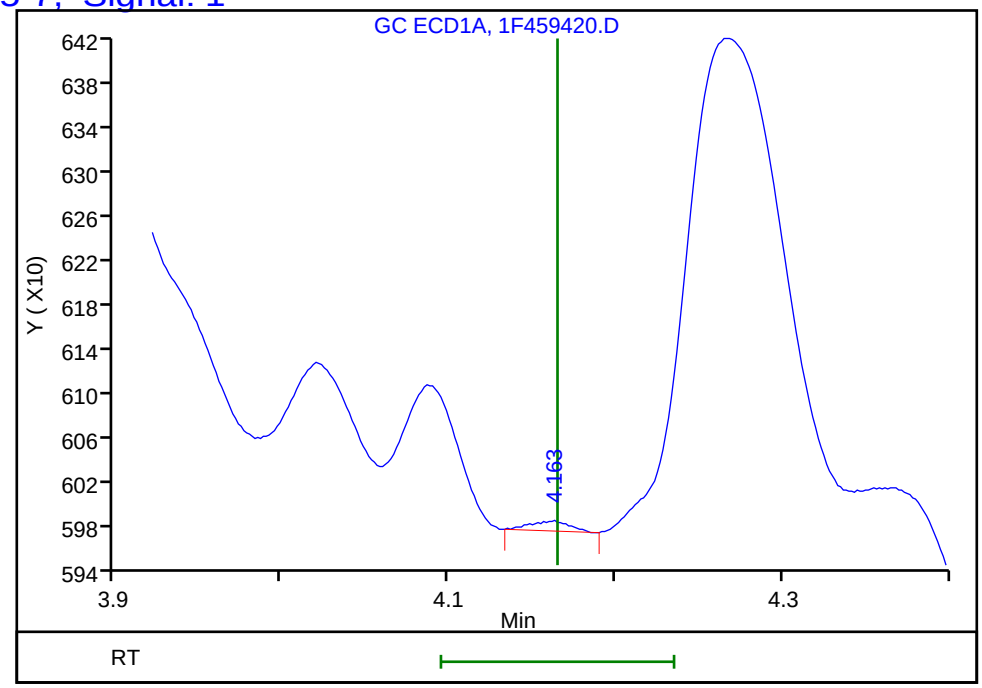
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

RT: 4.16

Response: 14

Amount: 0.084474



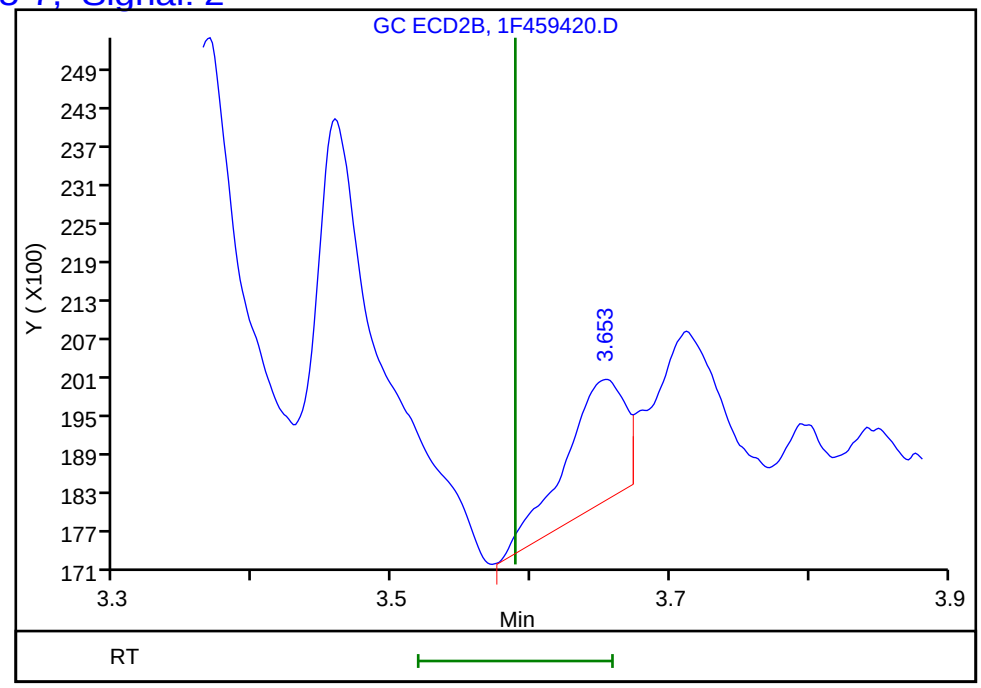
Column: DB-608 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 3.65

Response: 5850

Amount: 11.183177



Reviewer: kapoors, 30-Dec-2019 07:37:27

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

User Disabled Compound Report

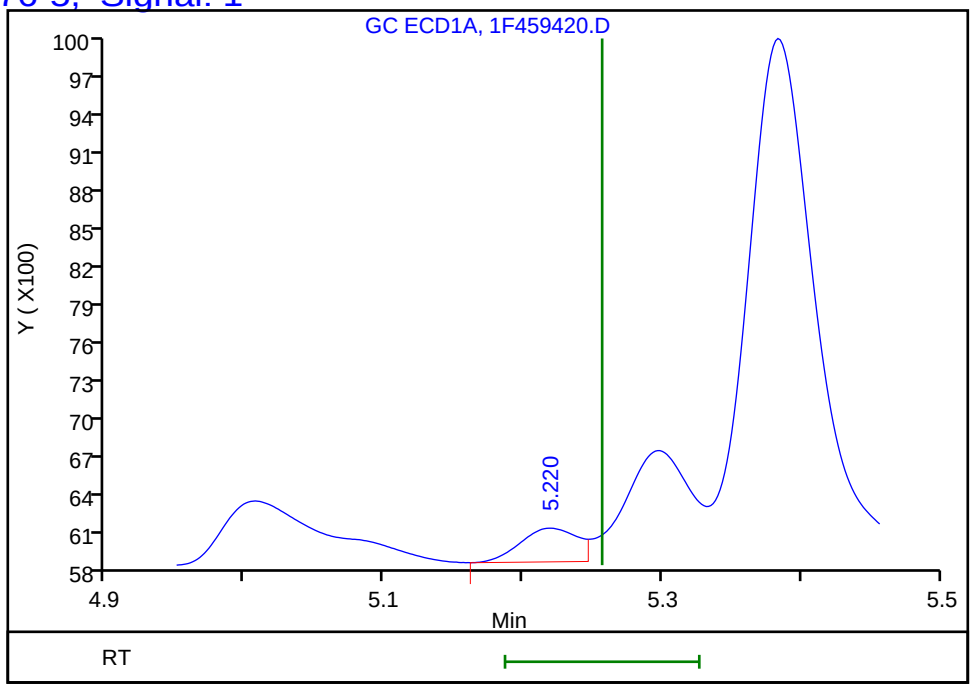
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459420.D

Injection Date:	28-Dec-2019 14:16:48	Instrument ID:	CPESTGC1
Lims ID:	460-199723-E-2-A	Lab Sample ID:	460-199723-2
Client ID:	MW-1		
Operator ID:		ALS Bottle#:	38 Worklist Smp#: 18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

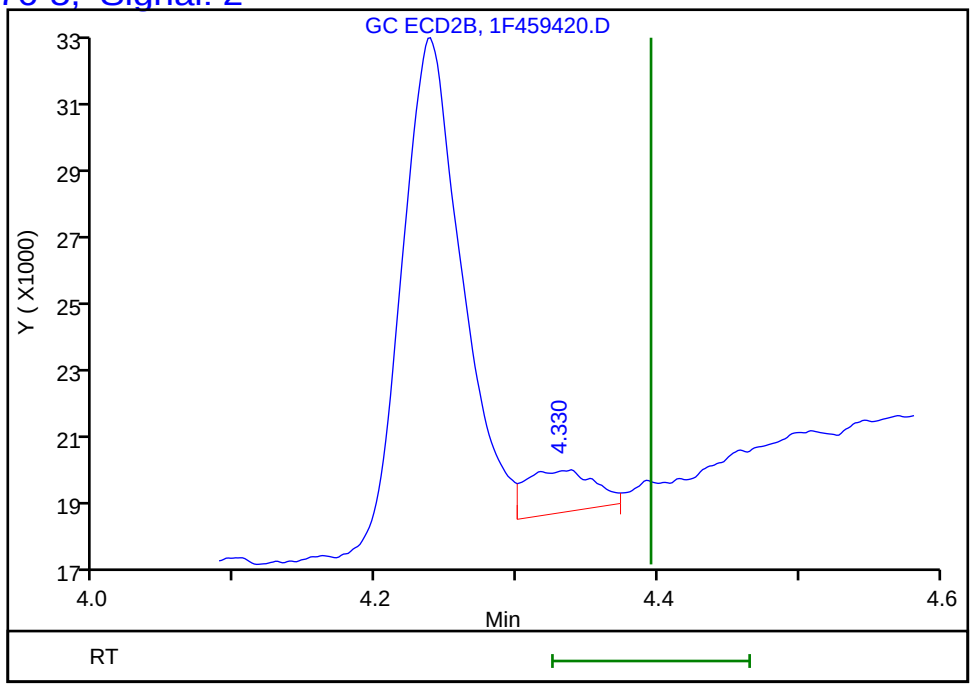
RT: 5.22
Response: 758
Amount: 1.292995



Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.33
Response: 4061
Amount: 1.738834



Reviewer: kapoors, 30-Dec-2019 07:37:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: 1F459421.D

Analysis Method: 8151A Date Collected: 12/23/2019 12:00

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 14:30

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	155	X	54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D				
Lims ID:	460-199723-E-3-A				
Client ID:	Duplicate				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 14:30:28	ALS Bottle#:	39	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103572-019				
Operator ID:		Instrument ID:	CPESTGC1		
Method:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	30-Dec-2019 09:05:54	Calib Date:	26-Dec-2019 16:57:34		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	DB-608 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX0336				
First Level Reviewer: kapoors		Date:	30-Dec-2019 07:37:33		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	3.335	3.338	-0.003	261335	2591.0	
2	2.947	2.948	-0.001	720829	1651.7	
					RPD = 44.28	

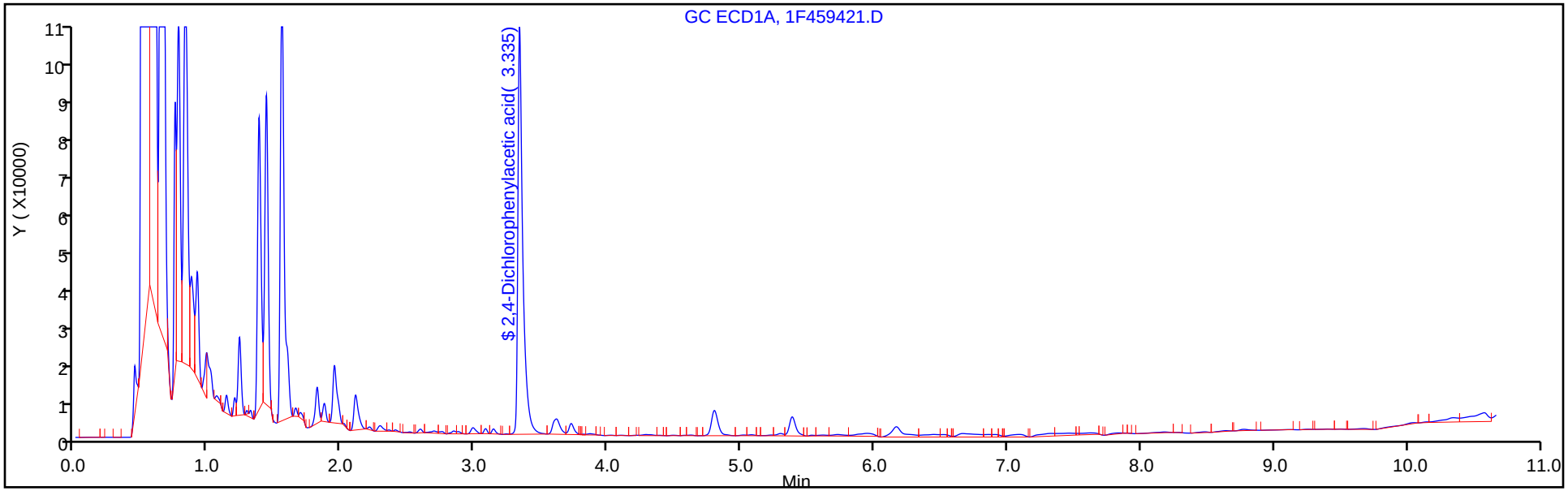
Report Date: 30-Dec-2019 09:07:27 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

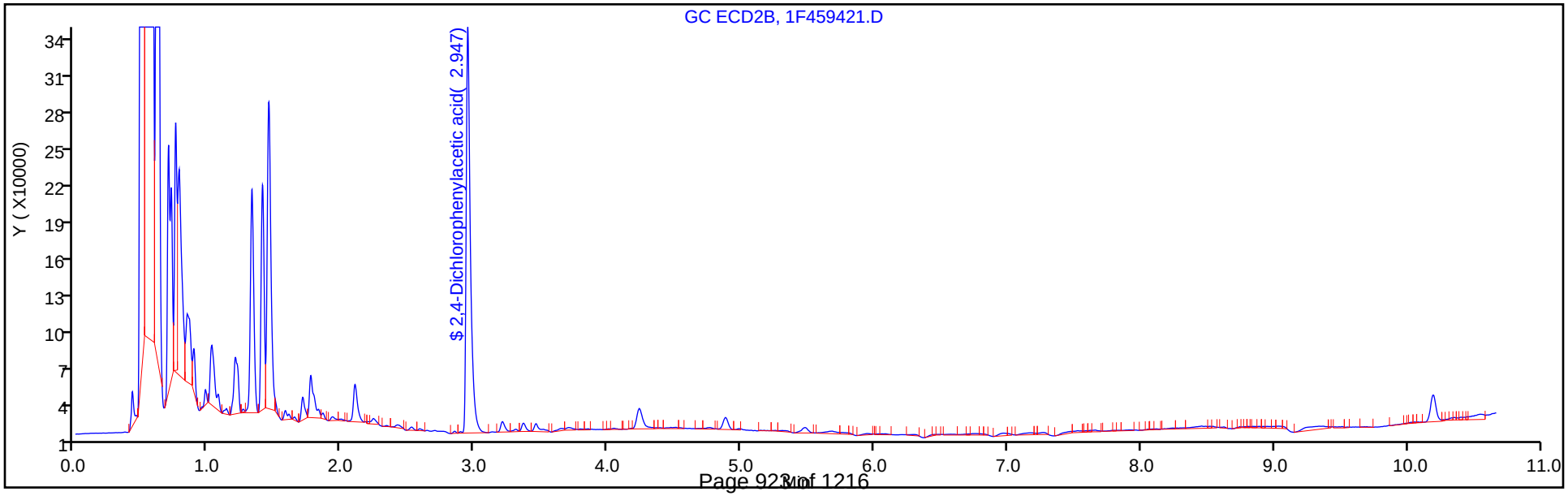
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D

Injection Date:	28-Dec-2019 14:30:28	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	460-199723-E-3-A	Lab Sample ID:	460-199723-3	Worklist Smp#:	19
Client ID:	Duplicate				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

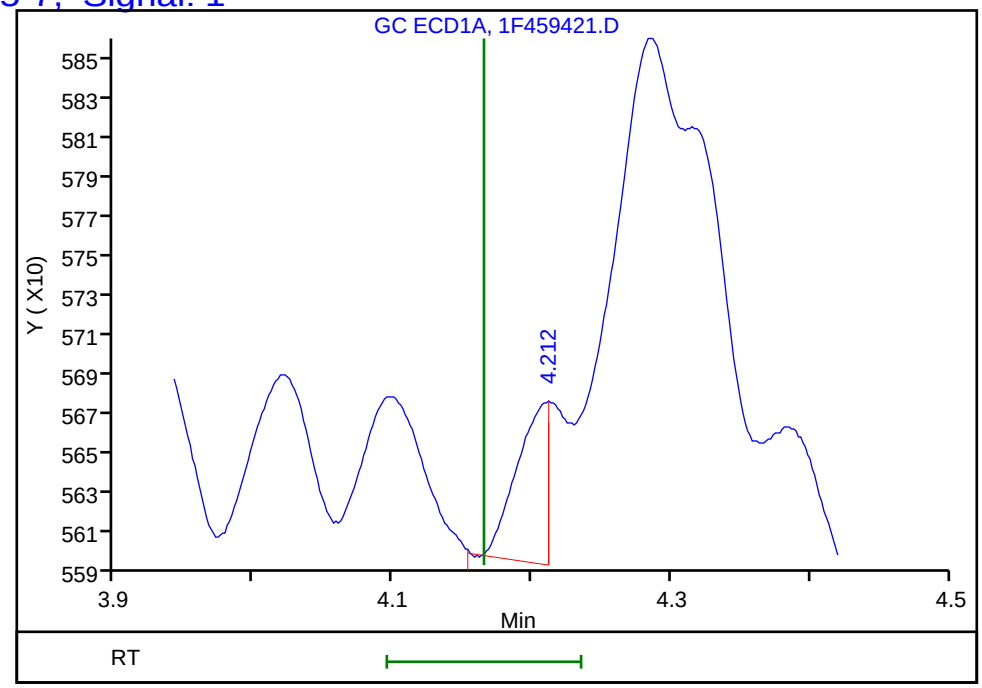
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D

Injection Date:	28-Dec-2019 14:30:28	Instrument ID:	CPESTGC1
Lims ID:	460-199723-E-3-A	Lab Sample ID:	460-199723-3
Client ID:	Duplicate		
Operator ID:		ALS Bottle#:	39 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

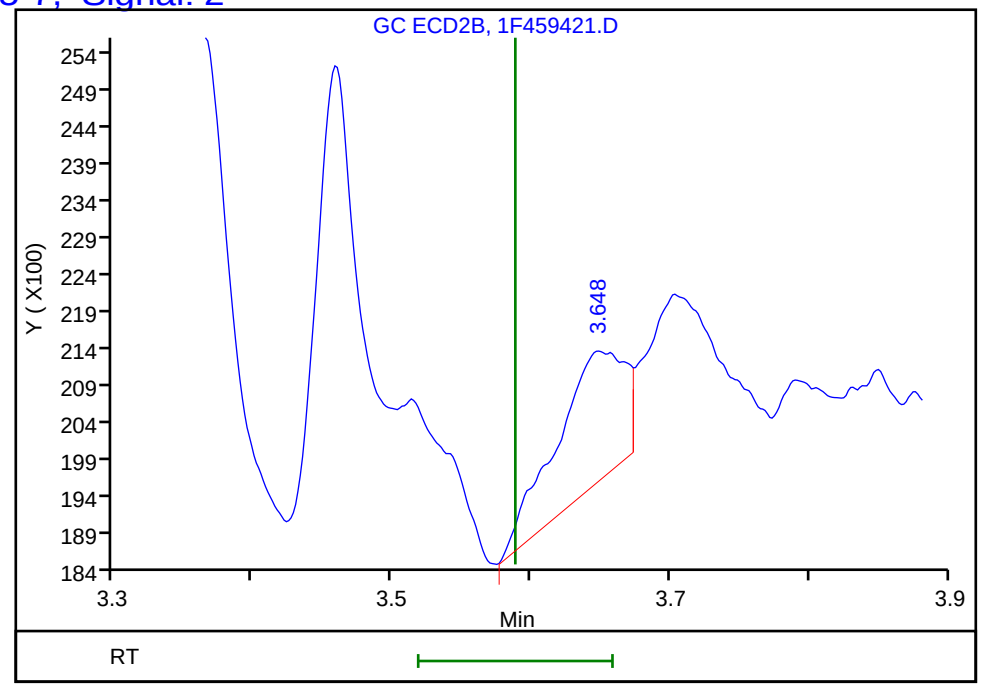
RT: 4.21
Response: 123
Amount: 0.742168



Column: DB-608 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 3.65
Response: 6173
Amount: 11.800642



Reviewer: kapoors, 30-Dec-2019 07:37:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D

Injection Date: 28-Dec-2019 14:30:28 Instrument ID: CPESTGC1

Lims ID: 460-199723-E-3-A Lab Sample ID: 460-199723-3

Client ID: Duplicate

Operator ID: ALS Bottle#: 39 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL

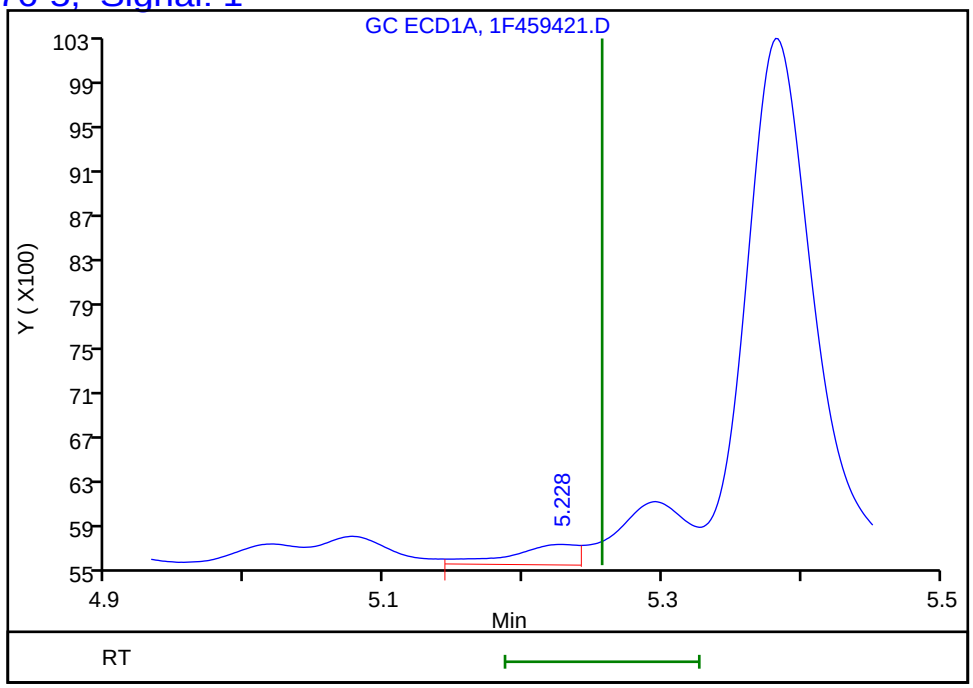
Column: DB-5 (0.53 mm) Detector GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

RT: 5.23

Response: 612

Amount: 1.043948



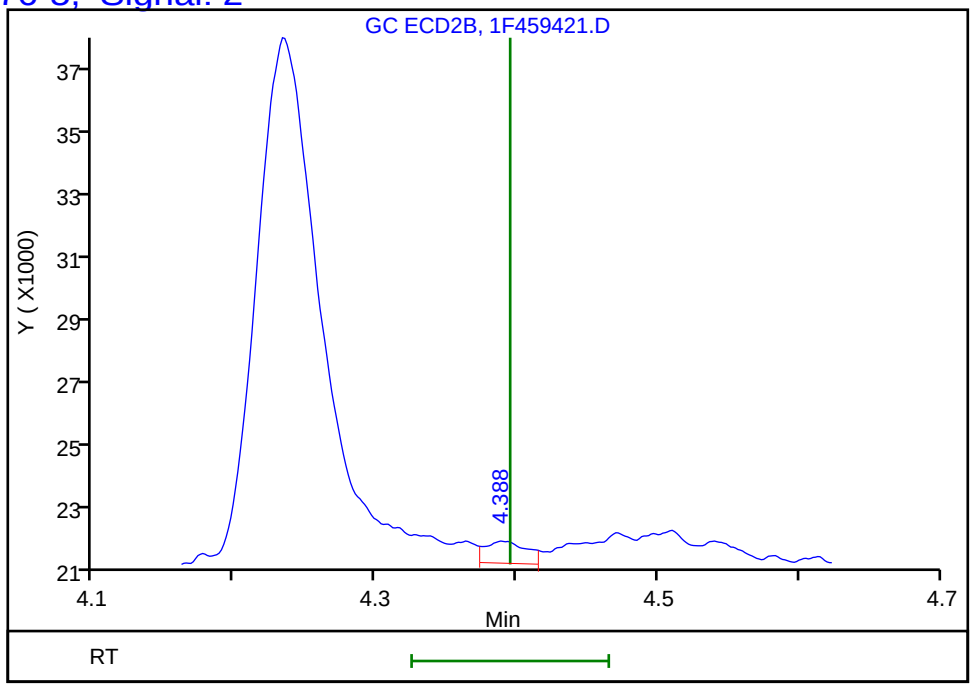
Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.39

Response: 1367

Amount: 0.585320



Reviewer: kapoors, 30-Dec-2019 07:37:33

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

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Duplicate Lab Sample ID: 460-199723-3

Matrix: Water Lab File ID: 1F459421.D

Analysis Method: 8151A Date Collected: 12/23/2019 12:00

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 14:30

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-608 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.13	U	1.2	0.13
93-72-1	Silvex (2,4,5-TP)	0.11	U	1.2	0.11
93-76-5	2,4,5-T	0.12	U	1.2	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	99		54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D				
Lims ID:	460-199723-E-3-A				
Client ID:	Duplicate				
Sample Type:	Client				
Inject. Date:	28-Dec-2019 14:30:28	ALS Bottle#:	39	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103572-019				
Operator ID:		Instrument ID:	CPESTGC1		
Method:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m				
Limit Group:	SV GC 8151 HERBS ICAL				
Last Update:	30-Dec-2019 09:05:54	Calib Date:	26-Dec-2019 16:57:34		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D				
Column 1 :	DB-5 (0.53 mm)		Det: GC ECD1A		
Column 2 :	DB-608 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX0336				
First Level Reviewer: kapoors		Date:	30-Dec-2019 07:37:33		

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid						
1	3.335	3.338	-0.003	261335	2591.0	
2	2.947	2.948	-0.001	720829	1651.7	
					RPD = 44.28	

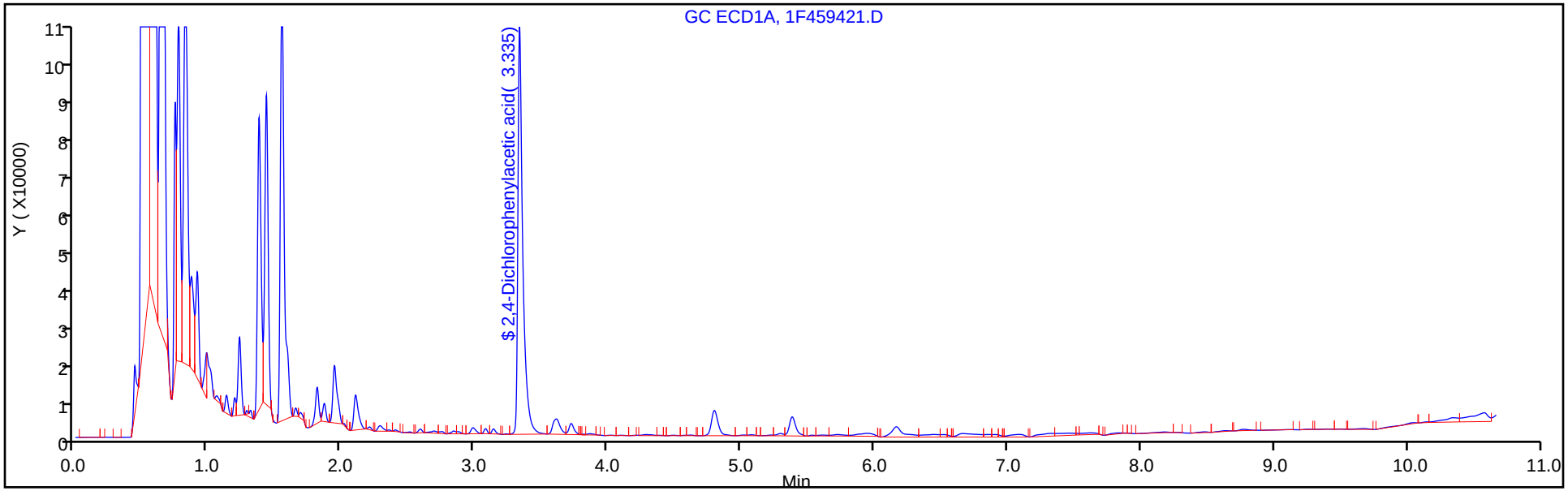
Report Date: 30-Dec-2019 09:07:27 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

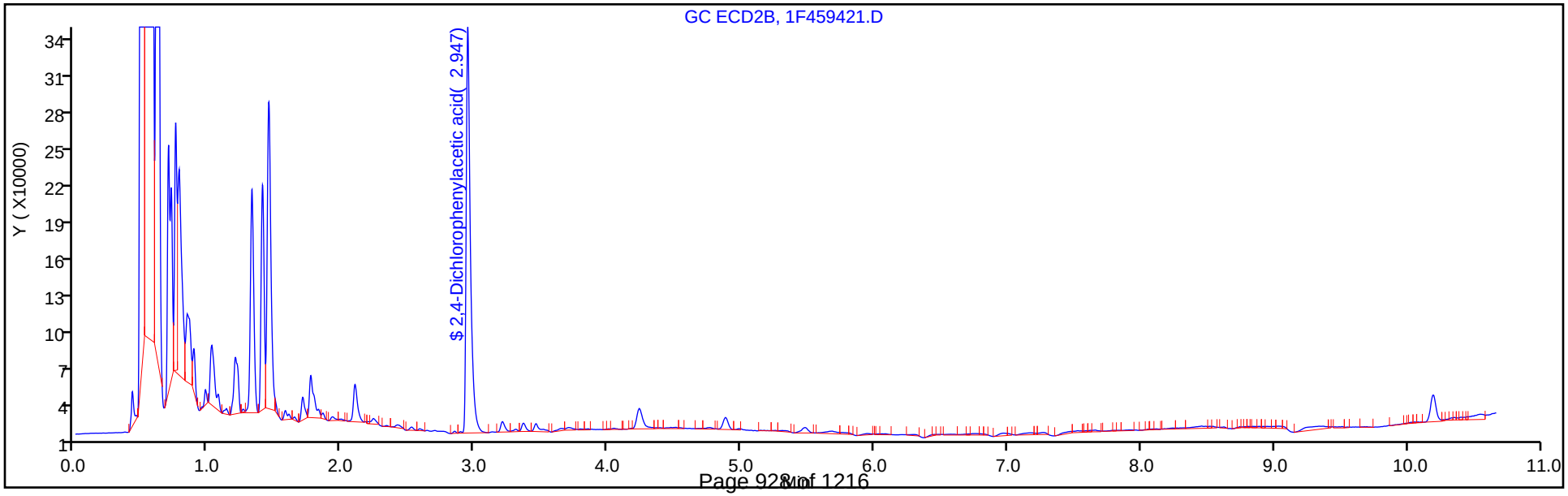
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D

Injection Date:	28-Dec-2019 14:30:28	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	460-199723-E-3-A	Lab Sample ID:	460-199723-3	Worklist Smp#:	19
Client ID:	Duplicate				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

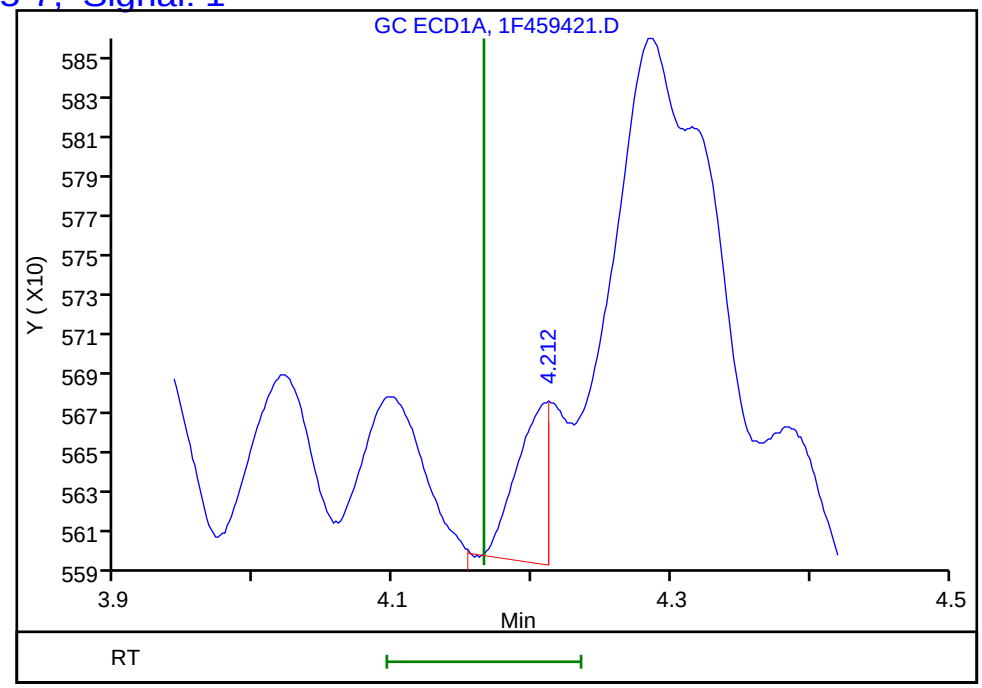
Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D

Injection Date:	28-Dec-2019 14:30:28	Instrument ID:	CPESTGC1
Lims ID:	460-199723-E-3-A	Lab Sample ID:	460-199723-3
Client ID:	Duplicate		
Operator ID:		ALS Bottle#:	39 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

8 2,4-D, CAS: 94-75-7, Signal: 1

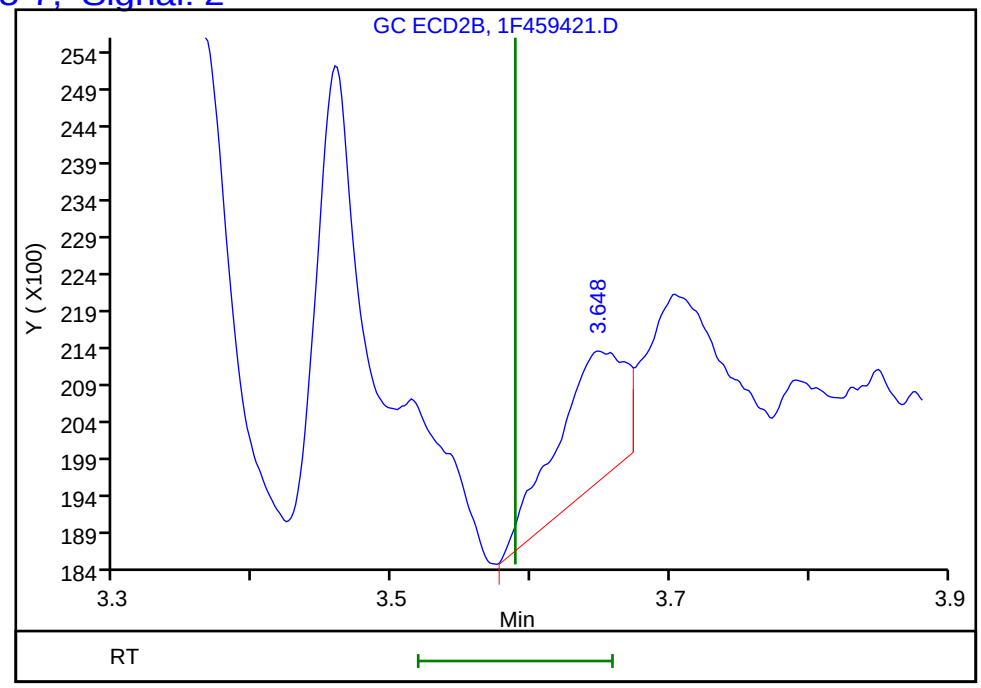
RT: 4.21
Response: 123
Amount: 0.742168



Column: DB-608 (0.53 mm) Detector GC ECD2B

8 2,4-D, CAS: 94-75-7, Signal: 2

RT: 3.65
Response: 6173
Amount: 11.800642



Reviewer: kapoors, 30-Dec-2019 07:37:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459421.D

Injection Date: 28-Dec-2019 14:30:28 Instrument ID: CPESTGC1

Lims ID: 460-199723-E-3-A Lab Sample ID: 460-199723-3

Client ID: Duplicate

Operator ID: ALS Bottle#: 39 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL

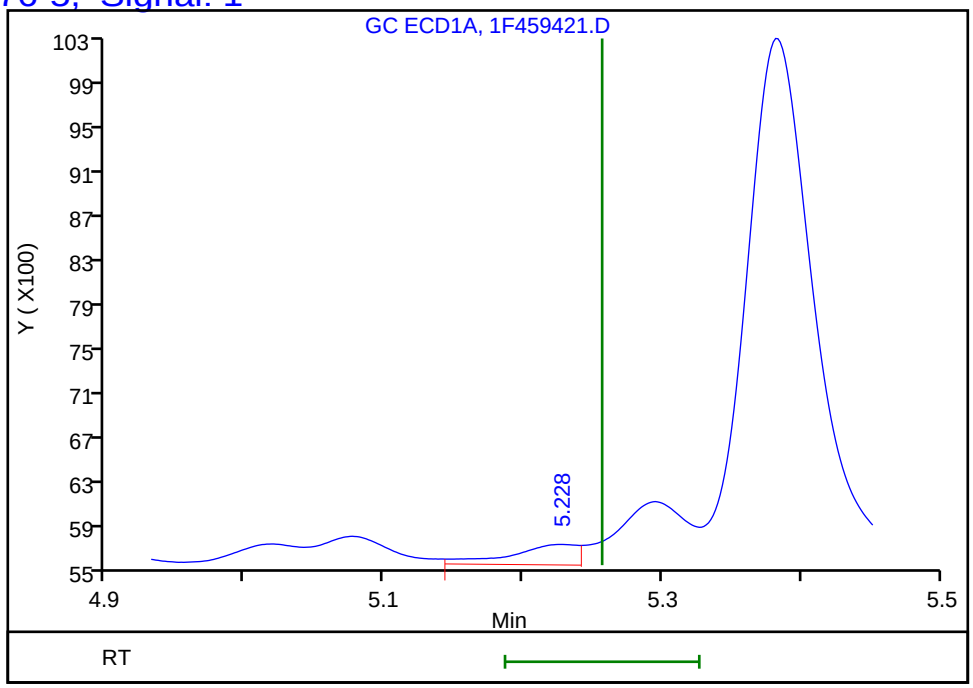
Column: DB-5 (0.53 mm) Detector GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

RT: 5.23

Response: 612

Amount: 1.043948



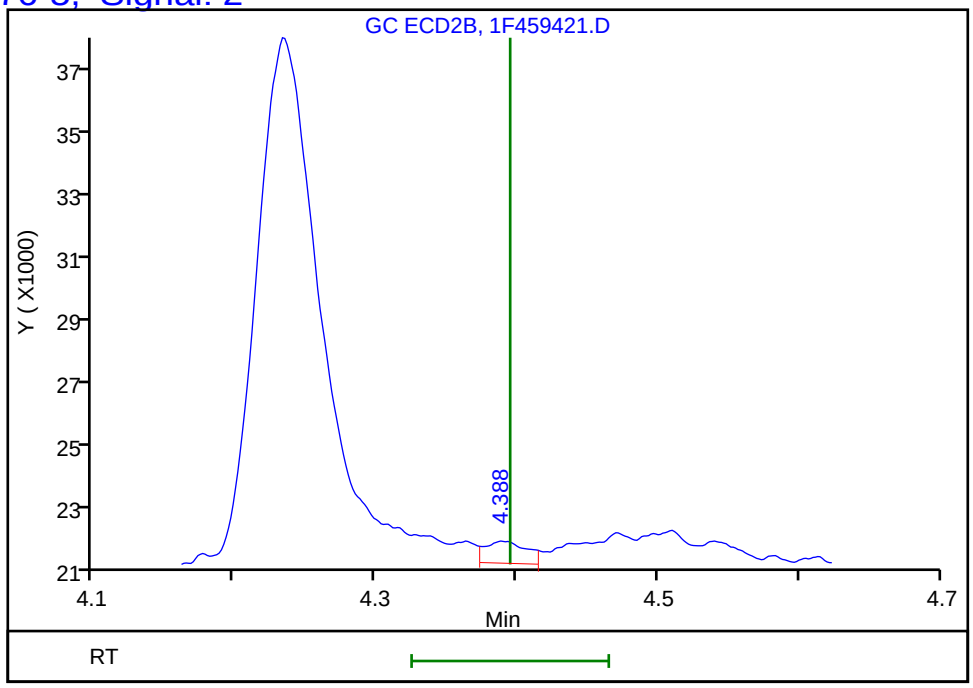
Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.39

Response: 1367

Amount: 0.585320



Reviewer: kapoors, 30-Dec-2019 07:37:33

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

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665151

SDG No.:

Instrument ID: CPESTGC1 GC Column: DB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2019 15:48 Calibration End Date: 12/26/2019 16:57 Calibration ID: 77916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-665151/6	1F459355.D
Level 2	IC 460-665151/7	1F459356.D
Level 3	IC 460-665151/5	1F459354.D
Level 4	IC 460-665151/4	1F459353.D
Level 5	IC 460-665151/3	1F459352.D
Level 6	IC 460-665151/2	1F459351.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	0.685	0.685	0.685	0.683	0.683	0.685					0.613 - 0.753	0.684
Dicamba	3.443	3.443	3.442	3.443	3.443	3.445					3.373 - 3.513	3.443
Mecoprop	3.528	3.527	3.527	3.527	3.527	3.528					3.457 - 3.597	3.527
MCPA	3.683	3.683	3.682	3.682	3.682	3.683					3.612 - 3.752	3.683
Dichlorprop	3.922	3.922	3.922	3.922	3.922	3.923					3.852 - 3.992	3.922
2,4-D	4.167	4.165	4.165	4.165	4.165	4.167					4.095 - 4.235	4.166
Pentachlorophenol	4.480	4.480	4.480	4.480	4.482	4.483					4.410 - 4.550	4.481
Silvex (2,4,5-TP)	4.890	4.890	4.890	4.890	4.890	4.892					4.820 - 4.960	4.890
2,4,5-T	5.257	5.257	5.257	5.257	5.258	5.260					5.187 - 5.327	5.258
2,4-DB	5.773	5.772	5.773	5.772	5.773	5.775					5.702 - 5.842	5.773
Dinoseb	6.090	6.090	6.090	6.090	6.092	6.093					6.020 - 6.160	6.091
Picloram	7.077	7.077	7.077	7.077	7.077	7.080					7.007 - 7.147	7.078
2,4-Dichlorophenylacetic acid	3.338	3.338	3.338	3.338	3.338	3.338					3.268 - 3.408	3.338

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665151

SDG No.:

Instrument ID: CPESTGC1 GC Column: DB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2019 15:48 Calibration End Date: 12/26/2019 16:57 Calibration ID: 77916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-665151/6	1F459355.D
Level 2	IC 460-665151/7	1F459356.D
Level 3	IC 460-665151/5	1F459354.D
Level 4	IC 460-665151/4	1F459353.D
Level 5	IC 460-665151/3	1F459352.D
Level 6	IC 460-665151/2	1F459351.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	349.10 205.93	305.16 192.69	282.93	226.17	Lin1	20868.8909	179.173091							0.9900		0.9900
Dicamba	638.00 449.24	586.39 424.31	550.38	481.19	Ave		521.586333				16.0		20.0			
Mecoprop	0.45388 0.63721	0.56589 0.62848	0.57511	0.59509	Ave		0.57594403				11.5		20.0			
MCPA	1.3951 1.0402	1.2804 1.0133	1.1929	0.99189	Ave		1.15228214				14.2		20.0			
Dichlorprop	227.52 159.10	204.83 150.29	190.45	159.91	Ave		182.015897				16.8		20.0			
2,4-D	211.02 141.07	187.70 131.77	174.94	147.89	Ave		165.730560				18.5		20.0			
Pentachlorophenol	2547.0 1915.6	2432.5 1871.3	2308.5	2087.0	Ave		2193.64746				12.7		20.0			
Silvex (2,4,5-TP)	888.94 625.76	827.25 601.97	776.07	695.32	Ave		735.883498				15.5		20.0			
2,4,5-T	732.54 488.25	669.31 458.02	620.50	548.79	Ave		586.235833				18.2		20.0			
2,4-DB	104.54 73.505	105.39 68.070	93.676	83.126	Ave		88.0512222				17.9		20.0			
Dinoseb	749.77 500.69	677.25 479.54	629.49	557.46	Ave		599.031353				17.6		20.0			
Picloram	768.85 583.76	738.47 545.27	700.95	649.92	Ave		664.537311				13.2		20.0			
2,4-Dichlorophenylacetic acid	168.72 106.59	148.79 98.306	138.36	116.57	Lin1	18410.4955	93.7583977							0.9920		0.9900

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665151

SDG No.:

Instrument ID: CPESTGC1 GC Column: DB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2019 15:48 Calibration End Date: 12/26/2019 16:57 Calibration ID: 77916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-665151/6	1F459355.D
Level 2	IC 460-665151/7	1F459356.D
Level 3	IC 460-665151/5	1F459354.D
Level 4	IC 460-665151/4	1F459353.D
Level 5	IC 460-665151/3	1F459352.D
Level 6	IC 460-665151/2	1F459351.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Lin1	34910 192691	61031	70733	113086	154447	100 1000	200	250	500	750
Dicamba	Ave	63800 424314	117278	137596	240595	336930	100 1000	200	250	500	750
Mecoprop	Ave	4496 62255	11211	14242	29474	47340	9906 99057	19811	24764	49528	74292
MCPA	Ave	13996 101652	25689	29917	49753	78263	10032 100320	20064	25080	50160	75240
Dichlorprop	Ave	22741 150213	40945	47589	79914	119263	100.0 1000	200	250	500	750
2,4-D	Ave	21302 133022	37896	44151	74648	106806	101 1010	202	252	505	757
Pentachlorophenol	Ave	127299 935278	243148	288446	521551	718062	50.0 500	100.0	125	250	375
Silvex (2,4,5-TP)	Ave	89783 607985	167105	195957	351135	474012	101 1010	202	253	505	758
2,4,5-T	Ave	73254 458019	133862	155126	274395	366189	100 1000	200	250	500	750
2,4-DB	Ave	10454 68070	21078	23419	41563	55129	100 1000	200	250	500	750
Dinoseb	Ave	75727 484338	136804	158945	281515	379269	101 1010	202	253	505	758
Picloram	Ave	36336 257696	69800	82817	153577	206913	47.3 473	94.5	118	236	354
2,4-Dichlorophenylacetic acid	Lin1	33743 196612	59517	69182	116574	159882	200 2000	400	500	1000	1500

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459351.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Dec-2019 15:48:53 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-002
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 06:53:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	192691	1000.0	959.0	
2	0.650	0.650	0.000	667047	1000.0	793.6	
						RPD = 18.87	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	196612	2000.0	1900.6	
2	2.948	2.948	0.000	723768	2000.0	1658.4	
						RPD = 13.61	
1 Dicamba							
1	3.445	3.443	0.002	424314	1000.0	813.5	
2	3.043	3.043	0.000	1441757	1000.0	835.4	
						RPD = 2.66	
9 MCPP							
1	3.528	3.527	0.001	62255	99057	108092	
2	3.167	3.167	0.000	149300	99057	108883	
						RPD = 0.73	
3 MCPA							
1	3.683	3.682	0.001	101652	100320	88218	
2	3.248	3.248	0.000	232756	100320	94387	
						RPD = 6.76	
5 Dichlorprop							
1	3.923	3.922	0.001	150213	999.5	825.3	
2	3.453	3.453	0.000	415766	999.5	795.9	
						RPD = 3.63	
8 2,4-D							
1	4.167	4.165	0.002	133022	1009.5	802.6	
2	3.588	3.588	0.000	421954	1009.5	806.6	
						RPD = 0.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.483	4.480	0.003	935278	499.8	426.4	
2	3.707	3.707	0.000	2548266	499.8	409.9	
						RPD = 3.94	
2 Silvex (2,4,5-TP)							
1	4.892	4.890	0.002	607985	1010.0	826.2	
2	4.170	4.168	0.002	2089516	1010.0	844.6	
						RPD = 2.20	
4 2,4,5-T							
1	5.260	5.257	0.003	458019	1000.0	781.3	
2	4.397	4.395	0.002	1891868	1000.0	810.1	
						RPD = 3.62	
6 2,4-DB							
1	5.775	5.772	0.003	68070	1000.0	773.1	
2	4.865	4.868	-0.003	368993	1000.0	890.1	
						RPD = 14.07	
13 Dinoseb							
1	6.093	6.090	0.003	484338	1010.0	808.5	
2	5.870	5.867	0.003	1503105	1010.0	867.7	
						RPD = 7.06	
7 Picloram							
1	7.080	7.077	0.003	257696	472.6	387.8	
2	5.680	5.680	0.000	1008977	472.6	421.6	
						RPD = 8.35	

Reagents:

SGHB MIX L5_00016 Amount Added: 1.00 Units: mL

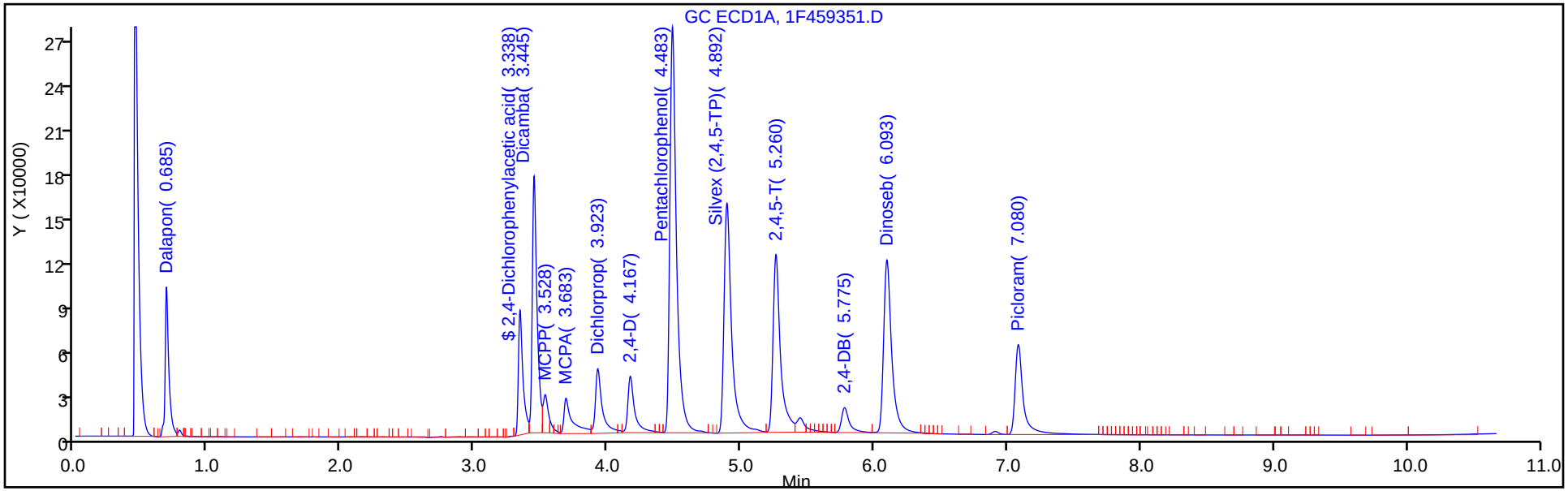
Report Date: 27-Dec-2019 07:42:54 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

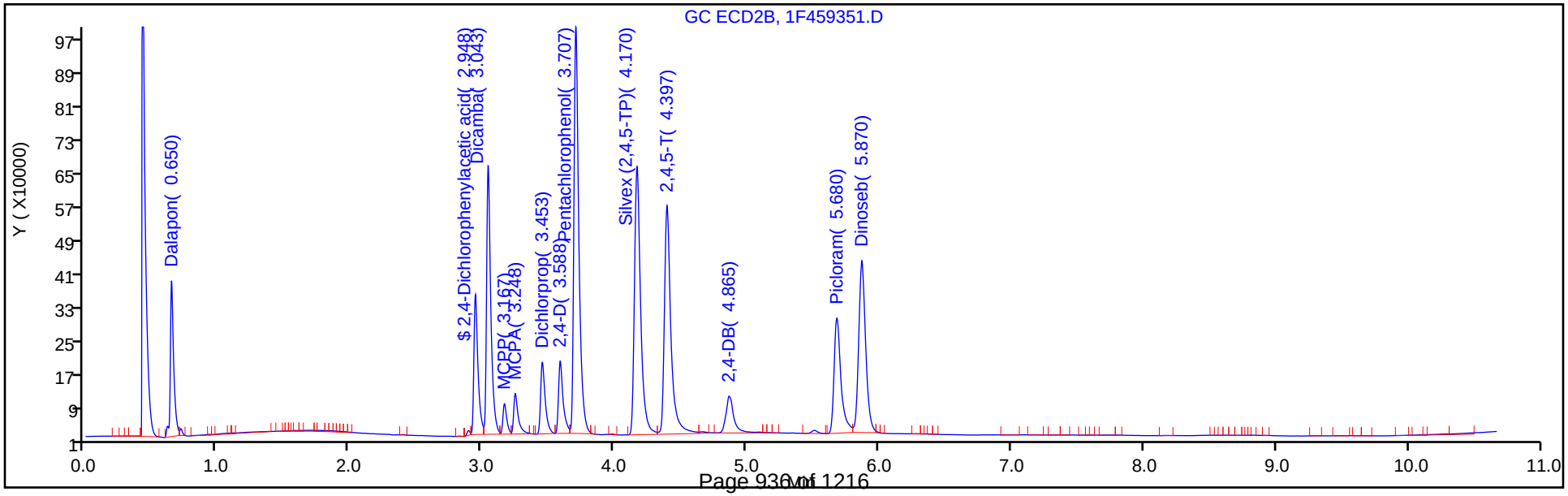
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459351.D

Injection Date:	26-Dec-2019 15:48:53	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459352.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Dec-2019 16:02:29 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-003
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:56 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	154447	750.0	745.5	
2	0.650	0.650	0.000	536988	750.0	638.9	
						RPD = 15.41	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	159882	1500.0	1508.9	
2	2.948	2.948	0.000	568209	1500.0	1302.0	
						RPD = 14.72	
1 Dicamba							
1	3.443	3.443	0.000	336930	750.0	646.0	
2	3.045	3.043	0.002	1113911	750.0	645.5	
						RPD = 0.08	
9 MCPP							
1	3.527	3.527	0.000	47340	74292	82195	
2	3.167	3.167	0.000	107538	74292	78426	
						RPD = 4.69	
3 MCPA							
1	3.682	3.682	0.000	78263	75240	67920	
2	3.248	3.248	0.000	168862	75240	68477	
						RPD = 0.82	
5 Dichlorprop							
1	3.922	3.922	0.000	119263	749.6	655.2	
2	3.453	3.453	0.000	320202	749.6	612.9	
						RPD = 6.67	
8 2,4-D							
1	4.165	4.165	0.000	106806	757.1	644.5	
2	3.588	3.588	0.000	324087	757.1	619.5	
						RPD = 3.94	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.482	4.480	0.002	718062	374.9	327.3	
2	3.707	3.707	0.000	1941979	374.9	312.4	
						RPD = 4.68	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	474012	757.5	644.1	
2	4.170	4.168	0.002	1567155	757.5	633.4	
						RPD = 1.68	
4 2,4,5-T							
1	5.258	5.257	0.001	366189	750.0	624.6	
2	4.395	4.395	0.000	1425082	750.0	610.2	
						RPD = 2.34	
6 2,4-DB							
1	5.773	5.772	0.001	55129	750.0	626.1	
2	4.868	4.868	0.000	272716	750.0	657.9	
						RPD = 4.95	
13 Dinoseb							
1	6.092	6.090	0.002	379269	757.5	633.1	
2	5.868	5.867	0.001	1157590	757.5	668.2	
						RPD = 5.39	
7 Picloram							
1	7.077	7.077	0.000	206913	354.5	311.4	
2	5.680	5.680	0.000	792576	354.5	331.1	
						RPD = 6.16	

Reagents:

SGHB MIX L4_00016 Amount Added: 1.00 Units: mL

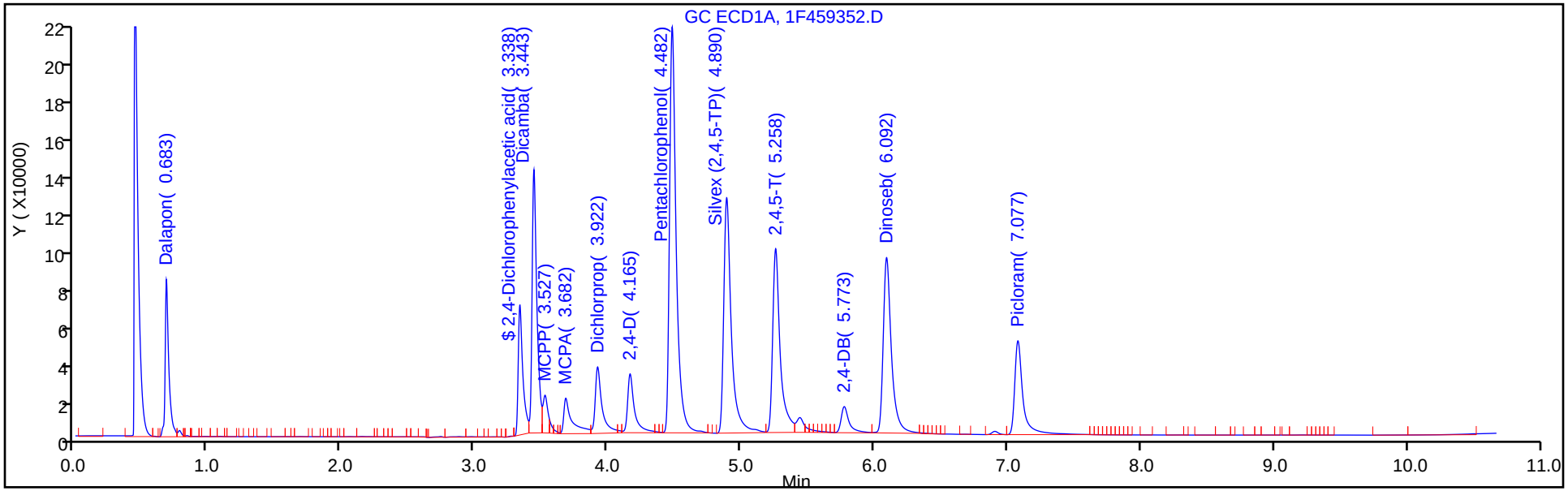
Report Date: 27-Dec-2019 07:42:56 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

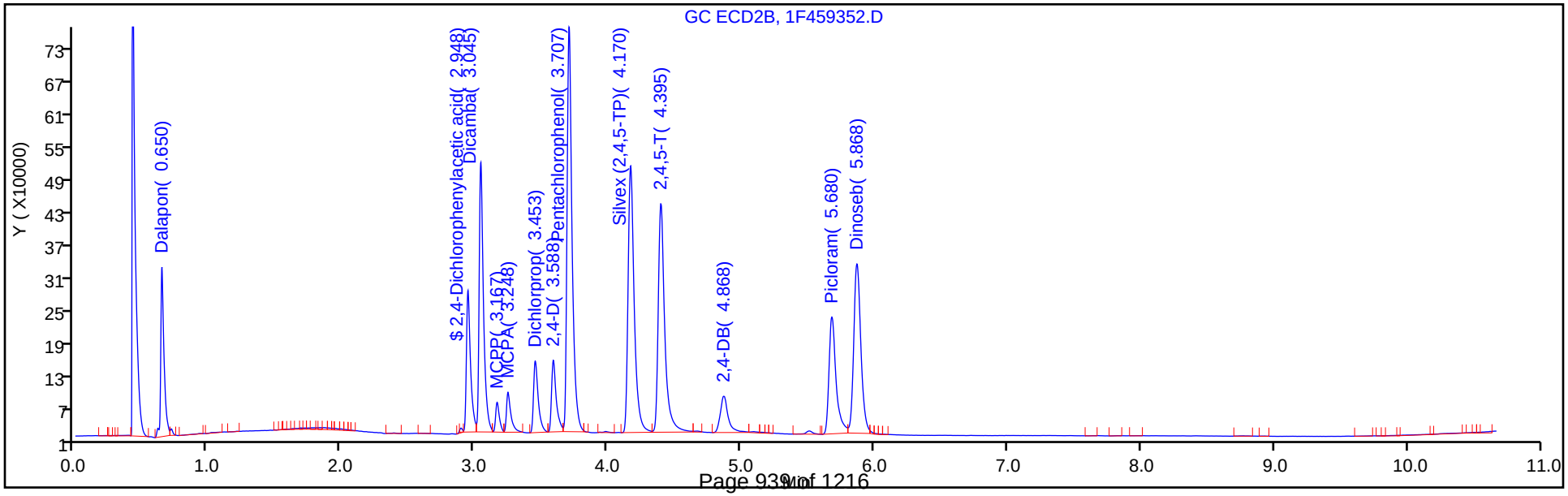
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459352.D

Injection Date:	26-Dec-2019 16:02:29	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L4			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459353.D
Lims ID: IC L3
Client ID:
Sample Type: ICRT Calib Level: 3
Inject. Date: 26-Dec-2019 16:16:19 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-004
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:57 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	113086	500.0	514.7	
2	0.650	0.650	0.000	380464	500.0	452.6	
						RPD = 12.83	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	116574	1000.0	1047.0	
2	2.948	2.948	0.000	401832	1000.0	920.7	
						RPD = 12.83	
1 Dicamba							
1	3.443	3.443	0.000	240595	500.0	461.3	
2	3.043	3.043	0.000	801337	500.0	464.3	
						RPD = 0.66	
9 MCPP							
1	3.527	3.527	0.000	29474	49528	51175	
2	3.167	3.167	0.000	68650	49528	50066	
						RPD = 2.19	
3 MCPA							
1	3.682	3.682	0.000	49753	50160	43178	
2	3.248	3.248	0.000	117574	50160	47678	
						RPD = 9.91	
5 Dichlorprop							
1	3.922	3.922	0.000	79914	499.8	439.0	
2	3.453	3.453	0.000	237703	499.8	455.0	
						RPD = 3.57	
8 2,4-D							
1	4.165	4.165	0.000	74648	504.8	450.4	
2	3.588	3.588	0.000	241471	504.8	461.6	
						RPD = 2.45	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	521551	249.9	237.8	
2	3.707	3.707	0.000	1470457	249.9	236.5	
						RPD = 0.52	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	351135	505.0	477.2	
2	4.168	4.168	0.000	1194486	505.0	482.8	
						RPD = 1.17	
4 2,4,5-T							
1	5.257	5.257	0.000	274395	500.0	468.1	
2	4.395	4.395	0.000	1113493	500.0	476.8	
						RPD = 1.84	
6 2,4-DB							
1	5.772	5.772	0.000	41563	500.0	472.0	
2	4.868	4.868	0.000	230693	500.0	556.5	
						RPD = 16.42	
13 Dinoseb							
1	6.090	6.090	0.000	281515	505.0	470.0	
2	5.867	5.867	0.000	842534	505.0	486.4	
						RPD = 3.43	
7 Picloram							
1	7.077	7.077	0.000	153577	236.3	231.1	
2	5.680	5.680	0.000	572790	236.3	239.3	
						RPD = 3.49	

Reagents:

SGHB MIX L3_00017 Amount Added: 1.00 Units: mL

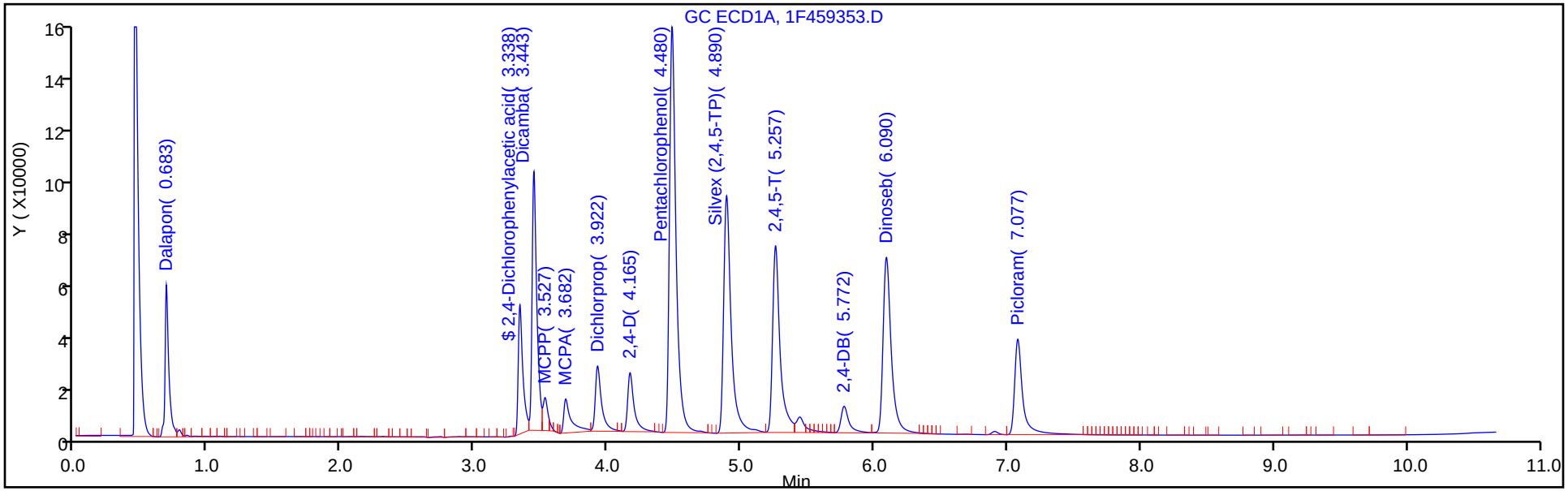
Report Date: 27-Dec-2019 07:42:57 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

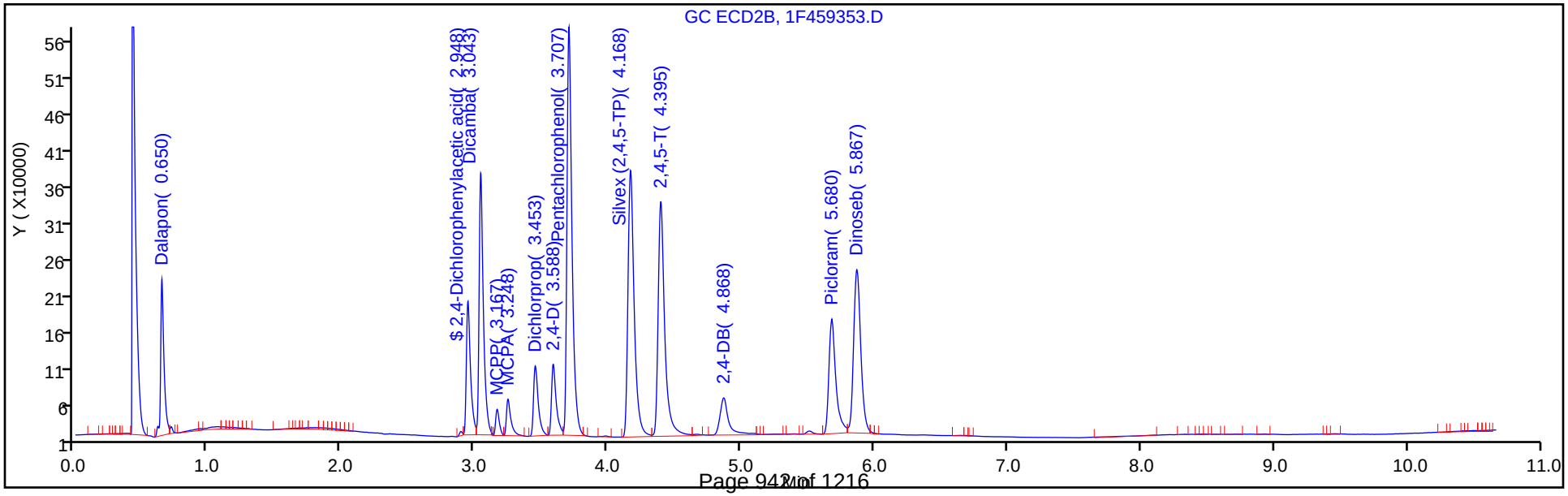
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459353.D

Injection Date:	26-Dec-2019 16:16:19	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459354.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Dec-2019 16:30:01 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-005
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:59 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 07:01:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	70733	250.0	278.3	
2	0.650	0.650	0.000	217725	250.0	259.0	
						RPD = 7.17	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	69182	500.0	541.5	
2	2.948	2.948	0.000	231625	500.0	530.7	
						RPD = 2.01	
1 Dicamba							
1	3.442	3.443	-0.001	137596	250.0	263.8	
2	3.043	3.043	0.000	465721	250.0	269.9	
						RPD = 2.27	
9 MCPP							M
1	3.527	3.527	0.000	14242	24764	24728	
2	3.167	3.167	0.000	33476	24764	24414	M
						RPD = 1.28	
3 MCPA							
1	3.682	3.682	0.000	29917	25080	25963	
2	3.248	3.248	0.000	65013	25080	26364	
						RPD = 1.53	
5 Dichlorprop							
1	3.922	3.922	0.000	47589	249.9	261.5	
2	3.455	3.453	0.002	145456	249.9	278.4	
						RPD = 6.29	
8 2,4-D							
1	4.165	4.165	0.000	44151	252.4	266.4	
2	3.588	3.588	0.000	142492	252.4	272.4	
						RPD = 2.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	288446	125.0	131.5	
2	3.707	3.707	0.000	817017	125.0	131.4	
						RPD = 0.05	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	195957	252.5	266.3	
2	4.167	4.168	-0.001	651594	252.5	263.4	
						RPD = 1.10	
4 2,4,5-T							
1	5.257	5.257	0.000	155126	250.0	264.6	
2	4.395	4.395	0.000	605897	250.0	259.4	
						RPD = 1.98	
6 2,4-DB							M
1	5.773	5.772	0.001	23419	250.0	266.0	
2	4.868	4.868	0.000	99765	250.0	240.7	M
						RPD = 9.99	
13 Dinoseb							
1	6.090	6.090	0.000	158945	252.5	265.3	
2	5.868	5.867	0.001	463383	252.5	267.5	
						RPD = 0.81	
7 Picloram							
1	7.077	7.077	0.000	82817	118.2	124.6	
2	5.680	5.680	0.000	298381	118.2	124.7	
						RPD = 0.03	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L2_00016 Amount Added: 1.00 Units: mL

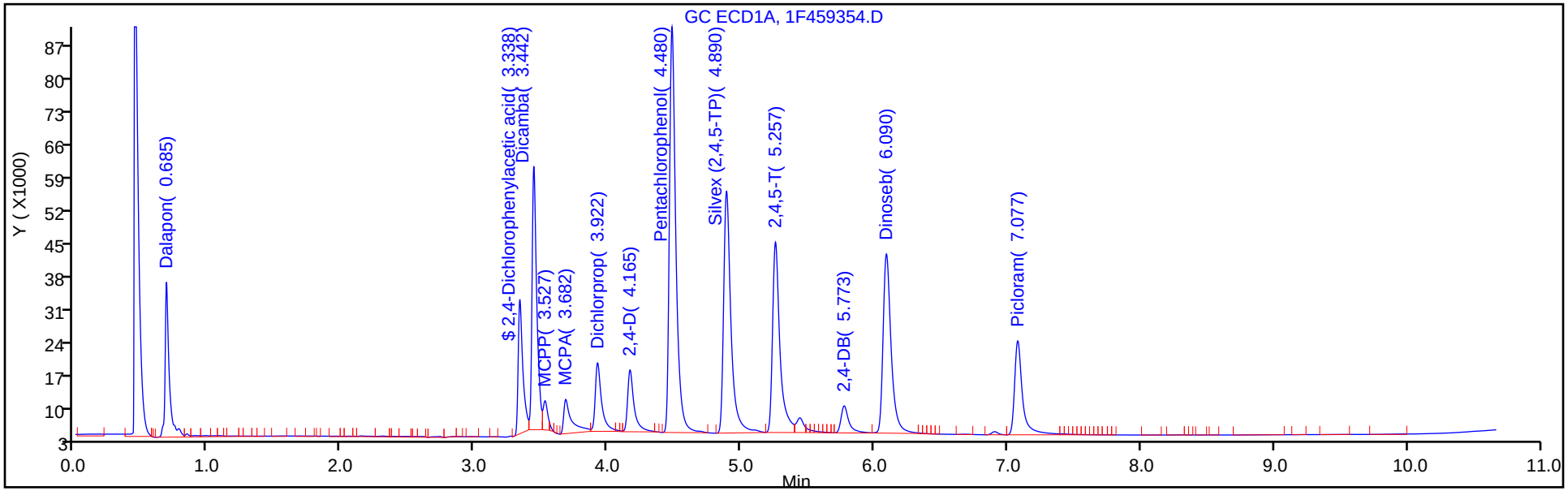
Report Date: 27-Dec-2019 07:42:59 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

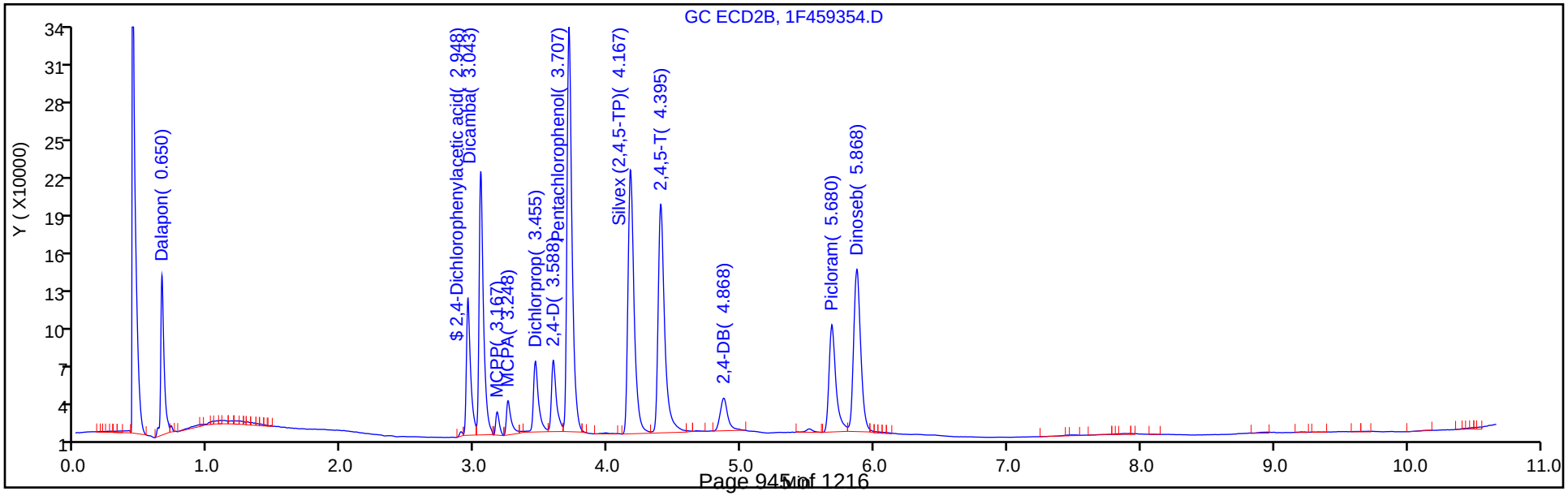
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459354.D

Injection Date:	26-Dec-2019 16:30:01	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459355.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Dec-2019 16:43:54 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-006
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:43:01 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 07:01:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	34910	100.0	78.4	
2	0.652	0.650	0.002	108023	100.0	128.5	
						RPD = 48.48	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	33743	200.0	163.5	
2	2.948	2.948	0.000	105548	200.0	241.8	
						RPD = 38.64	
1 Dicamba							
1	3.443	3.443	0.000	63800	100.0	122.3	
2	3.045	3.043	0.002	206610	100.0	119.7	
						RPD = 2.15	
9 MCPP							
1	3.528	3.527	0.001	4496	9905.7	7806.3	
2	3.168	3.167	0.001	11696	9905.7	8529.8	
						RPD = 8.86	
3 MCPA							
1	3.683	3.682	0.001	13996	10032	12146	
2	3.250	3.248	0.002	25649	10032	10401	
						RPD = 15.48	
5 Dichlorprop							
1	3.922	3.922	0.000	22741	100.0	124.9	
2	3.455	3.453	0.002	67367	100.0	129.0	
						RPD = 3.16	
8 2,4-D							
1	4.167	4.165	0.002	21302	101.0	128.5	
2	3.590	3.588	0.002	68485	101.0	130.9	
						RPD = 1.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	127299	50.0	58.0	
2	3.707	3.707	0.000	384609	50.0	61.9	
						RPD = 6.40	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	89783	101.0	122.0	
2	4.170	4.168	0.002	308678	101.0	124.8	
						RPD = 2.23	
4 2,4,5-T							
1	5.257	5.257	0.000	73254	100.0	125.0	
2	4.397	4.395	0.002	301327	100.0	129.0	
						RPD = 3.20	
6 2,4-DB							M
1	5.773	5.772	0.001	10454	100.0	118.7	M
2	4.868	4.868	0.000	50287	100.0	121.3	
						RPD = 2.15	
13 Dinoseb							
1	6.090	6.090	0.000	75727	101.0	126.4	
2	5.867	5.867	0.000	204337	101.0	118.0	
						RPD = 6.92	
7 Picloram							
1	7.077	7.077	0.000	36336	47.3	54.7	
2	5.680	5.680	0.000	122363	47.3	51.1	
						RPD = 6.72	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L1_00015 Amount Added: 1.00 Units: mL

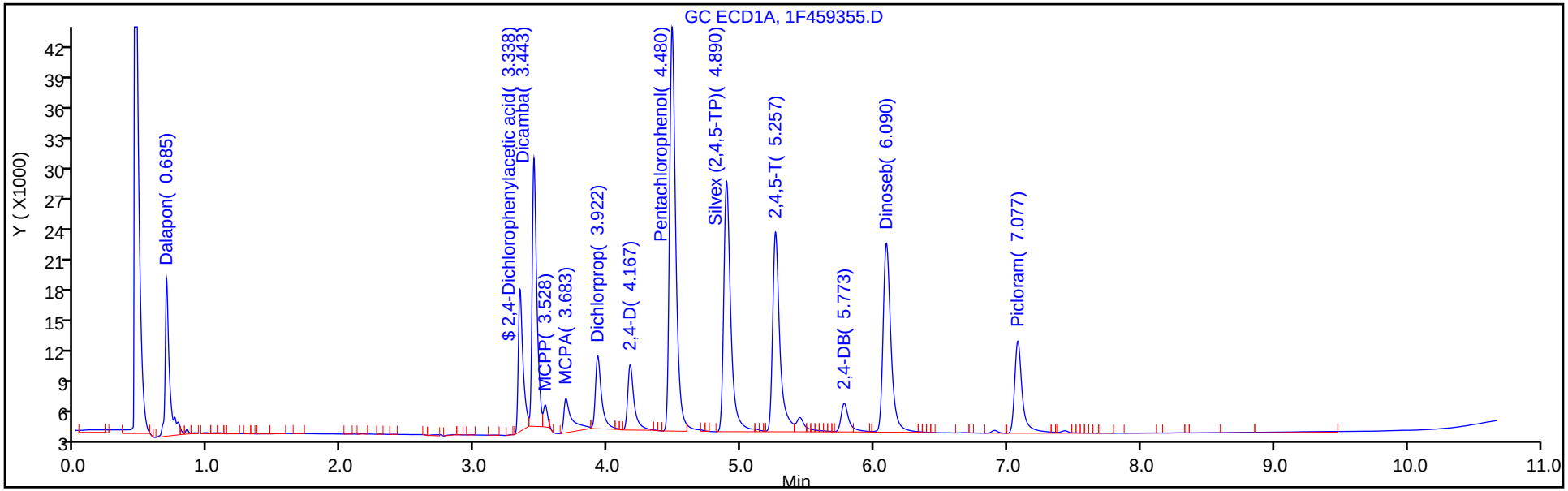
Report Date: 27-Dec-2019 07:43:02 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

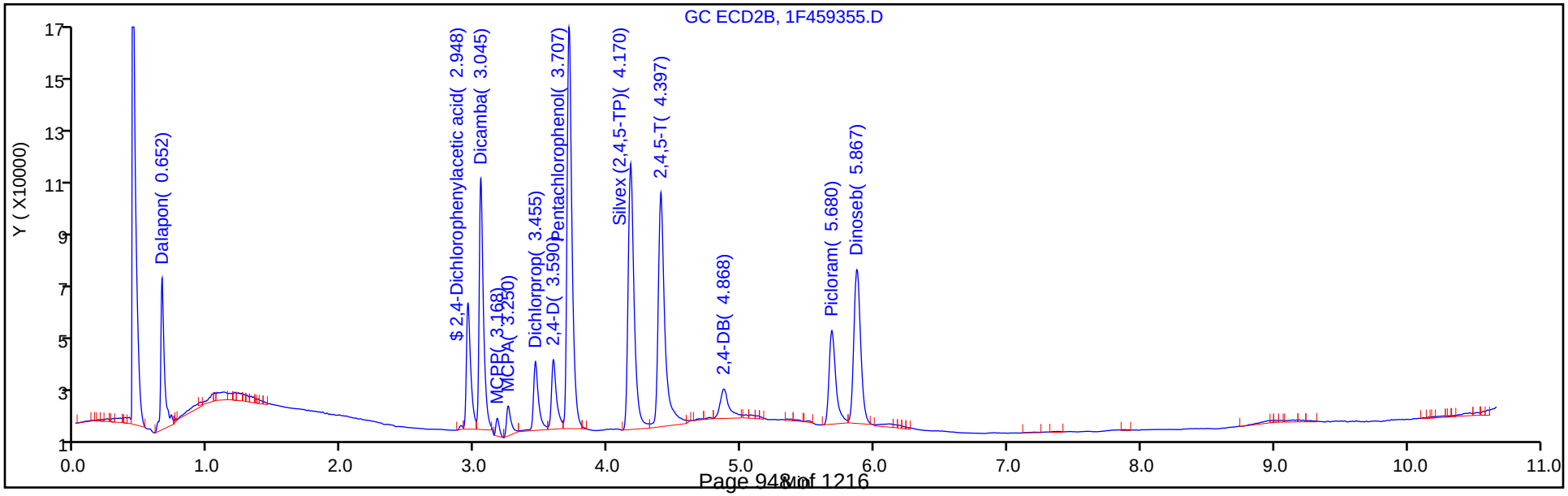
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459355.D

Injection Date:	26-Dec-2019 16:43:54	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L1			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

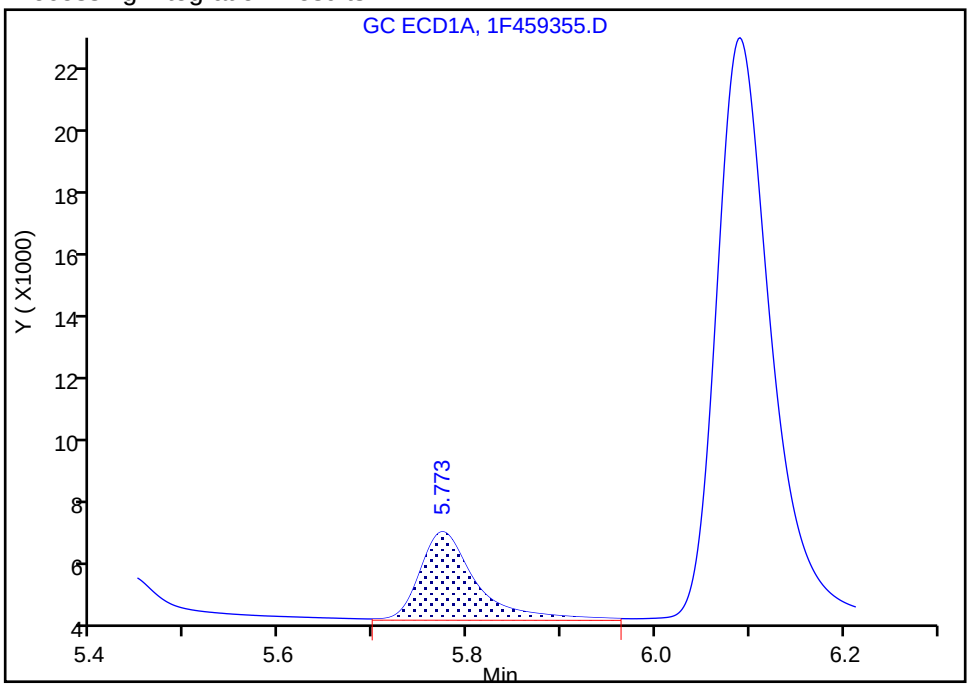
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459355.D
Injection Date: 26-Dec-2019 16:43:54 Instrument ID: CPESTGC1
Lims ID: IC L1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

6 2,4-DB, CAS: 94-82-6

Signal: 1

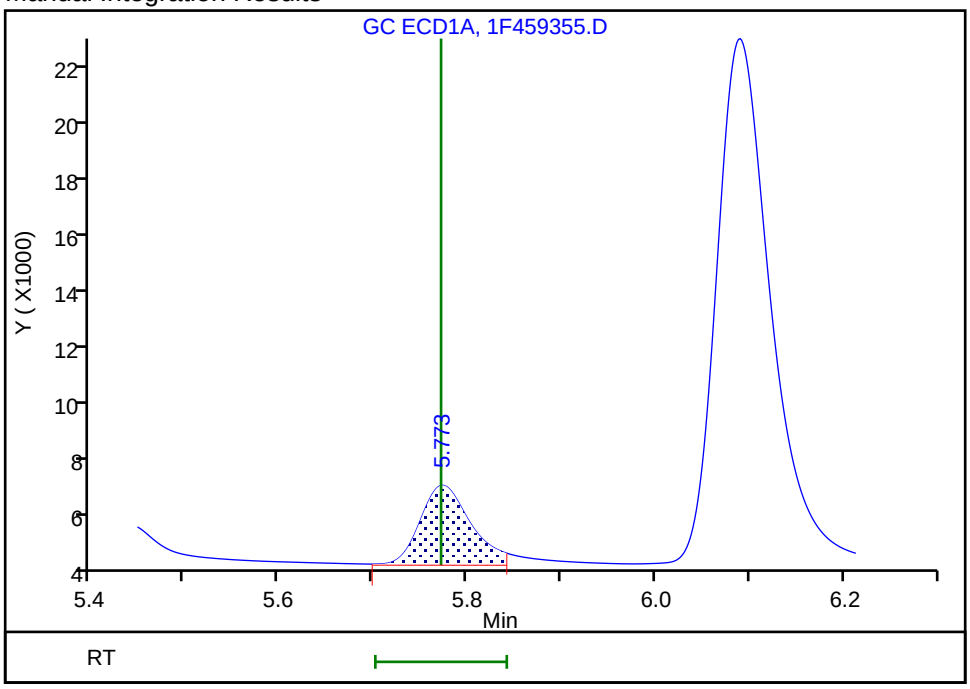
Processing Integration Results

RT: 5.77
Area: 11665
Amount: 60.936105
Amount Units: ug/l



Manual Integration Results

RT: 5.77
Area: 10454
Amount: 118.7263
Amount Units: ug/l



Reviewer: kapoors, 27-Dec-2019 07:00:58
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 26-Dec-2019 16:57:34 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-007
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:43:04 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 07:02:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	61031	200.0	224.2	
2	0.650	0.650	0.000	189617	200.0	225.6	
						RPD = 0.64	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	59517	400.0	438.4	
2	2.948	2.948	0.000	194005	400.0	444.5	
						RPD = 1.38	
1 Dicamba							
1	3.443	3.443	0.000	117278	200.0	224.8	
2	3.045	3.043	0.002	379202	200.0	219.7	
						RPD = 2.30	
9 MCPP							
1	3.527	3.527	0.000	11211	19811	19465	
2	3.168	3.167	0.001	26822	19811	19561	
						RPD = 0.49	
3 MCPA							
1	3.683	3.682	0.001	25689	20064	22294	
2	3.250	3.248	0.002	54945	20064	22281	
						RPD = 0.06	
5 Dichlorprop							
1	3.922	3.922	0.000	40945	199.9	225.0	
2	3.455	3.453	0.002	111854	199.9	214.1	
						RPD = 4.94	
8 2,4-D							
1	4.165	4.165	0.000	37896	201.9	228.7	
2	3.590	3.588	0.002	115326	201.9	220.5	
						RPD = 3.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	243148	100.0	110.8	
2	3.707	3.707	0.000	690075	100.0	111.0	
						RPD = 0.14	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	167105	202.0	227.1	
2	4.170	4.168	0.002	546375	202.0	220.8	
						RPD = 2.79	
4 2,4,5-T							
1	5.257	5.257	0.000	133862	200.0	228.3	
2	4.397	4.395	0.002	511404	200.0	219.0	
						RPD = 4.19	
6 2,4-DB							M
1	5.772	5.772	0.000	21078	200.0	239.4	
2	4.868	4.868	0.000	78270	200.0	188.8	M
						RPD = 23.62	
13 Dinoseb							
1	6.090	6.090	0.000	136804	202.0	228.4	
2	5.870	5.867	0.003	373869	202.0	215.8	
						RPD = 5.65	
7 Picloram							
1	7.077	7.077	0.000	69800	94.5	105.0	
2	5.678	5.680	-0.002	231666	94.5	96.8	
						RPD = 8.17	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L6_00001 Amount Added: 1.00 Units: mL

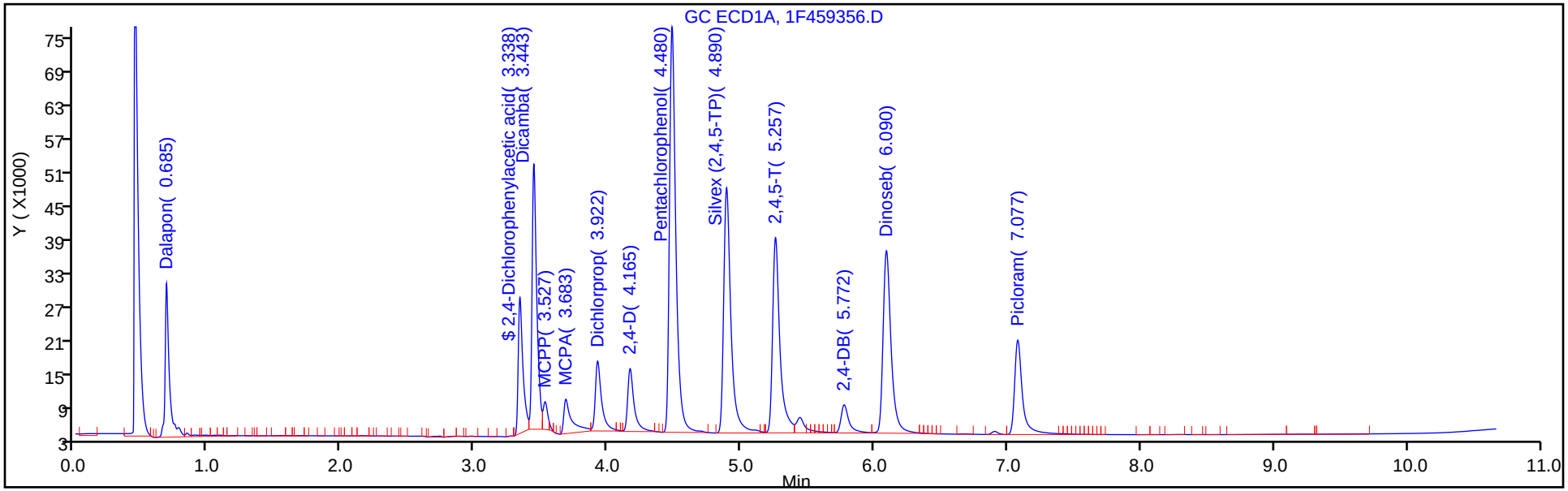
Report Date: 27-Dec-2019 07:43:04 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

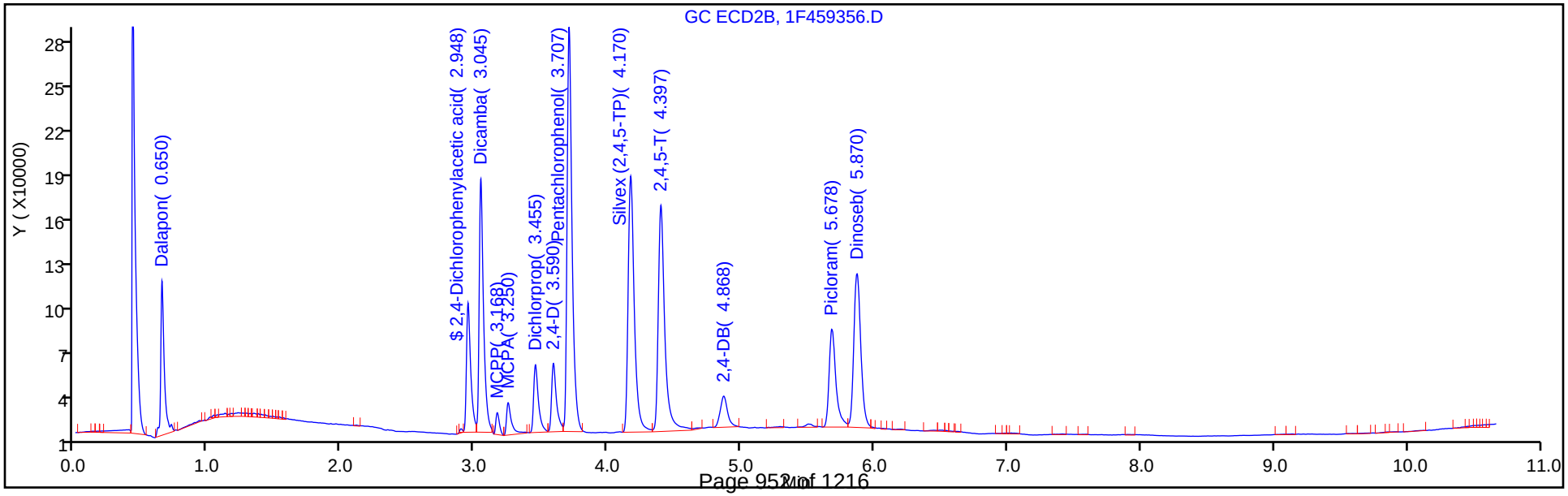
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Injection Date:	26-Dec-2019 16:57:34	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665151

SDG No.:

Instrument ID: CPESTGC1 GC Column: DB-608 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2019 15:48 Calibration End Date: 12/26/2019 16:57 Calibration ID: 77917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-665151/6	1F459355.D
Level 2	IC 460-665151/7	1F459356.D
Level 3	IC 460-665151/5	1F459354.D
Level 4	IC 460-665151/4	1F459353.D
Level 5	IC 460-665151/3	1F459352.D
Level 6	IC 460-665151/2	1F459351.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	0.652	0.650	0.650	0.650	0.650	0.650					0.580 - 0.720	0.650
Dicamba	3.045	3.045	3.043	3.043	3.045	3.043					2.973 - 3.113	3.044
Mecoprop	3.168	3.168	3.167	3.167	3.167	3.167					3.097 - 3.237	3.167
MCPA	3.250	3.250	3.248	3.248	3.248	3.248					3.178 - 3.318	3.249
Dichlorprop	3.455	3.455	3.455	3.453	3.453	3.453					3.383 - 3.523	3.454
2,4-D	3.590	3.590	3.588	3.588	3.588	3.588					3.518 - 3.658	3.589
Pentachlorophenol	3.707	3.707	3.707	3.707	3.707	3.707					3.637 - 3.777	3.707
Silvex (2,4,5-TP)	4.170	4.170	4.167	4.168	4.170	4.170					4.098 - 4.238	4.169
2,4,5-T	4.397	4.397	4.395	4.395	4.395	4.397					4.325 - 4.465	4.396
2,4-DB	4.868	4.868	4.868	4.868	4.868	4.865					4.798 - 4.938	4.868
Picloram	5.680	5.678	5.680	5.680	5.680	5.680					5.610 - 5.750	5.680
Dinoseb	5.867	5.870	5.868	5.867	5.868	5.870					5.797 - 5.937	5.868
2,4-Dichlorophenylacetic acid	2.948	2.948	2.948	2.948	2.948	2.948					2.878 - 3.018	2.948

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665151

SDG No.:

Instrument ID: CPESTGC1 GC Column: DB-608 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2019 15:48 Calibration End Date: 12/26/2019 16:57 Calibration ID: 77917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-665151/6	1F459355.D
Level 2	IC 460-665151/7	1F459356.D
Level 3	IC 460-665151/5	1F459354.D
Level 4	IC 460-665151/4	1F459353.D
Level 5	IC 460-665151/3	1F459352.D
Level 6	IC 460-665151/2	1F459351.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	1080.2 715.98	948.09 667.05	870.90	760.93	Ave		840.529000				18.6		20.0			
Dicamba	2066.1 1485.2	1896.0 1441.8	1862.9	1602.7	Ave		1725.77328				14.6		20.0			
Mecoprop	1.1807 1.4475	1.3539 1.5072	1.3518	1.3861	Ave		1.37120061				8.1		20.0			
MCPA	2.5567 2.2443	2.7385 2.3201	2.5922	2.3440	Ave		2.46597610				7.8		20.0			
Dichlorprop	674.01 427.15	559.55 415.97	582.12	475.64	Ave		522.406537				19.2		20.0			
2,4-D	678.41 428.05	571.20 417.98	564.60	478.40	Ave		523.107149				19.2		20.0			
Pentachlorophenol	7695.3 5180.7	6903.5 5098.6	6538.8	5884.2	Ave		6216.82617				16.4		20.0			
Silvex (2,4,5-TP)	3056.2 2068.9	2704.8 2068.8	2580.6	2365.3	Ave		2474.10215				15.6		20.0			
2,4,5-T	3013.3 1900.1	2557.0 1891.9	2423.6	2227.0	Ave		2335.47356				18.3		20.0			
2,4-DB	502.87 363.62	391.35 368.99	399.06	461.39	Ave		414.546722				13.4		20.0			
Picloram	2589.1 2236.1	2451.0 2134.9	2525.4	2424.0	Ave		2393.42961				7.3		20.0			
Dinoseb	2023.1 1528.2	1850.8 1488.2	1835.2	1668.4	Ave		1732.32233				12.0		20.0			
2,4-Dichlorophenylacetic acid	527.74 378.81	485.01 361.88	463.25	401.83	Ave		436.420750				15.0		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1 Analy Batch No.: 665151

SDG No.:

Instrument ID: CPESTGC1 GC Column: DB-608 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2019 15:48 Calibration End Date: 12/26/2019 16:57 Calibration ID: 77917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-665151/6	1F459355.D
Level 2	IC 460-665151/7	1F459356.D
Level 3	IC 460-665151/5	1F459354.D
Level 4	IC 460-665151/4	1F459353.D
Level 5	IC 460-665151/3	1F459352.D
Level 6	IC 460-665151/2	1F459351.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	108023 667047	189617	217725	380464	536988	100 1000	200	250	500	750
Dicamba	Ave	206610 1441757	379202	465721	801337	1113911	100 1000	200	250	500	750
Mecoprop	Ave	11696 149300	26822	33476	68650	107538	9906 99057	19811	24764	49528	74292
MCPA	Ave	25649 232756	54945	65013	117574	168862	10032 100320	20064	25080	50160	75240
Dichlorprop	Ave	67367 415766	111854	145456	237703	320202	100.0 1000	200	250	500	750
2,4-D	Ave	68485 421954	115326	142492	241471	324087	101 1010	202	252	505	757
Pentachlorophenol	Ave	384609 2548266	690075	817017	1470457	1941979	50.0 500	100.0	125	250	375
Silvex (2,4,5-TP)	Ave	308678 2089516	546375	651594	1194486	1567155	101 1010	202	253	505	758
2,4,5-T	Ave	301327 1891868	511404	605897	1113493	1425082	100 1000	200	250	500	750
2,4-DB	Ave	50287 368993	78270	99765	230693	272716	100 1000	200	250	500	750
Picloram	Ave	122363 1008977	231666	298381	572790	792576	47.3 473	94.5	118	236	354
Dinoseb	Ave	204337 1503105	373869	463383	842534	1157590	101 1010	202	253	505	758
2,4-Dichlorophenylacetic acid	Ave	105548 723768	194005	231625	401832	568209	200 2000	400	500	1000	1500

Curve Type Legend:
Ave = Average

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459351.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Dec-2019 15:48:53 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-002
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 06:53:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	192691	1000.0	959.0	
2	0.650	0.650	0.000	667047	1000.0	793.6	
						RPD = 18.87	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	196612	2000.0	1900.6	
2	2.948	2.948	0.000	723768	2000.0	1658.4	
						RPD = 13.61	
1 Dicamba							
1	3.445	3.443	0.002	424314	1000.0	813.5	
2	3.043	3.043	0.000	1441757	1000.0	835.4	
						RPD = 2.66	
9 MCPP							
1	3.528	3.527	0.001	62255	99057	108092	
2	3.167	3.167	0.000	149300	99057	108883	
						RPD = 0.73	
3 MCPA							
1	3.683	3.682	0.001	101652	100320	88218	
2	3.248	3.248	0.000	232756	100320	94387	
						RPD = 6.76	
5 Dichlorprop							
1	3.923	3.922	0.001	150213	999.5	825.3	
2	3.453	3.453	0.000	415766	999.5	795.9	
						RPD = 3.63	
8 2,4-D							
1	4.167	4.165	0.002	133022	1009.5	802.6	
2	3.588	3.588	0.000	421954	1009.5	806.6	
						RPD = 0.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.483	4.480	0.003	935278	499.8	426.4	
2	3.707	3.707	0.000	2548266	499.8	409.9	
						RPD = 3.94	
2 Silvex (2,4,5-TP)							
1	4.892	4.890	0.002	607985	1010.0	826.2	
2	4.170	4.168	0.002	2089516	1010.0	844.6	
						RPD = 2.20	
4 2,4,5-T							
1	5.260	5.257	0.003	458019	1000.0	781.3	
2	4.397	4.395	0.002	1891868	1000.0	810.1	
						RPD = 3.62	
6 2,4-DB							
1	5.775	5.772	0.003	68070	1000.0	773.1	
2	4.865	4.868	-0.003	368993	1000.0	890.1	
						RPD = 14.07	
13 Dinoseb							
1	6.093	6.090	0.003	484338	1010.0	808.5	
2	5.870	5.867	0.003	1503105	1010.0	867.7	
						RPD = 7.06	
7 Picloram							
1	7.080	7.077	0.003	257696	472.6	387.8	
2	5.680	5.680	0.000	1008977	472.6	421.6	
						RPD = 8.35	

Reagents:

SGHB MIX L5_00016 Amount Added: 1.00 Units: mL

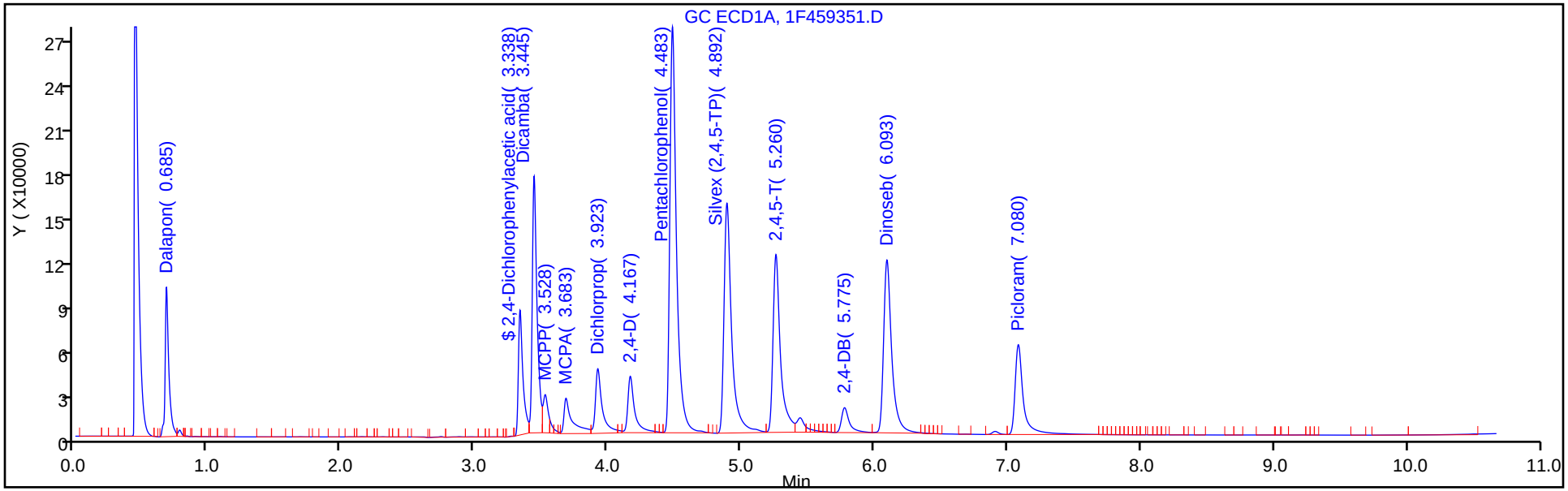
Report Date: 27-Dec-2019 07:42:54 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

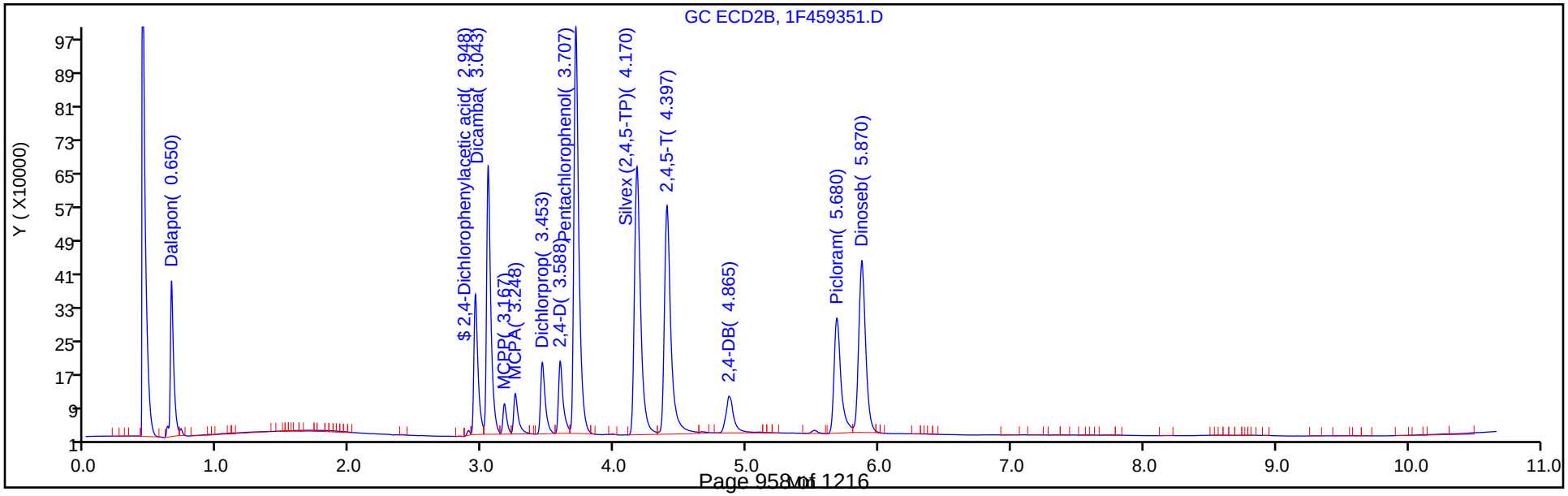
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459351.D

Injection Date:	26-Dec-2019 15:48:53	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459352.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Dec-2019 16:02:29 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-003
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:56 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	154447	750.0	745.5	
2	0.650	0.650	0.000	536988	750.0	638.9	
						RPD = 15.41	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	159882	1500.0	1508.9	
2	2.948	2.948	0.000	568209	1500.0	1302.0	
						RPD = 14.72	
1 Dicamba							
1	3.443	3.443	0.000	336930	750.0	646.0	
2	3.045	3.043	0.002	1113911	750.0	645.5	
						RPD = 0.08	
9 MCPP							
1	3.527	3.527	0.000	47340	74292	82195	
2	3.167	3.167	0.000	107538	74292	78426	
						RPD = 4.69	
3 MCPA							
1	3.682	3.682	0.000	78263	75240	67920	
2	3.248	3.248	0.000	168862	75240	68477	
						RPD = 0.82	
5 Dichlorprop							
1	3.922	3.922	0.000	119263	749.6	655.2	
2	3.453	3.453	0.000	320202	749.6	612.9	
						RPD = 6.67	
8 2,4-D							
1	4.165	4.165	0.000	106806	757.1	644.5	
2	3.588	3.588	0.000	324087	757.1	619.5	
						RPD = 3.94	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.482	4.480	0.002	718062	374.9	327.3	
2	3.707	3.707	0.000	1941979	374.9	312.4	
						RPD = 4.68	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	474012	757.5	644.1	
2	4.170	4.168	0.002	1567155	757.5	633.4	
						RPD = 1.68	
4 2,4,5-T							
1	5.258	5.257	0.001	366189	750.0	624.6	
2	4.395	4.395	0.000	1425082	750.0	610.2	
						RPD = 2.34	
6 2,4-DB							
1	5.773	5.772	0.001	55129	750.0	626.1	
2	4.868	4.868	0.000	272716	750.0	657.9	
						RPD = 4.95	
13 Dinoseb							
1	6.092	6.090	0.002	379269	757.5	633.1	
2	5.868	5.867	0.001	1157590	757.5	668.2	
						RPD = 5.39	
7 Picloram							
1	7.077	7.077	0.000	206913	354.5	311.4	
2	5.680	5.680	0.000	792576	354.5	331.1	
						RPD = 6.16	

Reagents:

SGHB MIX L4_00016 Amount Added: 1.00 Units: mL

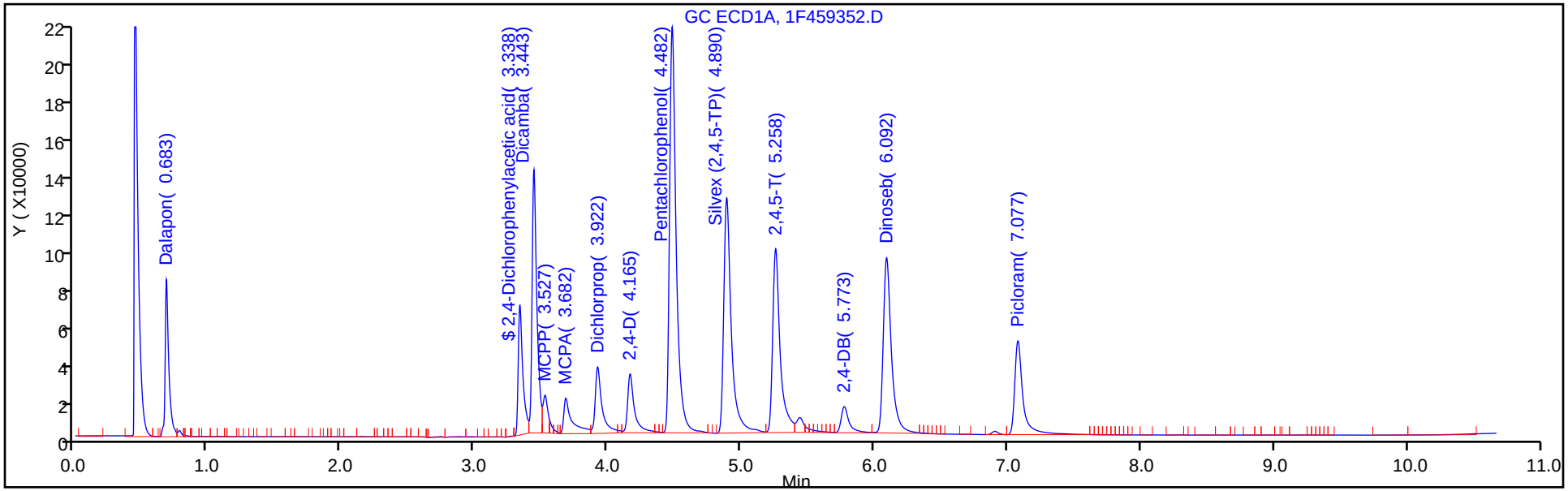
Report Date: 27-Dec-2019 07:42:56 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

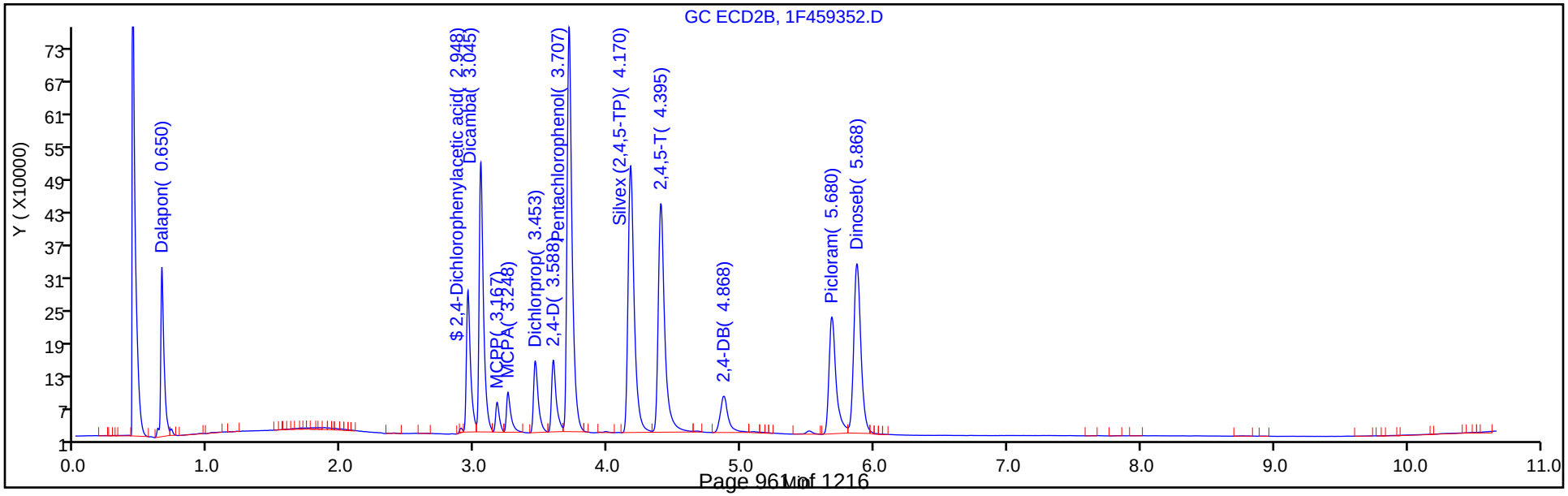
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459352.D

Injection Date:	26-Dec-2019 16:02:29	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L4			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459353.D
Lims ID: IC L3
Client ID:
Sample Type: ICRT Calib Level: 3
Inject. Date: 26-Dec-2019 16:16:19 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-004
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:57 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	113086	500.0	514.7	
2	0.650	0.650	0.000	380464	500.0	452.6	
						RPD = 12.83	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	116574	1000.0	1047.0	
2	2.948	2.948	0.000	401832	1000.0	920.7	
						RPD = 12.83	
1 Dicamba							
1	3.443	3.443	0.000	240595	500.0	461.3	
2	3.043	3.043	0.000	801337	500.0	464.3	
						RPD = 0.66	
9 MCPP							
1	3.527	3.527	0.000	29474	49528	51175	
2	3.167	3.167	0.000	68650	49528	50066	
						RPD = 2.19	
3 MCPA							
1	3.682	3.682	0.000	49753	50160	43178	
2	3.248	3.248	0.000	117574	50160	47678	
						RPD = 9.91	
5 Dichlorprop							
1	3.922	3.922	0.000	79914	499.8	439.0	
2	3.453	3.453	0.000	237703	499.8	455.0	
						RPD = 3.57	
8 2,4-D							
1	4.165	4.165	0.000	74648	504.8	450.4	
2	3.588	3.588	0.000	241471	504.8	461.6	
						RPD = 2.45	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	521551	249.9	237.8	
2	3.707	3.707	0.000	1470457	249.9	236.5	
						RPD = 0.52	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	351135	505.0	477.2	
2	4.168	4.168	0.000	1194486	505.0	482.8	
						RPD = 1.17	
4 2,4,5-T							
1	5.257	5.257	0.000	274395	500.0	468.1	
2	4.395	4.395	0.000	1113493	500.0	476.8	
						RPD = 1.84	
6 2,4-DB							
1	5.772	5.772	0.000	41563	500.0	472.0	
2	4.868	4.868	0.000	230693	500.0	556.5	
						RPD = 16.42	
13 Dinoseb							
1	6.090	6.090	0.000	281515	505.0	470.0	
2	5.867	5.867	0.000	842534	505.0	486.4	
						RPD = 3.43	
7 Picloram							
1	7.077	7.077	0.000	153577	236.3	231.1	
2	5.680	5.680	0.000	572790	236.3	239.3	
						RPD = 3.49	

Reagents:

SGHB MIX L3_00017 Amount Added: 1.00 Units: mL

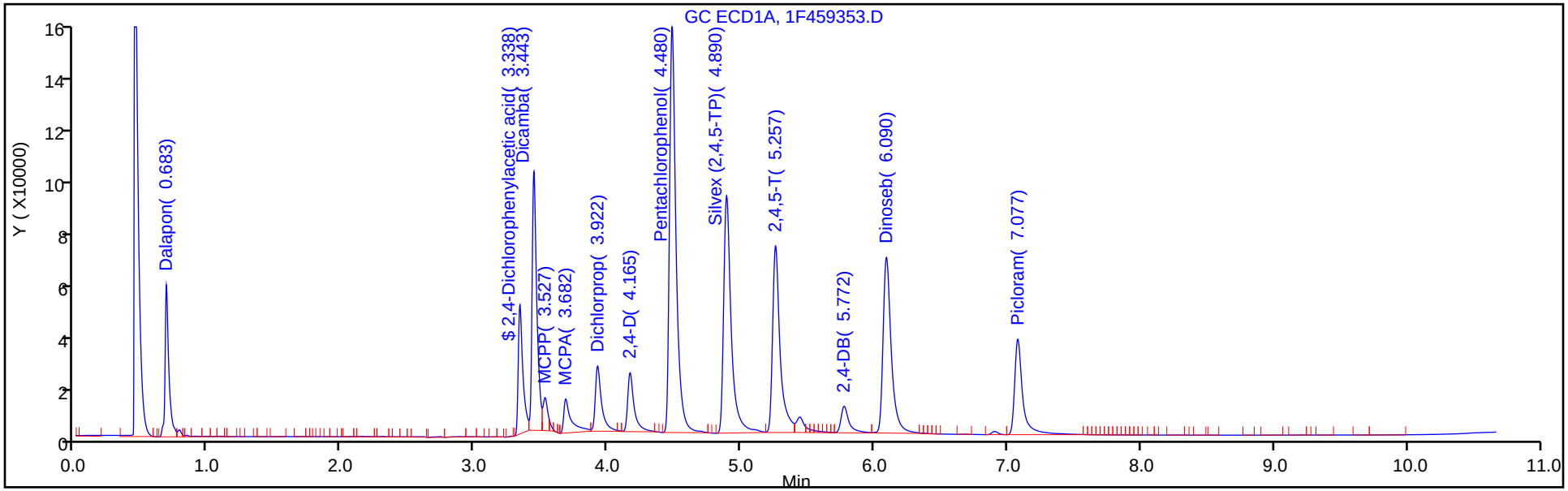
Report Date: 27-Dec-2019 07:42:57 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

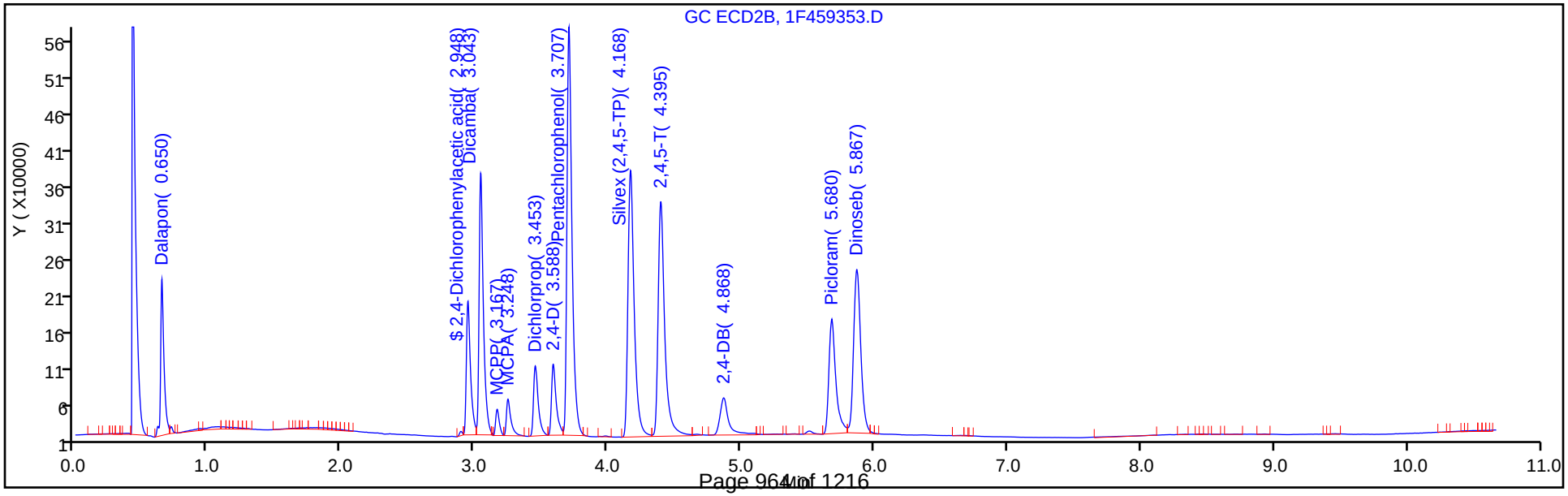
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459353.D

Injection Date:	26-Dec-2019 16:16:19	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459354.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Dec-2019 16:30:01 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-005
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:42:59 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 07:01:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	70733	250.0	278.3	
2	0.650	0.650	0.000	217725	250.0	259.0	
						RPD = 7.17	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	69182	500.0	541.5	
2	2.948	2.948	0.000	231625	500.0	530.7	
						RPD = 2.01	
1 Dicamba							
1	3.442	3.443	-0.001	137596	250.0	263.8	
2	3.043	3.043	0.000	465721	250.0	269.9	
						RPD = 2.27	
9 MCPP							M
1	3.527	3.527	0.000	14242	24764	24728	
2	3.167	3.167	0.000	33476	24764	24414	M
						RPD = 1.28	
3 MCPA							
1	3.682	3.682	0.000	29917	25080	25963	
2	3.248	3.248	0.000	65013	25080	26364	
						RPD = 1.53	
5 Dichlorprop							
1	3.922	3.922	0.000	47589	249.9	261.5	
2	3.455	3.453	0.002	145456	249.9	278.4	
						RPD = 6.29	
8 2,4-D							
1	4.165	4.165	0.000	44151	252.4	266.4	
2	3.588	3.588	0.000	142492	252.4	272.4	
						RPD = 2.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	288446	125.0	131.5	
2	3.707	3.707	0.000	817017	125.0	131.4	
						RPD = 0.05	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	195957	252.5	266.3	
2	4.167	4.168	-0.001	651594	252.5	263.4	
						RPD = 1.10	
4 2,4,5-T							
1	5.257	5.257	0.000	155126	250.0	264.6	
2	4.395	4.395	0.000	605897	250.0	259.4	
						RPD = 1.98	
6 2,4-DB							M
1	5.773	5.772	0.001	23419	250.0	266.0	
2	4.868	4.868	0.000	99765	250.0	240.7	M
						RPD = 9.99	
13 Dinoseb							
1	6.090	6.090	0.000	158945	252.5	265.3	
2	5.868	5.867	0.001	463383	252.5	267.5	
						RPD = 0.81	
7 Picloram							
1	7.077	7.077	0.000	82817	118.2	124.6	
2	5.680	5.680	0.000	298381	118.2	124.7	
						RPD = 0.03	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L2_00016 Amount Added: 1.00 Units: mL

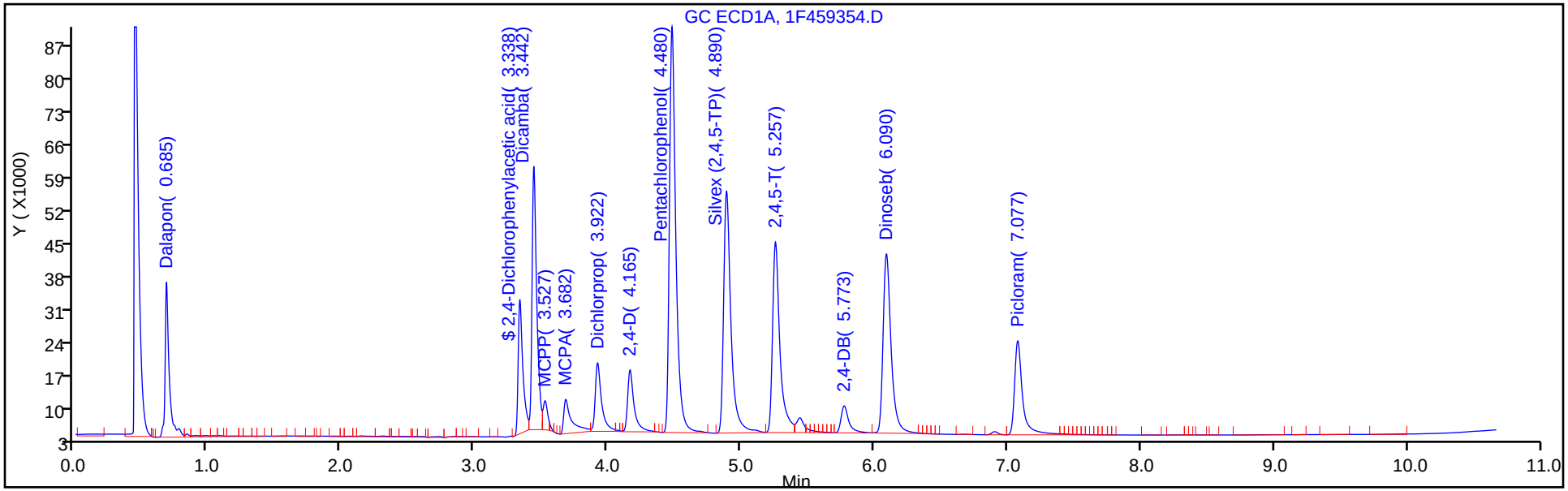
Report Date: 27-Dec-2019 07:42:59 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

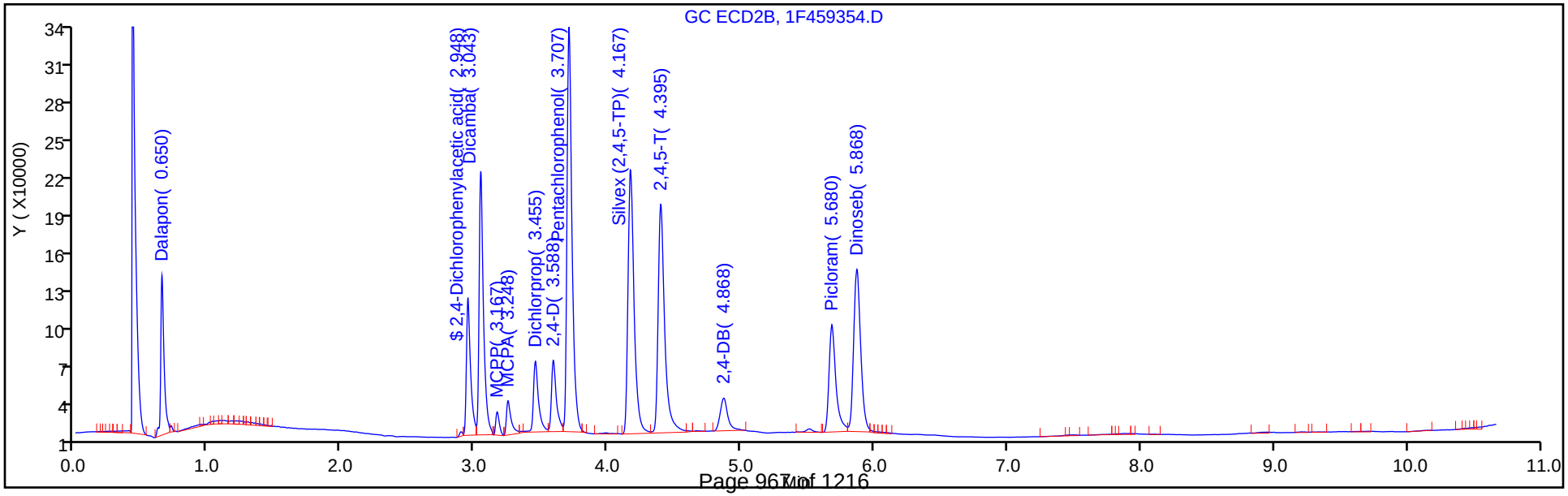
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459354.D

Injection Date:	26-Dec-2019 16:30:01	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

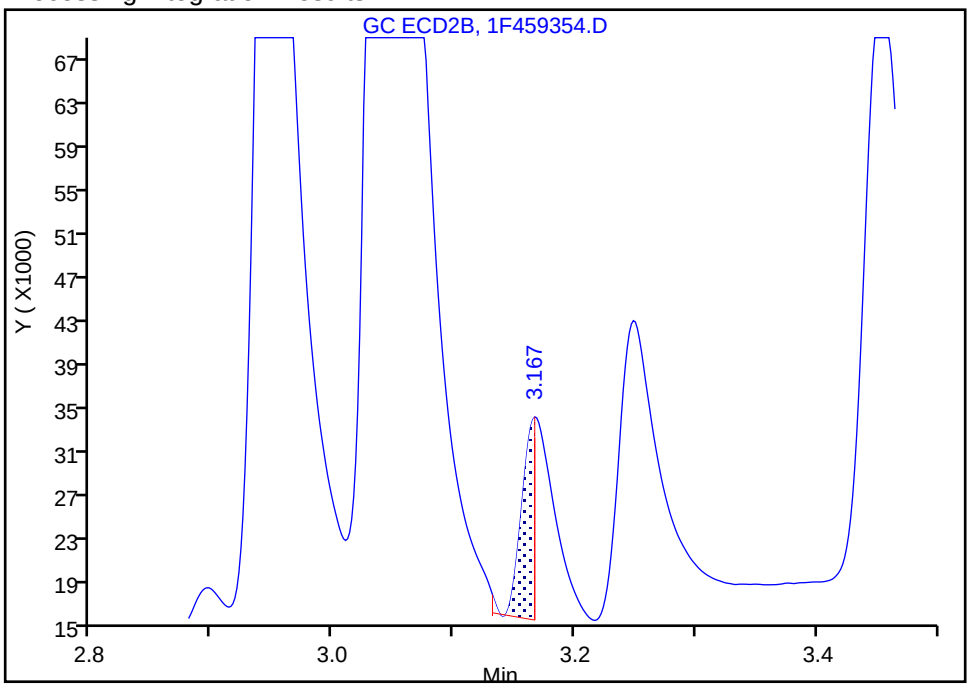
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459354.D
Injection Date: 26-Dec-2019 16:30:01 Instrument ID: CPESTGC1
Lims ID: IC L2
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-608 (0.53 mm) Detector GC ECD2B

9 MCPP, CAS: 93-65-2

Signal: 2

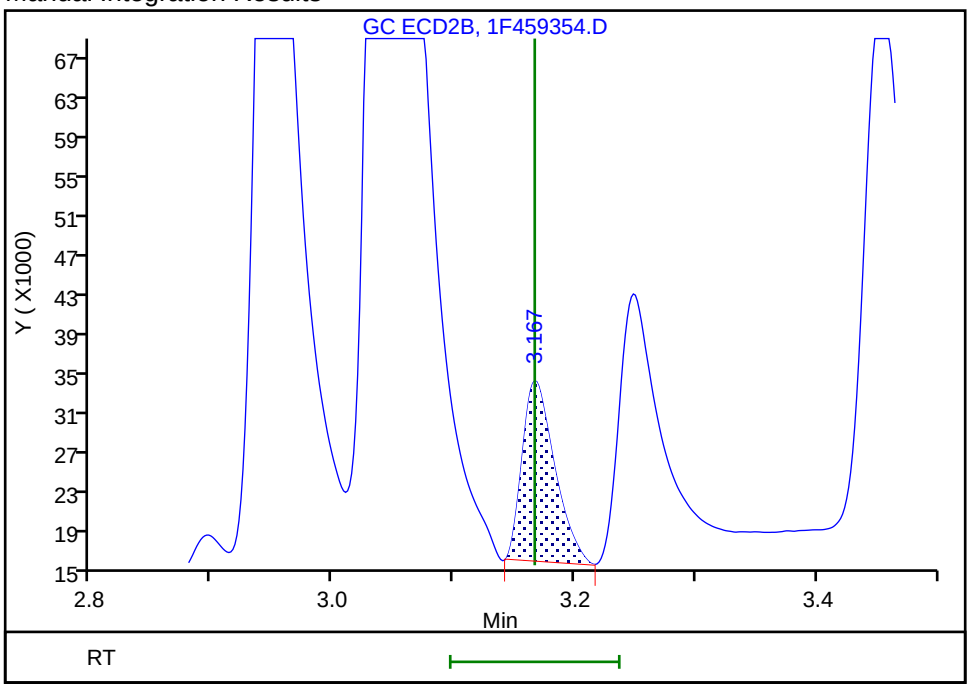
Processing Integration Results

RT: 3.17
Area: 13228
Amount: 10712
Amount Units: ug/l



Manual Integration Results

RT: 3.17
Area: 33476
Amount: 24414
Amount Units: ug/l



Reviewer: kapoors, 27-Dec-2019 07:02:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

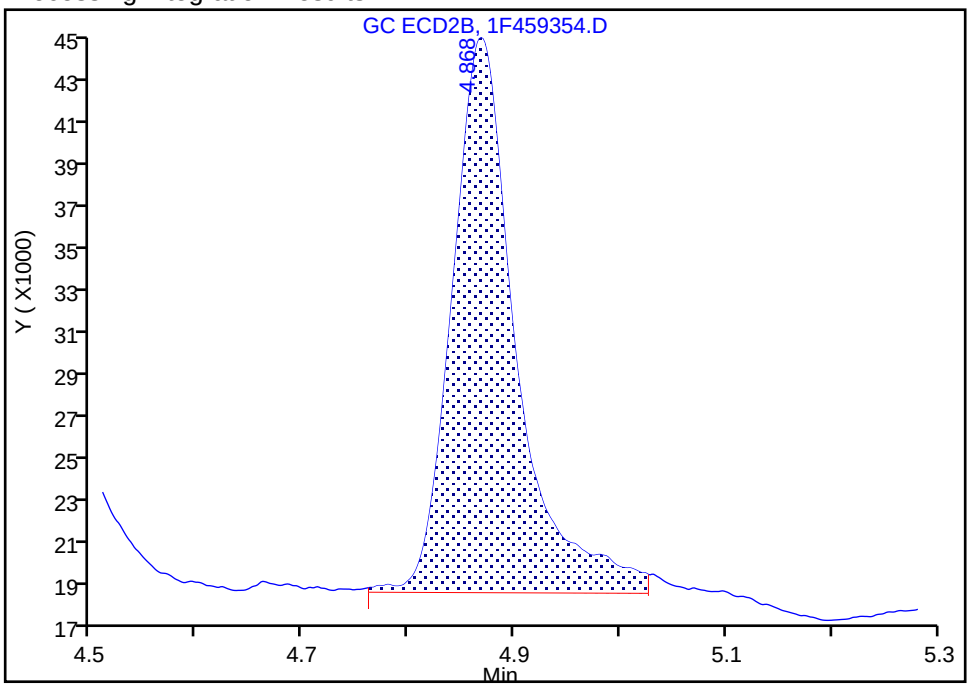
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459354.D
Injection Date: 26-Dec-2019 16:30:01 Instrument ID: CPESTGC1
Lims ID: IC L2
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-608 (0.53 mm) Detector GC ECD2B

6 2,4-DB, CAS: 94-82-6

Signal: 2

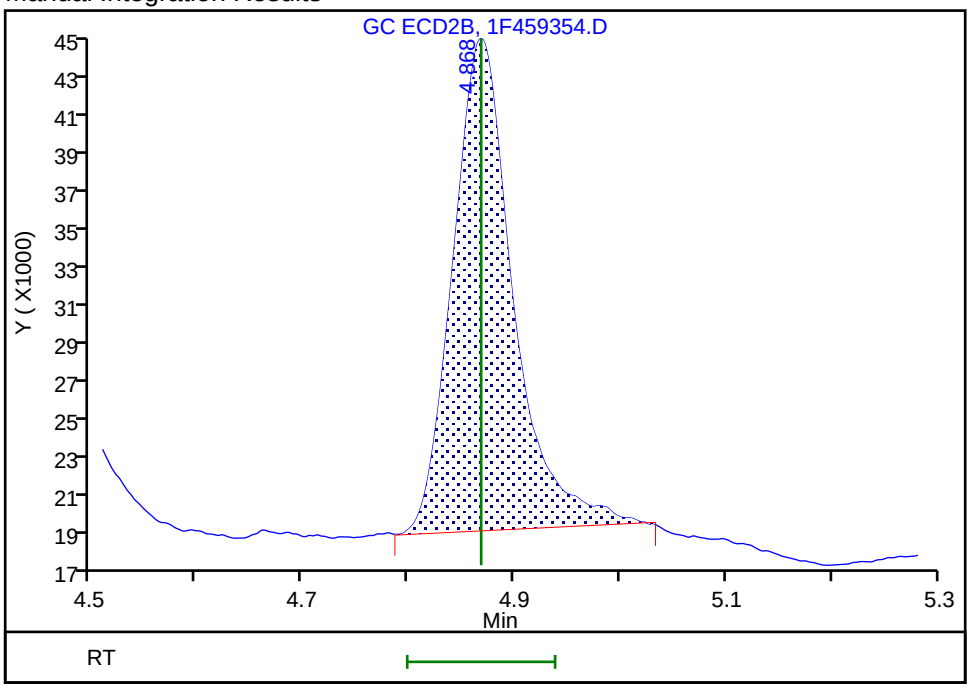
Processing Integration Results

RT: 4.87
Area: 108649
Amount: 254.3365
Amount Units: ug/l



Manual Integration Results

RT: 4.87
Area: 99765
Amount: 240.6604
Amount Units: ug/l



Reviewer: kapoors, 27-Dec-2019 07:01:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459355.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Dec-2019 16:43:54 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-006
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:43:01 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 07:01:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	34910	100.0	78.4	
2	0.652	0.650	0.002	108023	100.0	128.5	
						RPD = 48.48	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	33743	200.0	163.5	
2	2.948	2.948	0.000	105548	200.0	241.8	
						RPD = 38.64	
1 Dicamba							
1	3.443	3.443	0.000	63800	100.0	122.3	
2	3.045	3.043	0.002	206610	100.0	119.7	
						RPD = 2.15	
9 MCPP							
1	3.528	3.527	0.001	4496	9905.7	7806.3	
2	3.168	3.167	0.001	11696	9905.7	8529.8	
						RPD = 8.86	
3 MCPA							
1	3.683	3.682	0.001	13996	10032	12146	
2	3.250	3.248	0.002	25649	10032	10401	
						RPD = 15.48	
5 Dichlorprop							
1	3.922	3.922	0.000	22741	100.0	124.9	
2	3.455	3.453	0.002	67367	100.0	129.0	
						RPD = 3.16	
8 2,4-D							
1	4.167	4.165	0.002	21302	101.0	128.5	
2	3.590	3.588	0.002	68485	101.0	130.9	
						RPD = 1.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	127299	50.0	58.0	
2	3.707	3.707	0.000	384609	50.0	61.9	
						RPD = 6.40	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	89783	101.0	122.0	
2	4.170	4.168	0.002	308678	101.0	124.8	
						RPD = 2.23	
4 2,4,5-T							
1	5.257	5.257	0.000	73254	100.0	125.0	
2	4.397	4.395	0.002	301327	100.0	129.0	
						RPD = 3.20	
6 2,4-DB							M
1	5.773	5.772	0.001	10454	100.0	118.7	M
2	4.868	4.868	0.000	50287	100.0	121.3	
						RPD = 2.15	
13 Dinoseb							
1	6.090	6.090	0.000	75727	101.0	126.4	
2	5.867	5.867	0.000	204337	101.0	118.0	
						RPD = 6.92	
7 Picloram							
1	7.077	7.077	0.000	36336	47.3	54.7	
2	5.680	5.680	0.000	122363	47.3	51.1	
						RPD = 6.72	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L1_00015 Amount Added: 1.00 Units: mL

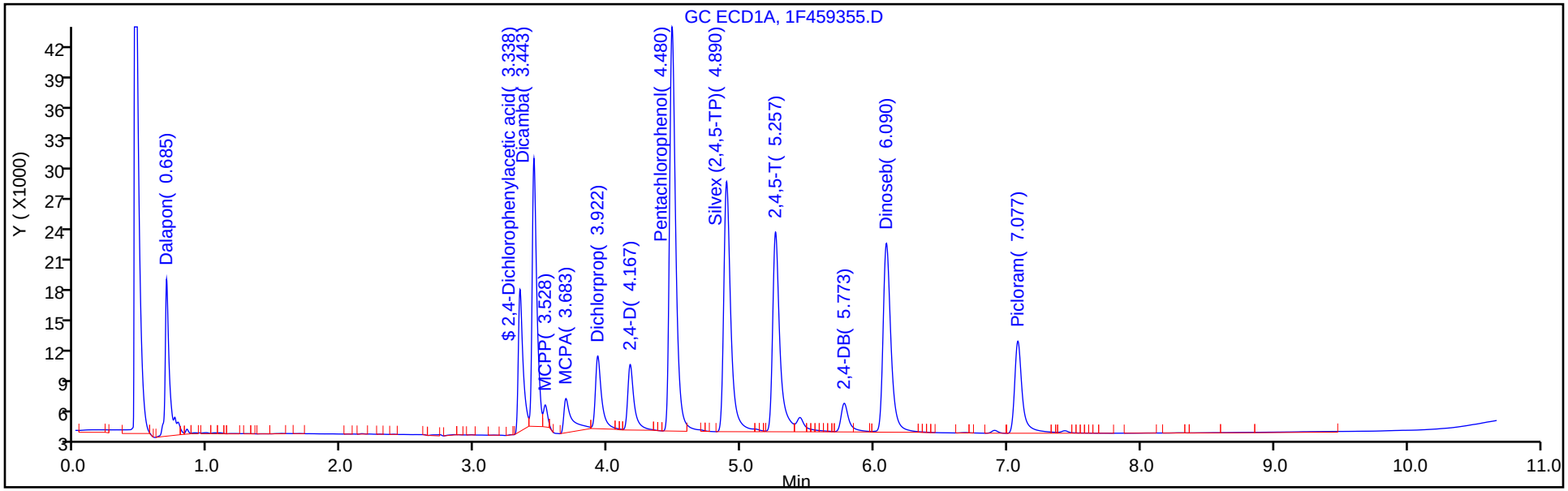
Report Date: 27-Dec-2019 07:43:02 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

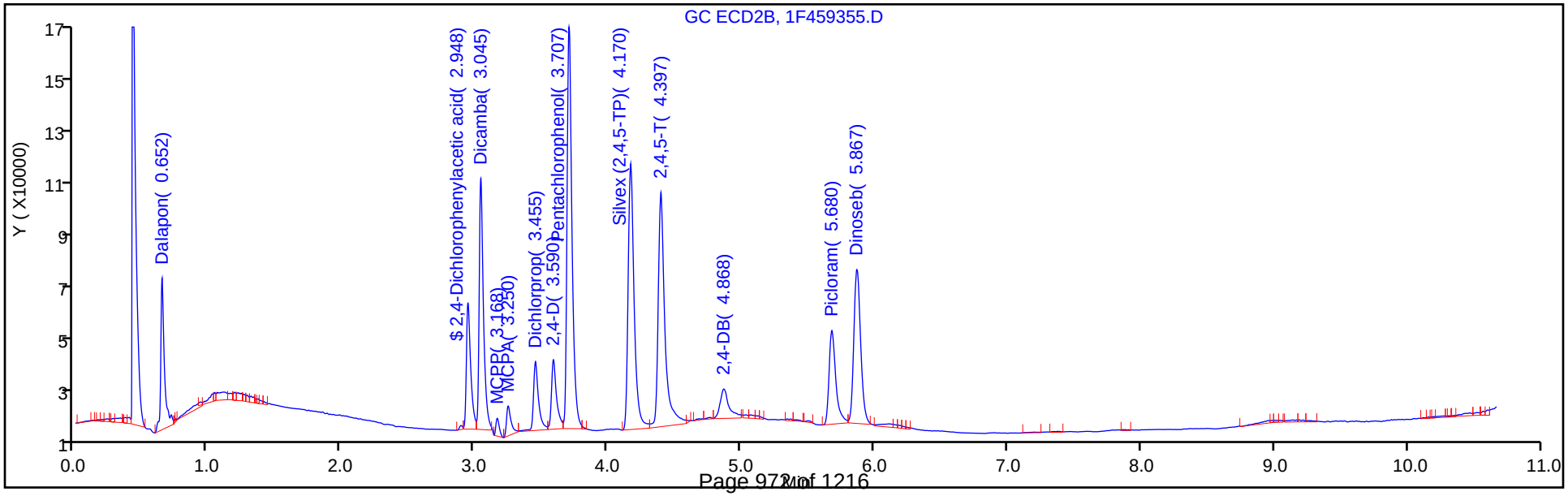
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459355.D

Injection Date:	26-Dec-2019 16:43:54	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L1			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 26-Dec-2019 16:57:34 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103464-007
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 27-Dec-2019 07:43:04 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0339

First Level Reviewer: kapoors Date: 27-Dec-2019 07:02:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	61031	200.0	224.2	
2	0.650	0.650	0.000	189617	200.0	225.6	
						RPD = 0.64	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.338	3.338	0.000	59517	400.0	438.4	
2	2.948	2.948	0.000	194005	400.0	444.5	
						RPD = 1.38	
1 Dicamba							
1	3.443	3.443	0.000	117278	200.0	224.8	
2	3.045	3.043	0.002	379202	200.0	219.7	
						RPD = 2.30	
9 MCPP							
1	3.527	3.527	0.000	11211	19811	19465	
2	3.168	3.167	0.001	26822	19811	19561	
						RPD = 0.49	
3 MCPA							
1	3.683	3.682	0.001	25689	20064	22294	
2	3.250	3.248	0.002	54945	20064	22281	
						RPD = 0.06	
5 Dichlorprop							
1	3.922	3.922	0.000	40945	199.9	225.0	
2	3.455	3.453	0.002	111854	199.9	214.1	
						RPD = 4.94	
8 2,4-D							
1	4.165	4.165	0.000	37896	201.9	228.7	
2	3.590	3.588	0.002	115326	201.9	220.5	
						RPD = 3.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.480	4.480	0.000	243148	100.0	110.8	
2	3.707	3.707	0.000	690075	100.0	111.0	
						RPD = 0.14	
2 Silvex (2,4,5-TP)							
1	4.890	4.890	0.000	167105	202.0	227.1	
2	4.170	4.168	0.002	546375	202.0	220.8	
						RPD = 2.79	
4 2,4,5-T							
1	5.257	5.257	0.000	133862	200.0	228.3	
2	4.397	4.395	0.002	511404	200.0	219.0	
						RPD = 4.19	
6 2,4-DB							M
1	5.772	5.772	0.000	21078	200.0	239.4	
2	4.868	4.868	0.000	78270	200.0	188.8	M
						RPD = 23.62	
13 Dinoseb							
1	6.090	6.090	0.000	136804	202.0	228.4	
2	5.870	5.867	0.003	373869	202.0	215.8	
						RPD = 5.65	
7 Picloram							
1	7.077	7.077	0.000	69800	94.5	105.0	
2	5.678	5.680	-0.002	231666	94.5	96.8	
						RPD = 8.17	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L6_00001 Amount Added: 1.00 Units: mL

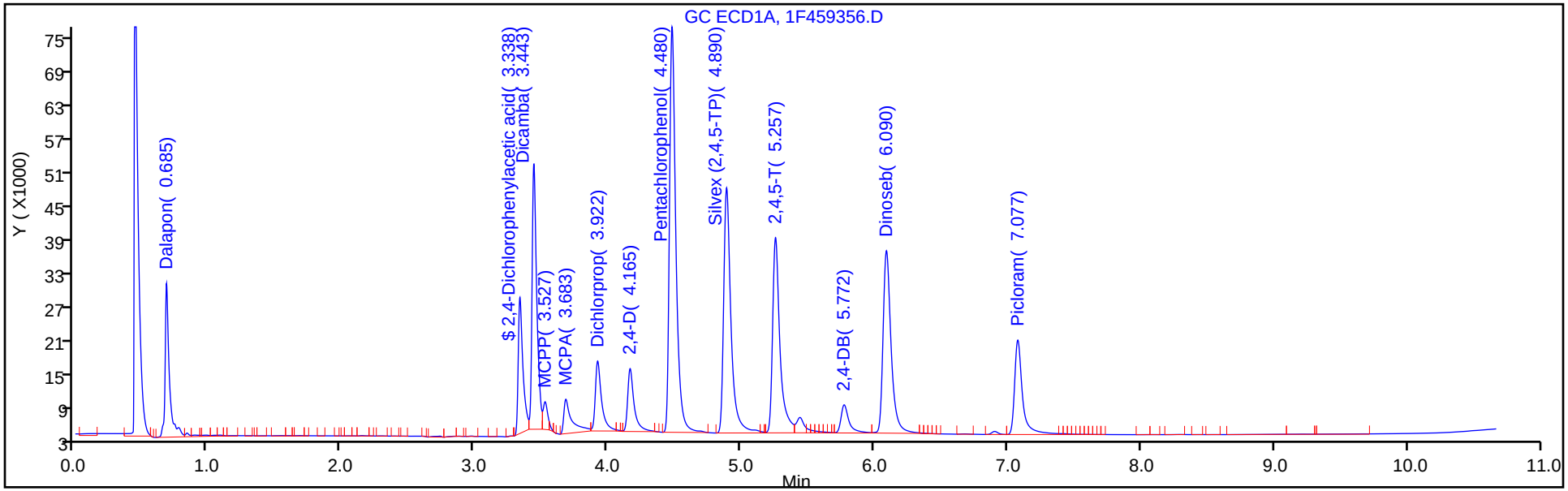
Report Date: 27-Dec-2019 07:43:04 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

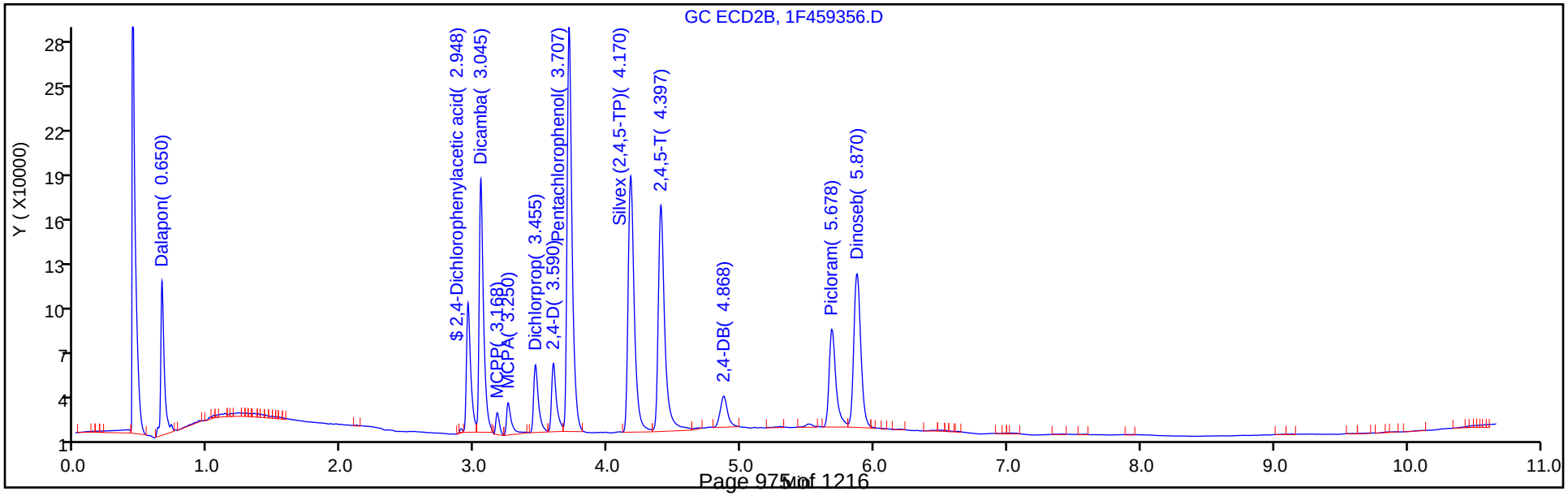
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Injection Date:	26-Dec-2019 16:57:34	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	IC L6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

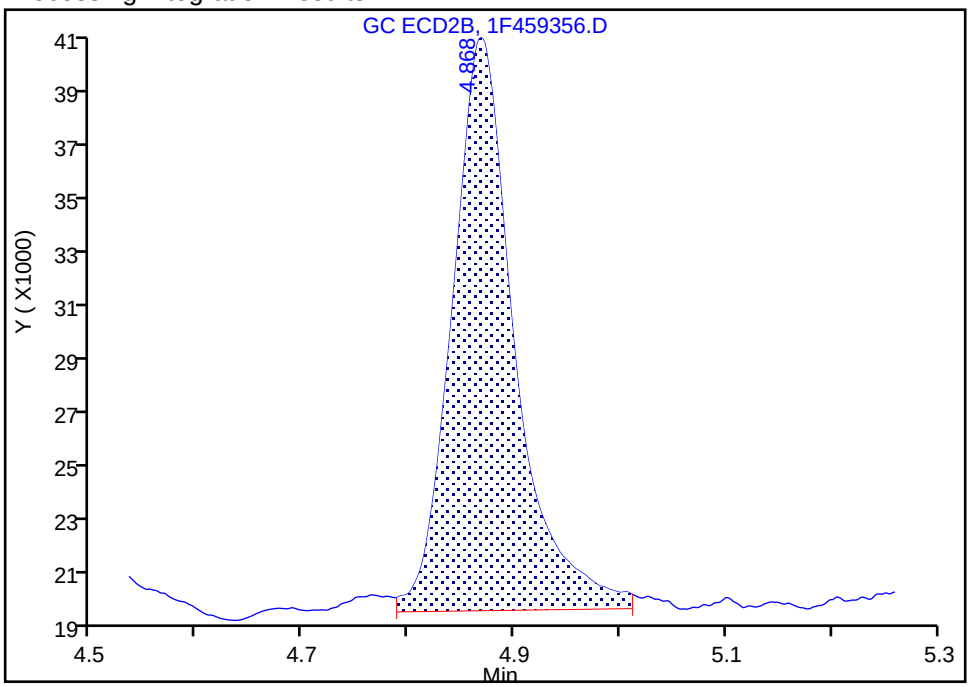
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D
Injection Date: 26-Dec-2019 16:57:34 Instrument ID: CPESTGC1
Lims ID: IC L6
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-608 (0.53 mm) Detector GC ECD2B

6 2,4-DB, CAS: 94-82-6

Signal: 2

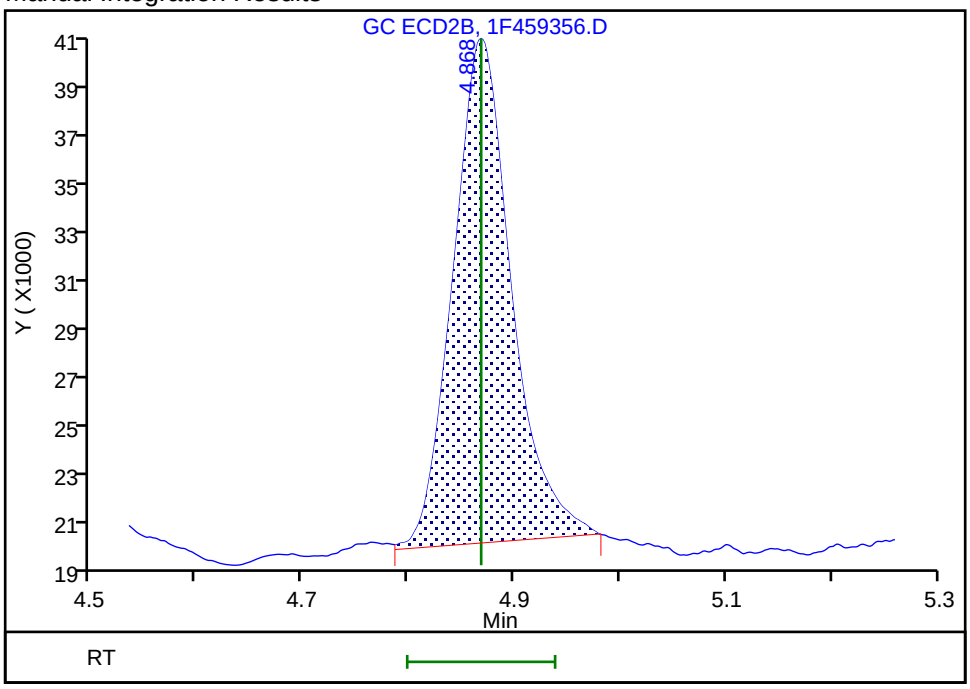
Processing Integration Results

RT: 4.87
Area: 86330
Amount: 204.9312
Amount Units: ug/l



Manual Integration Results

RT: 4.87
Area: 78270
Amount: 188.8086
Amount Units: ug/l



Reviewer: kapoors, 27-Dec-2019 07:01:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/1 Calibration Date: 12/28/2019 09:44

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459403.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		238.6		549	500	9.9	15.0
Dicamba	Ave	521.6	547.1		524	500	4.9	15.0
Mecoprop	Ave	0.5759	0.6556		56400	49500	13.8	15.0
MCPA	Ave	1.152	1.013		44100	50200	-12.1	15.0
Dichlorprop	Ave	182.0	191.4		526	500	5.2	15.0
2,4-D	Ave	165.7	193.4		589	505	16.7*	15.0
Pentachlorophenol	Ave	2194	2179		248	250	-0.7	15.0
Silvex (2,4,5-TP)	Ave	735.9	791.2		543	505	7.5	15.0
2,4,5-T	Ave	586.2	705.8		602	500	20.4*	15.0
2,4-DB	Ave	88.05	110.8		629	500	25.8*	15.0
Dinoseb	Ave	599.0	614.7		518	505	2.6	15.0
Picloram	Ave	664.5	936.7		333	236	41.0*	15.0
2,4-Dichlorophenylacetic acid	Lin1		142.2		1320	1000	32.0*	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/1 Calibration Date: 12/28/2019 09:44

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459403.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.69	0.61	0.75
Dicamba	3.44	3.37	3.51
Mecoprop	3.53	3.46	3.60
MCPA	3.68	3.61	3.75
Dichlorprop	3.92	3.85	3.99
2,4-D	4.17	4.10	4.24
Pentachlorophenol	4.48	4.41	4.55
Silvex (2,4,5-TP)	4.89	4.82	4.96
2,4,5-T	5.26	5.19	5.33
2,4-DB	5.77	5.70	5.84
Dinoseb	6.09	6.02	6.16
Picloram	7.08	7.01	7.15
2,4-Dichlorophenylacetic acid	3.34	3.27	3.41

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459403.D
Lims ID: CCV HB12
Client ID:
Sample Type: CCV
Inject. Date: 28-Dec-2019 09:44:57 ALS Bottle#: 21 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

First Level Reviewer: patelji Date: 28-Dec-2019 08:59:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	119281	500.0	549.3	
2	0.650	0.650	0.000	389476	500.0	463.4	
						RPD = 16.96	
$ 11 2,4-Dichlorophenylacetic acid							M
1	3.338	3.338	0.000	142161	1000.0	1319.9	M
2	2.948	2.948	0.000	419504	1000.0	961.2	
						RPD = 31.44	
1 Dicamba							M
1	3.443	3.443	0.000	273541	500.0	524.4	M
2	3.045	3.043	0.002	810999	500.0	469.9	
						RPD = 10.96	
9 MCPP							M
1	3.528	3.527	0.001	32472	49528	56380	M
2	3.168	3.167	0.001	29379	49528	21426	
						RPD = 89.85	
3 MCPA							
1	3.683	3.682	0.001	50815	50160	44099	
2	3.250	3.248	0.002	114405	50160	46393	
						RPD = 5.07	
5 Dichlorprop							
1	3.923	3.922	0.001	95655	499.8	525.5	
2	3.455	3.453	0.002	249323	499.8	477.3	
						RPD = 9.63	
8 2,4-D							
1	4.167	4.165	0.002	97629	504.8	589.1	
2	3.592	3.588	0.004	276724	504.8	529.0	
						RPD = 10.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.482	4.480	0.002	544427	249.9	248.2	
2	3.708	3.707	0.001	1506978	249.9	242.4	
						RPD = 2.36	
2 Silvex (2,4,5-TP)							
1	4.892	4.890	0.002	399569	505.0	543.0	
2	4.173	4.168	0.005	1217649	505.0	492.2	
						RPD = 9.82	
4 2,4,5-T							
1	5.258	5.257	0.001	352887	500.0	602.0	
2	4.398	4.395	0.003	1204774	500.0	515.9	
						RPD = 15.40	
6 2,4-DB							
1	5.773	5.772	0.001	55401	500.0	629.2	
2	4.875	4.868	0.007	264869	500.0	638.9	
						RPD = 1.54	
13 Dinoseb							
1	6.090	6.090	0.000	310439	505.0	518.2	
2	5.870	5.867	0.003	868218	505.0	501.2	
						RPD = 3.34	
7 Picloram							
1	7.077	7.077	0.000	221342	236.3	333.1	
2	5.682	5.680	0.002	686020	236.3	286.6	
						RPD = 14.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L3_00017 Amount Added: 1.00 Units: mL

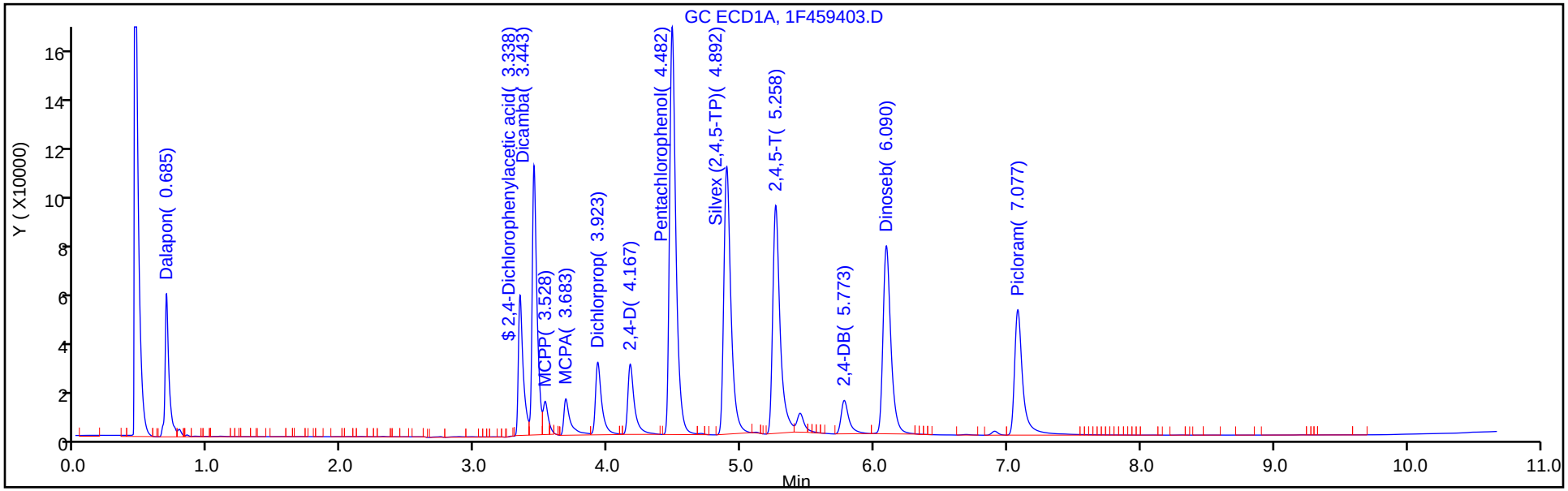
Report Date: 30-Dec-2019 09:05:55 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

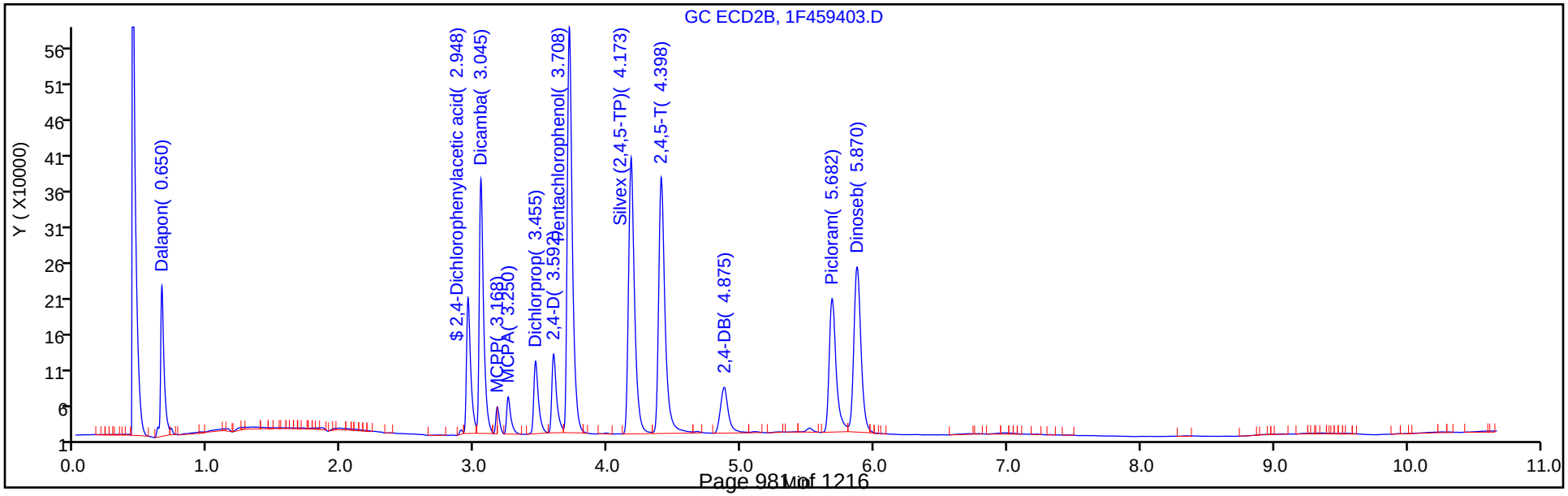
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459403.D

Injection Date:	28-Dec-2019 09:44:57	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	CCV HB12			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

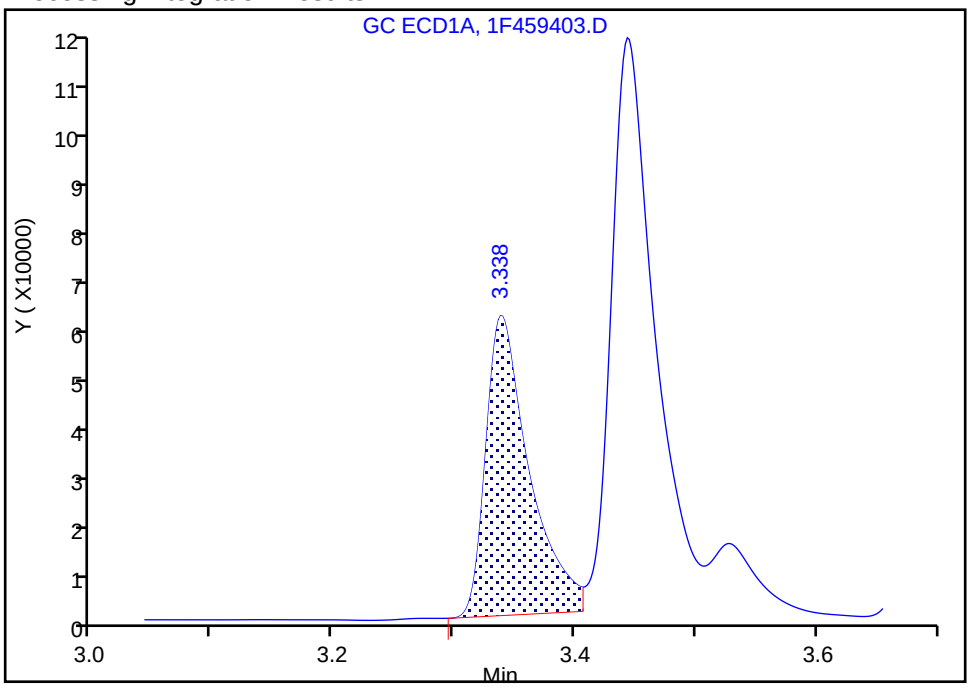
Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459403.D				
Injection Date:	28-Dec-2019 09:44:57	Instrument ID:	CPESTGC1		
Lims ID:	CCV HB12				
Client ID:					
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A		

$ 11 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

Signal: 1

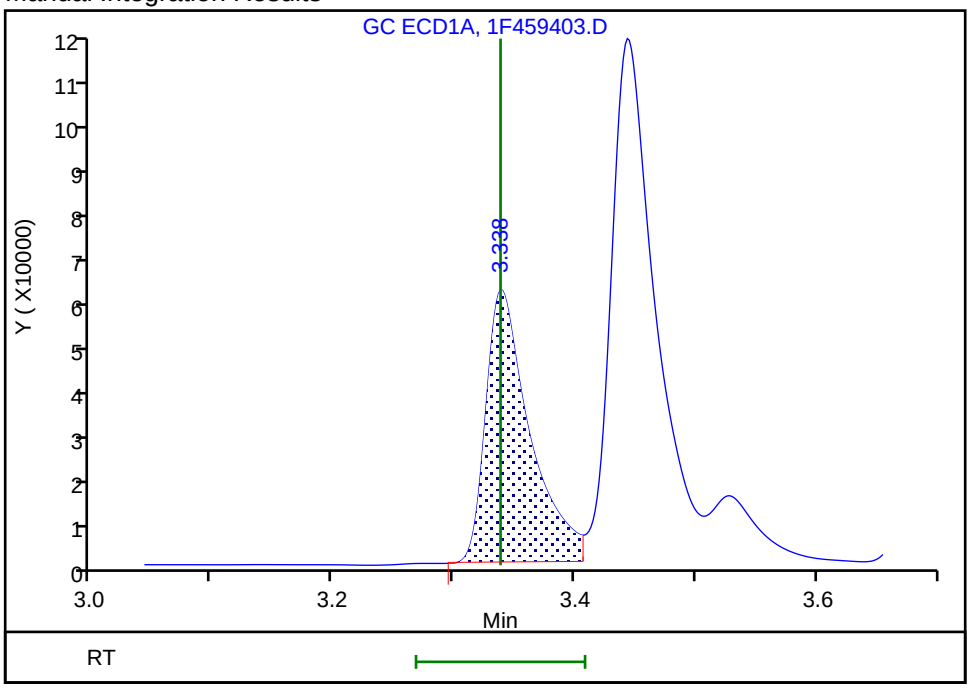
Processing Integration Results

RT: 3.34
Area: 139910
Amount: 1295.8786
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 142161
Amount: 1319.8872
Amount Units: ug/l



Reviewer: kapoors, 30-Dec-2019 07:17:43

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

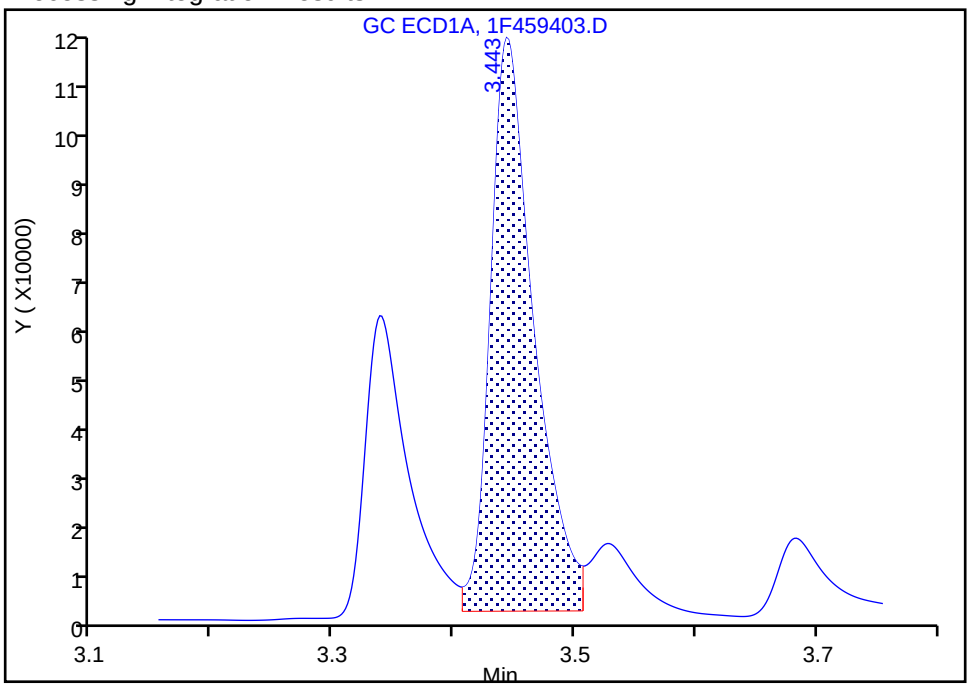
Data File:	\\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459403.D		
Injection Date:	28-Dec-2019 09:44:57	Instrument ID:	CPESTGC1
Lims ID:	CCV HB12		
Client ID:			
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL
Column:	DB-5 (0.53 mm)	Detector	GC ECD1A

1 Dicamba, CAS: 1918-00-9

Signal: 1

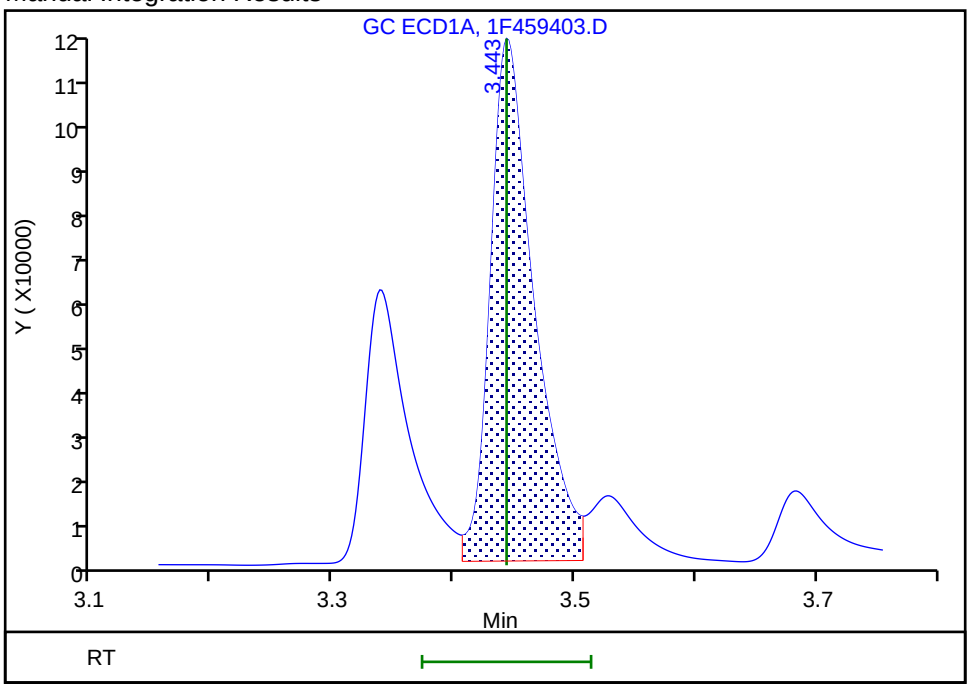
Processing Integration Results

RT: 3.44
Area: 268525
Amount: 514.8237
Amount Units: ug/l



Manual Integration Results

RT: 3.44
Area: 273541
Amount: 524.4405
Amount Units: ug/l



Reviewer: kapoors, 30-Dec-2019 07:17:43

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

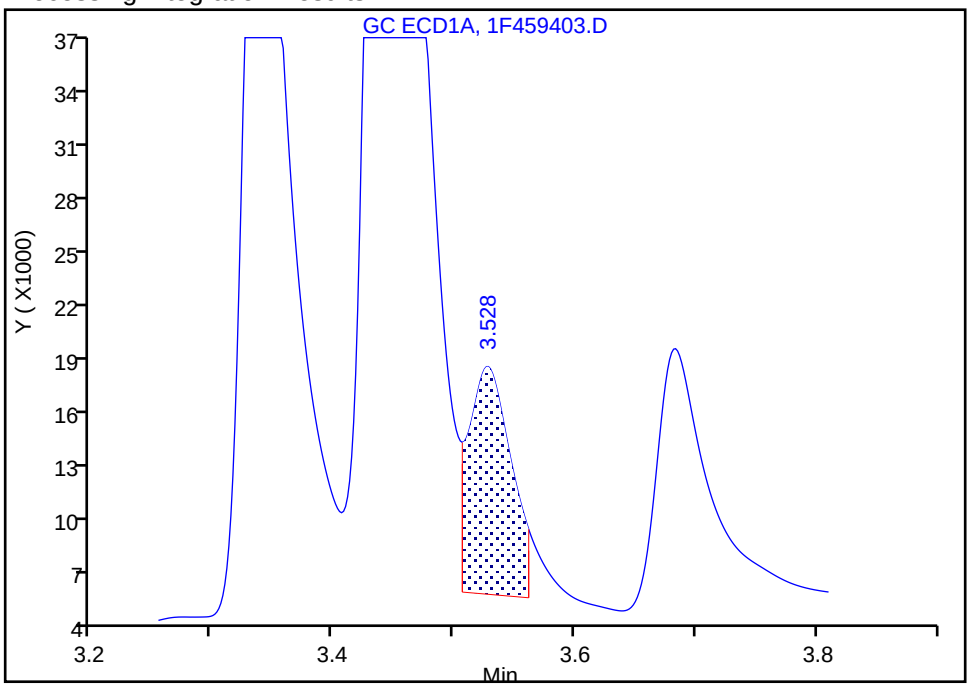
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459403.D
Injection Date: 28-Dec-2019 09:44:57 Instrument ID: CPESTGC1
Lims ID: CCV HB12
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

9 MCPP, CAS: 93-65-2

Signal: 1

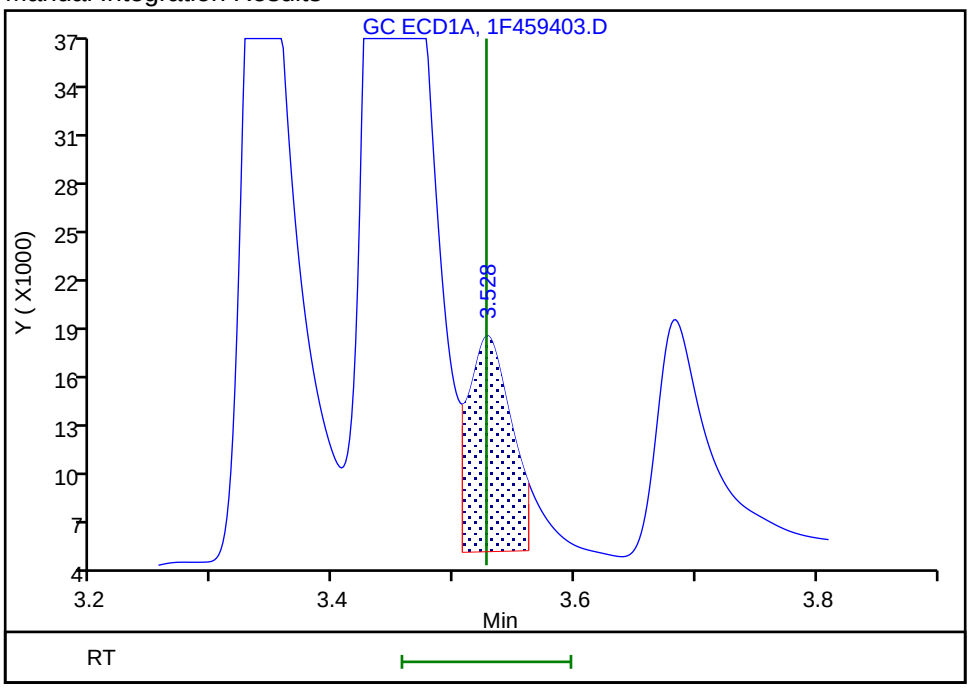
Processing Integration Results

RT: 3.53
Area: 30579
Amount: 53094
Amount Units: ug/l



Manual Integration Results

RT: 3.53
Area: 32472
Amount: 56380
Amount Units: ug/l



Reviewer: kapoors, 30-Dec-2019 07:17:43
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/1 Calibration Date: 12/28/2019 09:44

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-608 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459403.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	840.5	779.0		463	500	-7.3	15.0
Dicamba	Ave	1726	1622		470	500	-6.0	15.0
Mecoprop	Ave	1.371	0.5932		21400	49500	-56.7*	15.0
MCPA	Ave	2.466	2.281		46400	50200	-7.5	15.0
Dichlorprop	Ave	522.4	498.9		477	500	-4.5	15.0
2,4-D	Ave	523.1	548.2		529	505	4.8	15.0
Pentachlorophenol	Ave	6217	6030		242	250	-3.0	15.0
Silvex (2,4,5-TP)	Ave	2474	2411		492	505	-2.5	15.0
2,4,5-T	Ave	2335	2410		516	500	3.2	15.0
2,4-DB	Ave	414.5	529.7		639	500	27.8*	15.0
Picloram	Ave	2393	2903		287	236	21.3*	15.0
Dinoseb	Ave	1732	1719		501	505	-0.8	15.0
2,4-Dichlorophenylacetic acid	Ave	436.4	419.5		961	1000	-3.9	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/1 Calibration Date: 12/28/2019 09:44

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-608 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459403.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.65	0.58	0.72
Dicamba	3.05	2.97	3.11
Mecoprop	3.17	3.10	3.24
MCPA	3.25	3.18	3.32
Dichlorprop	3.46	3.38	3.52
2,4-D	3.59	3.52	3.66
Pentachlorophenol	3.71	3.64	3.78
Silvex (2,4,5-TP)	4.17	4.10	4.24
2,4,5-T	4.40	4.33	4.47
2,4-DB	4.88	4.80	4.94
Picloram	5.68	5.61	5.75
Dinoseb	5.87	5.80	5.94
2,4-Dichlorophenylacetic acid	2.95	2.88	3.02

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459403.D
Lims ID: CCV HB12
Client ID:
Sample Type: CCV
Inject. Date: 28-Dec-2019 09:44:57 ALS Bottle#: 21 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

First Level Reviewer: patelji Date: 28-Dec-2019 08:59:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.685	0.683	0.002	119281	500.0	549.3	
2	0.650	0.650	0.000	389476	500.0	463.4	
						RPD = 16.96	
$ 11 2,4-Dichlorophenylacetic acid							M
1	3.338	3.338	0.000	142161	1000.0	1319.9	M
2	2.948	2.948	0.000	419504	1000.0	961.2	
						RPD = 31.44	
1 Dicamba							M
1	3.443	3.443	0.000	273541	500.0	524.4	M
2	3.045	3.043	0.002	810999	500.0	469.9	
						RPD = 10.96	
9 MCPP							M
1	3.528	3.527	0.001	32472	49528	56380	M
2	3.168	3.167	0.001	29379	49528	21426	
						RPD = 89.85	
3 MCPA							
1	3.683	3.682	0.001	50815	50160	44099	
2	3.250	3.248	0.002	114405	50160	46393	
						RPD = 5.07	
5 Dichlorprop							
1	3.923	3.922	0.001	95655	499.8	525.5	
2	3.455	3.453	0.002	249323	499.8	477.3	
						RPD = 9.63	
8 2,4-D							
1	4.167	4.165	0.002	97629	504.8	589.1	
2	3.592	3.588	0.004	276724	504.8	529.0	
						RPD = 10.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.482	4.480	0.002	544427	249.9	248.2	
2	3.708	3.707	0.001	1506978	249.9	242.4	
						RPD = 2.36	
2 Silvex (2,4,5-TP)							
1	4.892	4.890	0.002	399569	505.0	543.0	
2	4.173	4.168	0.005	1217649	505.0	492.2	
						RPD = 9.82	
4 2,4,5-T							
1	5.258	5.257	0.001	352887	500.0	602.0	
2	4.398	4.395	0.003	1204774	500.0	515.9	
						RPD = 15.40	
6 2,4-DB							
1	5.773	5.772	0.001	55401	500.0	629.2	
2	4.875	4.868	0.007	264869	500.0	638.9	
						RPD = 1.54	
13 Dinoseb							
1	6.090	6.090	0.000	310439	505.0	518.2	
2	5.870	5.867	0.003	868218	505.0	501.2	
						RPD = 3.34	
7 Picloram							
1	7.077	7.077	0.000	221342	236.3	333.1	
2	5.682	5.680	0.002	686020	236.3	286.6	
						RPD = 14.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L3_00017 Amount Added: 1.00 Units: mL

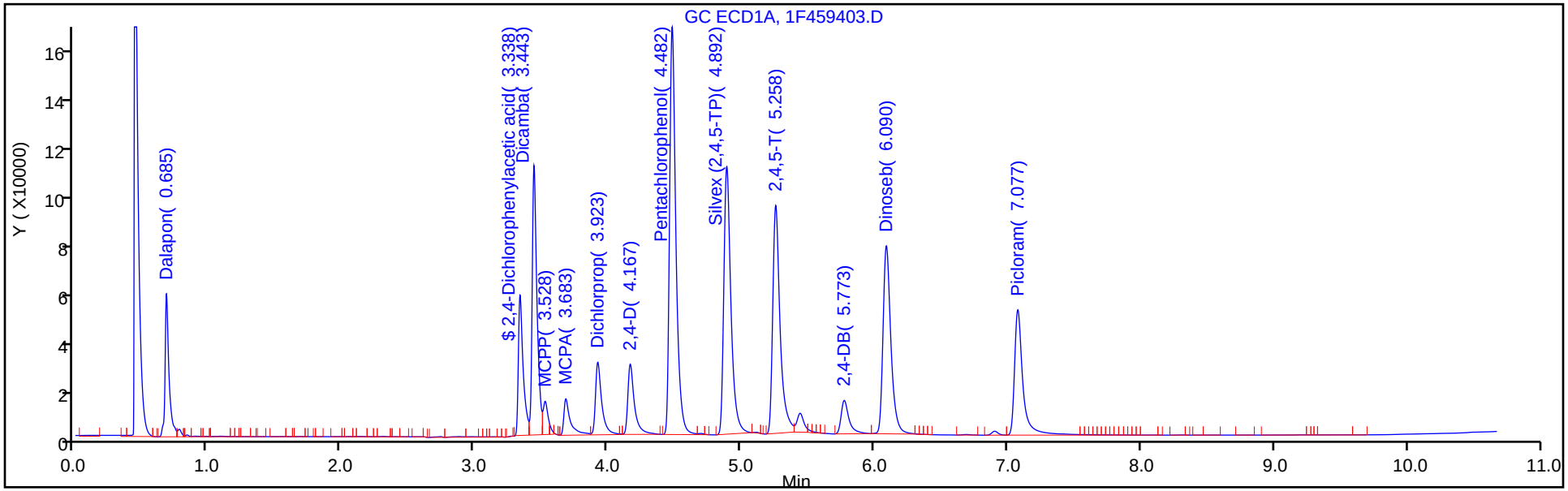
Report Date: 30-Dec-2019 09:05:56 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

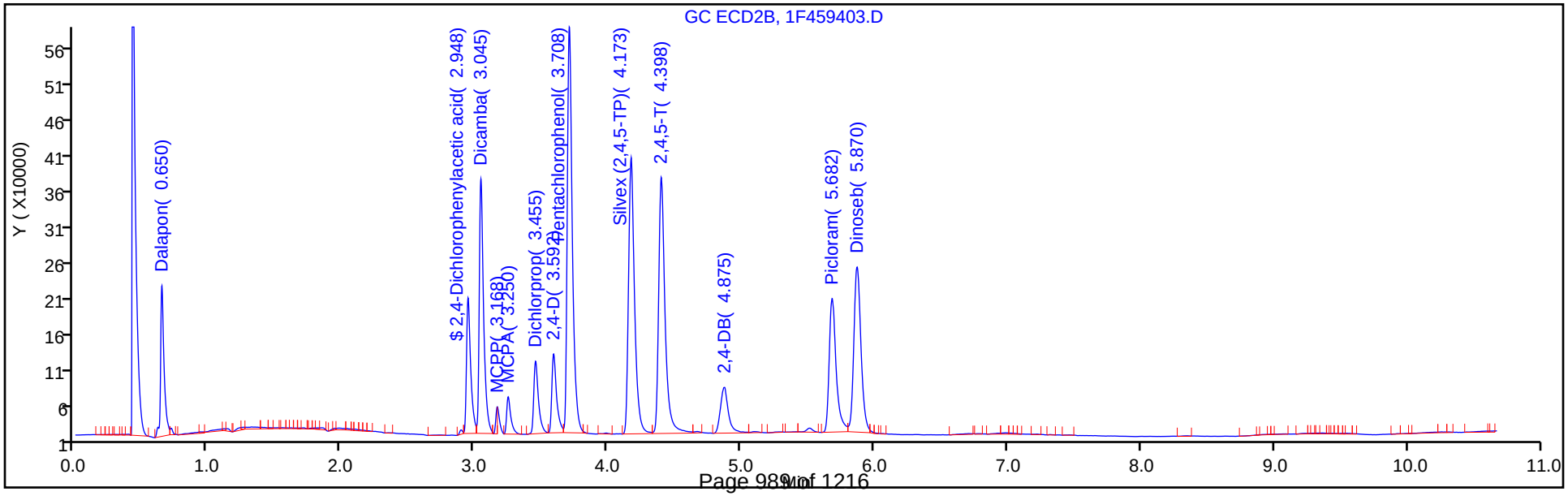
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459403.D

Injection Date:	28-Dec-2019 09:44:57	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	CCV HB12			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/21 Calibration Date: 12/28/2019 14:58

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459423.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		250.5		582	500	16.5*	15.0
Dicamba	Ave	521.6	565.8		542	500	8.5	15.0
Mecoprop	Ave	0.5759	0.5689		48900	49500	-1.2	15.0
MCPA	Ave	1.152	1.004		43700	50200	-12.9	15.0
Dichlorprop	Ave	182.0	204.3		561	500	12.2	15.0
2,4-D	Ave	165.7	225.5		687	505	36.1*	15.0
Pentachlorophenol	Ave	2194	2276		259	250	3.7	15.0
Silvex (2,4,5-TP)	Ave	735.9	874.7		600	505	18.9*	15.0
2,4,5-T	Ave	586.2	848.2		723	500	44.7*	15.0
2,4-DB	Ave	88.05	145.2		825	500	65.0*	15.0
Dinoseb	Ave	599.0	667.9		563	505	11.5	15.0
Picloram	Ave	664.5	1189		423	236	78.9*	15.0
2,4-Dichlorophenylacetic acid	Lin1		156.1		1470	1000	46.8*	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/21 Calibration Date: 12/28/2019 14:58

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-5 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459423.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.68	0.61	0.75
Dicamba	3.44	3.37	3.51
Mecoprop	3.53	3.46	3.60
MCPA	3.68	3.61	3.75
Dichlorprop	3.92	3.85	3.99
2,4-D	4.16	4.10	4.24
Pentachlorophenol	4.48	4.41	4.55
Silvex (2,4,5-TP)	4.89	4.82	4.96
2,4,5-T	5.25	5.19	5.33
2,4-DB	5.77	5.70	5.84
Dinoseb	6.08	6.02	6.16
Picloram	7.07	7.01	7.15
2,4-Dichlorophenylacetic acid	3.34	3.27	3.41

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459423.D
Lims ID: CCV HB12
Client ID:
Sample Type: CCV
Inject. Date: 28-Dec-2019 14:58:03 ALS Bottle#: 41 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-021
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 10:29:57 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

First Level Reviewer: kapoors Date: 30-Dec-2019 10:29:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	125235	500.0	582.5	
2	0.650	0.650	0.000	405585	500.0	482.5	
						RPD = 18.77	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.337	3.338	-0.001	156065	1000.0	1468.2	
2	2.947	2.948	-0.001	422126	1000.0	967.2	
						RPD = 41.14	
1 Dicamba							
1	3.440	3.443	-0.003	282893	500.0	542.4	
2	3.042	3.043	-0.001	786571	500.0	455.8	
						RPD = 17.35	
9 MCPP							
1	3.525	3.527	-0.002	28176	49528	48921	
2	3.165	3.167	-0.002	75903	49528	55355	
						RPD = 12.34	
3 MCPA							
1	3.678	3.682	-0.004	50349	50160	43695	
2	3.247	3.248	-0.001	115503	50160	46839	
						RPD = 6.94	
5 Dichlorprop							
1	3.918	3.922	-0.004	102076	499.8	560.8	
2	3.452	3.453	-0.001	249316	499.8	477.2	
						RPD = 16.10	
8 2,4-D							M
1	4.162	4.165	-0.003	113810	504.8	686.7	M
2	3.587	3.588	-0.001	278844	504.8	533.1	
						RPD = 25.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.475	4.480	-0.005	568730	249.9	259.3	
2	3.705	3.707	-0.002	1403388	249.9	225.7	
						RPD = 13.82	
2 Silvex (2,4,5-TP)							
1	4.885	4.890	-0.005	441716	505.0	600.3	
2	4.165	4.168	-0.003	1169851	505.0	472.8	
						RPD = 23.75	
4 2,4,5-T							
1	5.252	5.257	-0.005	424090	500.0	723.4	
2	4.390	4.395	-0.005	1156978	500.0	495.4	
						RPD = 37.42	
6 2,4-DB							
1	5.768	5.772	-0.004	72623	500.0	824.8	
2	4.862	4.868	-0.006	297229	500.0	717.0	
						RPD = 13.98	
13 Dinoseb							
1	6.083	6.090	-0.007	337268	505.0	563.0	
2	5.860	5.867	-0.007	870745	505.0	502.6	
						RPD = 11.33	
7 Picloram							
1	7.070	7.077	-0.007	280923	236.3	422.7	
2	5.677	5.680	-0.003	765789	236.3	320.0	
						RPD = 27.68	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L3_00017 Amount Added: 1.00 Units: mL

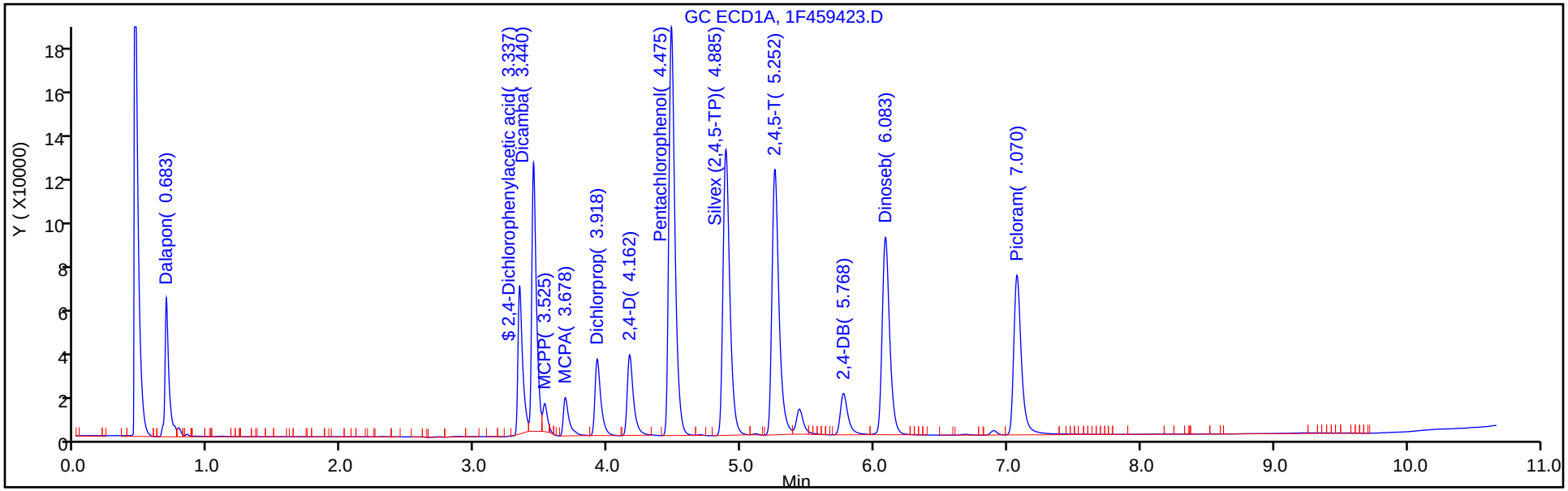
Report Date: 30-Dec-2019 10:29:57 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

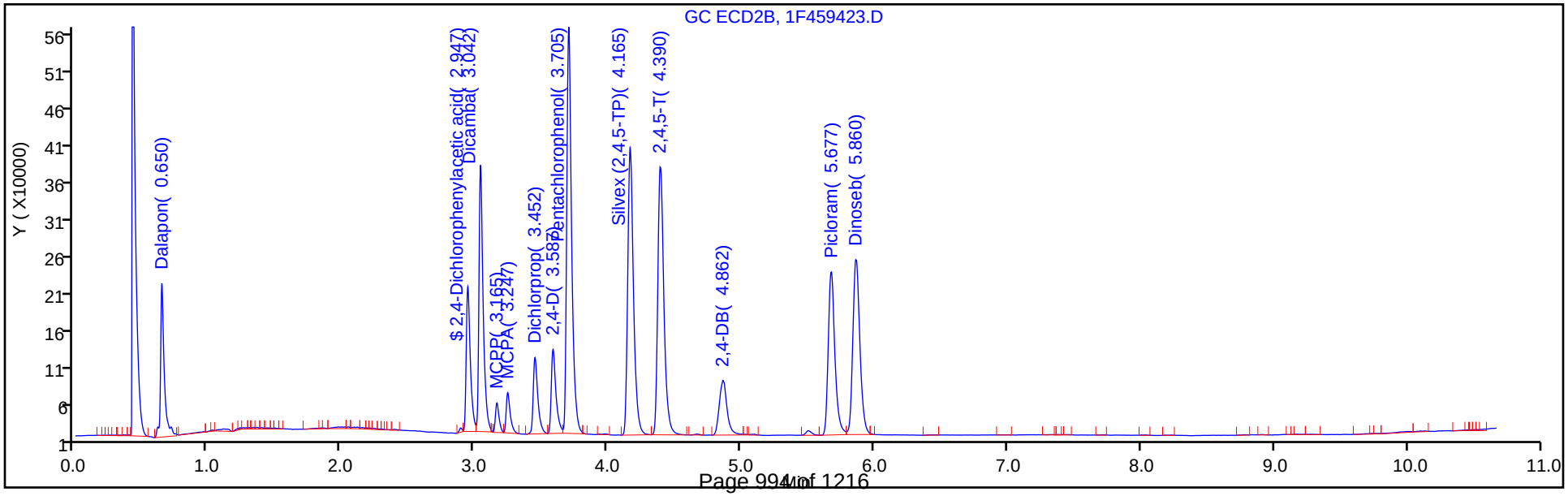
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459423.D

Injection Date:	28-Dec-2019 14:58:03	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	CCV HB12			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	41
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

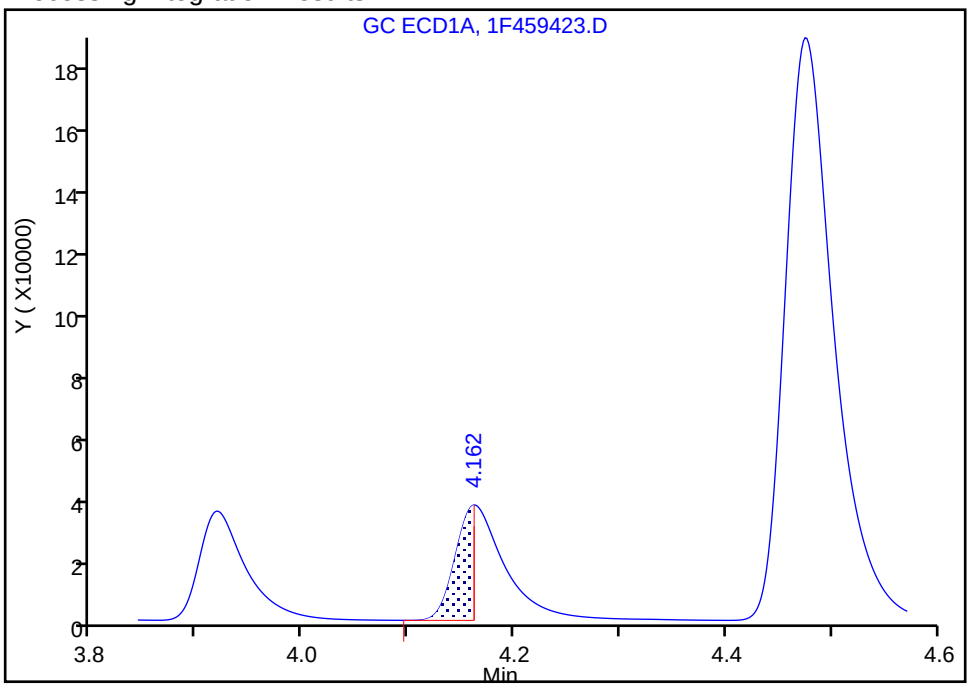
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459423.D
Injection Date: 28-Dec-2019 14:58:03 Instrument ID: CPESTGC1
Lims ID: CCV HB12
Client ID:
Operator ID: ALS Bottle#: 41 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL
Column: DB-5 (0.53 mm) Detector GC ECD1A

8 2,4-D, CAS: 94-75-7

Signal: 1

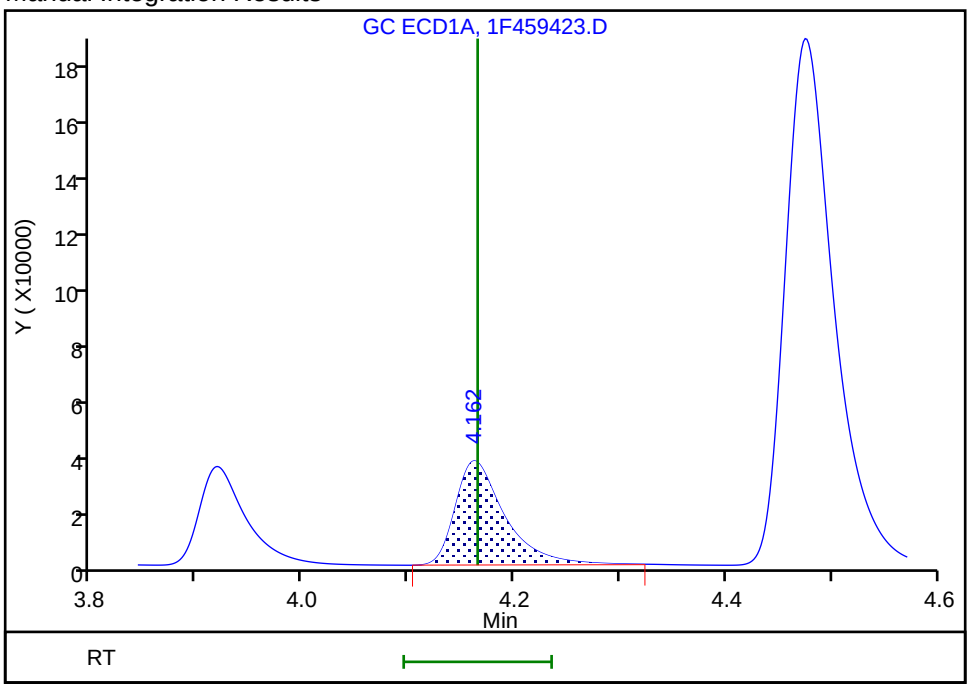
Processing Integration Results

RT: 4.16
Area: 42406
Amount: 255.8731
Amount Units: ug/l



Manual Integration Results

RT: 4.16
Area: 113810
Amount: 686.7170
Amount Units: ug/l



Reviewer: kapoors, 30-Dec-2019 10:29:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/21 Calibration Date: 12/28/2019 14:58

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-608 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459423.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	840.5	811.2		483	500	-3.5	15.0
Dicamba	Ave	1726	1573		456	500	-8.8	15.0
Mecoprop	Ave	1.371	1.533		55400	49500	11.8	15.0
MCPA	Ave	2.466	2.303		46800	50200	-6.6	15.0
Dichlorprop	Ave	522.4	498.9		477	500	-4.5	15.0
2,4-D	Ave	523.1	552.4		533	505	5.6	15.0
Pentachlorophenol	Ave	6217	5616		226	250	-9.7	15.0
Silvex (2,4,5-TP)	Ave	2474	2317		473	505	-6.4	15.0
2,4,5-T	Ave	2335	2314		495	500	-0.9	15.0
2,4-DB	Ave	414.5	594.5		717	500	43.4*	15.0
Picloram	Ave	2393	3241		320	236	35.4*	15.0
Dinoseb	Ave	1732	1724		503	505	-0.5	15.0
2,4-Dichlorophenylacetic acid	Ave	436.4	422.1		967	1000	-3.3	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: CCV 460-665567/21 Calibration Date: 12/28/2019 14:58

Instrument ID: CPESTGC1 Calib Start Date: 12/26/2019 15:48

GC Column: DB-608 ID: 0.53(mm) Calib End Date: 12/26/2019 16:57

Lab File ID: 1F459423.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.65	0.58	0.72
Dicamba	3.04	2.97	3.11
Mecoprop	3.17	3.10	3.24
MCPA	3.25	3.18	3.32
Dichlorprop	3.45	3.38	3.52
2,4-D	3.59	3.52	3.66
Pentachlorophenol	3.71	3.64	3.78
Silvex (2,4,5-TP)	4.17	4.10	4.24
2,4,5-T	4.39	4.33	4.47
2,4-DB	4.86	4.80	4.94
Picloram	5.68	5.61	5.75
Dinoseb	5.86	5.80	5.94
2,4-Dichlorophenylacetic acid	2.95	2.88	3.02

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459423.D
Lims ID: CCV HB12
Client ID:
Sample Type: CCV
Inject. Date: 28-Dec-2019 14:58:03 ALS Bottle#: 41 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-021
Operator ID: Instrument ID: CPESTGC1
Sublist: chrom-8151GC1*sub10

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 10:29:57 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

First Level Reviewer: kapoors Date: 30-Dec-2019 10:29:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	125235	500.0	582.5	
2	0.650	0.650	0.000	405585	500.0	482.5	
						RPD = 18.77	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.337	3.338	-0.001	156065	1000.0	1468.2	
2	2.947	2.948	-0.001	422126	1000.0	967.2	
						RPD = 41.14	
1 Dicamba							
1	3.440	3.443	-0.003	282893	500.0	542.4	
2	3.042	3.043	-0.001	786571	500.0	455.8	
						RPD = 17.35	
9 MCPP							
1	3.525	3.527	-0.002	28176	49528	48921	
2	3.165	3.167	-0.002	75903	49528	55355	
						RPD = 12.34	
3 MCPA							
1	3.678	3.682	-0.004	50349	50160	43695	
2	3.247	3.248	-0.001	115503	50160	46839	
						RPD = 6.94	
5 Dichlorprop							
1	3.918	3.922	-0.004	102076	499.8	560.8	
2	3.452	3.453	-0.001	249316	499.8	477.2	
						RPD = 16.10	
8 2,4-D							M
1	4.162	4.165	-0.003	113810	504.8	686.7	M
2	3.587	3.588	-0.001	278844	504.8	533.1	
						RPD = 25.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
10 Pentachlorophenol							
1	4.475	4.480	-0.005	568730	249.9	259.3	
2	3.705	3.707	-0.002	1403388	249.9	225.7	
						RPD = 13.82	
2 Silvex (2,4,5-TP)							
1	4.885	4.890	-0.005	441716	505.0	600.3	
2	4.165	4.168	-0.003	1169851	505.0	472.8	
						RPD = 23.75	
4 2,4,5-T							
1	5.252	5.257	-0.005	424090	500.0	723.4	
2	4.390	4.395	-0.005	1156978	500.0	495.4	
						RPD = 37.42	
6 2,4-DB							
1	5.768	5.772	-0.004	72623	500.0	824.8	
2	4.862	4.868	-0.006	297229	500.0	717.0	
						RPD = 13.98	
13 Dinoseb							
1	6.083	6.090	-0.007	337268	505.0	563.0	
2	5.860	5.867	-0.007	870745	505.0	502.6	
						RPD = 11.33	
7 Picloram							
1	7.070	7.077	-0.007	280923	236.3	422.7	
2	5.677	5.680	-0.003	765789	236.3	320.0	
						RPD = 27.68	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGHB MIX L3_00017 Amount Added: 1.00 Units: mL

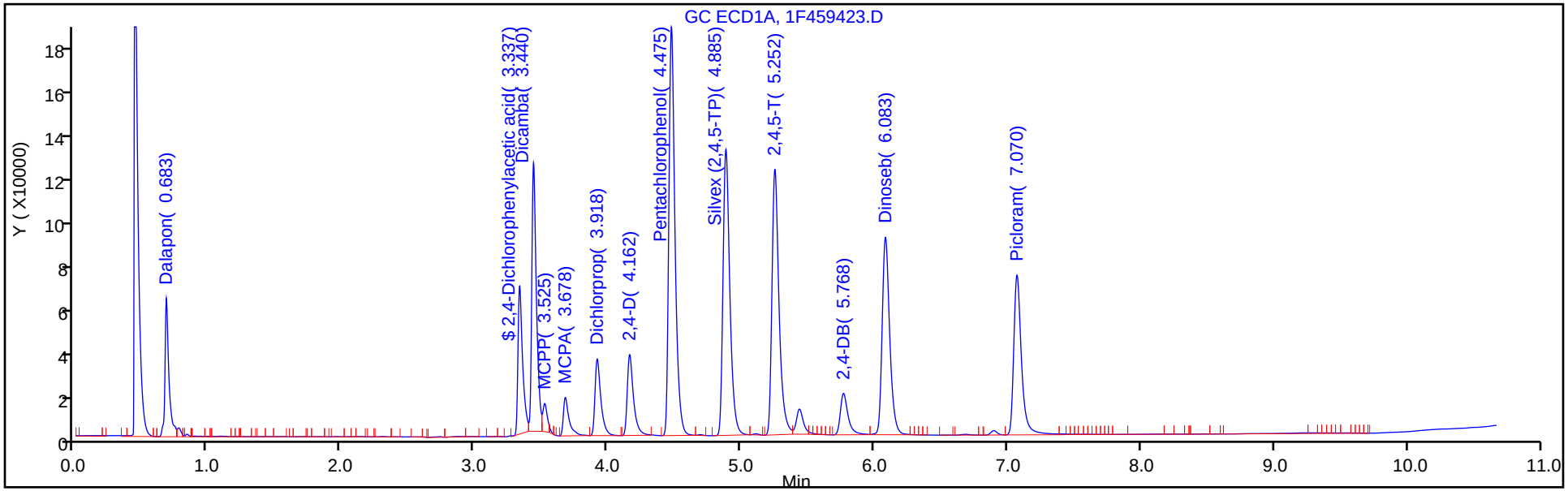
Report Date: 30-Dec-2019 10:29:58 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

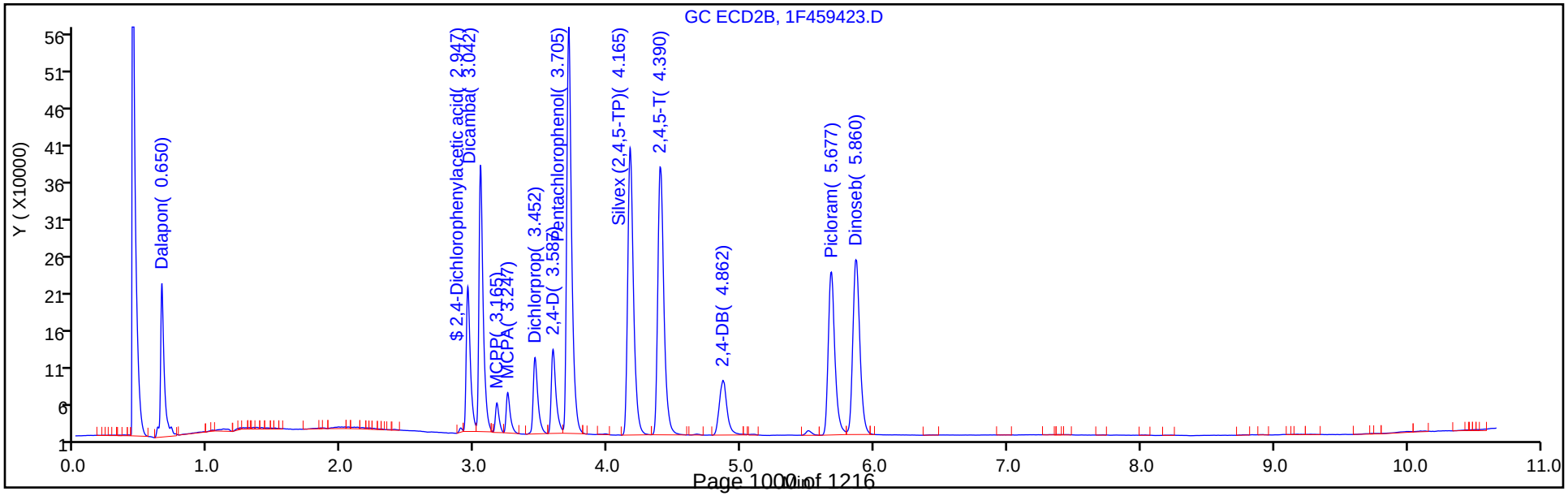
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459423.D

Injection Date:	28-Dec-2019 14:58:03	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	CCV HB12			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	41
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665272/1-A

Matrix: Water Lab File ID: 1F459415.D

Analysis Method: 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 13:08

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	*2,4-D*	*0.13*	*U*	*1.2*	*0.13*
93-72-1	*Silvex (2,4,5-TP)*	*0.11*	*U*	*1.2*	*0.11*
93-76-5	*2,4,5-T*	*0.12*	*U*	*1.2*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	186	*X*	54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459415.D
Lims ID: MB 460-665272/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Dec-2019 13:08:02 ALS Bottle#: 33 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-013
Operator ID: Instrument ID: CPESTGC1

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

First Level Reviewer: kapoors Date: 30-Dec-2019 07:34:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid							
1	3.335	3.338	-0.003	309627	1666.7	3106.0	
2	2.948	2.948	0.000	869663	1666.7	1992.7	
						RPD = 43.67	

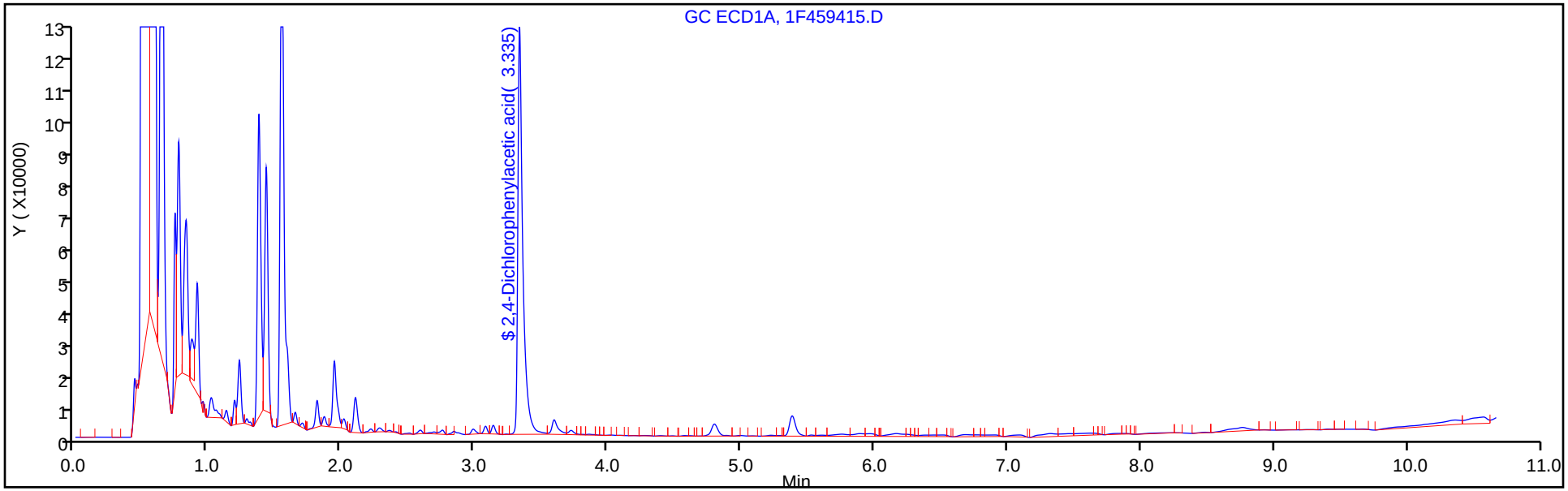
Report Date: 30-Dec-2019 09:07:00 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

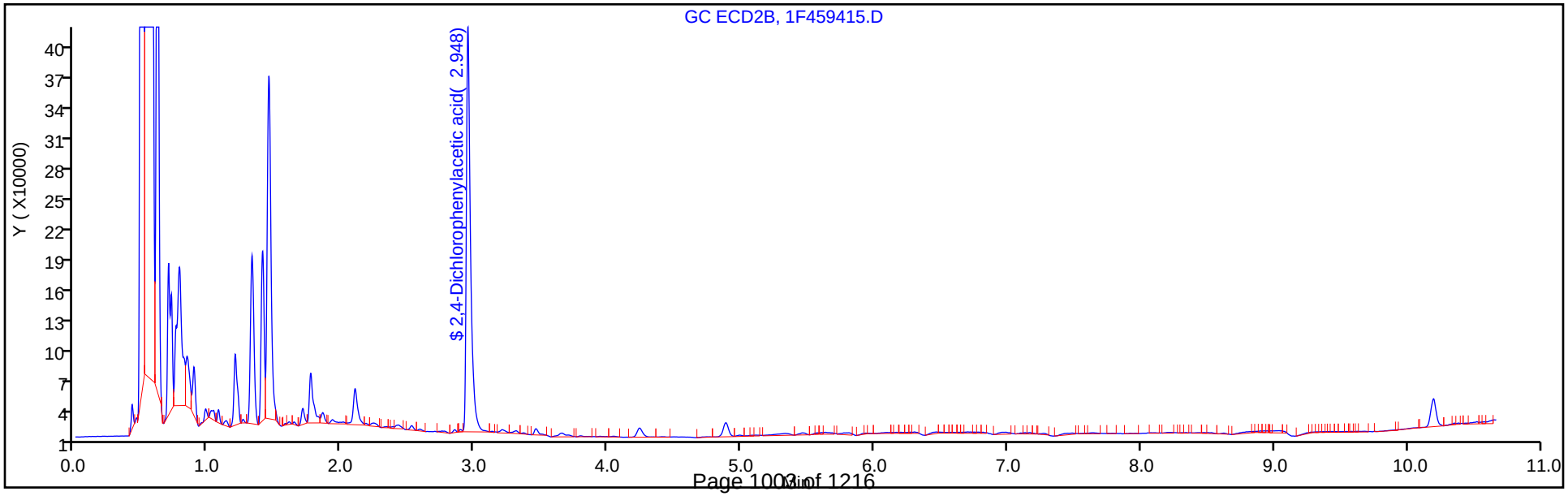
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459415.D

Injection Date:	28-Dec-2019 13:08:02	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	MB 460-665272/1-A			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459415.D

Injection Date: 28-Dec-2019 13:08:02 Instrument ID: CPESTGC1

Lims ID: MB 460-665272/1-A

Client ID:

Operator ID: ALS Bottle#: 33 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL

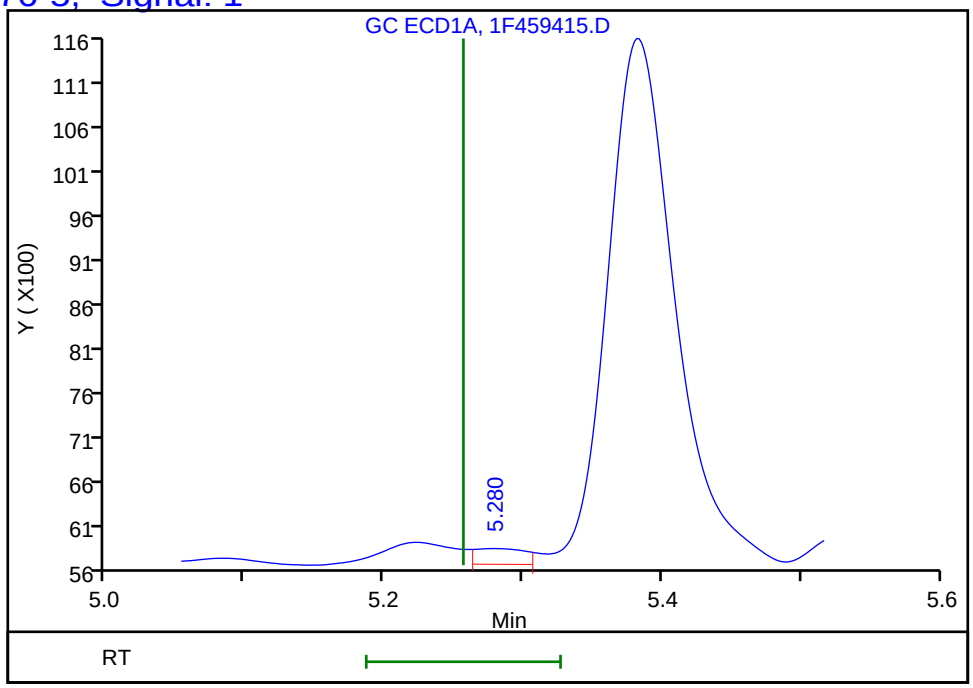
Column: DB-5 (0.53 mm) Detector GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

RT: 5.28

Response: 430

Amount: 0.733493



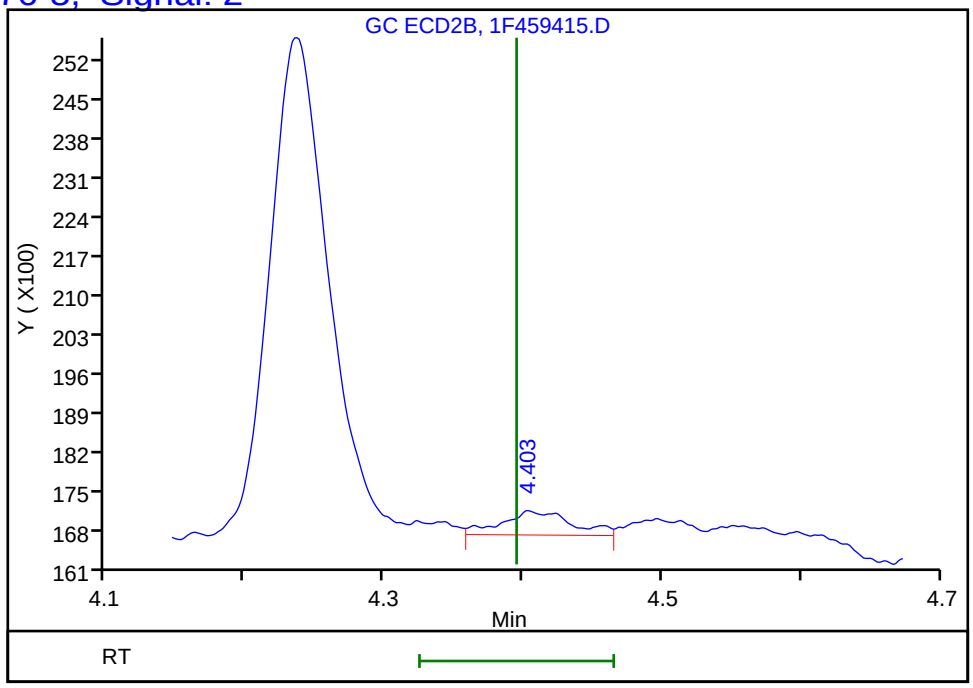
Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.40

Response: 1493

Amount: 0.639271



Reviewer: kapoors, 30-Dec-2019 07:34:58

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

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665272/1-A

Matrix: Water Lab File ID: 1F459415.D

Analysis Method: 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 13:08

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-608 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.13	U	1.2	0.13
93-72-1	Silvex (2,4,5-TP)	0.11	U	1.2	0.11
93-76-5	2,4,5-T	0.12	U	1.2	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	120		54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459415.D
Lims ID: MB 460-665272/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Dec-2019 13:08:02 ALS Bottle#: 33 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-013
Operator ID: Instrument ID: CPESTGC1

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

First Level Reviewer: kapoors Date: 30-Dec-2019 07:34:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 2,4-Dichlorophenylacetic acid							
1	3.335	3.338	-0.003	309627	1666.7	3106.0	
2	2.948	2.948	0.000	869663	1666.7	1992.7	
						RPD = 43.67	

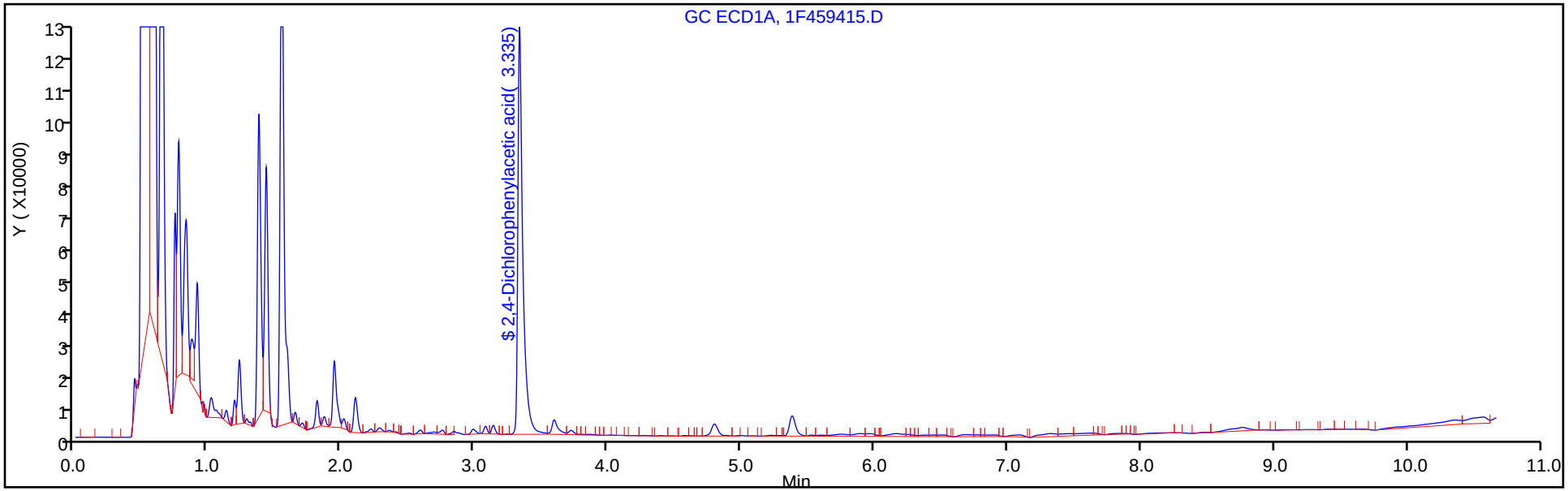
Report Date: 30-Dec-2019 09:07:01 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

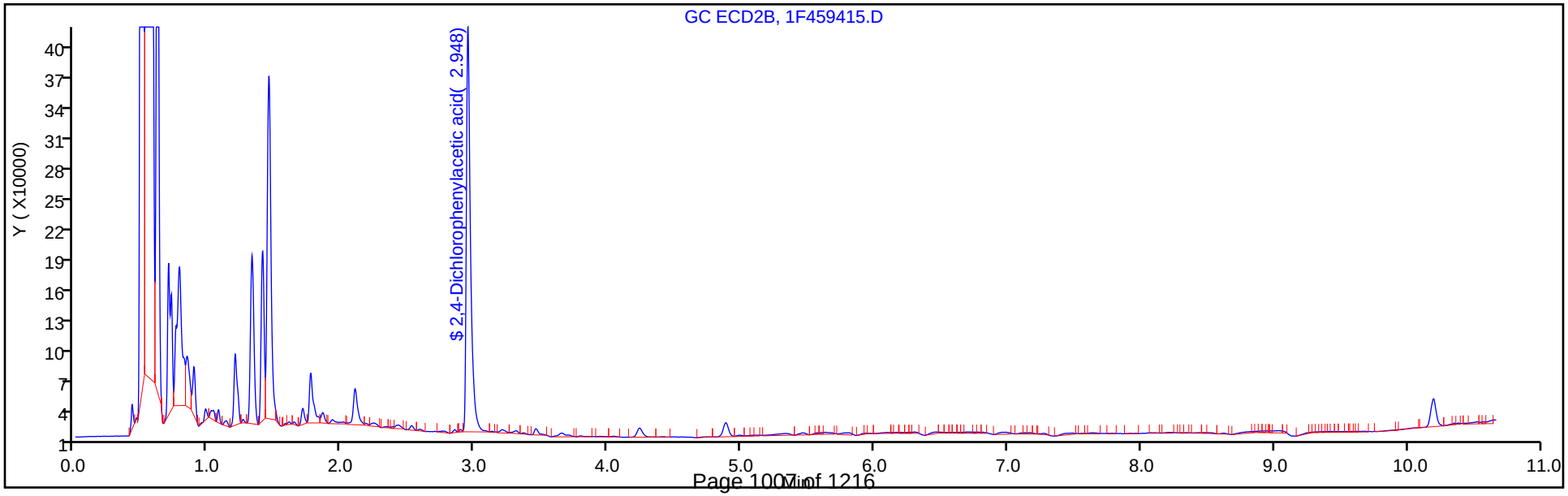
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459415.D

Injection Date:	28-Dec-2019 13:08:02	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	MB 460-665272/1-A			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459415.D

Injection Date: 28-Dec-2019 13:08:02 Instrument ID: CPESTGC1

Lims ID: MB 460-665272/1-A

Client ID:

Operator ID: ALS Bottle#: 33 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8151GC1 Limit Group: SV GC 8151 HERBS ICAL

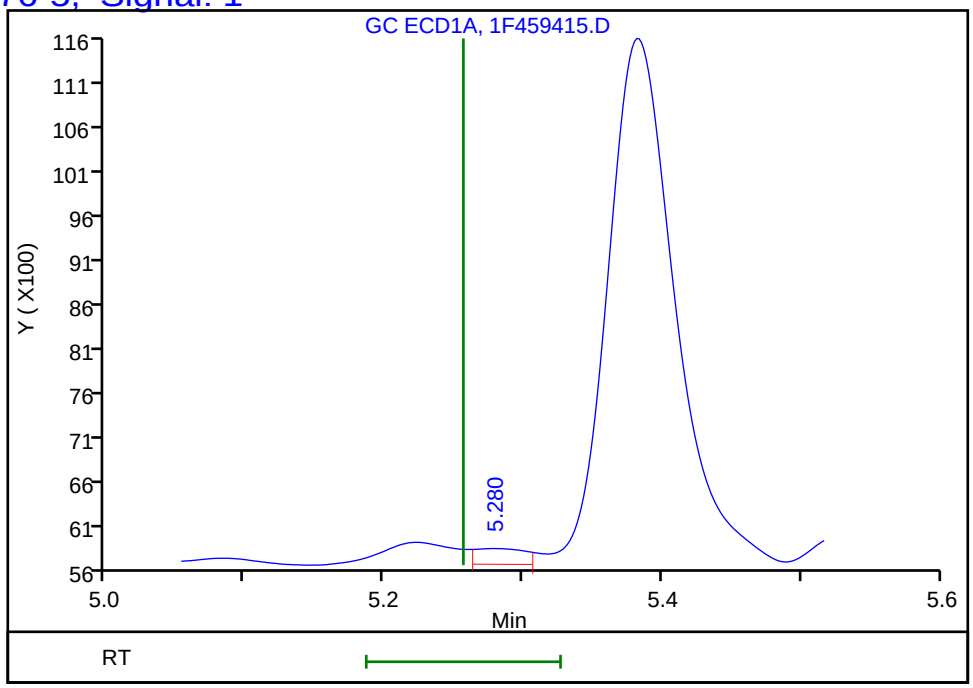
Column: DB-5 (0.53 mm) Detector GC ECD1A

4 2,4,5-T, CAS: 93-76-5, Signal: 1

RT: 5.28

Response: 430

Amount: 0.733493



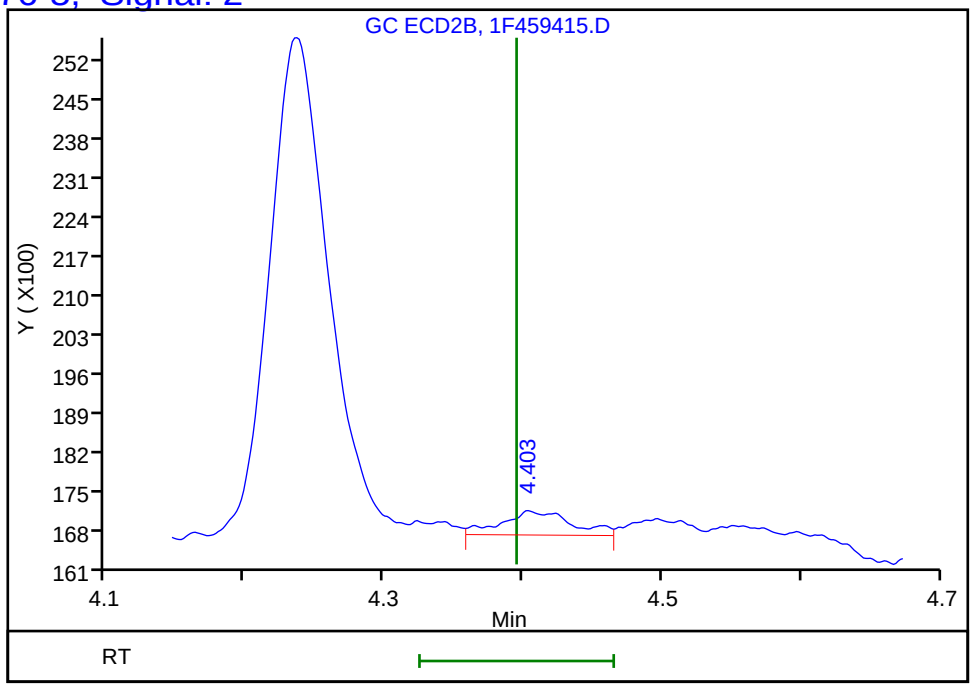
Column: DB-608 (0.53 mm) Detector GC ECD2B

4 2,4,5-T, CAS: 93-76-5, Signal: 2

RT: 4.40

Response: 1493

Amount: 0.639271



Reviewer: kapoors, 30-Dec-2019 07:34:58

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

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665272/2-A

Matrix: Water Lab File ID: 1F459416.D

Analysis Method: 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 13:21

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	*2,4-D*	*24.8*		*1.2*	*0.13*
93-72-1	*Silvex (2,4,5-TP)*	*5.11*		*1.2*	*0.11*
93-76-5	*2,4,5-T*	*6.04*		*1.2*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	172	*X*	54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459416.D
Lims ID: LCS 460-665272/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Dec-2019 13:21:42 ALS Bottle#: 34 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-014
Operator ID: Instrument ID: CPESTGC1

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	191443	1333.3	952.0	
2	0.650	0.650	0.000	505829	1333.3	601.8	
						RPD = 45.08	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.337	3.338	-0.001	287604	1666.7	2871.1	
2	2.948	2.948	0.000	810559	1666.7	1857.3	
						RPD = 42.88	
1 Dicamba							
1	3.442	3.443	-0.001	345325	666.7	662.1	
2	3.045	3.043	0.002	963296	666.7	558.2	
						RPD = 17.03	
9 MCPP							
1	3.527	3.527	0.000	70951	133333	123191	E
2	3.167	3.167	0.000	194099	133333	141554	E
						RPD = 13.87	
3 MCPA							
1	3.680	3.682	-0.002	107962	133333	93694	
2	3.247	3.248	-0.001	294875	133333	119577	E
						RPD = 24.27	
5 Dichlorprop							
1	3.918	3.922	-0.004	83179	1333.3	457.0	
2	3.452	3.453	-0.001	605158	1333.3	1158.4	E
						RPD = 86.84	
8 2,4-D							
1	4.165	4.165	0.000	341993	1333.3	2063.5	E
2	3.588	3.588	0.000	499815	1333.3	955.5	
						RPD = 73.41	
10 Pentachlorophenol							
1	4.477	4.480	-0.003	687075	333.3	313.2	
2	3.705	3.707	-0.002	1667126	333.3	268.2	
						RPD = 15.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	4.885	4.890	-0.005	313388	333.3	425.9	
2	4.167	4.168	-0.001	820246	333.3	331.5	
						RPD = 24.91	
4 2,4,5-T							
1	5.253	5.257	-0.004	295086	333.3	503.4	
2	4.393	4.395	-0.002	826483	333.3	353.9	
						RPD = 34.87	
6 2,4-DB							
1	5.767	5.772	-0.005	159322	1333.3	1809.4	E
2	4.868	4.868	0.000	472312	1333.3	1139.3	E
						RPD = 45.45	
13 Dinoseb							
1	6.083	6.090	-0.007	707677	1333.3	1181.4	E
2	5.862	5.867	-0.005	1762977	1333.3	1017.7	E
						RPD = 14.89	
7 Picloram							
1	7.070	7.077	-0.007	1049613	1333.3	1579.5	E
2	5.675	5.680	-0.005	2805179	1333.3	1172.0	E
						RPD = 29.62	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

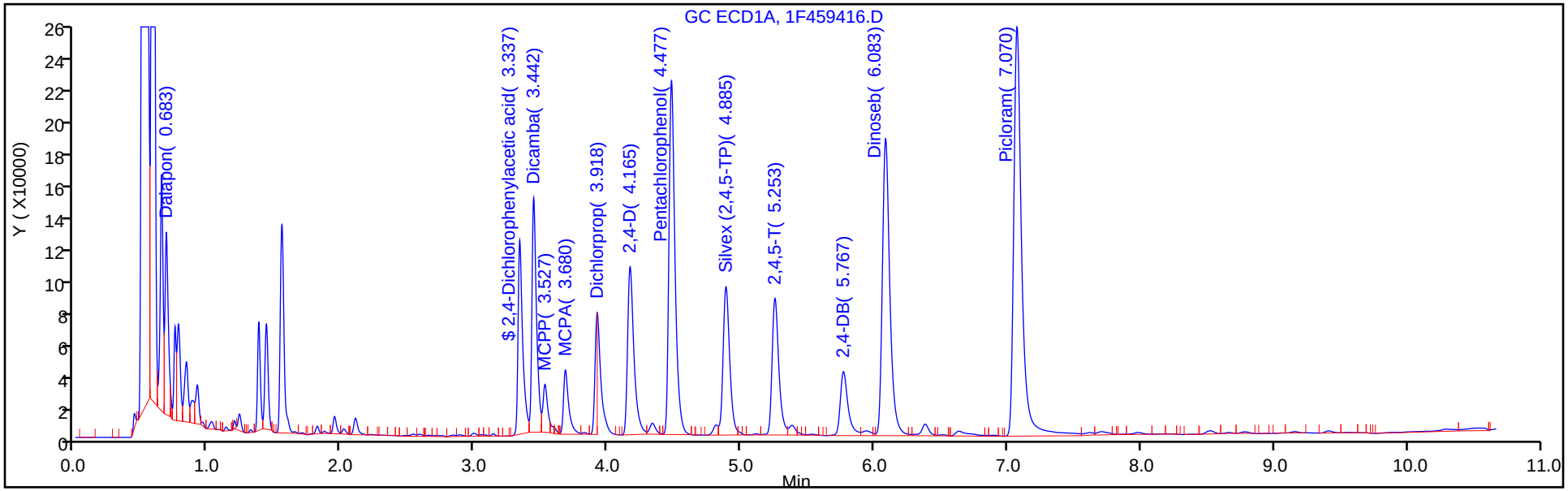
Report Date: 30-Dec-2019 09:07:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

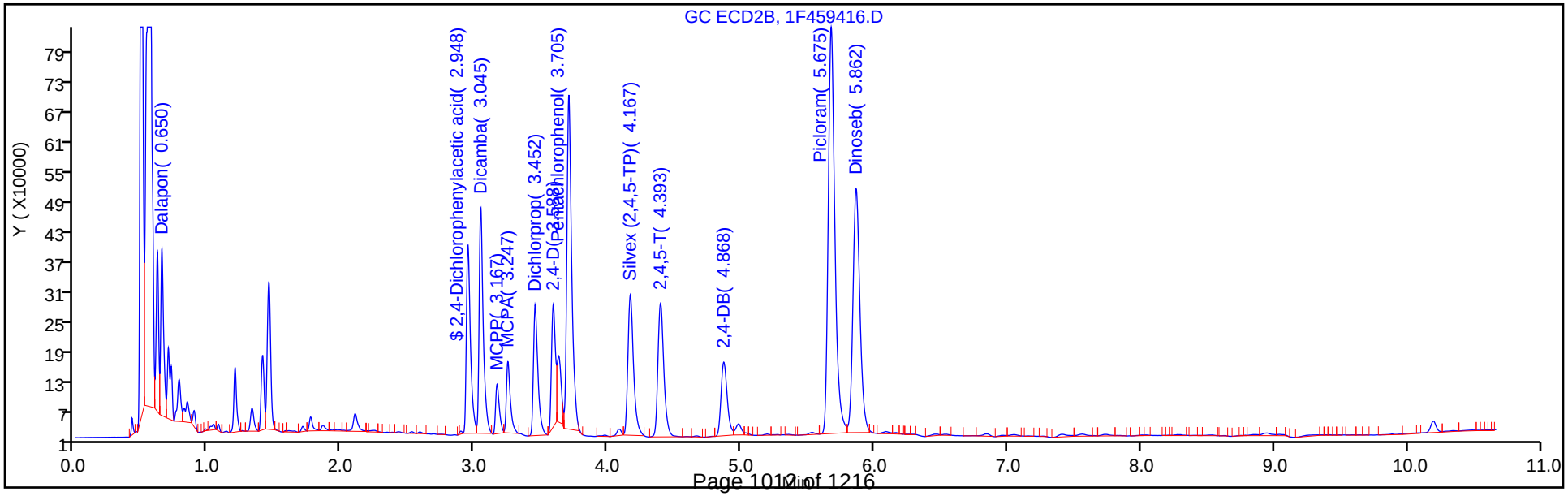
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459416.D

Injection Date:	28-Dec-2019 13:21:42	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	LCS 460-665272/2-A			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665272/2-A

Matrix: Water Lab File ID: 1F459416.D

Analysis Method: 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 13:21

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-608 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	11.5		1.2	0.13
93-72-1	Silvex (2,4,5-TP)	3.98		1.2	0.11
93-76-5	2,4,5-T	4.25		1.2	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	111		54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459416.D
Lims ID: LCS 460-665272/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Dec-2019 13:21:42 ALS Bottle#: 34 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-014
Operator ID: Instrument ID: CPESTGC1

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	191443	1333.3	952.0	
2	0.650	0.650	0.000	505829	1333.3	601.8	
						RPD = 45.08	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.337	3.338	-0.001	287604	1666.7	2871.1	
2	2.948	2.948	0.000	810559	1666.7	1857.3	
						RPD = 42.88	
1 Dicamba							
1	3.442	3.443	-0.001	345325	666.7	662.1	
2	3.045	3.043	0.002	963296	666.7	558.2	
						RPD = 17.03	
9 MCPP							
1	3.527	3.527	0.000	70951	133333	123191	E
2	3.167	3.167	0.000	194099	133333	141554	E
						RPD = 13.87	
3 MCPA							
1	3.680	3.682	-0.002	107962	133333	93694	
2	3.247	3.248	-0.001	294875	133333	119577	E
						RPD = 24.27	
5 Dichlorprop							
1	3.918	3.922	-0.004	83179	1333.3	457.0	
2	3.452	3.453	-0.001	605158	1333.3	1158.4	E
						RPD = 86.84	
8 2,4-D							
1	4.165	4.165	0.000	341993	1333.3	2063.5	E
2	3.588	3.588	0.000	499815	1333.3	955.5	
						RPD = 73.41	
10 Pentachlorophenol							
1	4.477	4.480	-0.003	687075	333.3	313.2	
2	3.705	3.707	-0.002	1667126	333.3	268.2	
						RPD = 15.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	4.885	4.890	-0.005	313388	333.3	425.9	
2	4.167	4.168	-0.001	820246	333.3	331.5	
						RPD = 24.91	
4 2,4,5-T							
1	5.253	5.257	-0.004	295086	333.3	503.4	
2	4.393	4.395	-0.002	826483	333.3	353.9	
						RPD = 34.87	
6 2,4-DB							
1	5.767	5.772	-0.005	159322	1333.3	1809.4	E
2	4.868	4.868	0.000	472312	1333.3	1139.3	E
						RPD = 45.45	
13 Dinoseb							
1	6.083	6.090	-0.007	707677	1333.3	1181.4	E
2	5.862	5.867	-0.005	1762977	1333.3	1017.7	E
						RPD = 14.89	
7 Picloram							
1	7.070	7.077	-0.007	1049613	1333.3	1579.5	E
2	5.675	5.680	-0.005	2805179	1333.3	1172.0	E
						RPD = 29.62	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

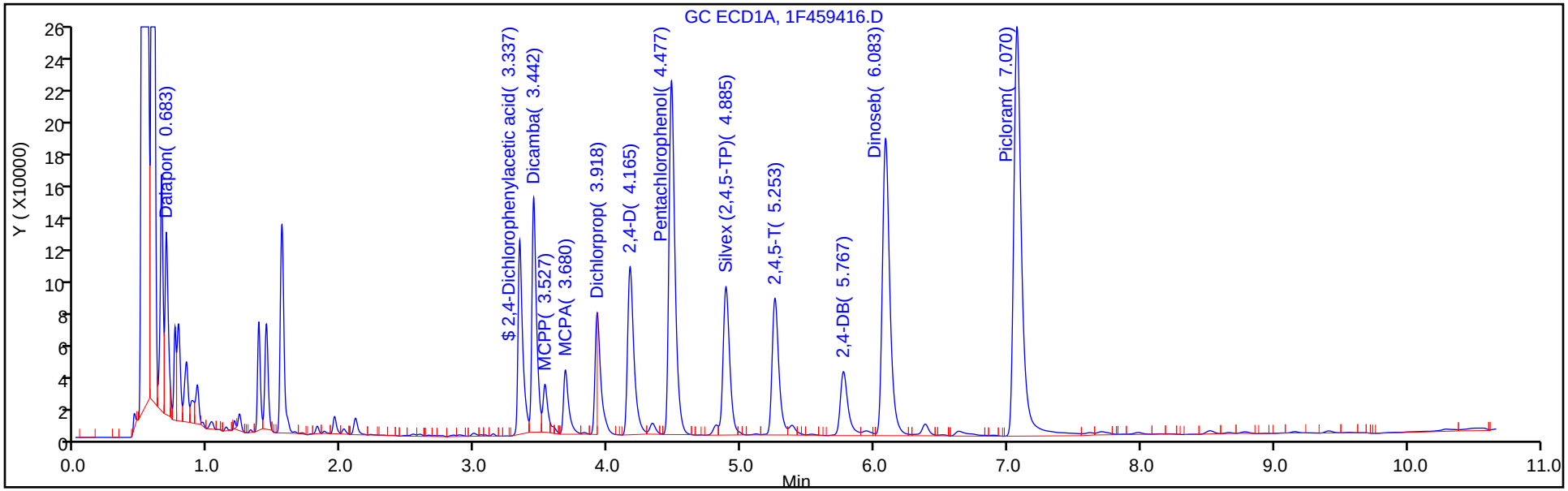
Report Date: 30-Dec-2019 09:07:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

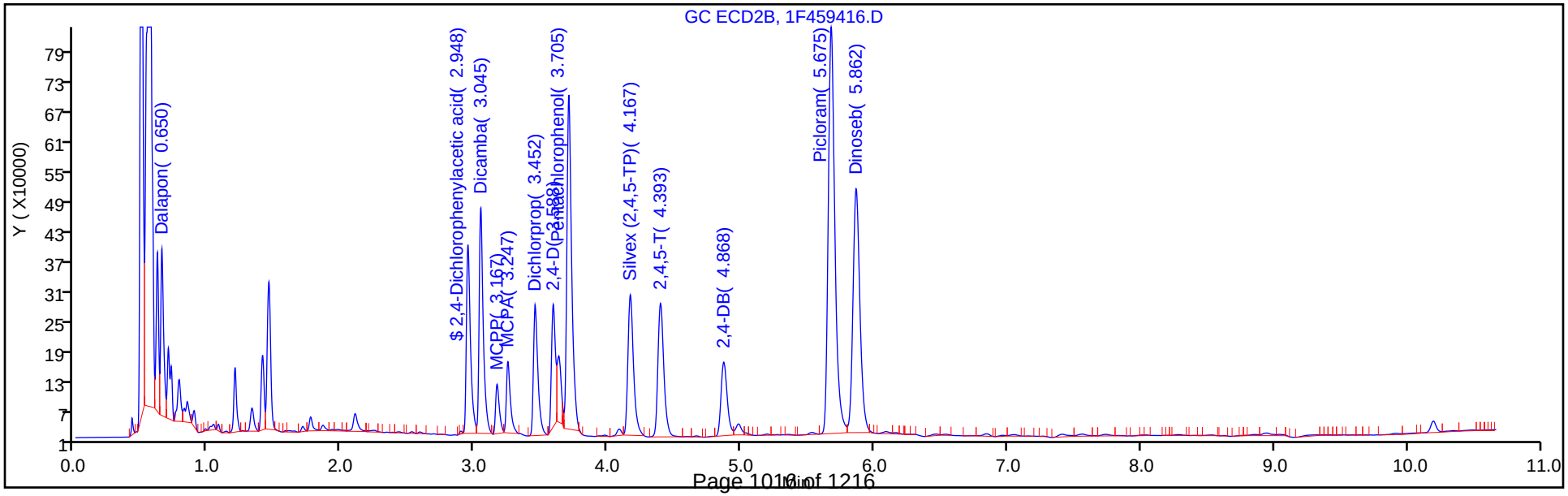
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459416.D

Injection Date:	28-Dec-2019 13:21:42	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	LCS 460-665272/2-A			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665272/3-A

Matrix: Water Lab File ID: 1F459417.D

Analysis Method: 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 13:35

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	*2,4-D*	*24.0*		*1.2*	*0.13*
93-72-1	*Silvex (2,4,5-TP)*	*4.94*		*1.2*	*0.11*
93-76-5	*2,4,5-T*	*5.87*		*1.2*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	166	*X*	54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459417.D
Lims ID: LCSD 460-665272/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Dec-2019 13:35:33 ALS Bottle#: 35 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-015
Operator ID: Instrument ID: CPESTGC1

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	182995	1333.3	904.9	
2	0.650	0.650	0.000	487458	1333.3	579.9	
						RPD = 43.77	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.337	3.338	-0.001	277150	1666.7	2759.6	
2	2.947	2.948	-0.001	777141	1666.7	1780.7	
						RPD = 43.12	
1 Dicamba							
1	3.442	3.443	-0.001	335117	666.7	642.5	
2	3.043	3.043	0.000	927553	666.7	537.5	
						RPD = 17.80	
9 MCPP							
1	3.527	3.527	0.000	68403	133333	118767	E
2	3.167	3.167	0.000	186899	133333	136303	E
						RPD = 13.75	
3 MCPA							
1	3.680	3.682	-0.002	104571	133333	90751	
2	3.248	3.248	0.000	284043	133333	115185	E
						RPD = 23.73	
5 Dichlorprop							
1	3.918	3.922	-0.004	219312	1333.3	1204.9	E
2	3.453	3.453	0.000	581535	1333.3	1113.2	E
						RPD = 7.91	
8 2,4-D							
1	4.167	4.165	0.002	331792	1333.3	2002.0	E
2	3.588	3.588	0.000	477914	1333.3	913.6	
						RPD = 74.66	
10 Pentachlorophenol							
1	4.477	4.480	-0.003	666000	333.3	303.6	
2	3.707	3.707	0.000	1604628	333.3	258.1	
						RPD = 16.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	4.887	4.890	-0.003	302942	333.3	411.7	
2	4.167	4.168	-0.001	807117	333.3	326.2	
						RPD = 23.16	
4 2,4,5-T							
1	5.253	5.257	-0.004	286811	333.3	489.2	
2	4.395	4.395	0.000	791701	333.3	339.0	
						RPD = 36.28	
6 2,4-DB							
1	5.768	5.772	-0.004	61630	1333.3	699.9	
2	4.870	4.868	0.002	448603	1333.3	1082.2	E
						RPD = 42.90	
13 Dinoseb							
1	6.085	6.090	-0.005	689605	1333.3	1151.2	E
2	5.862	5.867	-0.005	1711615	1333.3	988.0	
						RPD = 15.25	
7 Picloram							
1	7.070	7.077	-0.007	1003326	1333.3	1509.8	E
2	5.677	5.680	-0.003	2669718	1333.3	1115.4	E
						RPD = 30.04	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

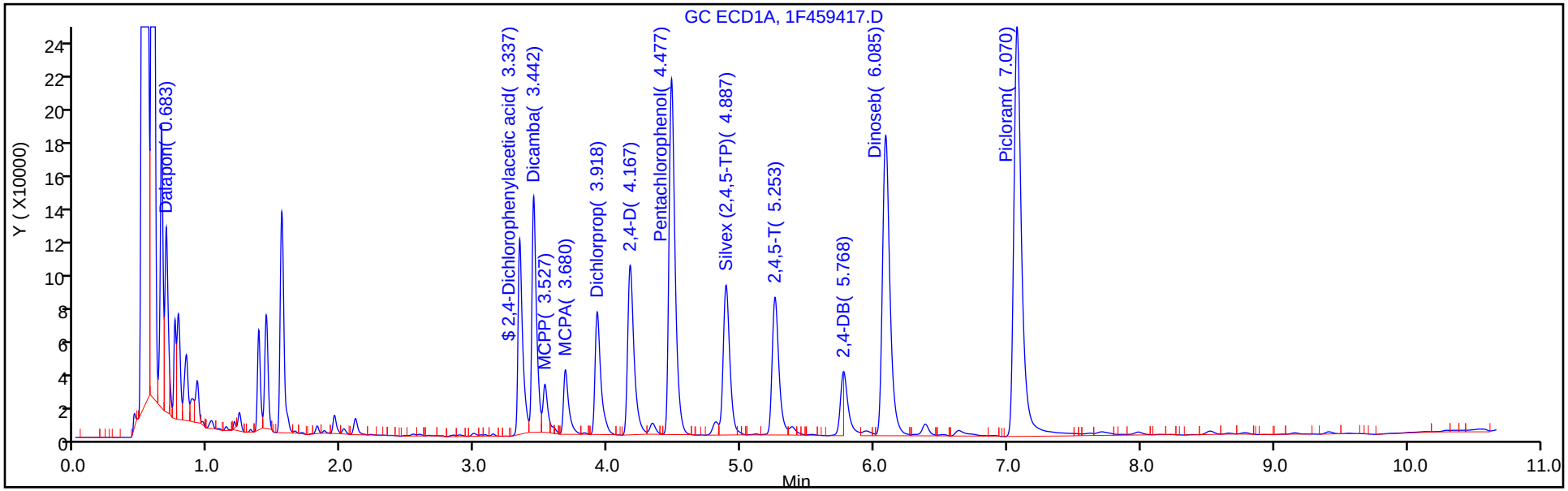
Report Date: 30-Dec-2019 09:07:13 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

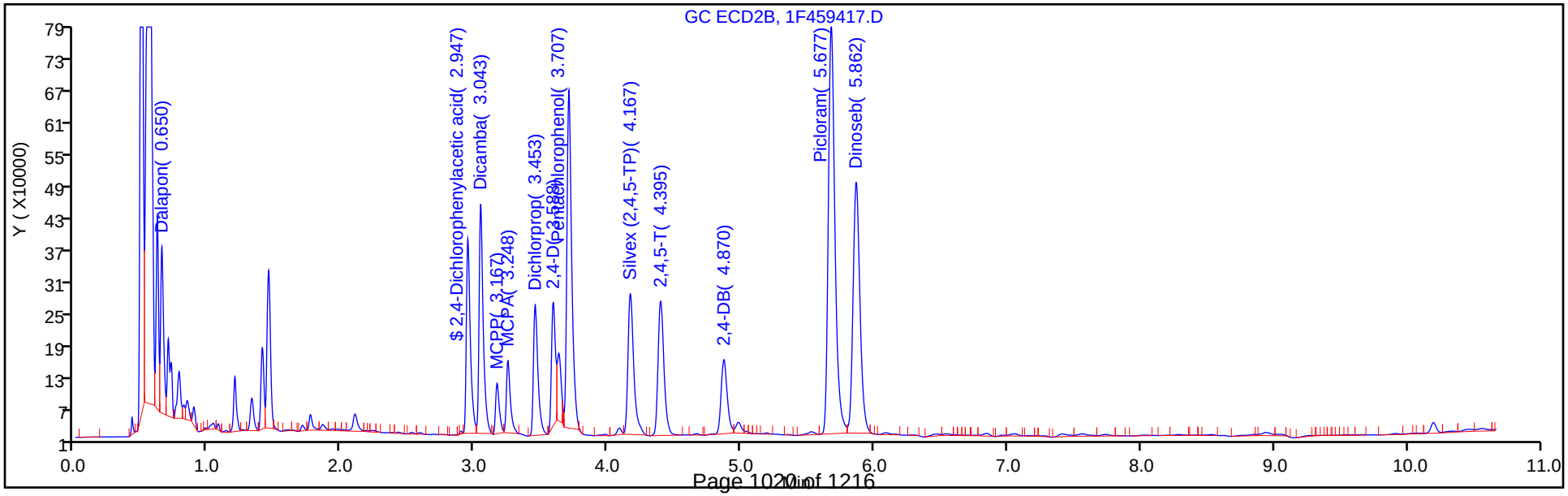
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459417.D

Injection Date:	28-Dec-2019 13:35:33	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	LCSD 460-665272/3-A			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665272/3-A

Matrix: Water Lab File ID: 1F459417.D

Analysis Method: 8151A Date Collected:

Extraction Method: 8151A Date Extracted: 12/26/2019 23:47

Sample wt/vol: 250(mL) Date Analyzed: 12/28/2019 13:35

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-608 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 665567 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	11.0		1.2	0.13
93-72-1	Silvex (2,4,5-TP)	3.91		1.2	0.11
93-76-5	2,4,5-T	4.07		1.2	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	107		54-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459417.D
Lims ID: LCSD 460-665272/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Dec-2019 13:35:33 ALS Bottle#: 35 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103572-015
Operator ID: Instrument ID: CPESTGC1

Method: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\8151GC1.m
Limit Group: SV GC 8151 HERBS ICAL
Last Update: 30-Dec-2019 09:05:54 Calib Date: 26-Dec-2019 16:57:34
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC1\20191226-103464.b\1F459356.D

Column 1 : DB-5 (0.53 mm) Det: GC ECD1A
Column 2 : DB-608 (0.53 mm) Det: GC ECD2B
Process Host: CTX0336

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Dalapon							
1	0.683	0.683	0.000	182995	1333.3	904.9	
2	0.650	0.650	0.000	487458	1333.3	579.9	
						RPD = 43.77	
$ 11 2,4-Dichlorophenylacetic acid							
1	3.337	3.338	-0.001	277150	1666.7	2759.6	
2	2.947	2.948	-0.001	777141	1666.7	1780.7	
						RPD = 43.12	
1 Dicamba							
1	3.442	3.443	-0.001	335117	666.7	642.5	
2	3.043	3.043	0.000	927553	666.7	537.5	
						RPD = 17.80	
9 MCPP							
1	3.527	3.527	0.000	68403	133333	118767	E
2	3.167	3.167	0.000	186899	133333	136303	E
						RPD = 13.75	
3 MCPA							
1	3.680	3.682	-0.002	104571	133333	90751	
2	3.248	3.248	0.000	284043	133333	115185	E
						RPD = 23.73	
5 Dichlorprop							
1	3.918	3.922	-0.004	219312	1333.3	1204.9	E
2	3.453	3.453	0.000	581535	1333.3	1113.2	E
						RPD = 7.91	
8 2,4-D							
1	4.167	4.165	0.002	331792	1333.3	2002.0	E
2	3.588	3.588	0.000	477914	1333.3	913.6	
						RPD = 74.66	
10 Pentachlorophenol							
1	4.477	4.480	-0.003	666000	333.3	303.6	
2	3.707	3.707	0.000	1604628	333.3	258.1	
						RPD = 16.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Silvex (2,4,5-TP)							
1	4.887	4.890	-0.003	302942	333.3	411.7	
2	4.167	4.168	-0.001	807117	333.3	326.2	
						RPD = 23.16	
4 2,4,5-T							
1	5.253	5.257	-0.004	286811	333.3	489.2	
2	4.395	4.395	0.000	791701	333.3	339.0	
						RPD = 36.28	
6 2,4-DB							
1	5.768	5.772	-0.004	61630	1333.3	699.9	
2	4.870	4.868	0.002	448603	1333.3	1082.2	E
						RPD = 42.90	
13 Dinoseb							
1	6.085	6.090	-0.005	689605	1333.3	1151.2	E
2	5.862	5.867	-0.005	1711615	1333.3	988.0	
						RPD = 15.25	
7 Picloram							
1	7.070	7.077	-0.007	1003326	1333.3	1509.8	E
2	5.677	5.680	-0.003	2669718	1333.3	1115.4	E
						RPD = 30.04	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

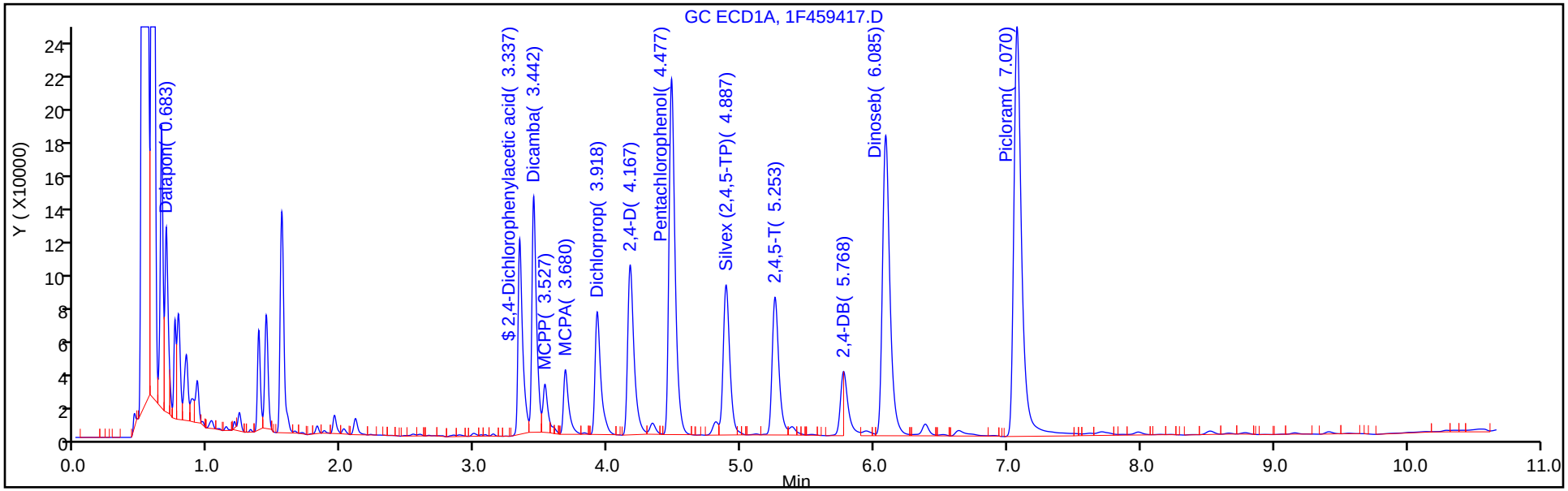
Report Date: 30-Dec-2019 09:07:13 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

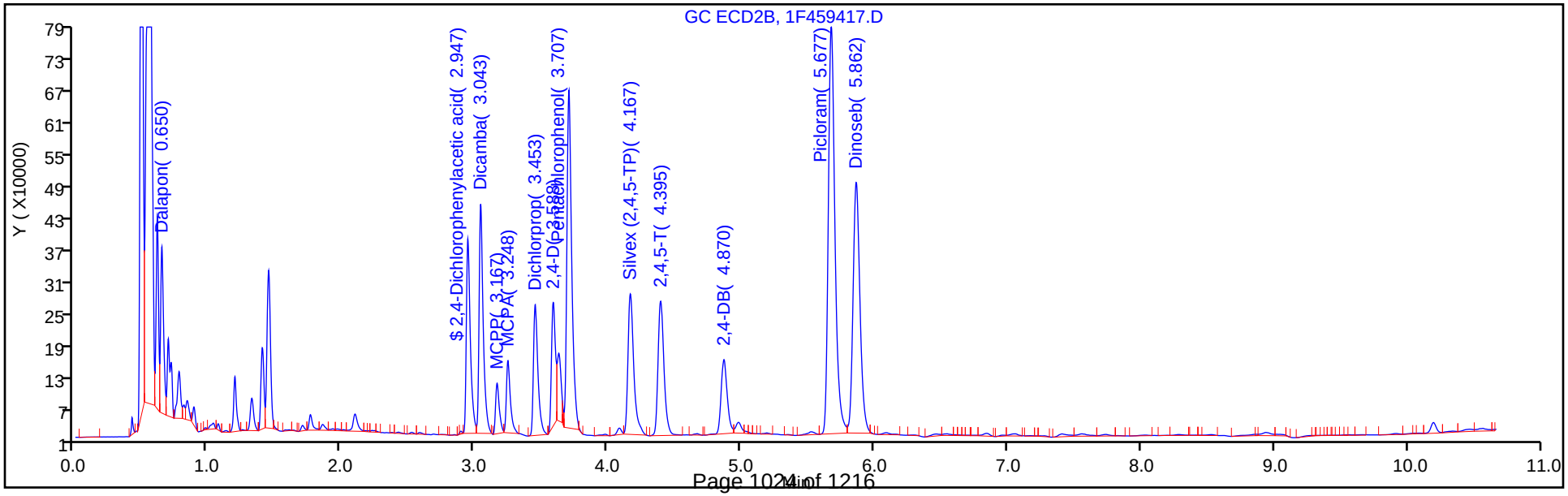
Data File: \\chromna\Edison\ChromData\CPESTGC1\20191228-103572.b\1F459417.D

Injection Date:	28-Dec-2019 13:35:33	Instrument ID:	CPESTGC1	Operator ID:	
Lims ID:	LCSD 460-665272/3-A			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	8151GC1	Limit Group:	SV GC 8151 HERBS ICAL		

Column: DB-5 (0.53 mm)



Column: DB-608 (0.53 mm)



HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CPESTGC1 Start Date: 12/26/2019 15:48

Analysis Batch Number: 665151 End Date: 12/26/2019 17:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 460-665151/2		12/26/2019 15:48	1	1F459351.D	DB-5 0.53(mm)
IC 460-665151/2		12/26/2019 15:48	1	1F459351.D	DB-608 0.53(mm)
IC 460-665151/3		12/26/2019 16:02	1	1F459352.D	DB-5 0.53(mm)
IC 460-665151/3		12/26/2019 16:02	1	1F459352.D	DB-608 0.53(mm)
IC 460-665151/4 ICRT		12/26/2019 16:16	1	1F459353.D	DB-5 0.53(mm)
IC 460-665151/4 ICRT		12/26/2019 16:16	1	1F459353.D	DB-608 0.53(mm)
IC 460-665151/5		12/26/2019 16:30	1	1F459354.D	DB-5 0.53(mm)
IC 460-665151/5		12/26/2019 16:30	1	1F459354.D	DB-608 0.53(mm)
IC 460-665151/6		12/26/2019 16:43	1	1F459355.D	DB-5 0.53(mm)
IC 460-665151/6		12/26/2019 16:43	1	1F459355.D	DB-608 0.53(mm)
IC 460-665151/7		12/26/2019 16:57	1	1F459356.D	DB-5 0.53(mm)
IC 460-665151/7		12/26/2019 16:57	1	1F459356.D	DB-608 0.53(mm)
ICV 460-665151/8		12/26/2019 17:11	1		DB-5 0.53(mm)
ICV 460-665151/8		12/26/2019 17:11	1		DB-608 0.53(mm)

HERBICIDES ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: CPESTGC1 Start Date: 12/28/2019 09:44

Analysis Batch Number: 665567 End Date: 12/28/2019 14:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-665567/1		12/28/2019 09:44	1	1F459403.D	DB-5 0.53(mm)
CCV 460-665567/1		12/28/2019 09:44	1	1F459403.D	DB-608 0.53(mm)
ZZZZZ		12/28/2019 10:07	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 10:07	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 10:20	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 10:20	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 10:34	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 10:34	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 10:48	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 10:48	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 11:02	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 11:02	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 11:15	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 11:15	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 11:29	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 11:29	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 12:13	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 12:13	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 12:26	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 12:26	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 12:40	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 12:40	1		DB-608 0.53(mm)
ZZZZZ		12/28/2019 12:54	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 12:54	1		DB-608 0.53(mm)
MB 460-665272/1-A		12/28/2019 13:08	1	1F459415.D	DB-5 0.53(mm)
MB 460-665272/1-A		12/28/2019 13:08	1	1F459415.D	DB-608 0.53(mm)
LCS 460-665272/2-A		12/28/2019 13:21	1	1F459416.D	DB-5 0.53(mm)
LCS 460-665272/2-A		12/28/2019 13:21	1	1F459416.D	DB-608 0.53(mm)
LCSD 460-665272/3-A		12/28/2019 13:35	1	1F459417.D	DB-5 0.53(mm)
LCSD 460-665272/3-A		12/28/2019 13:35	1	1F459417.D	DB-608 0.53(mm)
ZZZZZ		12/28/2019 13:49	1		DB-5 0.53(mm)
ZZZZZ		12/28/2019 13:49	1		DB-608 0.53(mm)
460-199723-1		12/28/2019 14:03	1	1F459419.D	DB-5 0.53(mm)
460-199723-1		12/28/2019 14:03	1	1F459419.D	DB-608 0.53(mm)
460-199723-2		12/28/2019 14:16	1	1F459420.D	DB-5 0.53(mm)
460-199723-2		12/28/2019 14:16	1	1F459420.D	DB-608 0.53(mm)
460-199723-3		12/28/2019 14:30	1	1F459421.D	DB-5 0.53(mm)
460-199723-3		12/28/2019 14:30	1	1F459421.D	DB-608 0.53(mm)
CCV 460-665567/21		12/28/2019 14:58	1	1F459423.D	DB-5 0.53(mm)
CCV 460-665567/21		12/28/2019 14:58	1	1F459423.D	DB-608 0.53(mm)

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665272 Batch Start Date: 12/26/19 23:47 Batch Analyst: Romano, Alfredo F

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_HERB_SU 00035
MB 460-665272/1		8151A, 8151A		250 mL	3 mL	7 SU	<2 SU	>12	50 uL
LCS 460-665272/2		8151A, 8151A		250 mL	3 mL	7 SU	<2 SU	>12	50 uL
LCSD 460-665272/3		8151A, 8151A		250 mL	3 mL	7 SU	<2 SU	>12	50 uL
460-199723-I-1	MW-2	8151A, 8151A	T	250 mL	3 mL	5 SU	<2 SU	>12	50 uL
460-199723-E-2	MW-1	8151A, 8151A	T	250 mL	3 mL	5 SU	<2 SU	>12	50 uL
460-199723-E-3	Duplicate	8151A, 8151A	T	250 mL	3 mL	5 SU	<2 SU	>12	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_Herbsp RTS 00007					
MB 460-665272/1		8151A, 8151A							
LCS 460-665272/2		8151A, 8151A		200 uL					
LCSD 460-665272/3		8151A, 8151A		200 uL					
460-199723-I-1	MW-2	8151A, 8151A	T						
460-199723-E-2	MW-1	8151A, 8151A	T						
460-199723-E-3	Duplicate	8151A, 8151A	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.

HERBICIDES BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665272 Batch Start Date: 12/26/19 23:47 Batch Analyst: Romano, Alfredo F

Batch Method: 8151A Batch End Date:

Batch Notes	
Batch Comment	8151A Herb Water
Carbitol ID	04508HEV
Concentration 1 Equipment ID	41888
Concentration 2 Equipment ID	41888
Analyst ID - Concentration	AR
Concentration 1 Corrected Temperature	35 Degrees C
Diethyl Ether ID	JT Baker 227652 (-peroxide<0.5ppm)
Analyst ID - Extraction	AR
Sulfuric Acid Lot Number	234517
Potassium Hydroxide ID	OP2918
Acidified Na2SO4 ID	OP2940
Peroxide Test Strip ID	110011
Analyst ID - Spike Analyst	AR
TMSDM ID	AO409170
Concentration 1 Uncorrected Temperature	35 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.

METALS

COVER PAGE
METALS

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-199723-1

SDG No.:

Project: Clean Bay Renewables

Client Sample ID	Lab Sample ID
MW-2	460-199723-1
MW-1	460-199723-2
Duplicate	460-199723-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-2 | Lab Sample ID: 460-199723-1

Lab Name: Eurofins TestAmerica, Edison | Job No.: 460-199723-1

SDG ID.:

Matrix: Water | Date Sampled: 12/23/2019 09:45

Reporting Basis: WET | Date Received: 12/24/2019 16:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver, Dissolved	0.59	2.0	0.59	ug/L	U		2	6020B
7440-38-2	Arsenic, Dissolved	0.73	2.0	0.73	ug/L	U		2	6020B
7440-39-3	Barium, Dissolved	194	4.0	1.2	ug/L			2	6020B
7440-41-7	Beryllium, Dissolved	0.25	0.80	0.25	ug/L	U		2	6020B
7440-43-9	Cadmium, Dissolved	0.81	2.0	0.81	ug/L	U		2	6020B
7440-48-4	Cobalt, Dissolved	1.6	4.0	1.6	ug/L	J		2	6020B
7440-47-3	Chromium, Dissolved	2.3	4.0	2.3	ug/L	U		2	6020B
7440-50-8	Copper, Dissolved	2.0	4.0	2.0	ug/L	U		2	6020B
7439-96-5	Manganese, Dissolved	22.5	8.0	2.9	ug/L			2	6020B
7440-02-0	Nickel, Dissolved	2.4	4.0	2.4	ug/L	U		2	6020B
7439-92-1	Lead, Dissolved	0.55	1.2	0.55	ug/L	U		2	6020B
7440-36-0	Antimony, Dissolved	0.40	2.0	0.40	ug/L	U		2	6020B
7782-49-2	Selenium, Dissolved	5.4	10.0	5.4	ug/L	U		2	6020B
7440-62-2	Vanadium, Dissolved	1.1	4.0	1.1	ug/L	U		2	6020B
7440-66-6	Zinc, Dissolved	11.1	16.0	11.1	ug/L	U		2	6020B
7429-90-5	Aluminum, Dissolved	56.0	40.0	18.8	ug/L			2	6020B
7440-23-5	Sodium, Dissolved	4700	200	128	ug/L			2	6020B
7439-95-4	Magnesium, Dissolved	3750	200	73.7	ug/L			2	6020B
7440-09-7	Potassium, Dissolved	6300	200	86.7	ug/L			2	6020B
7440-70-2	Calcium, Dissolved	10400	200	98.8	ug/L			2	6020B
7439-89-6	Iron, Dissolved	51.1	120	51.1	ug/L	U		2	6020B
7440-28-0	Thallium, Dissolved	0.16	0.80	0.16	ug/L	U		2	6020B
7439-97-6	Mercury, Dissolved	0.12	0.20	0.12	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-1 | Lab Sample ID: 460-199723-2

Lab Name: Eurofins TestAmerica, Edison | Job No.: 460-199723-1

SDG ID.:

Matrix: Water | Date Sampled: 12/23/2019 11:35

Reporting Basis: WET | Date Received: 12/24/2019 16:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver, Dissolved	0.59	2.0	0.59	ug/L	U		2	6020B
7440-38-2	Arsenic, Dissolved	0.73	2.0	0.73	ug/L	U		2	6020B
7440-39-3	Barium, Dissolved	100	4.0	1.2	ug/L			2	6020B
7440-41-7	Beryllium, Dissolved	0.25	0.80	0.25	ug/L	U		2	6020B
7440-43-9	Cadmium, Dissolved	0.81	2.0	0.81	ug/L	U		2	6020B
7440-48-4	Cobalt, Dissolved	6.9	4.0	1.6	ug/L			2	6020B
7440-47-3	Chromium, Dissolved	2.3	4.0	2.3	ug/L	U		2	6020B
7440-50-8	Copper, Dissolved	2.2	4.0	2.0	ug/L	J		2	6020B
7439-96-5	Manganese, Dissolved	120	8.0	2.9	ug/L			2	6020B
7440-02-0	Nickel, Dissolved	5.1	4.0	2.4	ug/L			2	6020B
7439-92-1	Lead, Dissolved	0.55	1.2	0.55	ug/L	U		2	6020B
7440-36-0	Antimony, Dissolved	0.40	2.0	0.40	ug/L	U		2	6020B
7782-49-2	Selenium, Dissolved	5.4	10.0	5.4	ug/L	U		2	6020B
7440-62-2	Vanadium, Dissolved	1.1	4.0	1.1	ug/L	U		2	6020B
7440-66-6	Zinc, Dissolved	89.6	16.0	11.1	ug/L			2	6020B
7429-90-5	Aluminum, Dissolved	101	40.0	18.8	ug/L			2	6020B
7440-23-5	Sodium, Dissolved	12200	200	128	ug/L			2	6020B
7439-95-4	Magnesium, Dissolved	4590	200	73.7	ug/L			2	6020B
7440-09-7	Potassium, Dissolved	19100	200	86.7	ug/L			2	6020B
7440-70-2	Calcium, Dissolved	15400	200	98.8	ug/L			2	6020B
7439-89-6	Iron, Dissolved	847	120	51.1	ug/L			2	6020B
7440-28-0	Thallium, Dissolved	0.16	0.80	0.16	ug/L	U		2	6020B
7439-97-6	Mercury, Dissolved	0.12	0.20	0.12	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: Duplicate
Lab Sample ID: 460-199723-3
Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-199723-1
SDG ID.:
Matrix: Water
Date Sampled: 12/23/2019 12:00
Reporting Basis: WET
Date Received: 12/24/2019 16:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver, Dissolved	0.59	2.0	0.59	ug/L	U		2	6020B
7440-38-2	Arsenic, Dissolved	0.73	2.0	0.73	ug/L	U		2	6020B
7440-39-3	Barium, Dissolved	185	4.0	1.2	ug/L			2	6020B
7440-41-7	Beryllium, Dissolved	0.25	0.80	0.25	ug/L	U		2	6020B
7440-43-9	Cadmium, Dissolved	0.81	2.0	0.81	ug/L	U		2	6020B
7440-48-4	Cobalt, Dissolved	1.6	4.0	1.6	ug/L	J		2	6020B
7440-47-3	Chromium, Dissolved	2.3	4.0	2.3	ug/L	U		2	6020B
7440-50-8	Copper, Dissolved	2.0	4.0	2.0	ug/L	U		2	6020B
7439-96-5	Manganese, Dissolved	21.9	8.0	2.9	ug/L			2	6020B
7440-02-0	Nickel, Dissolved	2.4	4.0	2.4	ug/L	U		2	6020B
7439-92-1	Lead, Dissolved	0.55	1.2	0.55	ug/L	U		2	6020B
7440-36-0	Antimony, Dissolved	0.40	2.0	0.40	ug/L	U		2	6020B
7782-49-2	Selenium, Dissolved	5.4	10.0	5.4	ug/L	U		2	6020B
7440-62-2	Vanadium, Dissolved	1.1	4.0	1.1	ug/L	U		2	6020B
7440-66-6	Zinc, Dissolved	11.1	16.0	11.1	ug/L	U		2	6020B
7429-90-5	Aluminum, Dissolved	54.0	40.0	18.8	ug/L			2	6020B
7440-23-5	Sodium, Dissolved	4510	200	128	ug/L			2	6020B
7439-95-4	Magnesium, Dissolved	3590	200	73.7	ug/L			2	6020B
7440-09-7	Potassium, Dissolved	6080	200	86.7	ug/L			2	6020B
7440-70-2	Calcium, Dissolved	10100	200	98.8	ug/L			2	6020B
7439-89-6	Iron, Dissolved	51.1	120	51.1	ug/L	U		2	6020B
7440-28-0	Thallium, Dissolved	0.16	0.80	0.16	ug/L	U		2	6020B
7439-97-6	Mercury, Dissolved	0.12	0.20	0.12	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

ICV Source: ME_msICV_00381 Concentration Units: ug/L

CCV Source: ME_msCal4_00119

Analyte	ICV 460-666196/7 12/31/2019 13:44				CCV 460-666196/18 12/31/2019 14:11				CCV 460-666196/29 12/31/2019 17:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum, Dissolved	400.7		400	100	494.5		500	99	505.2		500	101
Antimony, Dissolved	39.90		40.0	100	48.66		50.0	97	49.62		50.0	99
Arsenic, Dissolved	40.32		40.0	101	50.55		50.0	101	50.44		50.0	101
Barium, Dissolved	39.63		40.0	99	50.34		50.0	101	50.49		50.0	101
Beryllium, Dissolved	39.75		40.0	99	49.99		50.0	100	50.71		50.0	101
Cadmium, Dissolved	40.21		40.0	101	50.09		50.0	100	50.56		50.0	101
Calcium, Dissolved	4033		4000	101	5073		5000	101	5038		5000	101
Chromium, Dissolved	39.61		40.0	99	49.32		50.0	99	50.01		50.0	100
Cobalt, Dissolved	39.90		40.0	100	49.43		50.0	99	50.20		50.0	100
Copper, Dissolved	40.04		40.0	100	49.33		50.0	99	50.15		50.0	100
Iron, Dissolved	4020		4000	100	5148		5000	103	5055		5000	101
Lead, Dissolved	41.14		40.0	103	51.01		50.0	102	51.98		50.0	104
Magnesium, Dissolved	3999		4000	100	4895		5000	98	5033		5000	101
Manganese, Dissolved	398.9		400	100	498.0		500	100	502.2		500	100
Nickel, Dissolved	39.98		40.0	100	49.47		50.0	99	49.98		50.0	100
Potassium, Dissolved	3998		4000	100	4993		5000	100	5057		5000	101
Selenium, Dissolved	40.39		40.0	101	50.36		50.0	101	49.97		50.0	100
Silver, Dissolved	40.22		40.0	101	49.80		50.0	100	50.95		50.0	102
Sodium, Dissolved	3988		4000	100	4905		5000	98	5019		5000	100
Thallium, Dissolved	8.12		8.00	102	10.12		10.0	101	10.33		10.0	103
Vanadium, Dissolved	39.26		40.0	98	49.62		50.0	99	50.05		50.0	100
Zinc, Dissolved	40.35		40.0	101	50.26		50.0	101	50.50		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

ICV Source: ME_msICV_00381 Concentration Units: ug/L

CCV Source: ME_msCal4_00119

Analyte	CCV 460-666196/41 12/31/2019 17:41											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum, Dissolved	504.0		500	101								
Antimony, Dissolved	49.76		50.0	100								
Arsenic, Dissolved	50.34		50.0	101								
Barium, Dissolved	50.92		50.0	102								
Beryllium, Dissolved	50.39		50.0	101								
Cadmium, Dissolved	50.98		50.0	102								
Calcium, Dissolved	5066		5000	101								
Chromium, Dissolved	50.52		50.0	101								
Cobalt, Dissolved	50.41		50.0	101								
Copper, Dissolved	50.16		50.0	100								
Iron, Dissolved	5175		5000	104								
Lead, Dissolved	51.61		50.0	103								
Magnesium, Dissolved	5051		5000	101								
Manganese, Dissolved	502.7		500	101								
Nickel, Dissolved	50.86		50.0	102								
Potassium, Dissolved	5065		5000	101								
Selenium, Dissolved	51.22		50.0	102								
Silver, Dissolved	50.96		50.0	102								
Sodium, Dissolved	5032		5000	101								
Thallium, Dissolved	10.27		10.0	103								
Vanadium, Dissolved	50.21		50.0	100								
Zinc, Dissolved	51.22		50.0	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

ICV Source: ME_DQCS-INT_03171 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_03439

Analyte	ICV 460-665771/7-A 12/30/2019 06:46				CCV 460-665771/8-A 12/30/2019 08:18				CCV 460-665771/8-A 12/30/2019 08:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury, Dissolved	4.88		5.00	98	5.18		5.00	104	5.17		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

ICV Source: ME_DQCS-INT_03171 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_03439

Analyte	CCV 460-665771/8-A 12/30/2019 08:59				CCV 460-665771/8-A 12/30/2019 09:20							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury, Dissolved	5.10		5.00	102	5.29		5.00	106				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Method: 7470A Instrument ID: LEEMAN6

Lab Sample ID: CRI 460-665856/9 Concentration Units: ug/L

CRQL Check Standard Source:

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury, Dissolved		0.220			

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-666196/8 12/31/2019 13:46		CCB 460-666196/19 12/31/2019 14:14		CCB 460-666196/30 12/31/2019 17:13		CCB 460-666196/42 12/31/2019 17:43	
		Found	C	Found	C	Found	C	Found	C
Aluminum, Dissolved	20.0	9.4	U	9.4	U	9.4	U	9.4	U
Antimony, Dissolved	1.0	0.223	J	0.20	U	0.20	U	0.20	U
Arsenic, Dissolved	1.0	0.37	U	0.37	U	0.37	U	0.37	U
Barium, Dissolved	2.0	0.58	U	0.58	U	0.58	U	0.58	U
Beryllium, Dissolved	0.40	0.12	U	0.12	U	0.12	U	0.12	U
Cadmium, Dissolved	1.0	0.40	U	0.40	U	0.40	U	0.40	U
Calcium, Dissolved	100	49.4	U	49.4	U	49.4	U	49.4	U
Chromium, Dissolved	2.0	1.2	U	1.2	U	1.2	U	1.2	U
Cobalt, Dissolved	2.0	0.80	U	0.80	U	0.80	U	0.80	U
Copper, Dissolved	2.0	0.99	U	0.99	U	0.99	U	0.99	U
Iron, Dissolved	60.0	25.6	U	25.6	U	25.6	U	25.6	U
Lead, Dissolved	0.60	0.28	U	0.28	U	0.28	U	0.28	U
Magnesium, Dissolved	100	36.9	U	36.9	U	36.9	U	36.9	U
Manganese, Dissolved	4.0	1.4	U	1.4	U	1.4	U	1.4	U
Nickel, Dissolved	2.0	1.2	U	1.2	U	1.2	U	1.2	U
Potassium, Dissolved	100	43.3	U	43.3	U	43.3	U	43.3	U
Selenium, Dissolved	5.0	2.7	U	2.7	U	2.7	U	2.7	U
Silver, Dissolved	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Sodium, Dissolved	100	63.8	U	63.8	U	63.8	U	63.8	U
Thallium, Dissolved	0.40	0.078	U	0.078	U	0.078	U	0.078	U
Vanadium, Dissolved	2.0	0.56	U	0.56	U	0.56	U	0.56	U
Zinc, Dissolved	8.0	5.6	U	5.6	U	5.6	U	5.6	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-665856/8 12/30/2019 06:48		CCB 460-665771/9-A 12/30/2019 08:20		CCB 460-665771/9-A 12/30/2019 08:40		CCB 460-665771/9-A 12/30/2019 09:01	
		Found	C	Found	C	Found	C	Found	C
Mercury, Dissolved	0.20	0.12	U	0.12	U	0.12	U	0.12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-665771/9-A 12/30/2019 09:22							
		Found	C	Found	C	Found	C	Found	C
Mercury, Dissolved	0.20	0.12	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-666141/1-A

Instrument Code: ICPMS3 Batch No.: 666196

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver, Dissolved	0.30	U		6020B
7440-38-2	Arsenic, Dissolved	0.37	U		6020B
7440-39-3	Barium, Dissolved	0.58	U		6020B
7440-41-7	Beryllium, Dissolved	0.12	U		6020B
7440-43-9	Cadmium, Dissolved	0.40	U		6020B
7440-48-4	Cobalt, Dissolved	0.80	U		6020B
7440-47-3	Chromium, Dissolved	1.2	U		6020B
7440-50-8	Copper, Dissolved	1.0	U		6020B
7439-96-5	Manganese, Dissolved	1.4	U		6020B
7440-02-0	Nickel, Dissolved	1.2	U		6020B
7439-92-1	Lead, Dissolved	0.28	U		6020B
7440-36-0	Antimony, Dissolved	0.20	U		6020B
7782-49-2	Selenium, Dissolved	2.7	U		6020B
7440-62-2	Vanadium, Dissolved	0.56	U		6020B
7440-66-6	Zinc, Dissolved	5.6	U		6020B
7429-90-5	Aluminum, Dissolved	9.4	U		6020B
7440-23-5	Sodium, Dissolved	64.0	U		6020B
7439-95-4	Magnesium, Dissolved	36.9	U		6020B
7440-09-7	Potassium, Dissolved	43.4	U		6020B
7440-70-2	Calcium, Dissolved	49.4	U		6020B
7439-89-6	Iron, Dissolved	25.6	U		6020B
7440-28-0	Thallium, Dissolved	0.079	U		6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-665773/1-A

Instrument Code: LEEMAN6 Batch No.: 665856

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury, Dissolved	0.12	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: ICSA 460-666196/10 Instrument ID: ICPMS3

Lab File ID: 012ICSA.d ICS Source: ME_ICSA_ms_00617

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum, Dissolved	**50000**	**48865**	**98**
Antimony, Dissolved		**0.433**	
Arsenic, Dissolved		**0.0750**	
Barium, Dissolved		**0.239**	
Beryllium, Dissolved		**0.0070**	
Cadmium, Dissolved		**0.0840**	
Calcium, Dissolved	**150000**	**151202**	**101**
Chromium, Dissolved		**0.322**	
Cobalt, Dissolved		**0.365**	
Copper, Dissolved		**0.107**	
Iron, Dissolved	**125000**	**122261**	**98**
Lead, Dissolved		**0.103**	
Magnesium, Dissolved	**50000**	**49502**	**99**
Manganese, Dissolved		**0.750**	
Nickel, Dissolved		**0.289**	
Potassium, Dissolved	**50000**	**49724**	**99**
Selenium, Dissolved		**0.0370**	
Silver, Dissolved		**0.180**	
Sodium, Dissolved	**125000**	**122485**	**98**
Thallium, Dissolved		**0.0230**	
Vanadium, Dissolved		**0.0140**	
Zinc, Dissolved		**0.289**	
Boron		*6.51*	
Molybdenum	*1000*	*1044*	*104*
Strontium		*1.24*	
Tin		*0.0620*	
Titanium	*1000*	*1015*	*101*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Lab Sample ID: ICSAB 460-666196/11 Instrument ID: ICPMS3

Lab File ID: 013ICSB.d ICS Source: ME_ICSAB_ms_00462

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum, Dissolved	**50000**	**48252**	**97**
Antimony, Dissolved		**0.440**	
Arsenic, Dissolved	**100**	**104**	**104**
Barium, Dissolved		**0.192**	
Beryllium, Dissolved		**0.0050**	
Cadmium, Dissolved	**100**	**99.1**	**99**
Calcium, Dissolved	**150000**	**154516**	**103**
Chromium, Dissolved	**200**	**198**	**99**
Cobalt, Dissolved	**200**	**196**	**98**
Copper, Dissolved	**200**	**189**	**94**
Iron, Dissolved	**125000**	**124583**	**100**
Lead, Dissolved		**0.0930**	
Magnesium, Dissolved	**50000**	**48448**	**97**
Manganese, Dissolved	**200**	**200**	**100**
Nickel, Dissolved	**200**	**192**	**96**
Potassium, Dissolved	**50000**	**49175**	**98**
Selenium, Dissolved	**100**	**97.8**	**98**
Silver, Dissolved	**200**	**194**	**97**
Sodium, Dissolved	**125000**	**121534**	**97**
Thallium, Dissolved		**0.0400**	
Vanadium, Dissolved	**200**	**202**	**101**
Zinc, Dissolved	**100**	**93.2**	**93**
Boron		*4.05*	
Molybdenum	*1000*	*1045*	*104*
Strontium		*1.30*	
Tin		*0.0550*	
Titanium	*1000*	*1006*	*101*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-199160-D-1-D MS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury, Dissolved	1.05		0.12	U	1.00	105	75-125		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-199766-D-2-C MS ^2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver, Dissolved	9.36		0.59	U	10.0	94	75-125		6020B
Arsenic, Dissolved	22.70		1.2	J	20.0	107	75-125		6020B
Barium, Dissolved	260.6		220		20.0	205	75-125	4	6020B
Beryllium, Dissolved	12.01		1.5		10.0	105	75-125		6020B
Cadmium, Dissolved	11.05		0.81	U	10.0	110	75-125		6020B
Cobalt, Dissolved	50.10		36.6		10.0	135	75-125	F1	6020B
Chromium, Dissolved	20.57		2.3	U	20.0	103	75-125		6020B
Copper, Dissolved	20.62		2.0	U	20.0	103	75-125		6020B
Manganese, Dissolved	1889		1650		100	236	75-125	4	6020B
Nickel, Dissolved	30.35		9.8		20.0	103	75-125		6020B
Lead, Dissolved	11.65		0.61	J	10.0	110	75-125		6020B
Antimony, Dissolved	10.04		0.40	U	10.0	100	75-125		6020B
Selenium, Dissolved	22.67		5.4	U	20.0	113	75-125		6020B
Vanadium, Dissolved	20.05		1.1	U	20.0	100	75-125		6020B
Zinc, Dissolved	156.5		51.8		100	105	75-125		6020B
Aluminum, Dissolved	1639		554		1000	108	75-125		6020B
Sodium, Dissolved	170600		156000		1000	1433	75-125	4	6020B
Magnesium, Dissolved	16990		14700		1000	226	75-125	4	6020B
Potassium, Dissolved	6216		4790		1000	143	75-125	4	6020B
Calcium, Dissolved	17470		15100		1000	239	75-125	4	6020B
Iron, Dissolved	1107		67.4	J	1000	104	75-125		6020B

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-199766-D-2-C MS ^2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Thallium, Dissolved	8.76		0.16	U	8.00	110	75-125		6020B

SSR = Spiked Sample Result

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

FORM VA - IN

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-199160-A-1-B DU

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury, Dissolved	0.20	0.12	U	0.12	U	NC		7470A

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

FORM VI-IN

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-199766-D-2-B DU ^2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Silver, Dissolved	2.0	0.59	U	0.59	U	NC		6020B
Arsenic, Dissolved	2.0	1.2	J	1.31	J	5		6020B
Barium, Dissolved	4.0	220		224.3		2		6020B
Beryllium, Dissolved	0.80	1.5		1.57		2		6020B
Cadmium, Dissolved	2.0	0.81	U	0.81	U	NC		6020B
Cobalt, Dissolved	4.0	36.6		38.09		4		6020B
Chromium, Dissolved	4.0	2.3	U	2.3	U	NC		6020B
Copper, Dissolved	4.0	2.0	U	2.0	U	NC		6020B
Manganese, Dissolved	8.0	1650		1708		3		6020B
Nickel, Dissolved	4.0	9.8		10.06		2		6020B
Lead, Dissolved	1.2	0.61	J	0.640	J	5		6020B
Antimony, Dissolved	2.0	0.40	U	0.40	U	NC		6020B
Selenium, Dissolved	10.0	5.4	U	5.4	U	NC		6020B
Vanadium, Dissolved	4.0	1.1	U	1.1	U	NC		6020B
Zinc, Dissolved	16.0	51.8		52.70		2		6020B
Aluminum, Dissolved	40.0	554		571.1		3		6020B
Sodium, Dissolved	200	156000		163000		4		6020B
Magnesium, Dissolved	200	14700		15260		4		6020B
Potassium, Dissolved	200	4790		4957		3		6020B
Calcium, Dissolved	200	15100		15210		0.9		6020B
Iron, Dissolved	120	67.4	J	73.30	J	8		6020B
Thallium, Dissolved	0.80	0.16	U	0.16	U	NC		6020B

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

FORM VI-IN

LINEAR RANGE CHECK STANDARD
METALS -

Lab ID: LRC 460-666196/12

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

Sample Matrix: Water LCS Source:

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver, Dissolved		6.75						6020B
Arsenic, Dissolved	2000	1945		97	90	110		6020B
Barium, Dissolved	5000	4985		100	90	110		6020B
Beryllium, Dissolved	1000	989.5		99	90	110		6020B
Cadmium, Dissolved	2000	1995		100	90	110		6020B
Cobalt, Dissolved	1000	1013		101	90	110		6020B
Chromium, Dissolved	4000	4024		101	90	110		6020B
Copper, Dissolved	1000	1020		102	90	110		6020B
Manganese, Dissolved	5000	5046		101	90	110		6020B
Nickel, Dissolved	1000	1008		101	90	110		6020B
Lead, Dissolved	5000	4877		98	90	110		6020B
Antimony, Dissolved		0.20	U					6020B
Selenium, Dissolved	1000	962.1		96	90	110		6020B
Vanadium, Dissolved	2000	1969		98	90	110		6020B
Zinc, Dissolved	1000	1031		103	90	110		6020B
Aluminum, Dissolved		39.09						6020B
Sodium, Dissolved		110.0						6020B
Magnesium, Dissolved		41.78	J					6020B
Potassium, Dissolved		43.3	U					6020B
Calcium, Dissolved		132.3						6020B
Iron, Dissolved		113.8						6020B
Thallium, Dissolved	1000	1003		100	90	110		6020B

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

LINEAR RANGE CHECK STANDARD
METALS -

Lab ID: LRC 460-666196/13

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

Sample Matrix: Water LCS Source:

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver, Dissolved		0.30	U					6020B
Arsenic, Dissolved		1.38						6020B
Barium, Dissolved		4.25						6020B
Beryllium, Dissolved		0.817						6020B
Cadmium, Dissolved		1.35						6020B
Cobalt, Dissolved		1.01	J					6020B
Chromium, Dissolved		3.84						6020B
Copper, Dissolved		1.56	J					6020B
Manganese, Dissolved		4.20						6020B
Nickel, Dissolved		1.86	J					6020B
Lead, Dissolved		4.27						6020B
Antimony, Dissolved		0.20	U					6020B
Selenium, Dissolved		2.7	U					6020B
Vanadium, Dissolved		1.37	J					6020B
Zinc, Dissolved		5.6	U					6020B
Aluminum, Dissolved	50000	49640		99	90	110		6020B
Sodium, Dissolved	200000	194000		97	90	110		6020B
Magnesium, Dissolved	150000	143500		96	90	110		6020B
Potassium, Dissolved	200000	201000		100	90	110		6020B
Calcium, Dissolved	150000	147600		98	90	110		6020B
Iron, Dissolved	100000	95010		95	90	110		6020B
Thallium, Dissolved		0.917						6020B

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

LINEAR RANGE CHECK STANDARD
METALS -

Lab ID: LRC 460-666196/14

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

Sample Matrix: Water LCS Source:

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver, Dissolved		0.30	U					6020B
Arsenic, Dissolved		0.37	U					6020B
Barium, Dissolved		0.58	U					6020B
Beryllium, Dissolved		0.12	U					6020B
Cadmium, Dissolved		0.40	U					6020B
Cobalt, Dissolved		0.80	U					6020B
Chromium, Dissolved		1.2	U					6020B
Copper, Dissolved		0.99	U					6020B
Manganese, Dissolved		1.4	U					6020B
Nickel, Dissolved		1.2	U					6020B
Lead, Dissolved		0.28	U					6020B
Antimony, Dissolved		0.20	U					6020B
Selenium, Dissolved		2.7	U					6020B
Vanadium, Dissolved		0.56	U					6020B
Zinc, Dissolved		5.6	U					6020B
Aluminum, Dissolved		21.27						6020B
Sodium, Dissolved		129.7						6020B
Magnesium, Dissolved		68.83	J					6020B
Potassium, Dissolved		112.9						6020B
Calcium, Dissolved		78.00	J					6020B
Iron, Dissolved		50.68	J					6020B
Thallium, Dissolved		0.0830	J					6020B

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-666141/2-A

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

Sample Matrix: Water LCS Source: ME_ipmsSPK_00036

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver, Dissolved	5.00	4.90		98	80	120		6020B
Arsenic, Dissolved	10.0	10.29		103	80	120		6020B
Barium, Dissolved	10.0	10.43		104	80	120		6020B
Beryllium, Dissolved	5.00	5.03		101	80	120		6020B
Cadmium, Dissolved	5.00	5.07		101	80	120		6020B
Cobalt, Dissolved	5.00	5.17		103	80	120		6020B
Chromium, Dissolved	10.0	10.15		102	80	120		6020B
Copper, Dissolved	10.0	10.36		104	80	120		6020B
Manganese, Dissolved	50.0	50.59		101	80	120		6020B
Nickel, Dissolved	10.0	10.37		104	80	120		6020B
Lead, Dissolved	5.00	5.25		105	80	120		6020B
Antimony, Dissolved	5.00	5.19		104	80	120		6020B
Selenium, Dissolved	10.0	10.16		102	80	120		6020B
Vanadium, Dissolved	10.0	10.09		101	80	120		6020B
Zinc, Dissolved	50.0	51.34		103	80	120		6020B
Aluminum, Dissolved	500	515.4		103	80	120		6020B
Sodium, Dissolved	500	506.3		101	80	120		6020B
Magnesium, Dissolved	500	499.2		100	80	120		6020B
Potassium, Dissolved	500	513.9		103	80	120		6020B
Calcium, Dissolved	500	569.8		114	80	120		6020B
Iron, Dissolved	500	528.6		106	80	120		6020B
Thallium, Dissolved	4.00	4.23		106	80	120		6020B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-665773/2-A

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_03439

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury, Dissolved	1.00	1.03		103	80	120		7470A

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-199766-D-2-A SD ^10

SDG No:

Lab Name: Eurofins TestAmerica, Edison Job No: 460-199723-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver, Dissolved	0.59	U	3.0	U	NC		6020B
Arsenic, Dissolved	1.2	J	3.7	U	NC		6020B
Barium, Dissolved	220		260.7		NC		6020B
Beryllium, Dissolved	1.5		1.69	J	NC		6020B
Cadmium, Dissolved	0.81	U	4.0	U	NC		6020B
Cobalt, Dissolved	36.6		43.68		NC		6020B
Chromium, Dissolved	2.3	U	11.5	U	NC		6020B
Copper, Dissolved	2.0	U	10	U	NC		6020B
Manganese, Dissolved	1650		1936		17		6020B
Nickel, Dissolved	9.8		12.03	J	NC		6020B
Lead, Dissolved	0.61	J	2.8	U	NC		6020B
Antimony, Dissolved	0.40	U	2.0	U	NC		6020B
Selenium, Dissolved	5.4	U	26.8	U	NC		6020B
Vanadium, Dissolved	1.1	U	5.6	U	NC		6020B
Zinc, Dissolved	51.8		58.91	J	NC		6020B
Aluminum, Dissolved	554		653.3		NC		6020B
Sodium, Dissolved	156000		184400		18		6020B
Magnesium, Dissolved	14700		17150		NC		6020B
Potassium, Dissolved	4790		5561		NC		6020B
Calcium, Dissolved	15100		17410		NC		6020B
Iron, Dissolved	67.4	J	256	U	NC		6020B
Thallium, Dissolved	0.16	U	0.79	U	NC		6020B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-199160-D-1-C SD ^5

SDG No:

Lab Name: Eurofins TestAmerica, Edison Job No: 460-199723-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury, Dissolved	0.12	U	0.58	U	NC		7470A

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-199723-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B MDL Date: 11/01/2018 09:03

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum, Dissolved		40	18.8
Antimony, Dissolved		2	0.399
Arsenic, Dissolved		2	0.734
Barium, Dissolved		4	1.16
Beryllium, Dissolved		0.8	0.245
Cadmium, Dissolved		2	0.808
Calcium, Dissolved		200	98.8
Chromium, Dissolved		4	2.3
Cobalt, Dissolved		4	1.6
Copper, Dissolved		4	1.99
Iron, Dissolved		120	51.1
Lead, Dissolved		1.2	0.552
Magnesium, Dissolved		200	73.7
Manganese, Dissolved		8	2.88
Nickel, Dissolved		4	2.36
Potassium, Dissolved		200	86.7
Selenium, Dissolved		10	5.35
Silver, Dissolved		2	0.591
Sodium, Dissolved		200	128
Thallium, Dissolved		0.8	0.157
Vanadium, Dissolved		4	1.11
Zinc, Dissolved		16	11.1

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-199723-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B XMDL Date: 11/01/2018 09:05

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum, Dissolved		20	9.39
Antimony, Dissolved		1	0.199
Arsenic, Dissolved		1	0.367
Barium, Dissolved		2	0.578
Beryllium, Dissolved		0.4	0.123
Cadmium, Dissolved		1	0.404
Calcium, Dissolved		100	49.4
Chromium, Dissolved		2	1.15
Cobalt, Dissolved		2	0.8
Copper, Dissolved		2	0.994
Iron, Dissolved		60	25.6
Lead, Dissolved		0.6	0.276
Magnesium, Dissolved		100	36.9
Manganese, Dissolved		4	1.44
Nickel, Dissolved		2	1.18
Potassium, Dissolved		100	43.3
Selenium, Dissolved		5	2.67
Silver, Dissolved		1	0.296
Sodium, Dissolved		100	63.8
Thallium, Dissolved		0.4	0.078
Vanadium, Dissolved		2	0.557
Zinc, Dissolved		8	5.55

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-199723-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A MDL Date: 04/16/2018 13:37

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury, Dissolved		0.2	0.115

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-199723-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A XMDL Date: 04/16/2018 13:37

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury, Dissolved		0.2	0.115

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins TestAmerica, Edison Job No: 460-199723-1

SDG No.:

Instrument ID: ICPMS3 Date: 07/27/2018 13:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver, Dissolved		100	6020B
Arsenic, Dissolved		2000	6020B
Barium, Dissolved		5000	6020B
Beryllium, Dissolved		1000	6020B
Cadmium, Dissolved		2000	6020B
Cobalt, Dissolved		1000	6020B
Chromium, Dissolved		4000	6020B
Copper, Dissolved		1000	6020B
Manganese, Dissolved		5000	6020B
Nickel, Dissolved		1000	6020B
Lead, Dissolved		5000	6020B
Antimony, Dissolved		100	6020B
Selenium, Dissolved		1000	6020B
Vanadium, Dissolved		2000	6020B
Zinc, Dissolved		1000	6020B
Aluminum, Dissolved		50000	6020B
Sodium, Dissolved		200000	6020B
Magnesium, Dissolved		150000	6020B
Potassium, Dissolved		200000	6020B
Calcium, Dissolved		150000	6020B
Iron, Dissolved		100000	6020B
Thallium, Dissolved		1000	6020B

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-666141/1-A	12/31/2019 16:11	666141		10	10
LCS 460-666141/2-A	12/31/2019 16:11	666141		10	10
460-199766-D-2-B DU ^2	12/31/2019 16:11	666141		10	10
460-199766-D-2-C MS ^2	12/31/2019 16:11	666141		10	10
460-199723-1	12/31/2019 16:11	666141		10	10
460-199723-2	12/31/2019 16:11	666141		10	10
460-199723-3	12/31/2019 16:11	666141		10	10

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-665773/1-A	12/30/2019 04:09	665773		30	30
LCS 460-665773/2-A	12/30/2019 04:09	665773		30	30
460-199160-A-1-B DU	12/30/2019 04:09	665773		30	30
460-199160-D-1-D MS	12/30/2019 04:09	665773		30	30
460-199723-1	12/30/2019 04:09	665773		30	30
460-199723-2	12/30/2019 04:09	665773		30	30
460-199723-3	12/30/2019 04:09	665773		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 12/31/2019 13:29 End Date: 12/31/2019 21:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
IC 460-666196/1	1		13:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 460-666196/2	1		13:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 460-666196/3	1		13:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 460-666196/4	1		13:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 460-666196/5	1		13:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 460-666196/6	1		13:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 460-666196/7	1		13:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-666196/8	1		13:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 460-666196/9			13:49																				
ICSA 460-666196/10	1		13:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-666196/11	1		13:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRC 460-666196/12	1		13:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRC 460-666196/13	1		13:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRC 460-666196/14	1		14:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
CCV 460-666196/18	1		14:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-666196/19	1		14:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:49																				
ZZZZZZ			16:51																				
CCV 460-666196/22			16:54																				
CCB 460-666196/23			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:01																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
ZZZZZZ			17:08																				
CCV 460-666196/29	1		17:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-666196/30	1		17:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-666141/1-A	1	T	17:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 460-666141/2-A	1	T	17:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-199766-D-2-C MS ^2	2	D	17:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-199766-D-2-B DU ^2	2	D	17:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:26																				
460-199766-D-2-A SD ^10	10	D	17:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:31																				
460-199723-1	2	D	17:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-199723-2	2	D	17:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-199723-3	2	D	17:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 12/31/2019 13:29 End Date: 12/31/2019 21:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCV 460-666196/41	1		17:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-666196/42	1		17:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:46																				
ZZZZZZ			17:48																				
ZZZZZZ			17:51																				
ZZZZZZ			17:53																				
ZZZZZZ			17:55																				
ZZZZZZ			17:58																				
ZZZZZZ			18:00																				
ZZZZZZ			18:03																				
ZZZZZZ			18:05																				
ZZZZZZ			18:08																				
CCV 460-666196/53			18:10																				
CCB 460-666196/54			18:13																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:21																				
CCV 460-666196/58			18:23																				
CCB 460-666196/59			18:26																				
ZZZZZZ			18:28																				
ZZZZZZ			18:31																				
ZZZZZZ			18:33																				
ZZZZZZ			18:36																				
ZZZZZZ			18:38																				
ZZZZZZ			19:15																				
ZZZZZZ			19:17																				
ZZZZZZ			19:20																				
ZZZZZZ			19:22																				
CCV 460-666196/69			19:25																				
CCB 460-666196/70			19:27																				
ZZZZZZ			19:30																				
ZZZZZZ			19:32																				
ZZZZZZ			19:35																				
ZZZZZZ			19:37																				
ZZZZZZ			19:40																				
ZZZZZZ			19:42																				
ZZZZZZ			19:45																				
ZZZZZZ			19:47																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
CCV 460-666196/81			19:55																				
CCB 460-666196/82			19:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 12/31/2019 13:29 End Date: 12/31/2019 21:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			21:16																				
CCV 460-666196/84			21:19																				
CCB 460-666196/85			21:21																				
ZZZZZZ			21:24																				
CCV 460-666196/87			21:26																				
CCB 460-666196/88			21:29																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 12/31/2019 13:29 End Date: 12/31/2019 21:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
IC 460-666196/1	1		13:29	X	X																		
IC 460-666196/2	1		13:31	X	X																		
IC 460-666196/3	1		13:34	X	X																		
IC 460-666196/4	1		13:36	X	X																		
IC 460-666196/5	1		13:39	X	X																		
IC 460-666196/6	1		13:41	X	X																		
ICV 460-666196/7	1		13:44	X	X																		
ICB 460-666196/8	1		13:46	X	X																		
CRI 460-666196/9			13:49																				
ICSA 460-666196/10	1		13:51	X	X																		
ICSAB 460-666196/11	1		13:54	X	X																		
LRC 460-666196/12	1		13:56	X	X																		
LRC 460-666196/13	1		13:59	X	X																		
LRC 460-666196/14	1		14:01	X	X																		
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
CCV 460-666196/18	1		14:11	X	X																		
CCB 460-666196/19	1		14:14	X	X																		
ZZZZZZ			16:49																				
ZZZZZZ			16:51																				
CCV 460-666196/22			16:54																				
CCB 460-666196/23			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:01																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
ZZZZZZ			17:08																				
CCV 460-666196/29	1		17:11	X	X																		
CCB 460-666196/30	1		17:13	X	X																		
MB 460-666141/1-A	1	T	17:16	X	X																		
LCS 460-666141/2-A	1	T	17:18	X	X																		
460-199766-D-2-C MS ^2	2	D	17:21	X	X																		
460-199766-D-2-B DU ^2	2	D	17:23	X	X																		
ZZZZZZ			17:26																				
460-199766-D-2-A SD ^10	10	D	17:28	X	X																		
ZZZZZZ			17:31																				
460-199723-1	2	D	17:33	X	X																		
460-199723-2	2	D	17:36	X	X																		
460-199723-3	2	D	17:38	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 12/31/2019 13:29 End Date: 12/31/2019 21:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCV 460-666196/41	1		17:41	X	X																		
CCB 460-666196/42	1		17:43	X	X																		
ZZZZZZ			17:46																				
ZZZZZZ			17:48																				
ZZZZZZ			17:51																				
ZZZZZZ			17:53																				
ZZZZZZ			17:55																				
ZZZZZZ			17:58																				
ZZZZZZ			18:00																				
ZZZZZZ			18:03																				
ZZZZZZ			18:05																				
ZZZZZZ			18:08																				
CCV 460-666196/53			18:10																				
CCB 460-666196/54			18:13																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:21																				
CCV 460-666196/58			18:23																				
CCB 460-666196/59			18:26																				
ZZZZZZ			18:28																				
ZZZZZZ			18:31																				
ZZZZZZ			18:33																				
ZZZZZZ			18:36																				
ZZZZZZ			18:38																				
ZZZZZZ			19:15																				
ZZZZZZ			19:17																				
ZZZZZZ			19:20																				
ZZZZZZ			19:22																				
CCV 460-666196/69			19:25																				
CCB 460-666196/70			19:27																				
ZZZZZZ			19:30																				
ZZZZZZ			19:32																				
ZZZZZZ			19:35																				
ZZZZZZ			19:37																				
ZZZZZZ			19:40																				
ZZZZZZ			19:42																				
ZZZZZZ			19:45																				
ZZZZZZ			19:47																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
CCV 460-666196/81			19:55																				
CCB 460-666196/82			19:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 12/31/2019 13:29 End Date: 12/31/2019 21:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			21:16																				
CCV 460-666196/84			21:19																				
CCB 460-666196/85			21:21																				
ZZZZZZ			21:24																				
CCV 460-666196/87			21:26																				
CCB 460-666196/88			21:29																				

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 12/30/2019 06:36 End Date: 12/30/2019 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ICIS 460-665856/1			06:36	X																			
IC 460-665771/2-A			06:38	X																			
IC 460-665771/3-A			06:40	X																			
IC 460-665771/4-A			06:41	X																			
IC 460-665771/5-A			06:43	X																			
IC 460-665771/6-A			06:45	X																			
ICV 460-665771/7-A	1		06:46	X																			
ICB 460-665856/8	1		06:48	X																			
CRI 460-665856/9	1		06:50	X																			
ZZZZZZ			06:52																				
ZZZZZZ			06:54																				
CCV 460-665771/8-A			06:55																				
CCB 460-665771/9-A			06:57																				
ZZZZZZ			06:59																				
ZZZZZZ			07:00																				
ZZZZZZ			07:02																				
ZZZZZZ			07:04																				
ZZZZZZ			07:06																				
ZZZZZZ			07:07																				
ZZZZZZ			07:09																				
ZZZZZZ			07:11																				
ZZZZZZ			07:13																				
ZZZZZZ			07:14																				
CCV 460-665771/8-A			07:16																				
CCB 460-665771/9-A			07:18																				
ZZZZZZ			07:20																				
ZZZZZZ			07:21																				
ZZZZZZ			07:23																				
ZZZZZZ			07:25																				
ZZZZZZ			07:26																				
ZZZZZZ			07:28																				
ZZZZZZ			07:30																				
ZZZZZZ			07:31																				
ZZZZZZ			07:33																				
ZZZZZZ			07:35																				
CCV 460-665771/8-A			07:37																				
CCB 460-665771/9-A			07:38																				
ZZZZZZ			07:40																				
ZZZZZZ			07:42																				
ZZZZZZ			07:44																				
ZZZZZZ			07:45																				
ZZZZZZ			07:47																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 12/30/2019 06:36 End Date: 12/30/2019 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			07:49																				
ZZZZZZ			07:50																				
ZZZZZZ			07:52																				
ZZZZZZ			07:54																				
ZZZZZZ			07:55																				
CCV 460-665771/8-A			07:57																				
CCB 460-665771/9-A			07:59																				
ZZZZZZ			08:01																				
ZZZZZZ			08:02																				
ZZZZZZ			08:04																				
ZZZZZZ			08:06																				
ZZZZZZ			08:08																				
ZZZZZZ			08:09																				
ZZZZZZ			08:11																				
ZZZZZZ			08:13																				
ZZZZZZ			08:14																				
ZZZZZZ			08:16																				
CCV 460-665771/8-A	1		08:18	X																			
CCB 460-665771/9-A	1		08:20	X																			
ZZZZZZ			08:21																				
ZZZZZZ			08:23																				
ZZZZZZ			08:25																				
MB 460-665773/1-A	1	T	08:26	X																			
LCS 460-665773/2-A	1	T	08:28	X																			
ZZZZZZ			08:30																				
460-199160-A-1-B DU	1	D	08:32	X																			
460-199160-D-1-D MS	1	D	08:33	X																			
460-199160-D-1-C SD ^5	5	D	08:35	X																			
ZZZZZZ			08:37																				
CCV 460-665771/8-A	1		08:39	X																			
CCB 460-665771/9-A	1		08:40	X																			
ZZZZZZ			08:42																				
ZZZZZZ			08:44																				
ZZZZZZ			08:45																				
ZZZZZZ			08:47																				
ZZZZZZ			08:49																				
ZZZZZZ			08:51																				
ZZZZZZ			08:52																				
ZZZZZZ			08:54																				
ZZZZZZ			08:56																				
ZZZZZZ			08:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 12/30/2019 06:36 End Date: 12/30/2019 09:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCV 460-665771/8-A	1		08:59	X																			
CCB 460-665771/9-A	1		09:01	X																			
ZZZZZZ			09:03																				
460-199723-1	1	D	09:04	X																			
460-199723-2	1	D	09:06	X																			
460-199723-3	1	D	09:08	X																			
ZZZZZZ			09:10																				
ZZZZZZ			09:11																				
ZZZZZZ			09:13																				
ZZZZZZ			09:15																				
ZZZZZZ			09:16																				
ZZZZZZ			09:18																				
CCV 460-665771/8-A	1		09:20	X																			
CCB 460-665771/9-A	1		09:22	X																			
ZZZZZZ			09:23																				
ZZZZZZ			09:25																				
ZZZZZZ			09:27																				
ZZZZZZ			09:29																				
ZZZZZZ			09:30																				
ZZZZZZ			09:32																				
ZZZZZZ			09:34																				
ZZZZZZ			09:35																				
ZZZZZZ			09:37																				
ZZZZZZ			09:39																				
CCV 460-665771/8-A			09:41																				
CCB 460-665771/9-A			09:42																				
ZZZZZZ			09:44																				
ZZZZZZ			09:46																				
ZZZZZZ			09:48																				
ZZZZZZ			09:49																				
ZZZZZZ			09:51																				
ZZZZZZ			09:53																				
CCV 460-665771/8-A			09:55																				
CCB 460-665771/9-A			09:56																				

Prep Types
D = Dissolved
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

ICP-MS Instrument ID: ICPMS3 Start Date: 12/31/2019 End Date: 12/31/2019

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q	Element Ge/3	Q
IC 460-666196/1	13:29	100		100		100		100		100	
IC 460-666196/2	13:31	100		100		100		100		100	
IC 460-666196/3	13:34	102		102		103		103		102	
IC 460-666196/4	13:36	112		110		108		111		108	
IC 460-666196/5	13:39	110		110		107		112		110	
IC 460-666196/6	13:41	109		109		105		111		109	
ICV 460-666196/7	13:44	111		109		106		112		109	
ICB 460-666196/8	13:46	111		108		107		108		105	
ICSA 460-666196/10	13:51	110		106		104		105		103	
ICSAB 460-666196/11	13:54	110		106		106		105		106	
LRC 460-666196/12	13:56	107		104		99		113		106	
LRC 460-666196/13	13:59	89		97		100		93		98	
LRC 460-666196/14	14:01	124		119		117		117		118	
CCV 460-666196/18	14:11	114		113		112		114		113	
CCB 460-666196/19	14:14	114		113		113		112		113	
CCV 460-666196/29	17:11	107		109		105		111		107	
CCB 460-666196/30	17:13	110		109		107		109		104	
MB 460-666141/1-A	17:16	110		108		106		108		105	
LCS 460-666141/2-A	17:18	106		104		104		104		104	
460-199766-D-2-C MS ^2	17:21	119		118		120		119		119	
460-199766-D-2-B DU ^2	17:23	108		107		105		108		107	
460-199766-D-2-A SD ^10	17:28	116		114		114		116		114	
460-199723-1	17:33	117		112		112		114		114	
460-199723-2	17:36	106		105		104		106		106	
460-199723-3	17:38	114		110		110		113		110	
CCV 460-666196/41	17:41	107		106		104		108		107	
CCB 460-666196/42	17:43	108		105		105		105		102	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

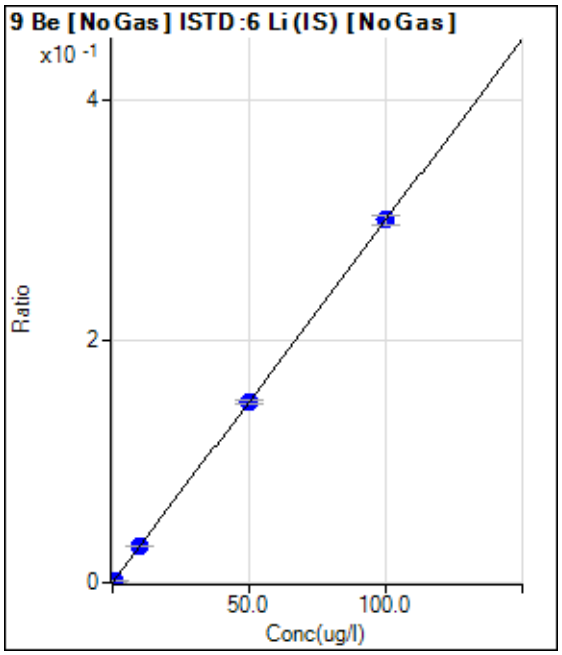
Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

ICP-MS Instrument ID: ICPMS3 Start Date: 12/31/2019 End Date: 12/31/2019

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
IC 460-666196/1	13:29	100		100		100					
IC 460-666196/2	13:31	100		100		100					
IC 460-666196/3	13:34	101		101		101					
IC 460-666196/4	13:36	107		108		108					
IC 460-666196/5	13:39	105		107		110					
IC 460-666196/6	13:41	105		107		111					
ICV 460-666196/7	13:44	106		108		109					
ICB 460-666196/8	13:46	107		107		107					
ICSA 460-666196/10	13:51	101		104		96					
ICSAB 460-666196/11	13:54	102		105		104					
LRC 460-666196/12	13:56	103		105		117					
LRC 460-666196/13	13:59	95		97		89					
LRC 460-666196/14	14:01	116		113		112					
CCV 460-666196/18	14:11	111		111		110					
CCB 460-666196/19	14:14	112		110		108					
CCV 460-666196/29	17:11	103		105		105					
CCB 460-666196/30	17:13	104		104		105					
MB 460-666141/1-A	17:16	106		105		105					
LCS 460-666141/2-A	17:18	102		102		102					
460-199766-D-2-C MS ^2	17:21	112		117		109					
460-199766-D-2-B DU ^2	17:23	101		104		97					
460-199766-D-2-A SD ^10	17:28	110		109		106					
460-199723-1	17:33	110		109		107					
460-199723-2	17:36	102		102		100					
460-199723-3	17:38	108		108		107					
CCV 460-666196/41	17:41	102		103		104					
CCB 460-666196/42	17:43	102		103		102					

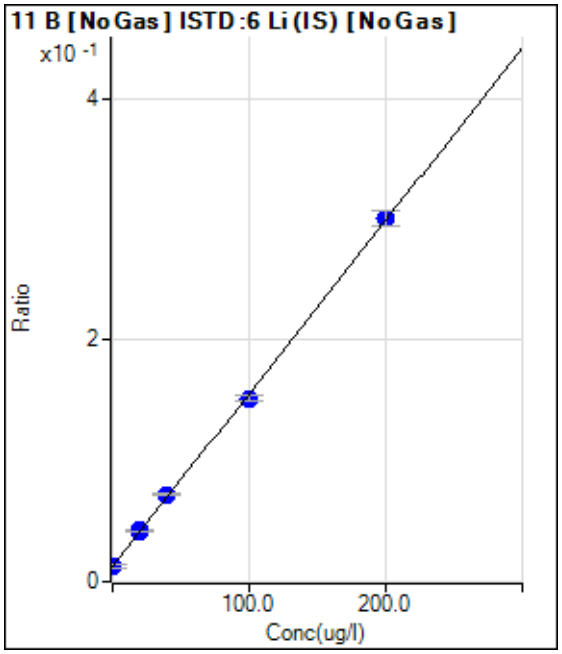
Batch Folder:	D:\Agilent\ICPMH\1\DATA\MT123119_2.b\
Analysis File:	MT123119_2.batch.bin
DA Date-Time:	2019-12-31 13:43:09
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	49.17	0.0000	P	6.6
2	☐	0.200	0.198	617.15	0.0006	P	2.7
3	☐	0.400	0.398	1217.66	0.0012	P	0.4
4	☐	10.000	9.956	32292.31	0.0299	P	2.4
5	☐	50.000	49.910	159460.96	0.1497	P	2.4
6	☐	100.000	100.139	317250.96	0.3003	P	2.5

y = 0.002999 * x + 4.580634E-005
R = 1.0000
DL = 0.003102
BEC = 0.01528

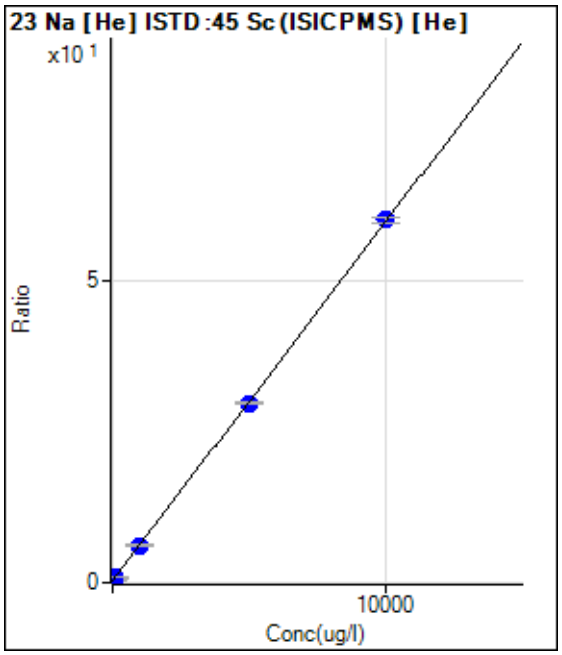
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.248	12853.76	0.0123	P	19.7
2	☐	20.000	20.670	40840.44	0.0422	P	1.6
3	☐	40.000	41.711	71108.38	0.0723	P	1.2
4	☐	20.000	19.833	44318.58	0.0410	P	1.2
5	☐	100.000	97.142	161467.44	0.1516	P	3.6
6	☐	200.000	201.055	317086.94	0.3002	P	4.4

y = 0.001430 * x + 0.012680
R = 0.9998
DL = 5.097
BEC = 8.867

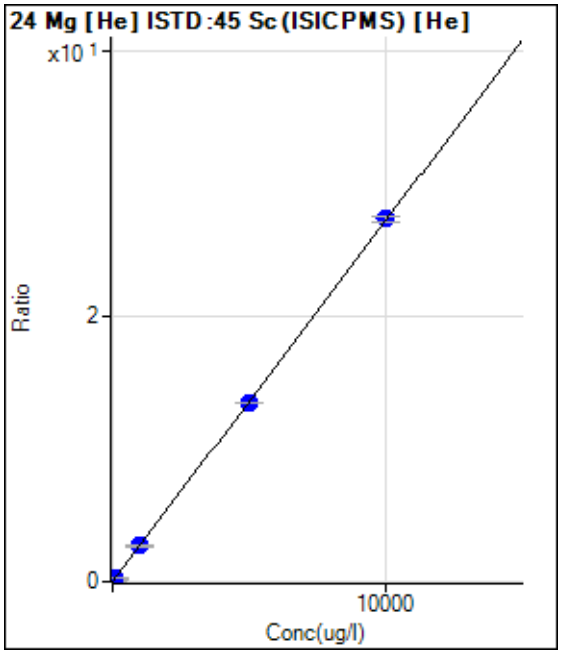
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.016	12976.65	0.3088	P	1.5
2	☐	50.000	51.922	24536.31	0.6166	P	2.4
3	☐	100.000	99.282	36688.24	0.8975	P	0.8
4	☐	1000.000	989.402	265233.98	6.1760	P	0.9
5	☐	5000.000	4951.552	1264283.82	29.672	P	0.5
6	☐	10000.00	10058.78	2495585.92	59.958	P	1.8

y = 0.005930 * x + 0.308706
R = 1.0000
DL = 2.332
BEC = 52.06

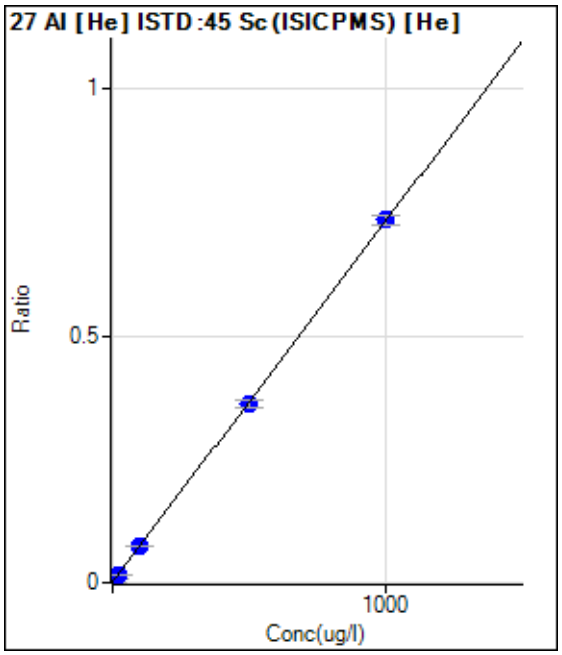
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.059	77.78	0.0019	P	18.9
2	☐	50.000	48.383	5298.72	0.1332	P	3.9
3	☐	100.000	96.049	10741.59	0.2627	P	2.3
4	☐	1000.000	989.081	115508.94	2.6898	P	1.9
5	☐	5000.000	4964.400	574950.88	13.493	P	0.4
6	☐	10000.00	10052.90	1137269.12	27.322	P	1.5

y = 0.002718 * x + 0.001692
R = 1.0000
DL = 0.3861
BEC = 0.6227

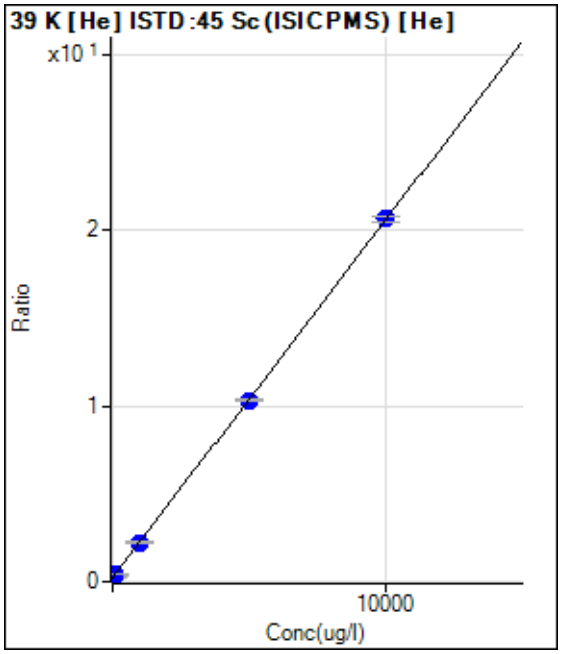
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.043	27.78	0.0007	P	13.2
2	☐	10.000	10.199	324.45	0.0082	P	2.3
3	☐	20.000	20.643	645.57	0.0158	P	7.8
4	☐	100.000	100.749	3194.80	0.0744	P	3.9
5	☐	500.000	494.386	15438.96	0.3624	P	3.4
6	☐	1000.000	1004.177	30606.14	0.7354	P	2.7

y = 7.316693E-004 * x + 6.921450E-004
R = 1.0000
DL = 0.3588
BEC = 0.946

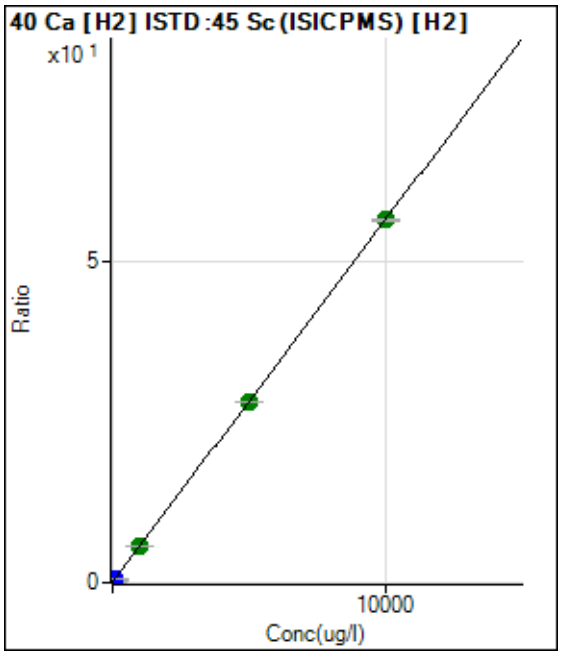
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.866	9112.78	0.2168	P	1.7
2	☐	50.000	52.693	12964.49	0.3258	P	4.1
3	☐	100.000	100.462	17295.45	0.4231	P	1.9
4	☐	1000.000	990.344	95985.90	2.2350	P	1.1
5	☐	5000.000	4970.646	440554.87	10.339	P	0.3
6	☐	10000.00	10037.16	859754.15	20.655	P	1.5

y = 0.002036 * x + 0.218554
R = 1.0000
DL = 5.392
BEC = 107.3

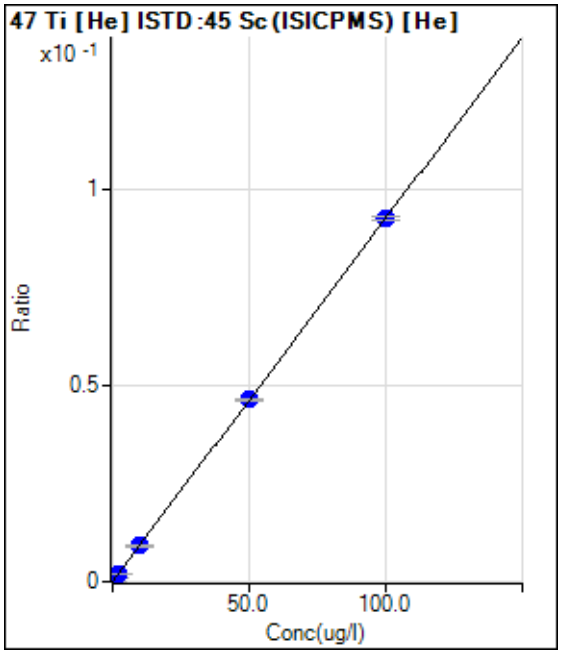
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-1.208	48978.30	0.0435	P	1.9
2	☐	50.000	53.856	373678.52	0.3539	P	0.7
3	☐	100.000	109.744	719216.78	0.6690	P	0.7
4	☐	1000.000	1018.790	6695337.50	5.7935	A	1.2
5	☐	5000.000	4976.109	32673350.12	28.101	A	0.9
6	☐	10000.00	9994.396	64774920.97	56.391	A	0.7

y = 0.005637 * x + 0.050320
R = 1.0000
DL = 0.4312
BEC = 8.926

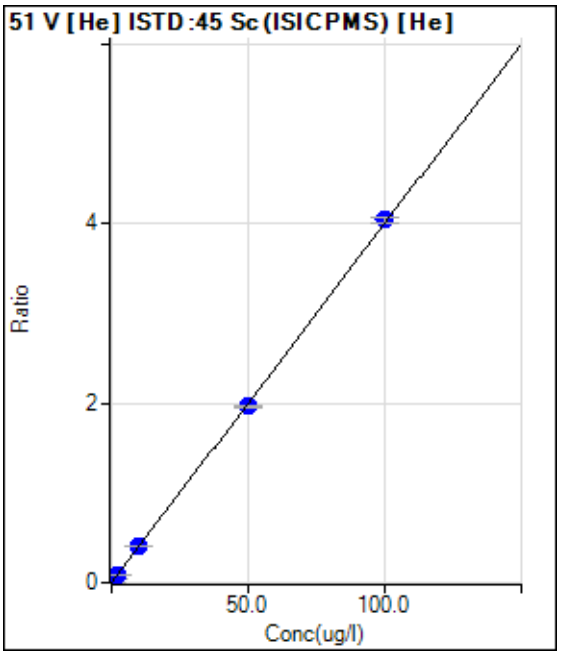
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.013	0.67	0.0000	P	41.7
2	☐	1.000	1.025	38.83	0.0010	P	7.9
3	☐	2.000	2.025	77.83	0.0019	P	6.1
4	☐	10.000	9.880	394.16	0.0092	P	6.0
5	☐	50.000	50.143	1979.86	0.0465	P	0.9
6	☐	100.000	99.940	3853.97	0.0926	P	1.1

y = 9.261300E-004 * x + 2.785176E-005
R = 1.0000
DL = 0.02132
BEC = 0.03007

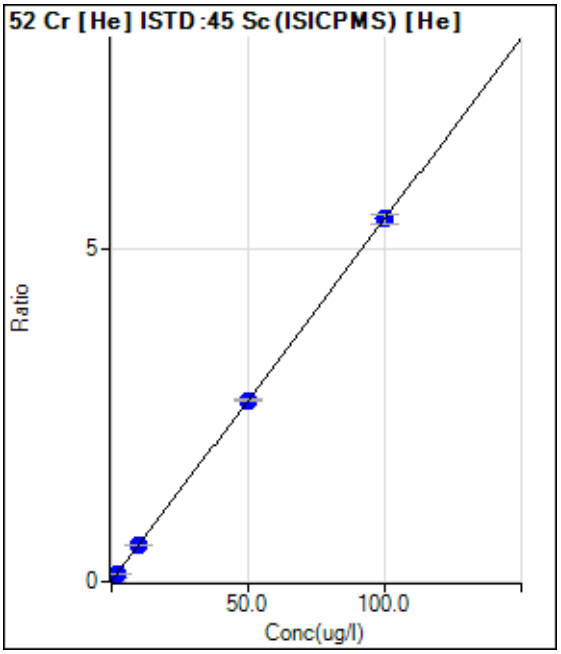
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.002	24.44	0.0006	P	21.3
2	☐	1.000	0.921	1484.53	0.0373	P	2.2
3	☐	2.000	1.936	3183.69	0.0779	P	1.3
4	☐	10.000	10.022	17218.77	0.4010	P	0.6
5	☐	50.000	49.078	83577.10	1.9614	P	0.5
6	☐	100.000	101.078	168116.55	4.0391	P	1.8

y = 0.039955 * x + 5.102109E-004
R = 0.9999
DL = 0.009293
BEC = 0.01277

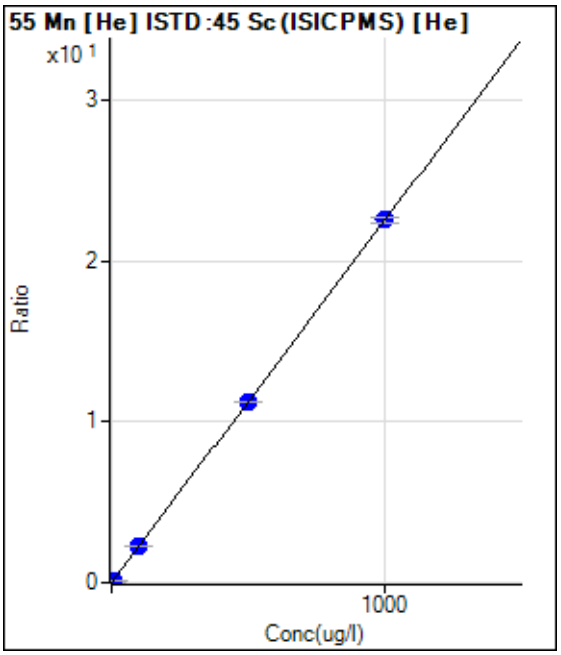
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.002	221.11	0.0053	P	13.8
2	☐	1.000	1.022	2424.66	0.0609	P	1.3
3	☐	2.000	2.030	4729.66	0.1157	P	5.6
4	☐	10.000	10.029	23646.38	0.5506	P	1.4
5	☐	50.000	49.850	115705.63	2.7156	P	0.9
6	☐	100.000	100.071	226658.95	5.4460	P	2.3

y = 0.054368 * x + 0.005360
R = 1.0000
DL = 0.03997
BEC = 0.09859

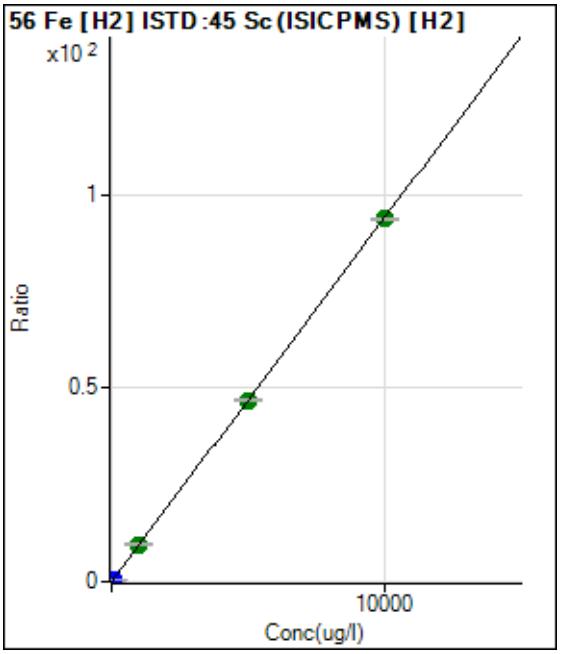
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.001	15.56	0.0004	P	11.8
2	☐	2.000	2.130	1920.14	0.0483	P	7.1
3	☐	4.000	4.084	3769.39	0.0922	P	4.7
4	☐	100.000	99.989	96555.91	2.2483	P	0.1
5	☐	500.000	497.663	476764.27	11.188	P	0.3
6	☐	1000.000	1002.160	937803.17	22.530	P	1.6

y = 0.022482 * x + 3.989917E-004
R = 1.0000
DL = 0.005816
BEC = 0.01775

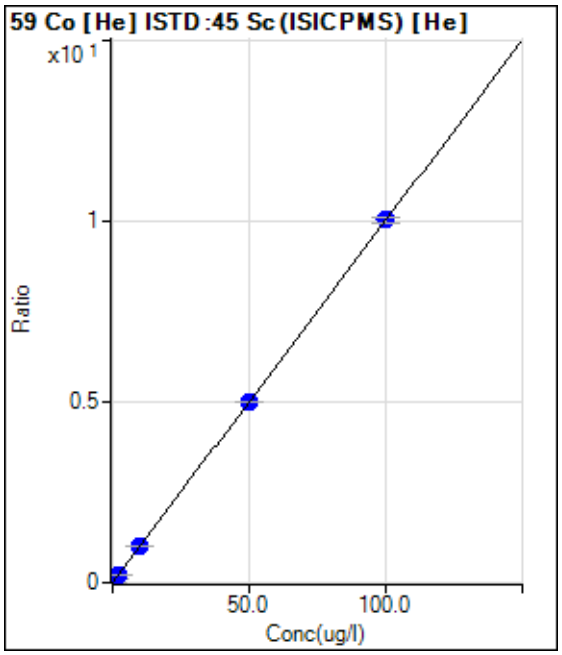
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.153	7769.89	0.0069	P	3.1
2	☐	30.000	32.543	331966.78	0.3144	P	0.6
3	☐	60.000	67.478	691273.40	0.6430	P	0.4
4	☐	1000.000	1028.450	11188265.06	9.6808	A	0.6
5	☐	5000.000	4989.651	54571405.73	46.935	A	0.2
6	☐	10000.00	9973.950	107757687.2	93.812	A	0.7

y = 0.009405 * x + 0.008342
R = 1.0000
DL = 0.0693
BEC = 0.887

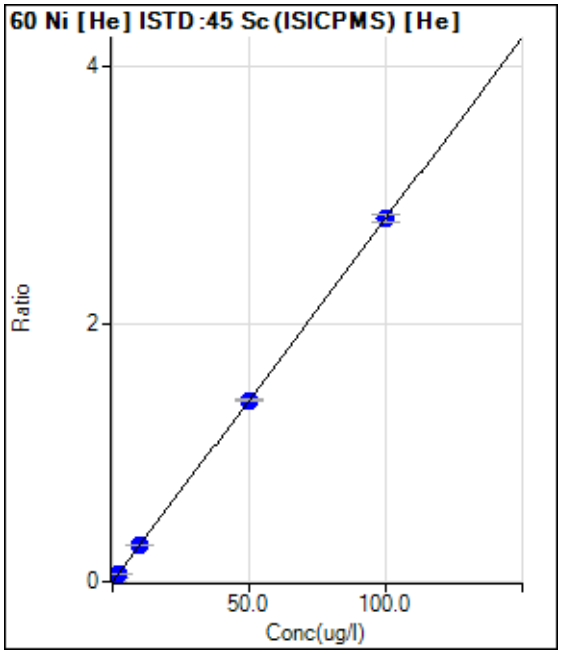
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0002	P	89.0
2	☐	1.000	0.954	3811.62	0.0958	P	1.3
3	☐	2.000	1.988	8150.03	0.1994	P	1.9
4	☐	10.000	9.876	42495.66	0.9895	P	0.6
5	☐	50.000	49.923	213107.02	5.0013	P	0.6
6	☐	100.000	100.264	418063.29	10.044	P	1.8

y = 0.100176 * x + 2.229190E-004
R = 1.0000
DL = 0.006358
BEC = 0.002225

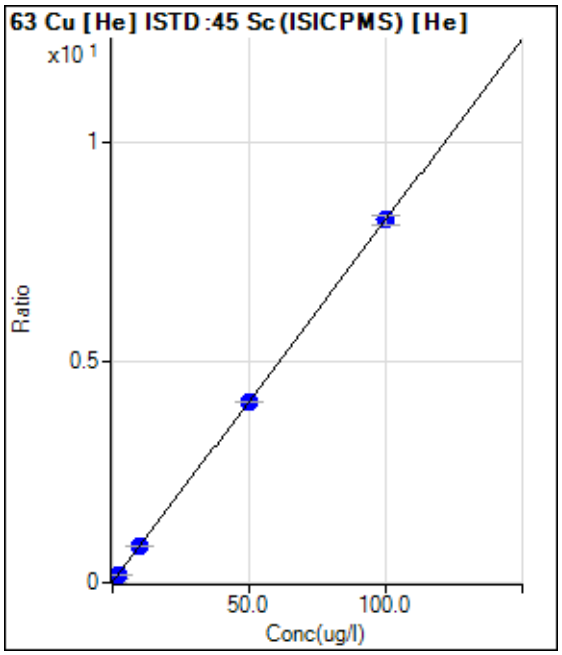
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.001	52.22	0.0012	P	5.1
2	☐	1.000	1.010	1180.05	0.0297	P	6.5
3	☐	2.000	1.919	2260.19	0.0553	P	2.7
4	☐	10.000	10.078	12248.40	0.2852	P	0.3
5	☐	50.000	50.009	60093.45	1.4104	P	0.7
6	☐	100.000	99.987	117312.59	2.8187	P	2.2

y = 0.028178 * x + 0.001213
R = 1.0000
DL = 0.006746
BEC = 0.04305

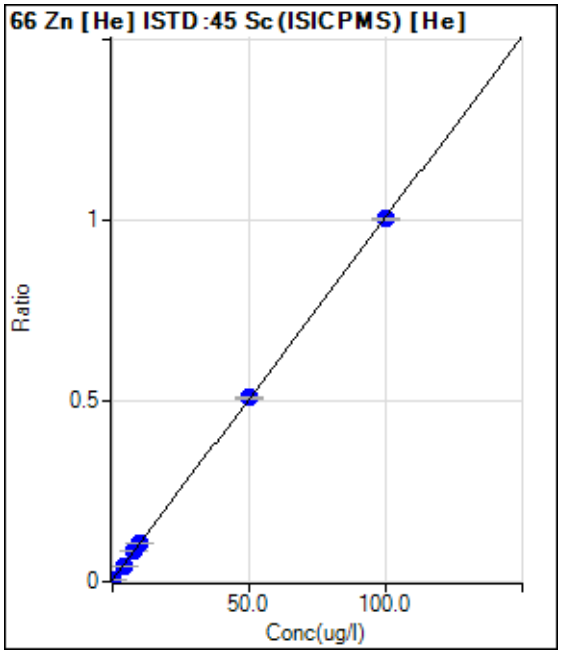
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.003	304.45	0.0072	P	13.0
2	☐	1.000	0.986	3507.10	0.0881	P	1.0
3	☐	2.000	1.928	6770.46	0.1656	P	1.4
4	☐	10.000	10.231	36451.07	0.8488	P	0.5
5	☐	50.000	49.811	174916.86	4.1052	P	0.4
6	☐	100.000	100.050	342876.58	8.2385	P	2.4

y = 0.082274 * x + 0.007021
R = 1.0000
DL = 0.03427
BEC = 0.08534

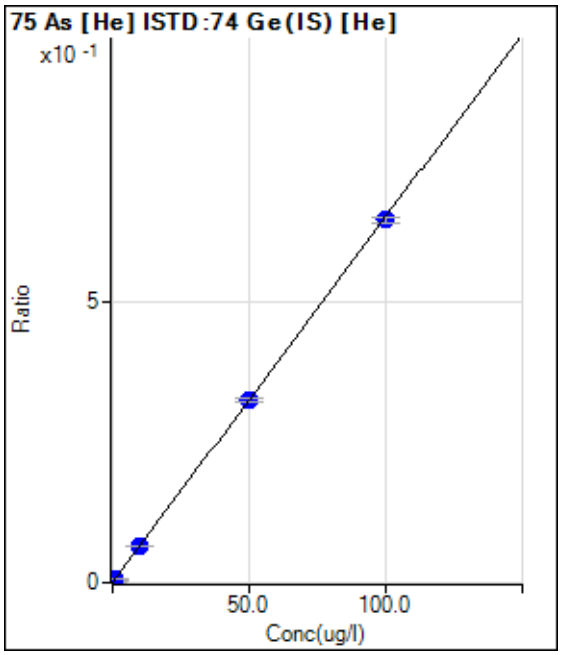
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.006	218.89	0.0052	P	8.5
2	☐	4.000	3.887	1756.78	0.0441	P	1.4
3	☐	8.000	7.885	3443.75	0.0842	P	0.9
4	☐	10.000	10.264	4642.97	0.1081	P	1.4
5	☐	50.000	50.339	21732.57	0.5101	P	1.5
6	☐	100.000	99.633	41816.37	1.0045	P	0.6

y = 0.010031 * x + 0.005147
R = 1.0000
DL = 0.133
BEC = 0.5132

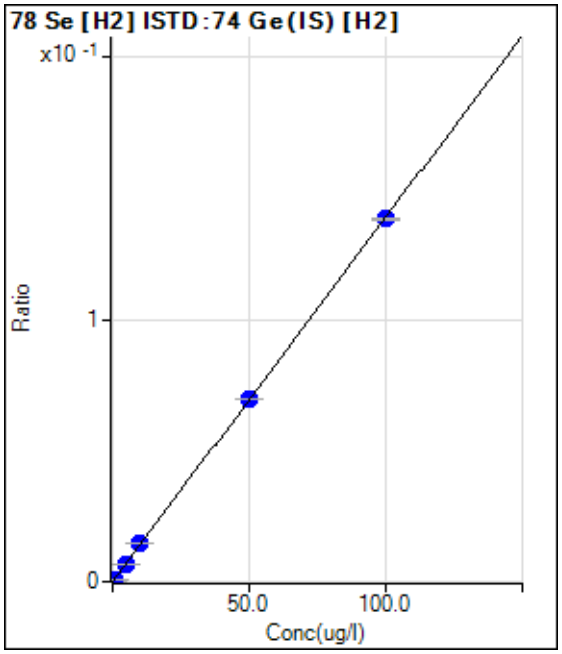
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.001	11.33	0.0003	P	26.1
2	☐	0.500	0.487	120.01	0.0035	P	8.5
3	☐	1.000	0.965	231.69	0.0066	P	7.2
4	☐	10.000	10.111	2470.12	0.0660	P	1.5
5	☐	50.000	49.935	12311.68	0.3249	P	1.3
6	☐	100.000	99.227	24240.51	0.6453	P	1.6

y = 0.0065 * x + 3.0265E-004
R = 1.0000
DL = 0.03749
BEC = 0.04656

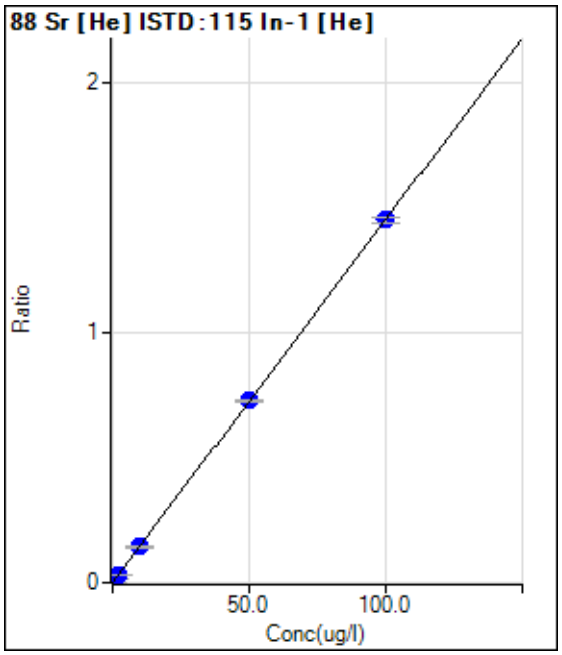
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.002	7.78	0.0000	P	25.7
2	☐	0.500	0.446	185.56	0.0006	P	10.2
3	☐	5.000	4.627	1913.47	0.0064	P	3.2
4	☐	10.000	10.635	4739.68	0.0148	P	0.1
5	☐	50.000	50.193	22620.70	0.0697	P	1.0
6	☐	100.000	99.672	44270.66	0.1384	P	0.4

y = 0.001389 * x + 2.168250E-005
R = 1.0000
DL = 0.01395
BEC = 0.01561

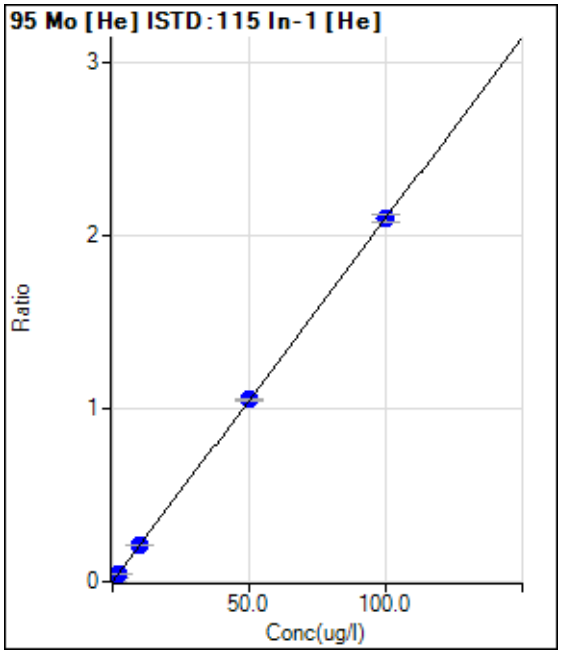
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.67	0.0001	P	51.8
2	☐	1.000	0.995	1084.49	0.0145	P	7.9
3	☐	2.000	2.039	2239.07	0.0297	P	0.8
4	☐	10.000	9.827	11386.72	0.1428	P	1.0
5	☐	50.000	50.148	57206.76	0.7285	P	1.1
6	☐	100.000	99.996	113617.65	1.4525	P	1.3

y = 0.014525 * x + 8.510045E-005
R = 1.0000
DL = 0.009103
BEC = 0.005859

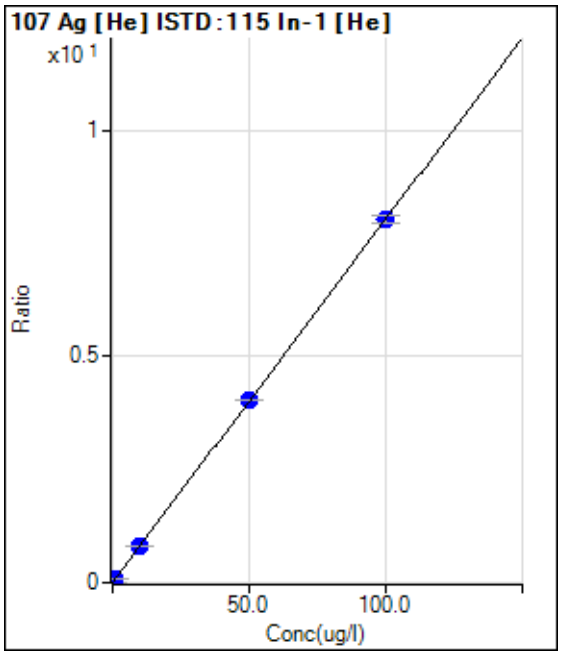
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	2.0
2	☐	1.000	0.964	1514.53	0.0203	P	5.6
3	☐	2.000	2.004	3177.04	0.0421	P	0.9
4	☐	10.000	9.994	16744.09	0.2100	P	0.7
5	☐	50.000	50.094	82641.44	1.0525	P	1.7
6	☐	100.000	99.945	164233.77	2.0998	P	2.1

y = 0.021009 * x + 4.081762E-005
R = 1.0000
DL = 0.0001202
BEC = 0.001943

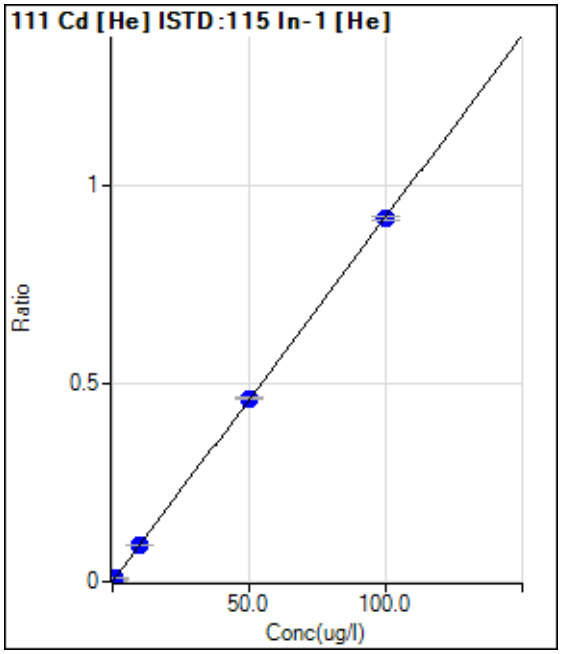
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.009	281.11	0.0036	P	2.5
2	☐	1.000	0.892	5562.22	0.0745	P	1.7
3	☐	1.000	0.923	5803.41	0.0770	P	3.0
4	☐	10.000	9.903	63652.68	0.7984	P	0.4
5	☐	50.000	50.397	318157.67	4.0514	P	0.1
6	☐	100.000	99.900	627911.71	8.0281	P	2.1

y = 0.080332 * x + 0.002856
R = 1.0000
DL = 0.003264
BEC = 0.03555

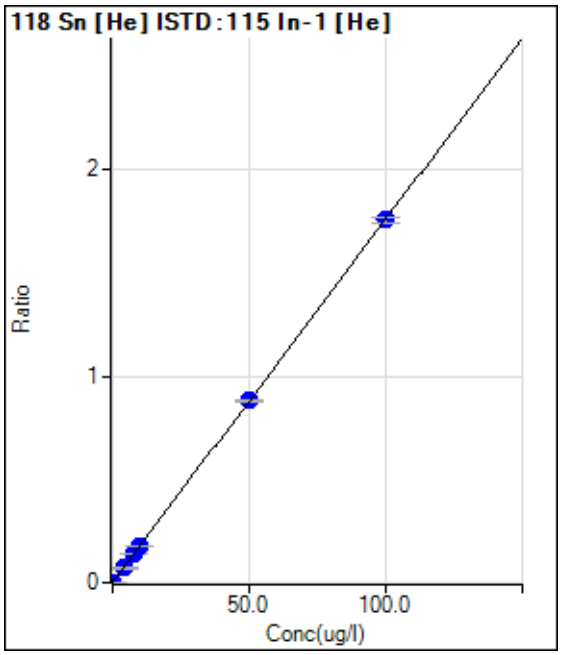
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.44	0.0001	P	45.5
2	☐	0.500	0.458	318.89	0.0043	P	4.5
3	☐	1.000	1.064	743.36	0.0099	P	4.5
4	☐	10.000	10.082	7410.84	0.0930	P	1.4
5	☐	50.000	50.342	36434.95	0.4639	P	1.4
6	☐	100.000	99.567	71775.63	0.9175	P	1.1

y = 0.009215 * x + 5.553275E-005
R = 1.0000
DL = 0.008398
BEC = 0.006026

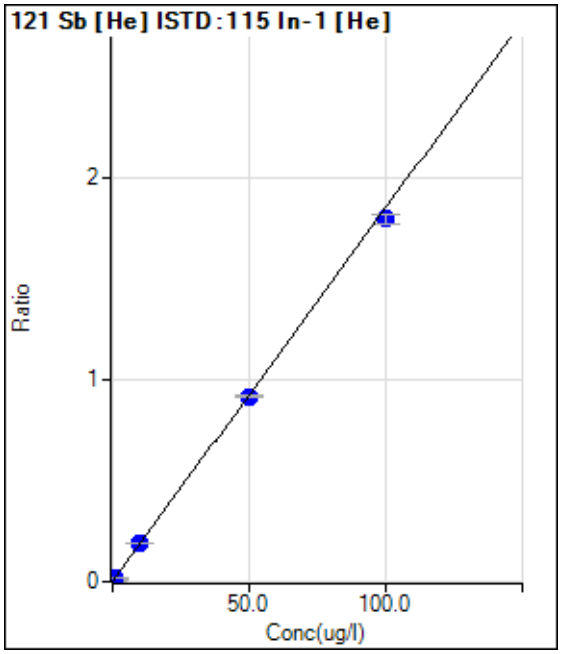
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.001	125.56	0.0016	P	19.2
2	☐	4.000	3.912	5243.22	0.0703	P	1.9
3	☐	8.000	7.962	10656.22	0.1414	P	1.9
4	☐	10.000	10.112	14281.61	0.1791	P	0.5
5	☐	50.000	50.108	69221.64	0.8814	P	0.6
6	☐	100.000	99.908	137344.76	1.7559	P	1.6

y = 0.017559 * x + 0.001574
R = 1.0000
DL = 0.05228
BEC = 0.08962

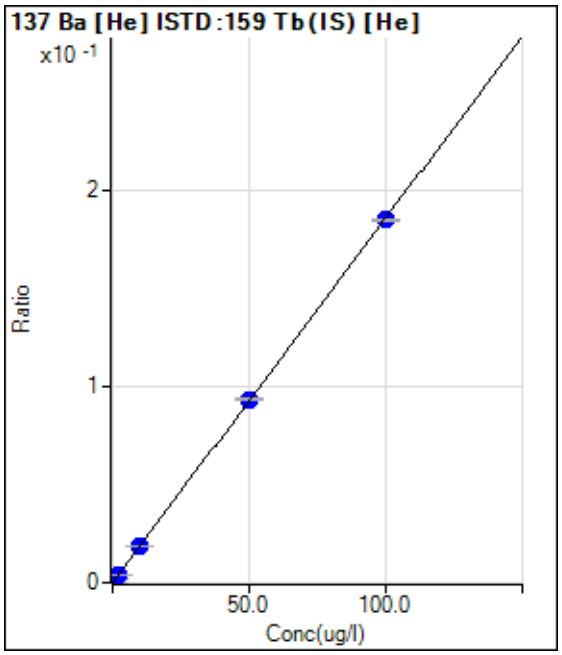
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85.56	0.0011	P	0.8
2	☐	0.500	0.577	876.70	0.0117	P	3.3
3	☐	1.000	1.086	1594.54	0.0212	P	6.4
4	☐	10.000	10.133	15014.63	0.1883	P	1.2
5	☐	50.000	49.498	71915.34	0.9157	P	0.9
6	☐	100.000	97.116	140443.99	1.7957	P	2.3

y = 0.0185 * x + 0.0011
R = 1.0000
DL = 0.001404
BEC = 0.05879

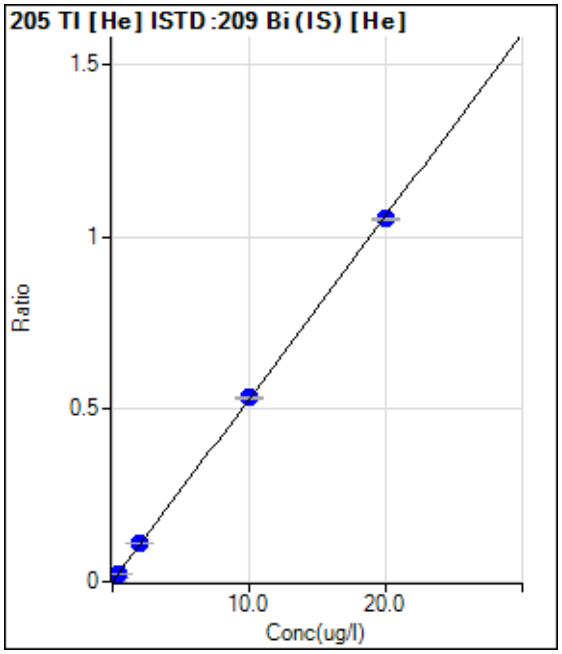
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.44	0.0000	P	114.
2	☐	1.000	0.993	571.12	0.0019	P	9.9
3	☐	2.000	2.107	1215.62	0.0039	P	7.0
4	☐	10.000	10.033	6166.94	0.0186	P	1.9
5	☐	50.000	50.264	30807.93	0.0932	P	1.4
6	☐	100.000	99.612	60626.81	0.1847	P	0.5

y = 0.001854 * x + 1.414126E-005
R = 1.0000
DL = 0.02495
BEC = 0.007627

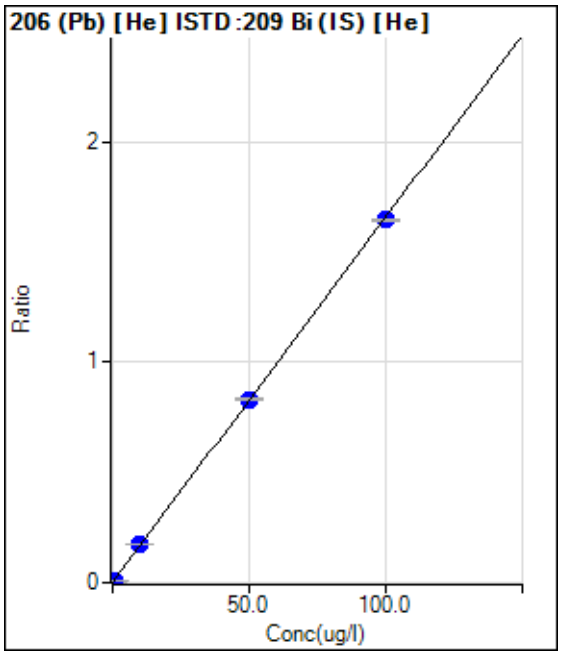
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0003	P	28.0
2	☐	0.200	0.202	2704.73	0.0110	P	4.1
3	☐	0.400	0.403	5403.33	0.0217	P	3.3
4	☐	2.000	2.083	29429.60	0.1107	P	2.2
5	☐	10.000	10.059	144707.61	0.5334	P	0.7
6	☐	20.000	19.859	286996.23	1.0529	P	0.5

y = 0.053001 * x + 3.110360E-004
R = 1.0000
DL = 0.00468
BEC = 0.005869

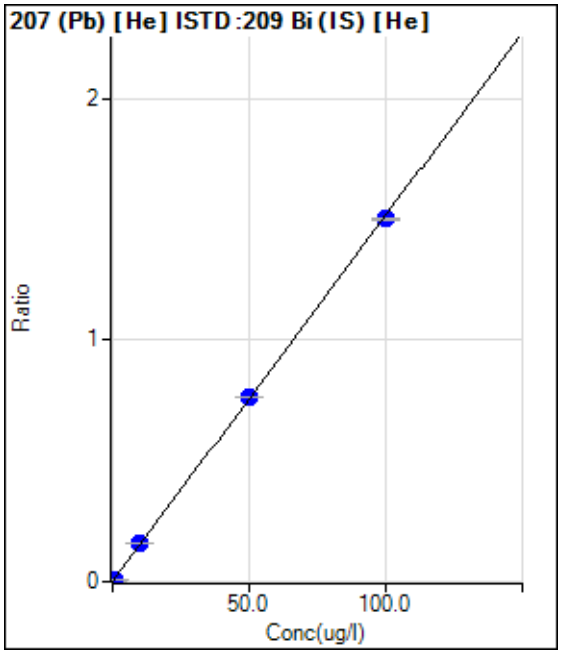
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.012	200.00	0.0008	P	8.2
2	☐	0.300	0.356	1685.68	0.0069	P	4.9
3	☐	0.600	0.658	2957.01	0.0119	P	1.4
4	☐	10.000	10.464	46351.07	0.1743	P	1.0
5	☐	50.000	50.107	225477.16	0.8312	P	0.7
6	☐	100.000	99.367	449051.07	1.6473	P	0.2

y = 0.016569 * x + 9.542597E-004
R = 1.0000
DL = 0.01123
BEC = 0.05759

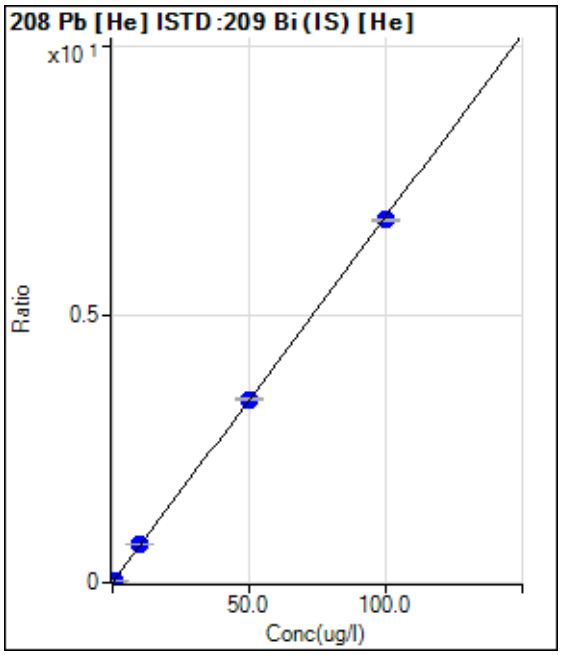
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.008	170.00	0.0006	P	14.9
2	☐	0.300	0.332	1426.76	0.0058	P	1.8
3	☐	0.600	0.642	2619.16	0.0105	P	2.3
4	☐	10.000	10.440	42262.30	0.1589	P	0.7
5	☐	50.000	50.382	207262.96	0.7640	P	0.4
6	☐	100.000	99.147	409647.21	1.5028	P	0.4

y = 0.015149 * x + 7.663750E-004
R = 1.0000
DL = 0.01906
BEC = 0.05059

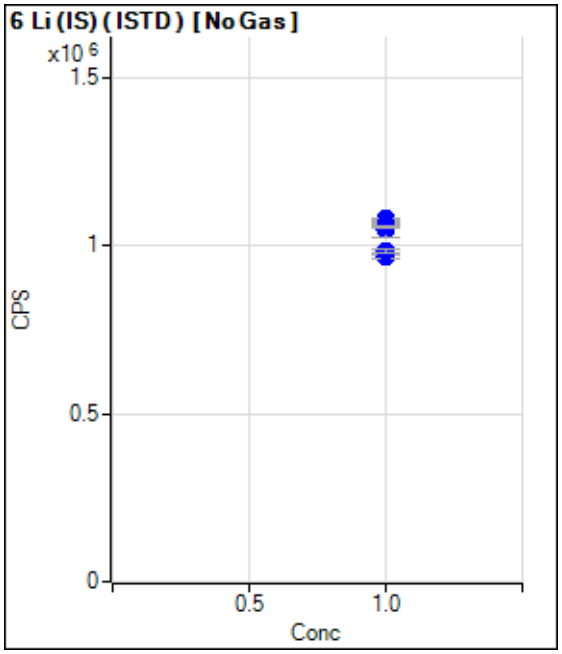
Weight: 1/y
Min Conc: <None>



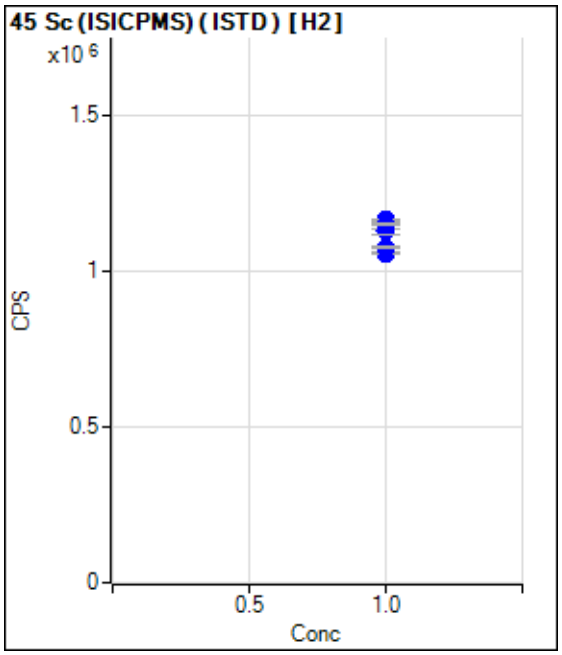
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.009	757.79	0.0029	P	3.4
2	☐	0.300	0.339	6549.57	0.0266	P	0.8
3	☐	0.600	0.658	12067.75	0.0484	P	0.6
4	☐	10.000	10.472	190758.34	0.7174	P	0.5
5	☐	50.000	50.207	929414.71	3.4260	P	0.4
6	☐	100.000	99.272	1845589.73	6.7706	P	0.4

y = 0.068167 * x + 0.003521
R = 1.0000
DL = 0.004275
BEC = 0.05165

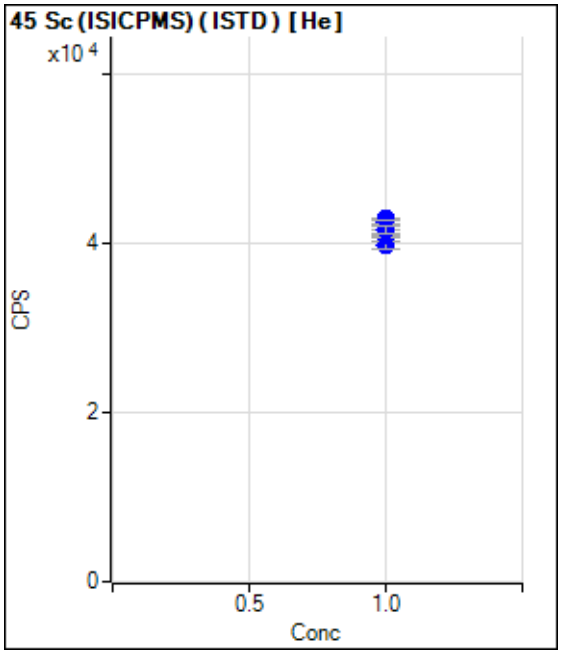
Weight: 1/y
Min Conc: <None>



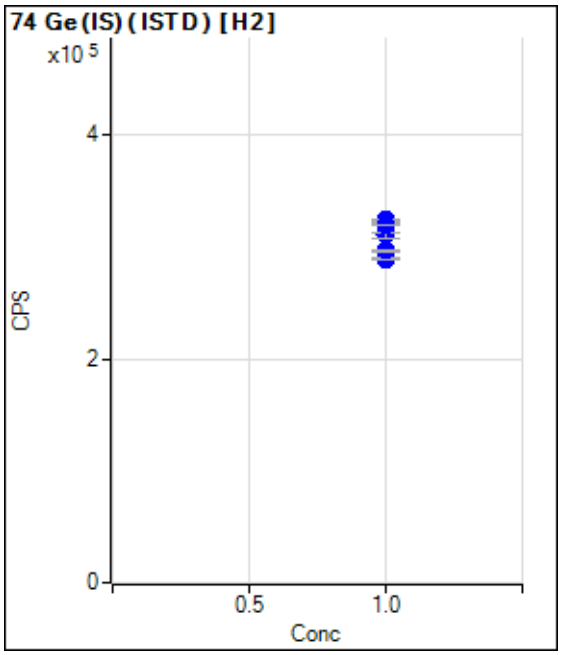
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1050244.13		P	5.4
2	☐	1.000		966982.85		P	0.9
3	☐	1.000		983083.84		P	0.9
4	☐	1.000		1079881.42		P	0.5
5	☐	1.000		1065029.27		P	0.6
6	☐	1.000		1056345.46		P	0.2



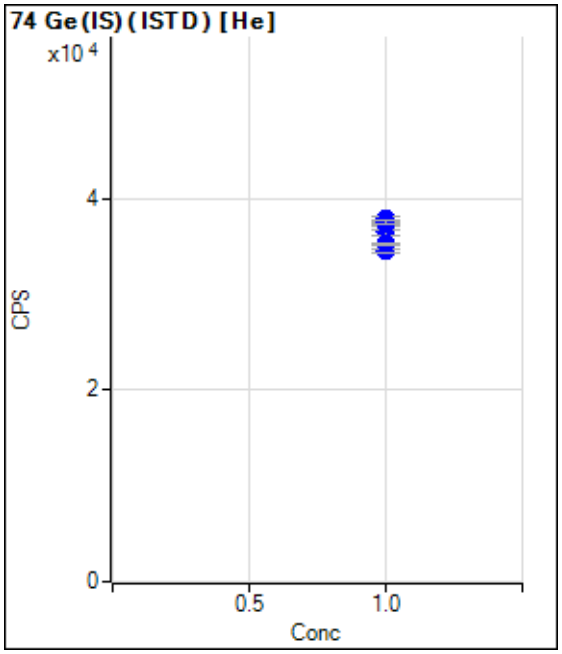
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1125559.22		P	1.6
2	☐	1.000		1055847.32		P	0.3
3	☐	1.000		1075122.47		P	0.2
4	☐	1.000		1155755.28		P	1.2
5	☐	1.000		1162674.57		P	0.7
6	☐	1.000		1148662.89		P	0.3



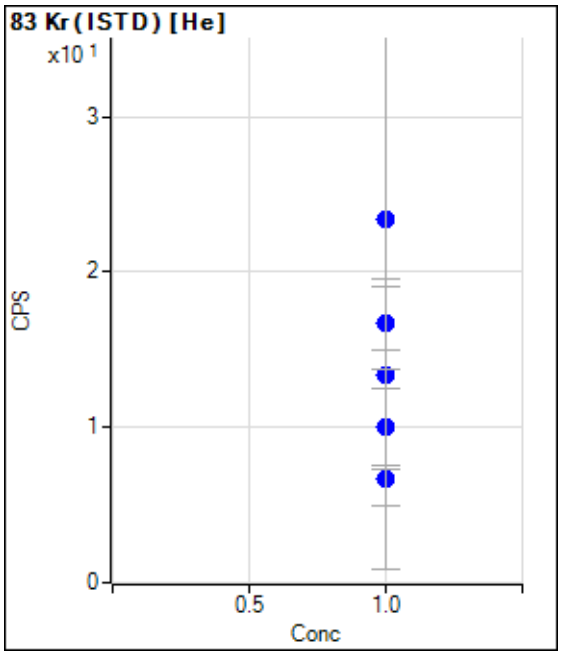
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		42028.28		P	1.5
2	☐	1.000		39797.84		P	2.1
3	☐	1.000		40880.71		P	0.7
4	☐	1.000		42945.27		P	0.8
5	☐	1.000		42609.86		P	1.0
6	☐	1.000		41630.50		P	1.8



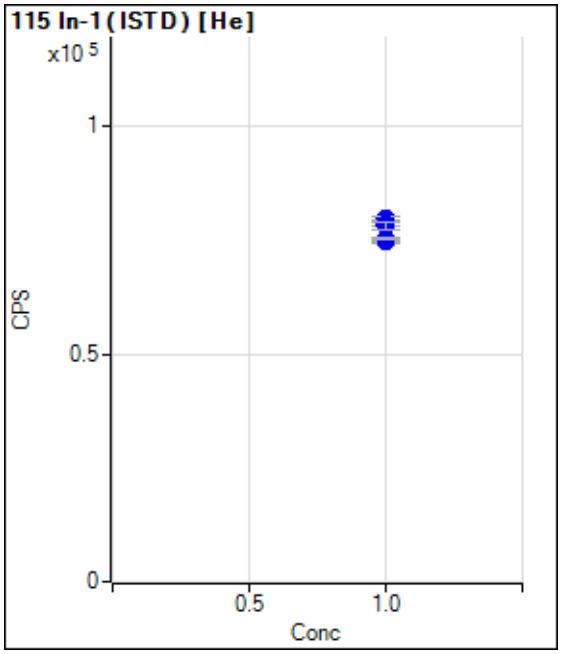
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		310468.83		P	1.6
2	☐	1.000		289204.65		P	0.6
3	☐	1.000		296788.65		P	0.2
4	☐	1.000		320464.90		P	0.3
5	☐	1.000		324441.44		P	0.7
6	☐	1.000		319809.14		P	0.3



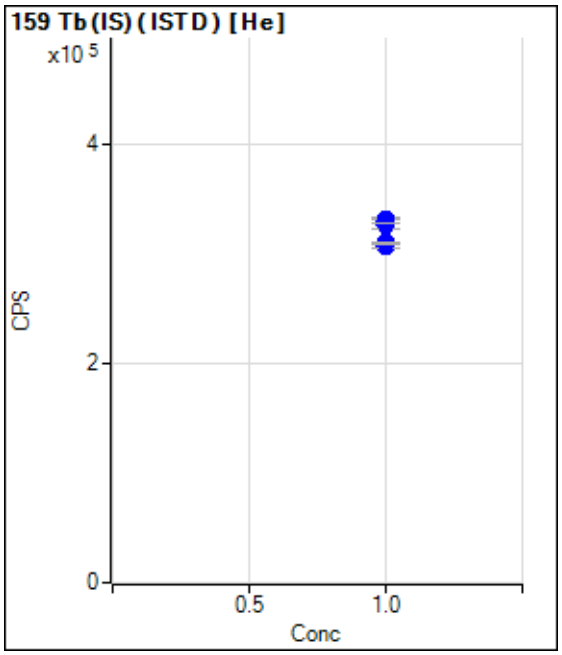
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		36478.17		P	1.8
2	☐	1.000		34584.84		P	1.2
3	☐	1.000		35251.89		P	0.8
4	☐	1.000		37414.92		P	1.6
5	☐	1.000		37895.09		P	1.2
6	☐	1.000		37569.81		P	1.4



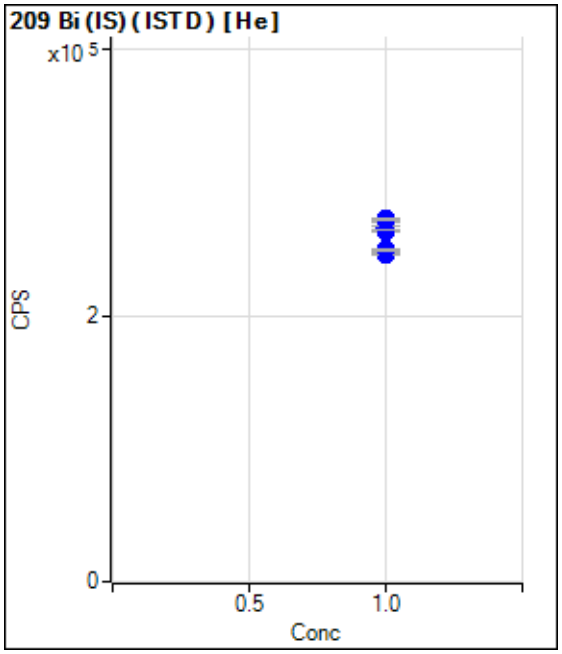
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13.35		P	86.6
2	☐	1.000		16.68		P	34.6
3	☐	1.000		16.68		P	34.6
4	☐	1.000		10.01		P	100.
5	☐	1.000		23.36		P	137.
6	☐	1.000		6.67		P	173.



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		78815.49		P	2.0
2	☐	1.000		74611.45		P	0.5
3	☐	1.000		75376.47		P	0.4
4	☐	1.000		79725.21		P	1.2
5	☐	1.000		78530.57		P	1.0
6	☐	1.000		78235.82		P	2.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		325910.49		P	1.4
2	☐	1.000		307860.18		P	1.0
3	☐	1.000		310085.07		P	0.6
4	☐	1.000		331268.65		P	1.3
5	☐	1.000		330487.89		P	1.0
6	☐	1.000		328221.28		P	0.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		263143.40		P	0.2
2	☐	1.000		246062.32		P	0.4
3	☐	1.000		249522.13		P	0.9
4	☐	1.000		265902.78		P	1.3
5	☐	1.000		271280.58		P	0.8
6	☐	1.000		272591.07		P	0.7

Sample Report

File Name 001SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:24:28

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		1000	
B	11	6	No Gas		ug/l		500	
Na	23	45	He		ug/l		200000	
Mg	24	45	He		ug/l		150000	
Al	27	45	He		ug/l		50000	
K	39	45	He		ug/l		200000	
Ca	40	45	H2		ug/l		150000	
Ti	47	45	He		ug/l		1000	
V	51	45	He		ug/l		2000	
Cr	52	45	He		ug/l		4000	
Mn	55	45	He		ug/l		5000	
Fe	56	45	H2		ug/l		100000	
Co	59	45	He		ug/l		1000	
Ni	60	45	He		ug/l		1000	
Cu	63	45	He		ug/l		1000	
Zn	66	45	He		ug/l		1000	
As	75	74	He		ug/l		2000	
Se	78	74	H2		ug/l		1000	
Sr	88	115	He		ug/l		2000	
Mo	95	115	He		ug/l		1000	
Ag	107	115	He		ug/l		100	
Cd	111	115	He		ug/l		2000	
Sn	118	115	He		ug/l		100	
Sb	121	115	He		ug/l		100	
Ba	137	159	He		ug/l		5000	
Tl	205	209	He		ug/l		1000	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	927308.33	0.3		70	120	
Sc (ISICPMS)	45	H2	1013054.59	1.6		70	120	
Sc (ISICPMS)	45	He	37814.95	1.3		70	120	
Ge (IS)	74	H2	275184.93	1.1		70	120	
Ge (IS)	74	He	32516.75	1.0		70	120	
Kr	83	He	33.37	62.4				
In-1	115	He	69583.00	1.5		70	120	
Tb (IS)	159	He	285861.97	1.1		70	120	
Bi (IS)	209	He	233058.63	1.5		70	120	

Sample Report

File Name 002SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:26:57

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		1000	
B	11	6	No Gas		ug/l		500	
Na	23	45	He		ug/l		200000	
Mg	24	45	He		ug/l		150000	
Al	27	45	He		ug/l		50000	
K	39	45	He		ug/l		200000	
Ca	40	45	H2		ug/l		150000	
Ti	47	45	He		ug/l		1000	
V	51	45	He		ug/l		2000	
Cr	52	45	He		ug/l		4000	
Mn	55	45	He		ug/l		5000	
Fe	56	45	H2		ug/l		100000	
Co	59	45	He		ug/l		1000	
Ni	60	45	He		ug/l		1000	
Cu	63	45	He		ug/l		1000	
Zn	66	45	He		ug/l		1000	
As	75	74	He		ug/l		2000	
Se	78	74	H2		ug/l		1000	
Sr	88	115	He		ug/l		2000	
Mo	95	115	He		ug/l		1000	
Ag	107	115	He		ug/l		100	
Cd	111	115	He		ug/l		2000	
Sn	118	115	He		ug/l		100	
Sb	121	115	He		ug/l		100	
Ba	137	159	He		ug/l		5000	
Tl	205	209	He		ug/l		1000	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1026412.17	0.6		70	120	
Sc (ISICPMS)	45	H2	1098171.88	0.7		70	120	
Sc (ISICPMS)	45	He	41548.08	1.1		70	120	
Ge (IS)	74	H2	294664.14	0.3		70	120	
Ge (IS)	74	He	36105.12	1.2		70	120	
Kr	83	He	6.67	86.6				
In-1	115	He	77953.77	2.0		70	120	
Tb (IS)	159	He	322710.42	1.9		70	120	
Bi (IS)	209	He	260182.94	1.0		70	120	

Calibration Blank

File Name 003CALB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:29:27

Sample Name **IC Cal Blk**

Comment ---

Dilution 1.0000

Multi Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	49.17	8.2
B	11	6	No Gas	12853.76	14.3
Na	23	45	He	12976.65	0.7
Mg	24	45	He	77.78	17.8
Al	27	45	He	27.78	13.9
K	39	45	He	9112.78	3.2
Ca	40	45	H2	48978.30	2.7
Ti	47	45	He	0.67	43.3
V	51	45	He	24.44	20.8
Cr	52	45	He	221.11	15.2
Mn	55	45	He	15.56	12.4
Fe	56	45	H2	7769.89	3.3
Co	59	45	He	10.00	88.2
Ni	60	45	He	52.22	3.7
Cu	63	45	He	304.45	13.6
Zn	66	45	He	218.89	8.4
As	75	74	He	11.33	25.5
Se	78	74	H2	7.78	24.7
Sr	88	115	He	6.67	50.0
Mo	95	115	He	3.33	0.0
Ag	107	115	He	281.11	3.6
Cd	111	115	He	4.44	43.4
Sn	118	115	He	125.56	17.7
Sb	121	115	He	85.56	2.3
Ba	137	159	He	4.44	114.6
Tl	205	209	He	77.78	27.9
(Pb)	206	209	He	200.00	8.3
(Pb)	207	209	He	170.00	14.8
Pb	208	209	He	757.79	3.3

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	1050244.13	5.4	100.0
Sc (ISICPMS)	45	H2	1125559.22	1.6	100.0
Sc (ISICPMS)	45	He	42028.28	1.5	100.0
Ge (IS)	74	H2	310468.83	1.6	100.0
Ge (IS)	74	He	36478.17	1.8	100.0
Kr	83	He	13.35	86.6	100.0
In-1	115	He	78815.49	2.0	100.0
Tb (IS)	159	He	325910.49	1.4	100.0
Bi (IS)	209	He	263143.40	0.2	100.0

Calibration Blank

File Name 004CALB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:31:56

Sample Name **IC Cal-1 7587674**

Comment ---

Dilution 1.0000

Multiquant Table 1102

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	617.15	3.0
B	11	6	No Gas	40840.44	0.7
Na	23	45	He	24536.31	2.5
Mg	24	45	He	5298.72	3.1
Al	27	45	He	324.45	1.6
K	39	45	He	12964.49	3.7
Ca	40	45	H2	373678.52	0.5
Ti	47	45	He	38.83	5.8
V	51	45	He	1484.53	1.9
Cr	52	45	He	2424.66	2.8
Mn	55	45	He	1920.14	5.7
Fe	56	45	H2	331966.78	0.3
Co	59	45	He	3811.62	1.2
Ni	60	45	He	1180.05	5.6
Cu	63	45	He	3507.10	3.0
Zn	66	45	He	1756.78	3.3
As	75	74	He	120.01	8.5
Se	78	74	H2	185.56	10.4
Sr	88	115	He	1084.49	8.0
Mo	95	115	He	1514.53	5.8
Ag	107	115	He	5562.22	2.0
Cd	111	115	He	318.89	4.9
Sn	118	115	He	5243.22	2.0
Sb	121	115	He	876.70	3.6
Ba	137	159	He	571.12	10.4
Tl	205	209	He	2704.73	4.1
(Pb)	206	209	He	1685.68	4.7
(Pb)	207	209	He	1426.76	1.7
Pb	208	209	He	6549.57	0.4

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	966982.85	0.9	100.0
Sc (ISICPMS)	45	H2	1055847.32	0.3	100.0
Sc (ISICPMS)	45	He	39797.84	2.1	100.0
Ge (IS)	74	H2	289204.65	0.6	100.0
Ge (IS)	74	He	34584.84	1.2	100.0
Kr	83	He	16.68	34.6	100.0
In-1	115	He	74611.45	0.5	100.0
Tb (IS)	159	He	307860.18	1.0	100.0
Bi (IS)	209	He	246062.32	0.4	100.0

Calibration Standard

File Name 005CALS.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:34:25

Sample Name **IC Cal-2 7587691**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	1217.66	1.2
B	11	6	No Gas	71108.38	2.0
Na	23	45	He	36688.24	0.7
Mg	24	45	He	10741.59	3.0
Al	27	45	He	645.57	7.2
K	39	45	He	17295.45	1.3
Ca	40	45	H2	719216.78	0.5
Ti	47	45	He	77.83	6.5
V	51	45	He	3183.69	1.5
Cr	52	45	He	4729.66	5.2
Mn	55	45	He	3769.39	4.1
Fe	56	45	H2	691273.40	0.6
Co	59	45	He	8150.03	1.6
Ni	60	45	He	2260.19	3.3
Cu	63	45	He	6770.46	0.8
Zn	66	45	He	3443.75	0.7
As	75	74	He	231.69	6.6
Se	78	74	H2	1913.47	3.3
Sr	88	115	He	2239.07	1.1
Mo	95	115	He	3177.04	1.0
Ag	107	115	He	5803.41	2.7
Cd	111	115	He	743.36	4.3
Sn	118	115	He	10656.22	1.7
Sb	121	115	He	1594.54	6.0
Ba	137	159	He	1215.62	6.8
Tl	205	209	He	5403.33	3.9
(Pb)	206	209	He	2957.01	1.8
(Pb)	207	209	He	2619.16	1.5
Pb	208	209	He	12067.75	0.3

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	983083.84	0.9	101.7	70	120	
Sc (ISICPMS)	45	H2	1075122.47	0.2	101.8	70	120	
Sc (ISICPMS)	45	He	40880.71	0.7	102.7	70	120	
Ge (IS)	74	H2	296788.65	0.2	102.6	70	120	
Ge (IS)	74	He	35251.89	0.8	101.9	70	120	
Kr	83	He	16.68	34.6	100.0			
In-1	115	He	75376.47	0.4	101.0	70	120	
Tb (IS)	159	He	310085.07	0.6	100.7	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Bi (IS)	209	He	249522.13	0.9	101.4	70	120	

Calibration Standard

File Name 006CALS.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:36:54

Sample Name **IC Cal-3 7587706**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	32292.31	2.7
B	11	6	No Gas	44318.58	0.8
Na	23	45	He	265233.98	1.4
Mg	24	45	He	115508.94	1.8
Al	27	45	He	3194.80	3.1
K	39	45	He	95985.90	1.7
Ca	40	45	H2	6695337.50	0.8
Ti	47	45	He	394.16	6.1
V	51	45	He	17218.77	0.3
Cr	52	45	He	23646.38	1.7
Mn	55	45	He	96555.91	0.9
Fe	56	45	H2	11188265.06	0.8
Co	59	45	He	42495.66	1.2
Ni	60	45	He	12248.40	1.1
Cu	63	45	He	36451.07	1.3
Zn	66	45	He	4642.97	2.2
As	75	74	He	2470.12	1.7
Se	78	74	H2	4739.68	0.2
Sr	88	115	He	11386.72	2.2
Mo	95	115	He	16744.09	2.0
Ag	107	115	He	63652.68	1.6
Cd	111	115	He	7410.84	1.5
Sn	118	115	He	14281.61	0.9
Sb	121	115	He	15014.63	2.1
Ba	137	159	He	6166.94	1.3
Tl	205	209	He	29429.60	2.1
(Pb)	206	209	He	46351.07	1.3
(Pb)	207	209	He	42262.30	2.0
Pb	208	209	He	190758.34	1.8

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1079881.42	0.5	111.7	70	120	
Sc (ISICPMS)	45	H2	1155755.28	1.2	109.5	70	120	
Sc (ISICPMS)	45	He	42945.27	0.8	107.9	70	120	
Ge (IS)	74	H2	320464.90	0.3	110.8	70	120	
Ge (IS)	74	He	37414.92	1.6	108.2	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	79725.21	1.2	106.9	70	120	
Tb (IS)	159	He	331268.65	1.3	107.6	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Bi (IS)	209	He	265902.78	1.3	108.1	70	120	

Calibration Standard

File Name 007CALS.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:39:22

Sample Name **IC Cal-4 7587772**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	159460.96	2.9
B	11	6	No Gas	161467.44	4.0
Na	23	45	He	1264283.82	0.6
Mg	24	45	He	574950.88	0.8
Al	27	45	He	15438.96	2.4
K	39	45	He	440554.87	1.0
Ca	40	45	H2	32673350.12	1.2
Ti	47	45	He	1979.86	0.7
V	51	45	He	83577.10	1.3
Cr	52	45	He	115705.63	0.8
Mn	55	45	He	476764.27	1.4
Fe	56	45	H2	54571405.73	0.9
Co	59	45	He	213107.02	1.4
Ni	60	45	He	60093.45	0.8
Cu	63	45	He	174916.86	0.7
Zn	66	45	He	21732.57	0.8
As	75	74	He	12311.68	1.6
Se	78	74	H2	22620.70	1.3
Sr	88	115	He	57206.76	1.4
Mo	95	115	He	82641.44	0.9
Ag	107	115	He	318157.67	1.1
Cd	111	115	He	36434.95	2.0
Sn	118	115	He	69221.64	1.5
Sb	121	115	He	71915.34	1.6
Ba	137	159	He	30807.93	2.2
Tl	205	209	He	144707.61	0.5
(Pb)	206	209	He	225477.16	1.1
(Pb)	207	209	He	207262.96	0.9
Pb	208	209	He	929414.71	1.1

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1065029.27	0.6	110.1	70	120	
Sc (ISICPMS)	45	H2	1162674.57	0.7	110.1	70	120	
Sc (ISICPMS)	45	He	42609.86	1.0	107.1	70	120	
Ge (IS)	74	H2	324441.44	0.7	112.2	70	120	
Ge (IS)	74	He	37895.09	1.2	109.6	70	120	
Kr	83	He	23.36	137.8	140.0			
In-1	115	He	78530.57	1.0	105.3	70	120	
Tb (IS)	159	He	330487.89	1.0	107.3	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Bi (IS)	209	He	271280.58	0.8	110.2	70	120	

Calibration Standard

File Name 008CALS.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:41:51

Sample Name **IC Cal-5 7587800**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	317250.96	2.3
B	11	6	No Gas	317086.94	4.2
Na	23	45	He	2495585.92	0.4
Mg	24	45	He	1137269.12	0.5
Al	27	45	He	30606.14	0.9
K	39	45	He	859754.15	0.7
Ca	40	45	H2	64774920.97	1.0
Ti	47	45	He	3853.97	1.1
V	51	45	He	168116.55	0.5
Cr	52	45	He	226658.95	0.7
Mn	55	45	He	937803.17	0.4
Fe	56	45	H2	107757687.22	0.5
Co	59	45	He	418063.29	0.1
Ni	60	45	He	117312.59	0.4
Cu	63	45	He	342876.58	0.6
Zn	66	45	He	41816.37	1.3
As	75	74	He	24240.51	0.4
Se	78	74	H2	44270.66	0.7
Sr	88	115	He	113617.65	0.7
Mo	95	115	He	164233.77	0.2
Ag	107	115	He	627911.71	0.1
Cd	111	115	He	71775.63	1.0
Sn	118	115	He	137344.76	0.6
Sb	121	115	He	140443.99	0.7
Ba	137	159	He	60626.81	0.2
Tl	205	209	He	286996.23	0.4
(Pb)	206	209	He	449051.07	0.9
(Pb)	207	209	He	409647.21	1.0
Pb	208	209	He	1845589.73	0.6

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1056345.46	0.2	109.2	70	120	
Sc (ISICPMS)	45	H2	1148662.89	0.3	108.8	70	120	
Sc (ISICPMS)	45	He	41630.50	1.8	104.6	70	120	
Ge (IS)	74	H2	319809.14	0.3	110.6	70	120	
Ge (IS)	74	He	37569.81	1.4	108.6	70	120	
Kr	83	He	6.67	173.2	40.0			
In-1	115	He	78235.82	2.0	104.9	70	120	
Tb (IS)	159	He	328221.28	0.5	106.6	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Bi (IS)	209	He	272591.07	0.7	110.8	70	120	

Initial Calibration Verification (ICV)

File Name 009_ICV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:44:19

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	39.746	ug/l	2.8	40	36	44	
B	11	6	No Gas	88.762	ug/l	3.0	80	72	88	failed
Na	23	45	He	3988.481	ug/l	1.0	4000	3600	4400	
Mg	24	45	He	3999.270	ug/l	0.9	4000	3600	4400	
Al	27	45	He	400.746	ug/l	3.8	400	360	440	
K	39	45	He	3997.928	ug/l	1.5	4000	3600	4400	
Ca	40	45	H2	4033.490	ug/l	0.8	4000	3600	4400	
Ti	47	45	He	39.666	ug/l	3.5	40	36	44	
V	51	45	He	39.258	ug/l	1.7	40	36	44	
Cr	52	45	He	39.611	ug/l	0.4	40	36	44	
Mn	55	45	He	398.933	ug/l	0.8	400	360	440	
Fe	56	45	H2	4019.762	ug/l	0.1				
Co	59	45	He	39.896	ug/l	0.3	40	36	44	
Ni	60	45	He	39.975	ug/l	1.5	40	36	44	
Cu	63	45	He	40.042	ug/l	0.2	40	36	44	
Zn	66	45	He	40.348	ug/l	0.7	40	36	44	
As	75	74	He	40.323	ug/l	1.3	40	36	44	
Se	78	74	H2	40.388	ug/l	1.4	40	36	44	
Sr	88	115	He	39.659	ug/l	0.6	40	36	44	
Mo	95	115	He	39.585	ug/l	1.2	40	36	44	
Ag	107	115	He	40.219	ug/l	1.5	40	36	44	
Cd	111	115	He	40.205	ug/l	0.3	40	36	44	
Sn	118	115	He	39.794	ug/l	1.0	40	36	44	
Sb	121	115	He	39.902	ug/l	1.3	40	36	44	
Ba	137	159	He	39.634	ug/l	1.9	40	36	44	
Tl	205	209	He	8.120	ug/l	0.4	8	7.2	8.8	
(Pb)	206	209	He	41.135	ug/l	0.5				
(Pb)	207	209	He	41.391	ug/l	0.2				
Pb	208	209	He	41.138	ug/l	0.3	40	36	44	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1071139.78	0.3	110.8	70	120	
Sc (ISICPMS)	45	H2	1154594.15	0.6	109.4	70	120	
Sc (ISICPMS)	45	He	42282.26	0.9	106.2	70	120	
Ge (IS)	74	H2	322827.65	0.6	111.6	70	120	
Ge (IS)	74	He	37540.92	1.6	108.5	70	120	
Kr	83	He	13.35	43.3	80.0			
In-1	115	He	79124.77	1.8	106.0	70	120	
Tb (IS)	159	He	332607.72	0.9	108.0	70	120	
Bi (IS)	209	He	267085.34	0.9	108.5	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 010_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:46:47

Sample Name **ICB**

Comment ---

Dilution 1.0000

Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.020	ug/l	3.8	0.2	-0.2	0.2	
B	11	6	No Gas	8.489	ug/l	19.2	20	-20	20	
Na	23	45	He	0.428	ug/l	354.7	50	-50	50	
Mg	24	45	He	1.167	ug/l	28.6	50	-50	50	
Al	27	45	He	0.480	ug/l	32.2	10	-10	10	
K	39	45	He	-3.171	ug/l	N/A	50	-50	50	
Ca	40	45	H2	-0.416	ug/l	N/A	50	-50	50	
Ti	47	45	He	-0.001	ug/l	N/A	1	-1	1	
V	51	45	He	0.010	ug/l	67.9	1	-1	1	
Cr	52	45	He	0.013	ug/l	96.0	1	-1	1	
Mn	55	45	He	0.114	ug/l	7.5	2	-2	2	
Fe	56	45	H2	1.032	ug/l	3.9				
Co	59	45	He	0.010	ug/l	33.2	1	-1	1	
Ni	60	45	He	0.000	ug/l	3789.4	1	-1	1	
Cu	63	45	He	0.003	ug/l	90.0	1	-1	1	
Zn	66	45	He	-0.027	ug/l	N/A	4	-4	4	
As	75	74	He	-0.004	ug/l	N/A	0.5	-0.5	0.5	
Se	78	74	H2	0.007	ug/l	100.9	0.5	-0.5	0.5	
Sr	88	115	He	0.010	ug/l	20.2	1	-1	1	
Mo	95	115	He	0.017	ug/l	61.0	1	-1	1	
Ag	107	115	He	0.126	ug/l	3.8	1	-1	1	
Cd	111	115	He	0.005	ug/l	151.5	0.5	-0.5	0.5	
Sn	118	115	He	-0.001	ug/l	N/A	4	-4	4	
Sb	121	115	He	0.223	ug/l	7.4	0.5	-0.5	0.5	
Ba	137	159	He	0.014	ug/l	67.6	1	-1	1	
Tl	205	209	He	0.002	ug/l	70.3	0.2	-0.2	0.2	
(Pb)	206	209	He	-0.005	ug/l	N/A				
(Pb)	207	209	He	-0.003	ug/l	N/A				
Pb	208	209	He	0.000	ug/l	1032.1	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1075617.93	0.4	111.2	70	120	
Sc (ISICPMS)	45	H2	1135651.25	1.2	107.6	70	120	
Sc (ISICPMS)	45	He	42592.08	2.8	107.0	70	120	
Ge (IS)	74	H2	311906.33	0.8	107.8	70	120	
Ge (IS)	74	He	36400.19	1.2	105.2	70	120	
Kr	83	He	16.68	91.7	100.0			
In-1	115	He	79492.42	1.7	106.5	70	120	
Tb (IS)	159	He	328227.57	1.5	106.6	70	120	
Bi (IS)	209	He	262422.09	0.8	106.6	70	120	

CRQL Check Standard (CRI)

File Name 011_CRI.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:49:16

Sample Name **CRI 7587674**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.201	ug/l	1.4	0.2	0.1	0.3	
B	11	6	No Gas	27.623	ug/l	2.1	20	10	30	
Na	23	45	He	53.223	ug/l	1.6	50	25	75	
Mg	24	45	He	49.525	ug/l	4.6	50	25	75	
Al	27	45	He	10.107	ug/l	7.5	10	5	15	
K	39	45	He	54.589	ug/l	8.8	50	25	75	
Ca	40	45	H2	54.536	ug/l	0.8	50	25	75	
Ti	47	45	He	0.976	ug/l	11.8	1	0.5	1.5	
V	51	45	He	0.944	ug/l	7.8	1	0.5	1.5	
Cr	52	45	He	0.993	ug/l	1.3	1	0.5	1.5	
Mn	55	45	He	1.968	ug/l	5.6	2	1	3	
Fe	56	45	H2	33.229	ug/l	0.6				
Co	59	45	He	1.002	ug/l	5.1	1	0.5	1.5	
Ni	60	45	He	0.991	ug/l	4.6	1	0.5	1.5	
Cu	63	45	He	0.992	ug/l	3.9	1	0.5	1.5	
Zn	66	45	He	3.888	ug/l	5.4	4	2	6	
As	75	74	He	0.476	ug/l	12.8	0.5	0.25	0.75	
Se	78	74	H2	0.469	ug/l	16.3	0.5	0.25	0.75	
Sr	88	115	He	0.962	ug/l	3.3	1	0.5	1.5	
Mo	95	115	He	0.973	ug/l	5.2	1	0.5	1.5	
Ag	107	115	He	0.979	ug/l	2.0	1	0.5	1.5	
Cd	111	115	He	0.498	ug/l	5.0	0.5	0.25	0.75	
Sn	118	115	He	4.088	ug/l	0.7	4	2	6	
Sb	121	115	He	0.728	ug/l	9.5	0.5	0.25	0.75	
Ba	137	159	He	0.999	ug/l	6.2	1	0.5	1.5	
Tl	205	209	He	0.205	ug/l	2.0	0.2	0.1	0.3	
(Pb)	206	209	He	0.340	ug/l	5.7				
(Pb)	207	209	He	0.324	ug/l	10.3				
Pb	208	209	He	0.338	ug/l	2.7	0.3	0.15	0.45	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	979711.62	0.6	101.3	70	120	
Sc (ISICPMS)	45	H2	1059953.94	0.4	100.4	70	120	
Sc (ISICPMS)	45	He	39862.43	1.1	100.2	70	120	
Ge (IS)	74	H2	290233.10	0.6	100.4	70	120	
Ge (IS)	74	He	34756.30	0.6	100.5	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	74587.25	0.9	100.0	70	120	
Tb (IS)	159	He	312618.76	0.1	101.5	70	120	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	249659.97	0.4	101.5	70	120	

Interference Check Standard-A (ICSA)

File Name 012ICSA.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:51:46

Sample Name **ICSA 7587802**

Comment ---

Dilution 1.0000

Multiquant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.007	ug/l	45.8	0.2	-0.4	0.4	
B	11	6	No Gas	6.506	ug/l	23.9	20	-40	40	
Na	23	45	He	122484.867	ug/l	0.8	125000	100000	150000	
Mg	24	45	He	49501.697	ug/l	1.9	50000	40000	60000	
Al	27	45	He	48865.259	ug/l	1.0	50000	40000	60000	
K	39	45	He	49724.138	ug/l	1.2	50000	40000	60000	
Ca	40	45	H2	151201.912	ug/l	1.4	150000	120000	180000	
Ti	47	45	He	1014.737	ug/l	1.4	1000	800	1200	
V	51	45	He	0.014	ug/l	31.6	1	-2	2	
Cr	52	45	He	0.322	ug/l	3.8	1	-2	2	
Mn	55	45	He	0.750	ug/l	12.8	2	-4	4	
Fe	56	45	H2	122260.809	ug/l	1.9				
Co	59	45	He	0.365	ug/l	5.1	1	-2	2	
Ni	60	45	He	0.289	ug/l	8.6	1	-2	2	
Cu	63	45	He	0.107	ug/l	12.1	1	-2	2	
Zn	66	45	He	0.289	ug/l	11.7	4	-8	8	
As	75	74	He	0.075	ug/l	16.8	0.5	-1	1	
Se	78	74	H2	0.037	ug/l	64.4	0.5	-1	1	
Sr	88	115	He	1.240	ug/l	8.2	1	-2	2	
Mo	95	115	He	1044.051	ug/l	0.4	1000	-2000	2000	
Ag	107	115	He	0.180	ug/l	5.8	1	-2	2	
Cd	111	115	He	0.084	ug/l	46.2	1	-2	2	
Sn	118	115	He	0.062	ug/l	20.7	4	-8	8	
Sb	121	115	He	0.433	ug/l	10.8	1	-2	2	
Ba	137	159	He	0.239	ug/l	25.6	1	-2	2	
Tl	205	209	He	0.023	ug/l	17.6	0.2	-0.4	0.4	
(Pb)	206	209	He	0.101	ug/l	10.0				
(Pb)	207	209	He	0.096	ug/l	7.5				
Pb	208	209	He	0.103	ug/l	1.3	0.3	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1059018.30	0.6	109.5	70	120	
Sc (ISICPMS)	45	H2	1122753.94	0.5	106.3	70	120	
Sc (ISICPMS)	45	He	41418.86	1.3	104.1	70	120	
Ge (IS)	74	H2	302129.69	0.5	104.5	70	120	
Ge (IS)	74	He	35760.84	1.3	103.4	70	120	
Kr	83	He	16.68	173.2	100.0			
In-1	115	He	75416.43	0.2	101.1	70	120	
Tb (IS)	159	He	320724.70	0.2	104.2	70	120	
Bi (IS)	209	He	236438.64	1.0	96.1	70	120	

Interference Check Standard-AB (ICSAB)

File Name 013ICSB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:54:15

Sample Name **ICSAB 7587804**

Comment ---

Dilution 1.0000

Multiplier Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	11.9	0.2	-0.4	0.4	
B	11	6	No Gas	4.050	ug/l	40.9	20	-40	40	
Na	23	45	He	121533.601	ug/l	0.6	125000	100000	150000	
Mg	24	45	He	48447.715	ug/l	0.1	50000	40000	60000	
Al	27	45	He	48252.041	ug/l	0.2	50000	40000	60000	
K	39	45	He	49174.623	ug/l	0.3	50000	40000	60000	
Ca	40	45	H2	154515.939	ug/l	2.0	150000	120000	180000	
Ti	47	45	He	1005.726	ug/l	0.4	1000	800	1200	
V	51	45	He	202.076	ug/l	0.6	200	160	240	
Cr	52	45	He	198.120	ug/l	0.3	200	160	240	
Mn	55	45	He	200.127	ug/l	0.1	200	160	240	
Fe	56	45	H2	124582.763	ug/l	1.8				
Co	59	45	He	196.323	ug/l	0.3	200	160	240	
Ni	60	45	He	192.024	ug/l	0.2	200	160	240	
Cu	63	45	He	188.888	ug/l	0.3	200	160	240	
Zn	66	45	He	93.227	ug/l	1.5	100	80	120	
As	75	74	He	103.570	ug/l	0.6	100	80	120	
Se	78	74	H2	97.808	ug/l	0.3	100	80	120	
Sr	88	115	He	1.296	ug/l	1.2	1	-2	2	
Mo	95	115	He	1044.575	ug/l	1.4	1000	800	1200	
Ag	107	115	He	194.032	ug/l	0.7	200	160	240	
Cd	111	115	He	99.129	ug/l	1.6	100	80	120	
Sn	118	115	He	0.055	ug/l	58.4	1	-2	2	
Sb	121	115	He	0.440	ug/l	10.1	1	-2	2	
Ba	137	159	He	0.192	ug/l	2.6	1	-2	2	
Tl	205	209	He	0.040	ug/l	4.8	0.2	-0.4	0.4	
(Pb)	206	209	He	0.092	ug/l	11.8				
(Pb)	207	209	He	0.096	ug/l	16.3				
Pb	208	209	He	0.093	ug/l	2.8	0.3	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1058748.59	1.2	109.5	70	120	
Sc (ISICPMS)	45	H2	1121906.07	1.4	106.3	70	120	
Sc (ISICPMS)	45	He	42216.60	0.2	106.1	70	120	
Ge (IS)	74	H2	304147.84	1.5	105.2	70	120	
Ge (IS)	74	He	36568.31	0.2	105.7	70	120	
Kr	83	He	3.34	173.2	20.0			
In-1	115	He	75965.96	0.7	101.8	70	120	
Tb (IS)	159	He	323810.87	0.4	105.2	70	120	
Bi (IS)	209	He	256813.75	0.6	104.4	70	120	

Linear Range Check (LRC)

File Name 014LRCA.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:56:44

Sample Name **LRC 7492694**

Comment ---

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	989.503	ug/l	1.8	1000	900	1100	
B	11	6	No Gas	1.567	ug/l	96.7				
Na	23	45	He	110.011	ug/l	2.4				
Mg	24	45	He	41.782	ug/l	7.1				
Al	27	45	He	39.086	ug/l	5.6				
K	39	45	He	40.993	ug/l	10.3				
Ca	40	45	H2	132.320	ug/l	0.5				
Ti	47	45	He	1004.429	ug/l	1.0	1000	900	1100	
V	51	45	He	1969.076	ug/l	1.0	2000	1800	2200	
Cr	52	45	He	4023.730	ug/l	1.9	4000	3600	4400	
Mn	55	45	He	5046.288	ug/l	1.0	5000	4500	5500	
Fe	56	45	H2	113.762	ug/l	0.5				
Co	59	45	He	1013.179	ug/l	0.9	1000	900	1100	
Ni	60	45	He	1008.019	ug/l	0.7	1000	900	1100	
Cu	63	45	He	1019.988	ug/l	1.1	1000	900	1100	
Zn	66	45	He	1031.235	ug/l	0.8	1000	900	1100	
As	75	74	He	1945.150	ug/l	0.7	2000	1800	2200	
Se	78	74	H2	962.087	ug/l	0.4	1000	900	1100	
Sr	88	115	He	1973.886	ug/l	0.2	2000	1800	2200	
Mo	95	115	He	0.880	ug/l	4.9				
Ag	107	115	He	6.753	ug/l	2.3				
Cd	111	115	He	1994.563	ug/l	0.7	2000	1800	2200	
Sn	118	115	He	0.026	ug/l	106.0				
Sb	121	115	He	0.172	ug/l	16.3				
Ba	137	159	He	4984.909	ug/l	0.5	5000	4500	5500	
Tl	205	209	He	1002.564	ug/l	1.7	1000	900	1100	
(Pb)	206	209	He	5041.259	ug/l	0.6				
(Pb)	207	209	He	4817.642	ug/l	0.4				
Pb	208	209	He	4876.714	ug/l	1.2	5000	4500	5500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1036952.52	0.6	107.2	70	120	
Sc (ISICPMS)	45	H2	1092358.87	1.0	103.5	70	120	
Sc (ISICPMS)	45	He	39435.74	1.4	99.1	70	120	
Ge (IS)	74	H2	325365.27	0.7	112.5	70	120	
Ge (IS)	74	He	36627.41	0.7	105.9	70	120	
Kr	83	He	10.01	NaN	60.0			
In-1	115	He	77120.29	0.4	103.4	70	120	
Tb (IS)	159	He	323672.87	0.4	105.1	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	286595.41	1.2	116.5	70	120	

Linear Range Check (LRC)

File Name 015LRCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 13:59:09

Sample Name **LRC 7552573**

Comment ---

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.817	ug/l	0.2				
B	11	6	No Gas	4.397	ug/l	36.7				
Na	23	45	He	194015.873	ug/l	0.6	200000	180000	220000	
Mg	24	45	He	143502.941	ug/l	0.8	150000	135000	165000	
Al	27	45	He	49642.596	ug/l	0.5	50000	45000	55000	
K	39	45	He	200994.803	ug/l	1.0	200000	180000	220000	
Ca	40	45	H2	147643.232	ug/l	0.7	150000	135000	165000	
Ti	47	45	He	1.079	ug/l	6.4				
V	51	45	He	1.365	ug/l	8.0				
Cr	52	45	He	3.840	ug/l	3.5				
Mn	55	45	He	4.199	ug/l	5.9				
Fe	56	45	H2	95010.190	ug/l	0.7				
Co	59	45	He	1.007	ug/l	4.1				
Ni	60	45	He	1.861	ug/l	2.6				
Cu	63	45	He	1.563	ug/l	2.2				
Zn	66	45	He	1.813	ug/l	5.0				
As	75	74	He	1.375	ug/l	2.0				
Se	78	74	H2	0.887	ug/l	17.9				
Sr	88	115	He	4.312	ug/l	4.1				
Mo	95	115	He	0.272	ug/l	14.0				
Ag	107	115	He	0.134	ug/l	18.5				
Cd	111	115	He	1.352	ug/l	8.1				
Sn	118	115	He	0.197	ug/l	16.0				
Sb	121	115	He	0.060	ug/l	23.0				
Ba	137	159	He	4.246	ug/l	6.6				
Tl	205	209	He	0.917	ug/l	4.1				
(Pb)	206	209	He	4.399	ug/l	0.9				
(Pb)	207	209	He	4.179	ug/l	2.2				
Pb	208	209	He	4.270	ug/l	1.7				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	856762.53	1.4	88.6	70	120	
Sc (ISICPMS)	45	H2	1022172.60	0.6	96.8	70	120	
Sc (ISICPMS)	45	He	39602.83	1.7	99.5	70	120	
Ge (IS)	74	H2	269443.38	0.4	93.2	70	120	
Ge (IS)	74	He	33777.36	1.7	97.7	70	120	
Kr	83	He	6.67	173.2	40.0			
In-1	115	He	70526.25	0.5	94.5	70	120	
Tb (IS)	159	He	299747.98	0.7	97.4	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	220062.97	0.3	89.4	70	120	

Linear Range Check (LRC)

File Name 016LRCC.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 14:01:38

Sample Name **LRC 7513793**

Comment ---

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.059	ug/l	6.0				
B	11	6	No Gas	465.125	ug/l	5.8	500	450	550	
Na	23	45	He	129.717	ug/l	1.7				
Mg	24	45	He	68.833	ug/l	1.5				
Al	27	45	He	21.271	ug/l	5.3				
K	39	45	He	112.870	ug/l	5.1				
Ca	40	45	H2	77.997	ug/l	0.4				
Ti	47	45	He	0.628	ug/l	8.8				
V	51	45	He	0.050	ug/l	14.8				
Cr	52	45	He	0.085	ug/l	16.7				
Mn	55	45	He	0.110	ug/l	20.1				
Fe	56	45	H2	50.682	ug/l	1.3				
Co	59	45	He	0.022	ug/l	15.5				
Ni	60	45	He	0.007	ug/l	246.5				
Cu	63	45	He	0.042	ug/l	15.4				
Zn	66	45	He	0.078	ug/l	62.0				
As	75	74	He	0.045	ug/l	27.5				
Se	78	74	H2	0.086	ug/l	41.5				
Sr	88	115	He	0.043	ug/l	17.1				
Mo	95	115	He	969.185	ug/l	0.8	1000	900	1100	
Ag	107	115	He	0.095	ug/l	12.2				
Cd	111	115	He	0.137	ug/l	33.8				
Sn	118	115	He	-0.046	ug/l	N/A				
Sb	121	115	He	0.037	ug/l	22.0				
Ba	137	159	He	0.141	ug/l	23.7				
Tl	205	209	He	0.083	ug/l	4.7				
(Pb)	206	209	He	0.206	ug/l	4.3				
(Pb)	207	209	He	0.196	ug/l	11.6				
Pb	208	209	He	0.207	ug/l	5.7				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1198926.27	0.5	124.0	70	120	fail
Sc (ISICPMS)	45	H2	1260814.36	0.8	119.4	70	120	
Sc (ISICPMS)	45	He	46736.44	2.3	117.4	70	120	
Ge (IS)	74	H2	339452.90	0.9	117.4	70	120	
Ge (IS)	74	He	40777.06	2.0	117.9	70	120	
Kr	83	He	20.02	50.0	120.0			
In-1	115	He	86246.13	1.8	115.6	70	120	
Tb (IS)	159	He	346937.76	0.5	112.7	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	275335.21	0.9	111.9	70	120	

Sample Report

File Name 017SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 14:04:07

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.033	ug/l	1.9	1000	
B	11	6	No Gas	22.679	ug/l	11.5	500	
Na	23	45	He	37.458	ug/l	1.3	200000	
Mg	24	45	He	5.426	ug/l	15.7	150000	
Al	27	45	He	1.268	ug/l	63.6	50000	
K	39	45	He	4.578	ug/l	89.7	200000	
Ca	40	45	H2	9.007	ug/l	4.0	150000	
Ti	47	45	He	-0.002	ug/l	N/A	1000	
V	51	45	He	0.018	ug/l	53.8	2000	
Cr	52	45	He	0.036	ug/l	42.3	4000	
Mn	55	45	He	0.090	ug/l	15.0	5000	
Fe	56	45	H2	4.143	ug/l	4.5	100000	
Co	59	45	He	0.008	ug/l	30.9	1000	
Ni	60	45	He	0.006	ug/l	56.4	1000	
Cu	63	45	He	0.012	ug/l	34.8	1000	
Zn	66	45	He	-0.024	ug/l	N/A	1000	
As	75	74	He	0.003	ug/l	381.1	2000	
Se	78	74	H2	0.029	ug/l	77.2	1000	
Sr	88	115	He	0.026	ug/l	27.2	2000	
Mo	95	115	He	0.099	ug/l	8.0	1000	
Ag	107	115	He	0.053	ug/l	20.6	100	
Cd	111	115	He	0.013	ug/l	108.0	2000	
Sn	118	115	He	0.015	ug/l	77.2	100	
Sb	121	115	He	0.039	ug/l	27.6	100	
Ba	137	159	He	0.046	ug/l	12.3	5000	
Tl	205	209	He	0.024	ug/l	10.5	1000	
(Pb)	206	209	He	0.089	ug/l	1.6		
(Pb)	207	209	He	0.077	ug/l	0.8		
Pb	208	209	He	0.089	ug/l	12.6	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1104608.87	1.8	114.2	70	120	
Sc (ISICPMS)	45	H2	1190517.25	1.1	112.8	70	120	
Sc (ISICPMS)	45	He	45284.28	1.8	113.8	70	120	
Ge (IS)	74	H2	324090.91	0.1	112.1	70	120	
Ge (IS)	74	He	38599.03	0.6	111.6	70	120	
Kr	83	He	6.67	86.6	40.0			
In-1	115	He	82043.86	0.9	110.0	70	120	
Tb (IS)	159	He	334543.72	0.6	108.7	70	120	
Bi (IS)	209	He	264954.69	1.2	107.7	70	120	

Sample Report

File Name 018SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 14:06:37

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.024	ug/l	6.7	1000	
B	11	6	No Gas	12.945	ug/l	13.4	500	
Na	23	45	He	31.769	ug/l	4.5	200000	
Mg	24	45	He	3.833	ug/l	4.9	150000	
Al	27	45	He	0.979	ug/l	37.5	50000	
K	39	45	He	1.036	ug/l	338.2	200000	
Ca	40	45	H2	6.632	ug/l	2.7	150000	
Ti	47	45	He	-0.002	ug/l	N/A	1000	
V	51	45	He	0.015	ug/l	54.9	2000	
Cr	52	45	He	0.018	ug/l	25.8	4000	
Mn	55	45	He	0.107	ug/l	23.2	5000	
Fe	56	45	H2	2.006	ug/l	2.5	100000	
Co	59	45	He	0.007	ug/l	52.7	1000	
Ni	60	45	He	0.006	ug/l	54.3	1000	
Cu	63	45	He	0.011	ug/l	42.2	1000	
Zn	66	45	He	-0.062	ug/l	N/A	1000	
As	75	74	He	-0.003	ug/l	N/A	2000	
Se	78	74	H2	0.011	ug/l	197.3	1000	
Sr	88	115	He	0.039	ug/l	27.0	2000	
Mo	95	115	He	0.054	ug/l	18.5	1000	
Ag	107	115	He	0.036	ug/l	15.8	100	
Cd	111	115	He	0.000	ug/l	N/A	2000	
Sn	118	115	He	0.009	ug/l	313.8	100	
Sb	121	115	He	0.026	ug/l	37.8	100	
Ba	137	159	He	0.028	ug/l	72.5	5000	
Tl	205	209	He	0.015	ug/l	9.2	1000	
(Pb)	206	209	He	0.056	ug/l	12.5		
(Pb)	207	209	He	0.056	ug/l	25.4		
Pb	208	209	He	0.057	ug/l	5.5	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1104429.65	0.4	114.2	70	120	
Sc (ISICPMS)	45	H2	1195204.49	0.0	113.2	70	120	
Sc (ISICPMS)	45	He	44970.04	1.6	113.0	70	120	
Ge (IS)	74	H2	325935.44	1.2	112.7	70	120	
Ge (IS)	74	He	38595.72	1.5	111.6	70	120	
Kr	83	He	16.68	91.7	100.0			
In-1	115	He	82896.69	0.4	111.1	70	120	
Tb (IS)	159	He	335206.89	1.3	108.9	70	120	
Bi (IS)	209	He	265115.14	1.0	107.7	70	120	

Sample Report

File Name 019SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 14:09:07

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.019	ug/l	19.3	1000	
B	11	6	No Gas	8.200	ug/l	17.2	500	
Na	23	45	He	28.824	ug/l	4.8	200000	
Mg	24	45	He	3.275	ug/l	10.2	150000	
Al	27	45	He	0.471	ug/l	107.2	50000	
K	39	45	He	5.691	ug/l	131.4	200000	
Ca	40	45	H2	5.919	ug/l	1.1	150000	
Ti	47	45	He	-0.001	ug/l	N/A	1000	
V	51	45	He	0.008	ug/l	65.3	2000	
Cr	52	45	He	0.025	ug/l	86.5	4000	
Mn	55	45	He	0.085	ug/l	14.1	5000	
Fe	56	45	H2	1.653	ug/l	1.1	100000	
Co	59	45	He	0.005	ug/l	17.5	1000	
Ni	60	45	He	0.015	ug/l	68.5	1000	
Cu	63	45	He	0.014	ug/l	56.7	1000	
Zn	66	45	He	-0.018	ug/l	N/A	1000	
As	75	74	He	0.005	ug/l	322.7	2000	
Se	78	74	H2	0.014	ug/l	0.7	1000	
Sr	88	115	He	0.033	ug/l	29.9	2000	
Mo	95	115	He	0.052	ug/l	27.6	1000	
Ag	107	115	He	0.041	ug/l	6.1	100	
Cd	111	115	He	0.000	ug/l	N/A	2000	
Sn	118	115	He	-0.002	ug/l	N/A	100	
Sb	121	115	He	0.029	ug/l	26.5	100	
Ba	137	159	He	0.024	ug/l	86.8	5000	
Tl	205	209	He	0.011	ug/l	17.2	1000	
(Pb)	206	209	He	0.040	ug/l	35.0		
(Pb)	207	209	He	0.040	ug/l	20.0		
Pb	208	209	He	0.041	ug/l	11.0	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1094363.16	0.4	113.2	70	120	
Sc (ISICPMS)	45	H2	1184845.30	0.3	112.2	70	120	
Sc (ISICPMS)	45	He	43883.50	1.7	110.3	70	120	
Ge (IS)	74	H2	319689.43	0.4	110.5	70	120	
Ge (IS)	74	He	37980.90	0.2	109.8	70	120	
Kr	83	He	13.35	86.6	80.0			
In-1	115	He	81863.07	1.6	109.7	70	120	
Tb (IS)	159	He	335258.56	0.7	108.9	70	120	
Bi (IS)	209	He	265157.89	0.8	107.8	70	120	

Continuing Calibration Verification (CCV)

File Name 020_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 14:11:36

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	49.992	ug/l	1.8	50	45	55	
B	11	6	No Gas	101.094	ug/l	3.6	100	90	110	
Na	23	45	He	4905.165	ug/l	1.4	5000	4500	5500	
Mg	24	45	He	4894.731	ug/l	1.3	5000	4500	5500	
Al	27	45	He	494.546	ug/l	1.5	500	450	550	
K	39	45	He	4992.854	ug/l	1.4	5000	4500	5500	
Ca	40	45	H2	5073.211	ug/l	0.2	5000	4500	5500	
Ti	47	45	He	50.100	ug/l	0.9	50	45	55	
V	51	45	He	49.622	ug/l	1.8	50	45	55	
Cr	52	45	He	49.317	ug/l	1.9	50	45	55	
Mn	55	45	He	497.979	ug/l	1.6	500	450	550	
Fe	56	45	H2	5148.482	ug/l	1.4				
Co	59	45	He	49.428	ug/l	1.4	50	45	55	
Ni	60	45	He	49.465	ug/l	2.2	50	45	55	
Cu	63	45	He	49.331	ug/l	1.3	50	45	55	
Zn	66	45	He	50.257	ug/l	1.7	50	45	55	
As	75	74	He	50.547	ug/l	1.0	50	45	55	
Se	78	74	H2	50.358	ug/l	0.4	50	45	55	
Sr	88	115	He	49.834	ug/l	1.0	50	45	55	
Mo	95	115	He	49.905	ug/l	0.5	50	45	55	
Ag	107	115	He	49.801	ug/l	0.7	50	45	55	
Cd	111	115	He	50.093	ug/l	0.7	50	45	55	
Sn	118	115	He	49.686	ug/l	0.9	50	45	55	
Sb	121	115	He	48.658	ug/l	0.6	50	45	55	
Ba	137	159	He	50.342	ug/l	1.3	50	45	55	
Tl	205	209	He	10.116	ug/l	0.2	10	9	11	
(Pb)	206	209	He	50.824	ug/l	0.2				
(Pb)	207	209	He	51.281	ug/l	0.8				
Pb	208	209	He	51.006	ug/l	0.4	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1098130.97	0.7	113.6	70	120	
Sc (ISICPMS)	45	H2	1188230.79	0.6	112.5	70	120	
Sc (ISICPMS)	45	He	44728.21	2.0	112.4	70	120	
Ge (IS)	74	H2	330469.64	0.9	114.3	70	120	
Ge (IS)	74	He	39216.24	0.4	113.4	70	120	
Kr	83	He	6.67	86.6	40.0			
In-1	115	He	82874.74	2.0	111.1	70	120	
Tb (IS)	159	He	340042.35	1.5	110.5	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	271550.11	0.4	110.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 021_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 14:14:04

Sample Name **CCB**

Comment ---

Dilution 1.0000

Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.023	ug/l	5.2	0.2	-0.2	0.2	
B	11	6	No Gas	9.086	ug/l	18.6	20	-20	20	
Na	23	45	He	8.816	ug/l	8.9	50	-50	50	
Mg	24	45	He	1.265	ug/l	16.9	50	-50	50	
Al	27	45	He	0.538	ug/l	44.4	10	-10	10	
K	39	45	He	-0.390	ug/l	N/A	50	-50	50	
Ca	40	45	H2	-0.406	ug/l	N/A	50	-50	50	
Ti	47	45	He	-0.014	ug/l	N/A	1	-1	1	
V	51	45	He	0.015	ug/l	1.5	1	-1	1	
Cr	52	45	He	0.003	ug/l	59.4	1	-1	1	
Mn	55	45	He	0.078	ug/l	10.3	2	-2	2	
Fe	56	45	H2	1.015	ug/l	5.2				
Co	59	45	He	0.008	ug/l	25.1	1	-1	1	
Ni	60	45	He	0.005	ug/l	161.3	1	-1	1	
Cu	63	45	He	0.004	ug/l	196.5	1	-1	1	
Zn	66	45	He	-0.024	ug/l	N/A	4	-4	4	
As	75	74	He	0.005	ug/l	415.4	0.5	-0.5	0.5	
Se	78	74	H2	0.021	ug/l	34.8	0.5	-0.5	0.5	
Sr	88	115	He	0.007	ug/l	119.1	1	-1	1	
Mo	95	115	He	0.018	ug/l	17.2	1	-1	1	
Ag	107	115	He	0.088	ug/l	8.2	1	-1	1	
Cd	111	115	He	0.006	ug/l	91.3	0.5	-0.5	0.5	
Sn	118	115	He	0.009	ug/l	46.5	4	-4	4	
Sb	121	115	He	0.139	ug/l	13.1	0.5	-0.5	0.5	
Ba	137	159	He	0.019	ug/l	57.5	1	-1	1	
Tl	205	209	He	0.007	ug/l	23.7	0.2	-0.2	0.2	
(Pb)	206	209	He	0.027	ug/l	14.7				
(Pb)	207	209	He	0.026	ug/l	25.2				
Pb	208	209	He	0.032	ug/l	5.7	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1099092.17	0.7	113.7	70	120	
Sc (ISICPMS)	45	H2	1190995.98	0.6	112.8	70	120	
Sc (ISICPMS)	45	He	45031.30	0.8	113.2	70	120	
Ge (IS)	74	H2	324006.99	0.2	112.0	70	120	
Ge (IS)	74	He	39029.16	2.1	112.9	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	83342.51	0.9	111.7	70	120	
Tb (IS)	159	He	337819.67	1.3	109.7	70	120	
Bi (IS)	209	He	266303.49	1.5	108.2	70	120	

Sample Report

File Name 022SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 16:49:08

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	1000	
B	11	6	No Gas	4.447	ug/l	30.8	500	
Na	23	45	He	17.764	ug/l	5.6	200000	
Mg	24	45	He	2.711	ug/l	21.7	150000	
Al	27	45	He	0.037	ug/l	1085.2	50000	
K	39	45	He	18.374	ug/l	41.0	200000	
Ca	40	45	H2	4.815	ug/l	4.5	150000	
Ti	47	45	He	0.011	ug/l	221.0	1000	
V	51	45	He	0.012	ug/l	43.6	2000	
Cr	52	45	He	0.023	ug/l	43.1	4000	
Mn	55	45	He	0.084	ug/l	26.8	5000	
Fe	56	45	H2	0.881	ug/l	0.2	100000	
Co	59	45	He	0.004	ug/l	14.1	1000	
Ni	60	45	He	-0.007	ug/l	N/A	1000	
Cu	63	45	He	-0.001	ug/l	N/A	1000	
Zn	66	45	He	-0.054	ug/l	N/A	1000	
As	75	74	He	-0.004	ug/l	N/A	2000	
Se	78	74	H2	0.006	ug/l	240.6	1000	
Sr	88	115	He	0.027	ug/l	10.0	2000	
Mo	95	115	He	0.028	ug/l	43.1	1000	
Ag	107	115	He	-0.012	ug/l	N/A	100	
Cd	111	115	He	-0.002	ug/l	N/A	2000	
Sn	118	115	He	-0.011	ug/l	N/A	100	
Sb	121	115	He	0.071	ug/l	30.7	100	
Ba	137	159	He	0.021	ug/l	126.3	5000	
Tl	205	209	He	0.004	ug/l	46.1	1000	
(Pb)	206	209	He	-0.034	ug/l	N/A		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.027	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	901432.91	0.4	93.2	70	120	
Sc (ISICPMS)	45	H2	967746.05	0.7	91.7	70	120	
Sc (ISICPMS)	45	He	35415.91	1.1	89.0	70	120	
Ge (IS)	74	H2	261305.52	0.6	90.4	70	120	
Ge (IS)	74	He	30252.01	1.6	87.5	70	120	
Kr	83	He	16.68	69.3	100.0			
In-1	115	He	64319.82	2.0	86.2	70	120	
Tb (IS)	159	He	268027.18	0.1	87.1	70	120	
Bi (IS)	209	He	217863.78	0.3	88.5	70	120	

Sample Report

File Name 023SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 16:51:37

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	1000	
B	11	6	No Gas	1.822	ug/l	89.6	500	
Na	23	45	He	14.325	ug/l	5.7	200000	
Mg	24	45	He	2.391	ug/l	10.4	150000	
Al	27	45	He	0.263	ug/l	127.4	50000	
K	39	45	He	3.648	ug/l	99.9	200000	
Ca	40	45	H2	5.043	ug/l	5.8	150000	
Ti	47	45	He	-0.003	ug/l	N/A	1000	
V	51	45	He	0.008	ug/l	23.8	2000	
Cr	52	45	He	0.012	ug/l	163.0	4000	
Mn	55	45	He	0.092	ug/l	34.0	5000	
Fe	56	45	H2	1.038	ug/l	2.0	100000	
Co	59	45	He	0.002	ug/l	75.5	1000	
Ni	60	45	He	0.001	ug/l	289.1	1000	
Cu	63	45	He	0.008	ug/l	19.4	1000	
Zn	66	45	He	-0.017	ug/l	N/A	1000	
As	75	74	He	-0.012	ug/l	N/A	2000	
Se	78	74	H2	-0.010	ug/l	N/A	1000	
Sr	88	115	He	0.034	ug/l	6.2	2000	
Mo	95	115	He	0.036	ug/l	28.7	1000	
Ag	107	115	He	-0.017	ug/l	N/A	100	
Cd	111	115	He	0.006	ug/l	137.7	2000	
Sn	118	115	He	0.017	ug/l	72.0	100	
Sb	121	115	He	0.038	ug/l	29.5	100	
Ba	137	159	He	0.024	ug/l	79.6	5000	
Tl	205	209	He	0.002	ug/l	72.6	1000	
(Pb)	206	209	He	-0.031	ug/l	N/A		
(Pb)	207	209	He	-0.027	ug/l	N/A		
Pb	208	209	He	-0.027	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1031284.88	3.5	106.6	70	120	
Sc (ISICPMS)	45	H2	1043044.90	3.4	98.8	70	120	
Sc (ISICPMS)	45	He	40135.35	1.2	100.8	70	120	
Ge (IS)	74	H2	285402.57	2.5	98.7	70	120	
Ge (IS)	74	He	33769.59	0.7	97.6	70	120	
Kr	83	He	13.35	173.2	80.0			
In-1	115	He	73242.85	0.8	98.2	70	120	
Tb (IS)	159	He	307362.27	0.6	99.8	70	120	
Bi (IS)	209	He	250295.50	0.4	101.7	70	120	

Continuing Calibration Verification (CCV)

File Name 024_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 16:54:07

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	49.632	ug/l	3.3	50	45	55	
B	11	6	No Gas	96.795	ug/l	3.1	100	90	110	
Na	23	45	He	4976.183	ug/l	0.8	5000	4500	5500	
Mg	24	45	He	4960.058	ug/l	1.0	5000	4500	5500	
Al	27	45	He	497.166	ug/l	1.0	500	450	550	
K	39	45	He	4982.054	ug/l	0.8	5000	4500	5500	
Ca	40	45	H2	5329.256	ug/l	3.8	5000	4500	5500	
Ti	47	45	He	49.686	ug/l	0.9	50	45	55	
V	51	45	He	49.699	ug/l	1.9	50	45	55	
Cr	52	45	He	49.411	ug/l	0.8	50	45	55	
Mn	55	45	He	495.139	ug/l	1.1	500	450	550	
Fe	56	45	H2	5320.840	ug/l	3.8				
Co	59	45	He	50.004	ug/l	0.7	50	45	55	
Ni	60	45	He	49.631	ug/l	0.7	50	45	55	
Cu	63	45	He	49.972	ug/l	0.5	50	45	55	
Zn	66	45	He	50.034	ug/l	3.0	50	45	55	
As	75	74	He	51.178	ug/l	1.7	50	45	55	
Se	78	74	H2	52.136	ug/l	1.8	50	45	55	
Sr	88	115	He	50.359	ug/l	1.7	50	45	55	
Mo	95	115	He	50.840	ug/l	1.0	50	45	55	
Ag	107	115	He	50.954	ug/l	1.3	50	45	55	
Cd	111	115	He	51.234	ug/l	0.8	50	45	55	
Sn	118	115	He	51.041	ug/l	1.7	50	45	55	
Sb	121	115	He	49.037	ug/l	0.9	50	45	55	
Ba	137	159	He	50.342	ug/l	0.9	50	45	55	
Tl	205	209	He	10.280	ug/l	1.0	10	9	11	
(Pb)	206	209	He	51.753	ug/l	0.1				
(Pb)	207	209	He	51.705	ug/l	0.2				
Pb	208	209	He	51.680	ug/l	0.7	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1029250.32	2.5	106.4	70	120	
Sc (ISICPMS)	45	H2	1066355.21	2.9	101.0	70	120	
Sc (ISICPMS)	45	He	41701.89	1.0	104.8	70	120	
Ge (IS)	74	H2	302346.49	1.6	104.5	70	120	
Ge (IS)	74	He	35757.66	2.5	103.4	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	75258.96	0.7	100.9	70	120	
Tb (IS)	159	He	315464.39	0.6	102.5	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	257512.44	0.2	104.7	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 025_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 16:56:35

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.002	ug/l	71.1	0.2	-0.2	0.2	
B	11	6	No Gas	5.202	ug/l	38.7	20	-20	20	
Na	23	45	He	-2.414	ug/l	N/A	50	-50	50	
Mg	24	45	He	0.267	ug/l	51.7	50	-50	50	
Al	27	45	He	0.119	ug/l	232.6	10	-10	10	
K	39	45	He	2.232	ug/l	356.0	50	-50	50	
Ca	40	45	H2	-1.238	ug/l	N/A	50	-50	50	
Ti	47	45	He	-0.017	ug/l	N/A	1	-1	1	
V	51	45	He	0.006	ug/l	19.9	1	-1	1	
Cr	52	45	He	-0.004	ug/l	N/A	1	-1	1	
Mn	55	45	He	0.006	ug/l	146.2	2	-2	2	
Fe	56	45	H2	0.058	ug/l	42.5				
Co	59	45	He	0.003	ug/l	42.4	1	-1	1	
Ni	60	45	He	0.009	ug/l	122.4	1	-1	1	
Cu	63	45	He	-0.002	ug/l	N/A	1	-1	1	
Zn	66	45	He	-0.047	ug/l	N/A	4	-4	4	
As	75	74	He	-0.001	ug/l	N/A	0.5	-0.5	0.5	
Se	78	74	H2	-0.002	ug/l	N/A	0.5	-0.5	0.5	
Sr	88	115	He	0.005	ug/l	31.4	1	-1	1	
Mo	95	115	He	0.008	ug/l	24.1	1	-1	1	
Ag	107	115	He	0.029	ug/l	47.9	1	-1	1	
Cd	111	115	He	-0.003	ug/l	N/A	0.5	-0.5	0.5	
Sn	118	115	He	0.002	ug/l	1119.4	4	-4	4	
Sb	121	115	He	0.153	ug/l	19.5	0.5	-0.5	0.5	
Ba	137	159	He	0.000	ug/l	N/A	1	-1	1	
Tl	205	209	He	-0.001	ug/l	N/A	0.2	-0.2	0.2	
(Pb)	206	209	He	-0.032	ug/l	N/A				
(Pb)	207	209	He	-0.029	ug/l	N/A				
Pb	208	209	He	-0.025	ug/l	N/A	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1027207.72	3.2	106.2	70	120	
Sc (ISICPMS)	45	H2	1065870.59	2.0	100.9	70	120	
Sc (ISICPMS)	45	He	41354.21	0.2	103.9	70	120	
Ge (IS)	74	H2	290990.75	1.9	100.6	70	120	
Ge (IS)	74	He	35776.46	0.5	103.4	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	76477.41	1.5	102.5	70	120	
Tb (IS)	159	He	319661.41	0.7	103.8	70	120	
Bi (IS)	209	He	257525.57	0.7	104.7	70	120	

Sample Report

File Name 026SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 16:59:03

Sample Name **460-199354-N-2-D MS@50**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.950	ug/l	1.8	1000	
B	11	6	No Gas	105.586	ug/l	4.1	500	
Na	23	45	He	965.658	ug/l	0.8	200000	
Mg	24	45	He	826.565	ug/l	1.6	150000	
Al	27	45	He	500.818	ug/l	3.0	50000	
K	39	45	He	550.146	ug/l	1.0	200000	
Ca	40	45	H2	1513.009	ug/l	1.6	150000	
Ti	47	45	He	9.845	ug/l	2.2	1000	
V	51	45	He	9.835	ug/l	2.9	2000	
Cr	52	45	He	9.938	ug/l	0.7	4000	
Mn	55	45	He	227.612	ug/l	0.7	5000	
Fe	56	45	H2	600.255	ug/l	0.8	100000	
Co	59	45	He	5.082	ug/l	0.9	1000	
Ni	60	45	He	9.928	ug/l	1.9	1000	
Cu	63	45	He	10.103	ug/l	2.7	1000	
Zn	66	45	He	50.909	ug/l	2.5	1000	
As	75	74	He	10.276	ug/l	2.0	2000	
Se	78	74	H2	10.258	ug/l	3.1	1000	
Sr	88	115	He	13.451	ug/l	1.2	2000	
Mo	95	115	He	10.032	ug/l	0.3	1000	
Ag	107	115	He	4.700	ug/l	0.5	100	
Cd	111	115	He	5.023	ug/l	5.3	2000	
Sn	118	115	He	10.098	ug/l	2.0	100	
Sb	121	115	He	5.193	ug/l	2.8	100	
Ba	137	159	He	22.852	ug/l	2.6	5000	
Tl	205	209	He	4.145	ug/l	0.8	1000	
(Pb)	206	209	He	5.224	ug/l	1.0		
(Pb)	207	209	He	5.097	ug/l	2.2		
Pb	208	209	He	5.144	ug/l	0.8	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1010078.57	0.6	104.5	70	120	
Sc (ISICPMS)	45	H2	1072620.97	0.7	101.6	70	120	
Sc (ISICPMS)	45	He	39641.86	2.3	99.6	70	120	
Ge (IS)	74	H2	301395.51	1.3	104.2	70	120	
Ge (IS)	74	He	34717.33	1.0	100.4	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	71834.48	0.8	96.3	70	120	
Tb (IS)	159	He	301517.92	1.7	97.9	70	120	
Bi (IS)	209	He	240578.02	1.1	97.8	70	120	

Sample Report

File Name 027SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:01:32

Sample Name **460-199354-N-2-C DU@50**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	1000	
B	11	6	No Gas	11.113	ug/l	11.6	500	
Na	23	45	He	484.805	ug/l	0.8	200000	
Mg	24	45	He	336.431	ug/l	0.9	150000	
Al	27	45	He	1.349	ug/l	43.2	50000	
K	39	45	He	49.450	ug/l	8.8	200000	
Ca	40	45	H2	1006.908	ug/l	0.8	150000	
Ti	47	45	He	0.016	ug/l	300.4	1000	
V	51	45	He	0.008	ug/l	38.2	2000	
Cr	52	45	He	0.096	ug/l	20.9	4000	
Mn	55	45	He	181.485	ug/l	0.9	5000	
Fe	56	45	H2	98.943	ug/l	0.6	100000	
Co	59	45	He	0.093	ug/l	20.4	1000	
Ni	60	45	He	0.083	ug/l	36.5	1000	
Cu	63	45	He	0.069	ug/l	13.1	1000	
Zn	66	45	He	0.499	ug/l	37.1	1000	
As	75	74	He	0.054	ug/l	11.6	2000	
Se	78	74	H2	0.019	ug/l	87.3	1000	
Sr	88	115	He	3.607	ug/l	1.7	2000	
Mo	95	115	He	0.068	ug/l	6.9	1000	
Ag	107	115	He	0.008	ug/l	72.0	100	
Cd	111	115	He	-0.006	ug/l	0.0	2000	
Sn	118	115	He	0.019	ug/l	175.1	100	
Sb	121	115	He	0.110	ug/l	10.8	100	
Ba	137	159	He	13.153	ug/l	2.6	5000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
(Pb)	206	209	He	-0.022	ug/l	N/A		
(Pb)	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.020	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	986870.18	1.2	102.1	70	120	
Sc (ISICPMS)	45	H2	1072033.08	0.6	101.5	70	120	
Sc (ISICPMS)	45	He	39156.17	1.8	98.4	70	120	
Ge (IS)	74	H2	301573.60	1.0	104.3	70	120	
Ge (IS)	74	He	34748.46	1.4	100.5	70	120	
Kr	83	He	13.35	86.6	80.0			
In-1	115	He	72790.40	2.0	97.6	70	120	
Tb (IS)	159	He	301039.72	1.0	97.8	70	120	
Bi (IS)	209	He	240570.47	0.7	97.8	70	120	

Sample Report

File Name 028SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:04:00

Sample Name **460-199354-N-2-B@50**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	1000	
B	11	6	No Gas	8.382	ug/l	17.2	500	
Na	23	45	He	484.992	ug/l	1.5	200000	
Mg	24	45	He	340.233	ug/l	1.7	150000	
Al	27	45	He	0.905	ug/l	43.9	50000	
K	39	45	He	53.045	ug/l	3.1	200000	
Ca	40	45	H2	1032.025	ug/l	1.3	150000	
Ti	47	45	He	0.006	ug/l	109.9	1000	
V	51	45	He	0.011	ug/l	45.9	2000	
Cr	52	45	He	0.114	ug/l	24.5	4000	
Mn	55	45	He	182.842	ug/l	1.9	5000	
Fe	56	45	H2	101.751	ug/l	0.9	100000	
Co	59	45	He	0.087	ug/l	10.1	1000	
Ni	60	45	He	0.083	ug/l	27.0	1000	
Cu	63	45	He	0.163	ug/l	7.0	1000	
Zn	66	45	He	0.593	ug/l	22.1	1000	
As	75	74	He	0.035	ug/l	27.1	2000	
Se	78	74	H2	0.016	ug/l	129.2	1000	
Sr	88	115	He	3.547	ug/l	3.3	2000	
Mo	95	115	He	0.041	ug/l	30.3	1000	
Ag	107	115	He	0.001	ug/l	285.2	100	
Cd	111	115	He	-0.006	ug/l	0.0	2000	
Sn	118	115	He	0.003	ug/l	265.6	100	
Sb	121	115	He	0.080	ug/l	33.3	100	
Ba	137	159	He	13.249	ug/l	2.8	5000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
(Pb)	206	209	He	0.012	ug/l	43.5		
(Pb)	207	209	He	0.008	ug/l	63.4		
Pb	208	209	He	0.013	ug/l	15.2	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	997066.21	0.5	103.1	70	120	
Sc (ISICPMS)	45	H2	1059015.55	0.8	100.3	70	120	
Sc (ISICPMS)	45	He	39345.52	2.8	98.9	70	120	
Ge (IS)	74	H2	299696.35	0.4	103.6	70	120	
Ge (IS)	74	He	35403.41	3.1	102.4	70	120	
Kr	83	He	26.69	57.3	160.0			
In-1	115	He	73631.63	1.6	98.7	70	120	
Tb (IS)	159	He	303321.93	1.4	98.5	70	120	
Bi (IS)	209	He	243220.18	1.9	98.8	70	120	

Sample Report

File Name 029SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:06:30

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	42.1	1000	
B	11	6	No Gas	3.723	ug/l	36.0	500	
Na	23	45	He	15.256	ug/l	5.6	200000	
Mg	24	45	He	2.568	ug/l	10.4	150000	
Al	27	45	He	0.248	ug/l	235.9	50000	
K	39	45	He	8.407	ug/l	103.7	200000	
Ca	40	45	H2	4.635	ug/l	2.4	150000	
Ti	47	45	He	-0.007	ug/l	N/A	1000	
V	51	45	He	0.006	ug/l	30.7	2000	
Cr	52	45	He	0.009	ug/l	172.4	4000	
Mn	55	45	He	0.093	ug/l	8.9	5000	
Fe	56	45	H2	0.916	ug/l	7.8	100000	
Co	59	45	He	0.004	ug/l	48.7	1000	
Ni	60	45	He	0.012	ug/l	54.9	1000	
Cu	63	45	He	0.015	ug/l	59.1	1000	
Zn	66	45	He	-0.037	ug/l	N/A	1000	
As	75	74	He	-0.015	ug/l	N/A	2000	
Se	78	74	H2	-0.007	ug/l	N/A	1000	
Sr	88	115	He	0.029	ug/l	39.2	2000	
Mo	95	115	He	0.035	ug/l	36.6	1000	
Ag	107	115	He	0.000	ug/l	2217.2	100	
Cd	111	115	He	-0.001	ug/l	N/A	2000	
Sn	118	115	He	-0.012	ug/l	N/A	100	
Sb	121	115	He	0.069	ug/l	5.6	100	
Ba	137	159	He	0.012	ug/l	27.5	5000	
Tl	205	209	He	0.000	ug/l	N/A	1000	
(Pb)	206	209	He	-0.028	ug/l	N/A		
(Pb)	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.023	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	978069.78	0.4	101.1	70	120	
Sc (ISICPMS)	45	H2	1073550.29	0.5	101.7	70	120	
Sc (ISICPMS)	45	He	39322.10	1.2	98.8	70	120	
Ge (IS)	74	H2	290397.73	0.6	100.4	70	120	
Ge (IS)	74	He	34248.46	1.4	99.0	70	120	
Kr	83	He	20.02	86.6	120.0			
In-1	115	He	72399.92	0.8	97.0	70	120	
Tb (IS)	159	He	299145.91	1.3	97.2	70	120	
Bi (IS)	209	He	238706.41	0.7	97.0	70	120	

Sample Report

File Name 030SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:08:59

Sample Name **SD 460-199354-N-2-B@250**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	1000	
B	11	6	No Gas	2.748	ug/l	48.6	500	
Na	23	45	He	97.706	ug/l	1.9	200000	
Mg	24	45	He	69.057	ug/l	2.0	150000	
Al	27	45	He	0.900	ug/l	11.1	50000	
K	39	45	He	13.533	ug/l	53.1	200000	
Ca	40	45	H2	221.697	ug/l	0.3	150000	
Ti	47	45	He	-0.026	ug/l	N/A	1000	
V	51	45	He	-0.001	ug/l	N/A	2000	
Cr	52	45	He	0.025	ug/l	18.0	4000	
Mn	55	45	He	36.828	ug/l	1.5	5000	
Fe	56	45	H2	19.832	ug/l	0.8	100000	
Co	59	45	He	0.014	ug/l	29.6	1000	
Ni	60	45	He	0.008	ug/l	75.5	1000	
Cu	63	45	He	0.020	ug/l	15.1	1000	
Zn	66	45	He	0.169	ug/l	26.8	1000	
As	75	74	He	-0.010	ug/l	N/A	2000	
Se	78	74	H2	-0.008	ug/l	N/A	1000	
Sr	88	115	He	0.696	ug/l	6.2	2000	
Mo	95	115	He	0.012	ug/l	16.6	1000	
Ag	107	115	He	-0.003	ug/l	N/A	100	
Cd	111	115	He	-0.003	ug/l	N/A	2000	
Sn	118	115	He	-0.029	ug/l	N/A	100	
Sb	121	115	He	0.068	ug/l	11.2	100	
Ba	137	159	He	2.618	ug/l	1.3	5000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
(Pb)	206	209	He	-0.030	ug/l	N/A		
(Pb)	207	209	He	-0.024	ug/l	N/A		
Pb	208	209	He	-0.025	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	995235.51	0.4	102.9	70	120	
Sc (ISICPMS)	45	H2	1090468.09	0.9	103.3	70	120	
Sc (ISICPMS)	45	He	41103.48	1.9	103.3	70	120	
Ge (IS)	74	H2	303702.44	0.5	105.0	70	120	
Ge (IS)	74	He	36496.10	3.0	105.5	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	77012.91	2.5	103.2	70	120	
Tb (IS)	159	He	316573.18	2.1	102.8	70	120	
Bi (IS)	209	He	252529.31	2.4	102.6	70	120	

Continuing Calibration Verification (CCV)

File Name 031_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:11:29

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.714	ug/l	2.7	50	45	55	
B	11	6	No Gas	99.388	ug/l	3.6	100	90	110	
Na	23	45	He	5019.030	ug/l	0.8	5000	4500	5500	
Mg	24	45	He	5033.170	ug/l	0.7	5000	4500	5500	
Al	27	45	He	505.231	ug/l	0.6	500	450	550	
K	39	45	He	5057.089	ug/l	0.6	5000	4500	5500	
Ca	40	45	H2	5037.751	ug/l	0.5	5000	4500	5500	
Ti	47	45	He	49.989	ug/l	3.6	50	45	55	
V	51	45	He	50.052	ug/l	1.3	50	45	55	
Cr	52	45	He	50.013	ug/l	0.6	50	45	55	
Mn	55	45	He	502.180	ug/l	0.6	500	450	550	
Fe	56	45	H2	5054.917	ug/l	0.7				
Co	59	45	He	50.198	ug/l	0.8	50	45	55	
Ni	60	45	He	49.979	ug/l	1.4	50	45	55	
Cu	63	45	He	50.148	ug/l	0.6	50	45	55	
Zn	66	45	He	50.503	ug/l	3.0	50	45	55	
As	75	74	He	50.437	ug/l	1.3	50	45	55	
Se	78	74	H2	49.971	ug/l	0.8	50	45	55	
Sr	88	115	He	50.696	ug/l	0.9	50	45	55	
Mo	95	115	He	50.822	ug/l	1.4	50	45	55	
Ag	107	115	He	50.953	ug/l	1.2	50	45	55	
Cd	111	115	He	50.558	ug/l	0.7	50	45	55	
Sn	118	115	He	50.282	ug/l	0.9	50	45	55	
Sb	121	115	He	49.623	ug/l	1.4	50	45	55	
Ba	137	159	He	50.489	ug/l	0.5	50	45	55	
Tl	205	209	He	10.326	ug/l	0.9	10	9	11	
(Pb)	206	209	He	52.001	ug/l	0.5				
(Pb)	207	209	He	51.992	ug/l	0.5				
Pb	208	209	He	51.978	ug/l	0.5	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1033015.48	1.6	106.8	70	120	
Sc (ISICPMS)	45	H2	1147554.11	1.1	108.7	70	120	
Sc (ISICPMS)	45	He	41940.27	1.3	105.4	70	120	
Ge (IS)	74	H2	321134.40	0.5	111.0	70	120	
Ge (IS)	74	He	37000.57	1.4	107.0	70	120	
Kr	83	He	16.68	91.7	100.0			
In-1	115	He	77133.81	1.8	103.4	70	120	
Tb (IS)	159	He	323328.57	1.2	105.0	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	259177.44	1.3	105.3	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 032_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:13:57

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.007	ug/l	4.6	0.2	-0.2	0.2	
B	11	6	No Gas	4.220	ug/l	35.2	20	-20	20	
Na	23	45	He	-2.777	ug/l	N/A	50	-50	50	
Mg	24	45	He	0.902	ug/l	21.2	50	-50	50	
Al	27	45	He	0.088	ug/l	144.9	10	-10	10	
K	39	45	He	-0.489	ug/l	N/A	50	-50	50	
Ca	40	45	H2	-0.370	ug/l	N/A	50	-50	50	
Ti	47	45	He	-0.005	ug/l	N/A	1	-1	1	
V	51	45	He	0.009	ug/l	112.0	1	-1	1	
Cr	52	45	He	-0.011	ug/l	N/A	1	-1	1	
Mn	55	45	He	0.072	ug/l	10.3	2	-2	2	
Fe	56	45	H2	0.668	ug/l	10.1				
Co	59	45	He	0.008	ug/l	15.1	1	-1	1	
Ni	60	45	He	-0.008	ug/l	N/A	1	-1	1	
Cu	63	45	He	0.007	ug/l	90.2	1	-1	1	
Zn	66	45	He	-0.024	ug/l	N/A	4	-4	4	
As	75	74	He	-0.005	ug/l	N/A	0.5	-0.5	0.5	
Se	78	74	H2	0.010	ug/l	118.5	0.5	-0.5	0.5	
Sr	88	115	He	0.009	ug/l	88.0	1	-1	1	
Mo	95	115	He	0.012	ug/l	40.9	1	-1	1	
Ag	107	115	He	0.046	ug/l	12.9	1	-1	1	
Cd	111	115	He	0.002	ug/l	546.0	0.5	-0.5	0.5	
Sn	118	115	He	0.009	ug/l	135.8	4	-4	4	
Sb	121	115	He	0.147	ug/l	13.6	0.5	-0.5	0.5	
Ba	137	159	He	0.005	ug/l	119.2	1	-1	1	
Tl	205	209	He	0.000	ug/l	N/A	0.2	-0.2	0.2	
(Pb)	206	209	He	-0.026	ug/l	N/A				
(Pb)	207	209	He	-0.007	ug/l	N/A				
Pb	208	209	He	-0.018	ug/l	N/A	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1061987.33	0.4	109.8	70	120	
Sc (ISICPMS)	45	H2	1151251.50	1.2	109.0	70	120	
Sc (ISICPMS)	45	He	42619.90	0.9	107.1	70	120	
Ge (IS)	74	H2	314152.89	0.6	108.6	70	120	
Ge (IS)	74	He	36057.22	0.3	104.3	70	120	
Kr	83	He	3.34	173.2	20.0			
In-1	115	He	77890.18	1.4	104.4	70	120	
Tb (IS)	159	He	321154.37	1.3	104.3	70	120	
Bi (IS)	209	He	257402.10	1.0	104.6	70	120	

Sample Report

File Name 033SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:16:27

Sample Name **MB 460-666141/1-A**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	1000	
B	11	6	No Gas	1.879	ug/l	66.3	500	
Na	23	45	He	-2.006	ug/l	N/A	200000	
Mg	24	45	He	0.391	ug/l	16.2	150000	
Al	27	45	He	0.383	ug/l	170.5	50000	
K	39	45	He	-1.455	ug/l	N/A	200000	
Ca	40	45	H2	1.935	ug/l	13.2	150000	
Ti	47	45	He	0.004	ug/l	190.4	1000	
V	51	45	He	0.011	ug/l	19.3	2000	
Cr	52	45	He	0.006	ug/l	349.0	4000	
Mn	55	45	He	0.021	ug/l	68.2	5000	
Fe	56	45	H2	0.047	ug/l	43.8	100000	
Co	59	45	He	0.002	ug/l	121.5	1000	
Ni	60	45	He	0.009	ug/l	85.3	1000	
Cu	63	45	He	0.020	ug/l	50.8	1000	
Zn	66	45	He	0.024	ug/l	516.2	1000	
As	75	74	He	-0.016	ug/l	N/A	2000	
Se	78	74	H2	0.000	ug/l	N/A	1000	
Sr	88	115	He	0.014	ug/l	20.6	2000	
Mo	95	115	He	0.005	ug/l	105.8	1000	
Ag	107	115	He	0.021	ug/l	23.8	100	
Cd	111	115	He	-0.005	ug/l	N/A	2000	
Sn	118	115	He	0.009	ug/l	350.5	100	
Sb	121	115	He	0.088	ug/l	31.4	100	
Ba	137	159	He	0.000	ug/l	N/A	5000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
(Pb)	206	209	He	-0.016	ug/l	N/A		
(Pb)	207	209	He	-0.017	ug/l	N/A		
Pb	208	209	He	-0.012	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1066755.21	0.8	110.3	70	120	
Sc (ISICPMS)	45	H2	1143875.30	1.0	108.3	70	120	
Sc (ISICPMS)	45	He	42345.77	0.6	106.4	70	120	
Ge (IS)	74	H2	311876.97	1.3	107.8	70	120	
Ge (IS)	74	He	36322.27	1.8	105.0	70	120	
Kr	83	He	6.67	173.2	40.0			
In-1	115	He	79081.10	0.7	106.0	70	120	
Tb (IS)	159	He	322838.23	0.2	104.9	70	120	
Bi (IS)	209	He	258807.58	0.2	105.2	70	120	

Sample Report

File Name 034SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:18:55

Sample Name **LCS 460-666141/2-A**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.030	ug/l	2.6	1000	
B	11	6	No Gas	100.687	ug/l	3.8	500	
Na	23	45	He	506.287	ug/l	2.3	200000	
Mg	24	45	He	499.176	ug/l	2.0	150000	
Al	27	45	He	515.357	ug/l	0.9	50000	
K	39	45	He	513.895	ug/l	2.8	200000	
Ca	40	45	H2	569.770	ug/l	0.3	150000	
Ti	47	45	He	10.614	ug/l	0.3	1000	
V	51	45	He	10.093	ug/l	4.3	2000	
Cr	52	45	He	10.154	ug/l	1.6	4000	
Mn	55	45	He	50.594	ug/l	2.2	5000	
Fe	56	45	H2	528.579	ug/l	0.8	100000	
Co	59	45	He	5.165	ug/l	2.9	1000	
Ni	60	45	He	10.372	ug/l	1.5	1000	
Cu	63	45	He	10.359	ug/l	1.5	1000	
Zn	66	45	He	51.339	ug/l	3.3	1000	
As	75	74	He	10.285	ug/l	0.5	2000	
Se	78	74	H2	10.160	ug/l	2.6	1000	
Sr	88	115	He	10.148	ug/l	0.7	2000	
Mo	95	115	He	10.138	ug/l	1.9	1000	
Ag	107	115	He	4.895	ug/l	0.9	100	
Cd	111	115	He	5.067	ug/l	1.3	2000	
Sn	118	115	He	10.305	ug/l	1.8	100	
Sb	121	115	He	5.188	ug/l	2.8	100	
Ba	137	159	He	10.429	ug/l	1.1	5000	
Tl	205	209	He	4.226	ug/l	1.6	1000	
(Pb)	206	209	He	5.341	ug/l	0.9		
(Pb)	207	209	He	5.142	ug/l	2.6		
Pb	208	209	He	5.254	ug/l	0.6	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1027559.35	0.8	106.3	70	120	
Sc (ISICPMS)	45	H2	1095280.84	0.9	103.7	70	120	
Sc (ISICPMS)	45	He	41202.65	1.8	103.5	70	120	
Ge (IS)	74	H2	300603.08	0.4	103.9	70	120	
Ge (IS)	74	He	35913.51	1.4	103.8	70	120	
Kr	83	He	16.68	173.2	100.0			
In-1	115	He	76067.06	1.4	102.0	70	120	
Tb (IS)	159	He	315182.35	0.6	102.4	70	120	
Bi (IS)	209	He	251903.19	0.2	102.4	70	120	

Sample Report

File Name 035SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:21:23

Sample Name **460-199766-D-2-C MS@2**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.004	ug/l	1.9	1000	
B	11	6	No Gas	161.668	ug/l	3.4	500	
Na	23	45	He	85278.793	ug/l	0.7	200000	
Mg	24	45	He	8494.622	ug/l	0.3	150000	
Al	27	45	He	819.279	ug/l	0.6	50000	
K	39	45	He	3107.896	ug/l	0.4	200000	
Ca	40	45	H2	8732.903	ug/l	0.6	150000	
Ti	47	45	He	10.528	ug/l	3.3	1000	
V	51	45	He	10.027	ug/l	0.3	2000	
Cr	52	45	He	10.287	ug/l	1.6	4000	
Mn	55	45	He	944.440	ug/l	0.3	5000	
Fe	56	45	H2	553.579	ug/l	0.6	100000	
Co	59	45	He	25.050	ug/l	0.2	1000	
Ni	60	45	He	15.177	ug/l	1.1	1000	
Cu	63	45	He	10.308	ug/l	1.9	1000	
Zn	66	45	He	78.247	ug/l	0.5	1000	
As	75	74	He	11.349	ug/l	4.0	2000	
Se	78	74	H2	11.335	ug/l	2.1	1000	
Sr	88	115	He	95.744	ug/l	1.2	2000	
Mo	95	115	He	10.383	ug/l	1.0	1000	
Ag	107	115	He	4.680	ug/l	1.1	100	
Cd	111	115	He	5.523	ug/l	2.6	2000	
Sn	118	115	He	10.639	ug/l	0.8	100	
Sb	121	115	He	5.022	ug/l	1.6	100	
Ba	137	159	He	130.278	ug/l	0.1	5000	
Tl	205	209	He	4.381	ug/l	1.0	1000	
(Pb)	206	209	He	5.934	ug/l	1.7		
(Pb)	207	209	He	5.647	ug/l	1.9		
Pb	208	209	He	5.823	ug/l	1.5	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1150386.49	0.7	119.0	70	120	
Sc (ISICPMS)	45	H2	1245715.49	0.8	118.0	70	120	
Sc (ISICPMS)	45	He	47606.97	0.5	119.6	70	120	
Ge (IS)	74	H2	344330.54	1.0	119.1	70	120	
Ge (IS)	74	He	41061.25	0.5	118.7	70	120	
Kr	83	He	86.75	24.0	520.0			
In-1	115	He	83849.77	0.2	112.4	70	120	
Tb (IS)	159	He	361423.40	1.3	117.4	70	120	
Bi (IS)	209	He	267727.55	1.7	108.8	70	120	

Sample Report

File Name 036SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:23:51

Sample Name **460-199766-D-2-B DU@2**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.787	ug/l	1.0	1000	
B	11	6	No Gas	73.881	ug/l	1.5	500	
Na	23	45	He	81486.247	ug/l	1.2	200000	
Mg	24	45	He	7630.617	ug/l	1.1	150000	
Al	27	45	He	285.530	ug/l	2.5	50000	
K	39	45	He	2478.319	ug/l	1.3	200000	
Ca	40	45	H2	7604.257	ug/l	2.1	150000	
Ti	47	45	He	0.047	ug/l	71.4	1000	
V	51	45	He	0.025	ug/l	35.5	2000	
Cr	52	45	He	0.304	ug/l	3.4	4000	
Mn	55	45	He	854.194	ug/l	0.9	5000	
Fe	56	45	H2	36.650	ug/l	4.0	100000	
Co	59	45	He	19.043	ug/l	0.9	1000	
Ni	60	45	He	5.028	ug/l	1.5	1000	
Cu	63	45	He	0.416	ug/l	7.6	1000	
Zn	66	45	He	26.348	ug/l	2.3	1000	
As	75	74	He	0.653	ug/l	16.9	2000	
Se	78	74	H2	0.407	ug/l	5.3	1000	
Sr	88	115	He	79.015	ug/l	1.9	2000	
Mo	95	115	He	0.008	ug/l	14.3	1000	
Ag	107	115	He	0.017	ug/l	31.3	100	
Cd	111	115	He	0.298	ug/l	18.1	2000	
Sn	118	115	He	-0.023	ug/l	N/A	100	
Sb	121	115	He	0.136	ug/l	7.1	100	
Ba	137	159	He	112.162	ug/l	0.8	5000	
Tl	205	209	He	0.042	ug/l	3.1	1000	
(Pb)	206	209	He	0.342	ug/l	8.1		
(Pb)	207	209	He	0.311	ug/l	3.0		
Pb	208	209	He	0.320	ug/l	0.6	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1043421.55	0.7	107.9	70	120	
Sc (ISICPMS)	45	H2	1129379.06	1.1	107.0	70	120	
Sc (ISICPMS)	45	He	41842.25	0.7	105.1	70	120	
Ge (IS)	74	H2	312176.67	1.1	107.9	70	120	
Ge (IS)	74	He	37113.04	0.7	107.3	70	120	
Kr	83	He	73.41	28.4	440.0			
In-1	115	He	75566.44	2.3	101.3	70	120	
Tb (IS)	159	He	321225.14	1.1	104.3	70	120	
Bi (IS)	209	He	239259.42	0.5	97.2	70	120	

Sample Report

File Name 037SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:26:19

Sample Name **460-199766-D-2-A@2**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.768	ug/l	3.3	1000	
B	11	6	No Gas	67.531	ug/l	1.6	500	
Na	23	45	He	78115.601	ug/l	0.9	200000	
Mg	24	45	He	7364.513	ug/l	1.2	150000	
Al	27	45	He	277.104	ug/l	1.0	50000	
K	39	45	He	2395.300	ug/l	0.9	200000	
Ca	40	45	H2	7538.624	ug/l	0.7	150000	
Ti	47	45	He	0.084	ug/l	71.0	1000	
V	51	45	He	0.022	ug/l	34.8	2000	
Cr	52	45	He	0.299	ug/l	6.4	4000	
Mn	55	45	He	826.638	ug/l	0.9	5000	
Fe	56	45	H2	33.716	ug/l	0.6	100000	
Co	59	45	He	18.320	ug/l	1.1	1000	
Ni	60	45	He	4.920	ug/l	0.7	1000	
Cu	63	45	He	0.373	ug/l	8.6	1000	
Zn	66	45	He	25.906	ug/l	2.1	1000	
As	75	74	He	0.620	ug/l	7.2	2000	
Se	78	74	H2	0.411	ug/l	7.8	1000	
Sr	88	115	He	78.727	ug/l	0.3	2000	
Mo	95	115	He	0.009	ug/l	60.1	1000	
Ag	107	115	He	0.007	ug/l	79.6	100	
Cd	111	115	He	0.342	ug/l	1.2	2000	
Sn	118	115	He	-0.029	ug/l	N/A	100	
Sb	121	115	He	0.100	ug/l	3.9	100	
Ba	137	159	He	109.785	ug/l	0.6	5000	
Tl	205	209	He	0.035	ug/l	3.4	1000	
(Pb)	206	209	He	0.312	ug/l	5.2		
(Pb)	207	209	He	0.282	ug/l	1.2		
Pb	208	209	He	0.304	ug/l	0.8	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1164867.41	0.5	120.5	70	120	fail
Sc (ISICPMS)	45	H2	1267405.71	1.3	120.0	70	120	fail
Sc (ISICPMS)	45	He	47499.86	0.5	119.4	70	120	
Ge (IS)	74	H2	347295.68	0.8	120.1	70	120	fail
Ge (IS)	74	He	41707.44	0.3	120.6	70	120	fail
Kr	83	He	80.08	25.0	480.0			
In-1	115	He	83910.92	0.6	112.5	70	120	
Tb (IS)	159	He	359532.51	0.1	116.8	70	120	
Bi (IS)	209	He	266595.61	1.1	108.3	70	120	

Sample Report

File Name 038SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:28:46

Sample Name **SD 460-199766-D-2-A@10**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.169	ug/l	2.7	1000	
B	11	6	No Gas	21.716	ug/l	4.3	500	
Na	23	45	He	18442.553	ug/l	1.0	200000	
Mg	24	45	He	1715.471	ug/l	1.8	150000	
Al	27	45	He	65.329	ug/l	4.2	50000	
K	39	45	He	556.141	ug/l	3.3	200000	
Ca	40	45	H2	1741.154	ug/l	0.5	150000	
Ti	47	45	He	0.010	ug/l	283.7	1000	
V	51	45	He	0.018	ug/l	119.7	2000	
Cr	52	45	He	0.067	ug/l	16.3	4000	
Mn	55	45	He	193.631	ug/l	1.1	5000	
Fe	56	45	H2	8.088	ug/l	6.3	100000	
Co	59	45	He	4.368	ug/l	2.7	1000	
Ni	60	45	He	1.203	ug/l	1.6	1000	
Cu	63	45	He	0.110	ug/l	3.6	1000	
Zn	66	45	He	5.891	ug/l	0.9	1000	
As	75	74	He	0.139	ug/l	5.1	2000	
Se	78	74	H2	0.075	ug/l	10.4	1000	
Sr	88	115	He	17.935	ug/l	0.8	2000	
Mo	95	115	He	0.003	ug/l	114.9	1000	
Ag	107	115	He	0.000	ug/l	398.7	100	
Cd	111	115	He	0.066	ug/l	49.6	2000	
Sn	118	115	He	-0.015	ug/l	N/A	100	
Sb	121	115	He	0.036	ug/l	29.7	100	
Ba	137	159	He	26.069	ug/l	3.0	5000	
Tl	205	209	He	0.006	ug/l	14.7	1000	
(Pb)	206	209	He	0.066	ug/l	9.3		
(Pb)	207	209	He	0.063	ug/l	4.6		
Pb	208	209	He	0.065	ug/l	5.6	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1122438.22	0.3	116.1	70	120	
Sc (ISICPMS)	45	H2	1206961.12	0.3	114.3	70	120	
Sc (ISICPMS)	45	He	45217.42	0.5	113.6	70	120	
Ge (IS)	74	H2	335207.30	0.6	115.9	70	120	
Ge (IS)	74	He	39450.26	1.3	114.1	70	120	
Kr	83	He	40.04	NaN	240.0			
In-1	115	He	81799.75	0.9	109.6	70	120	
Tb (IS)	159	He	334154.08	0.5	108.5	70	120	
Bi (IS)	209	He	261916.08	0.9	106.4	70	120	

Sample Report

File Name 039SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:31:14

Sample Name **460-199766-A-6-A@2**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.292	ug/l	1.8	1000	
B	11	6	No Gas	40.379	ug/l	0.1	500	
Na	23	45	He	40991.256	ug/l	1.3	200000	
Mg	24	45	He	12939.973	ug/l	0.9	150000	
Al	27	45	He	547.337	ug/l	0.9	50000	
K	39	45	He	4579.445	ug/l	0.3	200000	
Ca	40	45	H2	9769.508	ug/l	0.4	150000	
Ti	47	45	He	0.072	ug/l	17.3	1000	
V	51	45	He	0.105	ug/l	23.1	2000	
Cr	52	45	He	5.034	ug/l	4.1	4000	
Mn	55	45	He	268.514	ug/l	0.8	5000	
Fe	56	45	H2	80.245	ug/l	1.5	100000	
Co	59	45	He	9.835	ug/l	0.4	1000	
Ni	60	45	He	14.593	ug/l	2.7	1000	
Cu	63	45	He	0.851	ug/l	4.8	1000	
Zn	66	45	He	30.571	ug/l	1.8	1000	
As	75	74	He	0.669	ug/l	4.6	2000	
Se	78	74	H2	0.296	ug/l	32.4	1000	
Sr	88	115	He	141.740	ug/l	0.2	2000	
Mo	95	115	He	0.166	ug/l	5.4	1000	
Ag	107	115	He	-0.001	ug/l	N/A	100	
Cd	111	115	He	0.656	ug/l	12.7	2000	
Sn	118	115	He	-0.043	ug/l	N/A	100	
Sb	121	115	He	0.032	ug/l	79.8	100	
Ba	137	159	He	238.368	ug/l	1.6	5000	
Tl	205	209	He	0.057	ug/l	4.4	1000	
(Pb)	206	209	He	0.508	ug/l	2.6		
(Pb)	207	209	He	0.432	ug/l	5.4		
Pb	208	209	He	0.469	ug/l	2.4	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1171047.87	0.7	121.1	70	120	fail
Sc (ISICPMS)	45	H2	1276545.26	1.0	120.9	70	120	fail
Sc (ISICPMS)	45	He	47647.09	1.1	119.7	70	120	
Ge (IS)	74	H2	347421.80	0.8	120.1	70	120	fail
Ge (IS)	74	He	41706.35	1.5	120.6	70	120	fail
Kr	83	He	116.78	30.1	700.0			
In-1	115	He	86054.83	1.3	115.3	70	120	
Tb (IS)	159	He	367967.04	0.4	119.5	70	120	
Bi (IS)	209	He	269662.04	0.6	109.6	70	120	

Sample Report

File Name 040SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:33:42

Sample Name **460-199723-D-1-B@2**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.071	ug/l	6.7	1000	
B	11	6	No Gas	11.203	ug/l	12.7	500	
Na	23	45	He	2348.761	ug/l	1.1	200000	
Mg	24	45	He	1875.354	ug/l	1.1	150000	
Al	27	45	He	28.012	ug/l	7.9	50000	
K	39	45	He	3150.759	ug/l	0.8	200000	
Ca	40	45	H2	5203.807	ug/l	1.5	150000	
Ti	47	45	He	0.050	ug/l	27.5	1000	
V	51	45	He	0.045	ug/l	25.6	2000	
Cr	52	45	He	0.190	ug/l	13.0	4000	
Mn	55	45	He	11.268	ug/l	2.3	5000	
Fe	56	45	H2	8.679	ug/l	2.0	100000	
Co	59	45	He	0.801	ug/l	2.5	1000	
Ni	60	45	He	0.734	ug/l	6.3	1000	
Cu	63	45	He	0.491	ug/l	6.4	1000	
Zn	66	45	He	2.370	ug/l	3.6	1000	
As	75	74	He	0.118	ug/l	29.4	2000	
Se	78	74	H2	0.173	ug/l	3.2	1000	
Sr	88	115	He	19.152	ug/l	2.4	2000	
Mo	95	115	He	0.014	ug/l	38.7	1000	
Ag	107	115	He	-0.008	ug/l	N/A	100	
Cd	111	115	He	0.011	ug/l	73.7	2000	
Sn	118	115	He	-0.007	ug/l	N/A	100	
Sb	121	115	He	0.047	ug/l	6.4	100	
Ba	137	159	He	97.247	ug/l	2.6	5000	
Tl	205	209	He	0.018	ug/l	16.9	1000	
(Pb)	206	209	He	0.101	ug/l	4.7		
(Pb)	207	209	He	0.105	ug/l	6.3		
Pb	208	209	He	0.110	ug/l	3.7	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1133128.88	1.4	117.2	70	120	
Sc (ISICPMS)	45	H2	1186668.25	0.4	112.4	70	120	
Sc (ISICPMS)	45	He	44692.51	0.6	112.3	70	120	
Ge (IS)	74	H2	330106.32	1.0	114.1	70	120	
Ge (IS)	74	He	39476.87	2.0	114.1	70	120	
Kr	83	He	20.02	132.3	120.0			
In-1	115	He	82156.32	1.9	110.1	70	120	
Tb (IS)	159	He	336462.66	0.6	109.3	70	120	
Bi (IS)	209	He	264160.89	0.9	107.4	70	120	

Sample Report

File Name 041SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:36:11

Sample Name **460-199723-D-2-B@2**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.032	ug/l	2.9	1000	
B	11	6	No Gas	15.797	ug/l	5.2	500	
Na	23	45	He	6095.356	ug/l	0.5	200000	
Mg	24	45	He	2294.836	ug/l	0.9	150000	
Al	27	45	He	50.655	ug/l	2.6	50000	
K	39	45	He	9558.966	ug/l	0.6	200000	
Ca	40	45	H2	7701.376	ug/l	0.8	150000	
Ti	47	45	He	0.031	ug/l	51.4	1000	
V	51	45	He	0.074	ug/l	21.6	2000	
Cr	52	45	He	0.436	ug/l	9.2	4000	
Mn	55	45	He	59.811	ug/l	1.3	5000	
Fe	56	45	H2	423.426	ug/l	1.3	100000	
Co	59	45	He	3.458	ug/l	1.7	1000	
Ni	60	45	He	2.557	ug/l	3.7	1000	
Cu	63	45	He	1.112	ug/l	1.1	1000	
Zn	66	45	He	44.795	ug/l	1.1	1000	
As	75	74	He	0.280	ug/l	9.5	2000	
Se	78	74	H2	0.107	ug/l	18.1	1000	
Sr	88	115	He	33.652	ug/l	0.3	2000	
Mo	95	115	He	0.085	ug/l	15.6	1000	
Ag	107	115	He	0.005	ug/l	99.4	100	
Cd	111	115	He	0.222	ug/l	17.2	2000	
Sn	118	115	He	0.019	ug/l	49.6	100	
Sb	121	115	He	0.034	ug/l	18.0	100	
Ba	137	159	He	50.208	ug/l	1.9	5000	
Tl	205	209	He	0.044	ug/l	5.4	1000	
(Pb)	206	209	He	0.095	ug/l	16.8		
(Pb)	207	209	He	0.104	ug/l	4.6		
Pb	208	209	He	0.104	ug/l	8.2	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1022265.27	0.7	105.7	70	120	
Sc (ISICPMS)	45	H2	1106303.96	1.0	104.8	70	120	
Sc (ISICPMS)	45	He	41282.91	1.3	103.7	70	120	
Ge (IS)	74	H2	307332.80	0.5	106.3	70	120	
Ge (IS)	74	He	36738.84	1.5	106.2	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	76097.37	0.8	102.0	70	120	
Tb (IS)	159	He	313685.39	0.8	101.9	70	120	
Bi (IS)	209	He	245799.77	1.5	99.9	70	120	

Sample Report

File Name 042SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:38:40

Sample Name **460-199723-D-3-B@2**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.068	ug/l	5.1	1000	
B	11	6	No Gas	8.726	ug/l	15.2	500	
Na	23	45	He	2255.672	ug/l	0.4	200000	
Mg	24	45	He	1797.192	ug/l	0.4	150000	
Al	27	45	He	27.016	ug/l	4.2	50000	
K	39	45	He	3038.130	ug/l	0.8	200000	
Ca	40	45	H2	5041.081	ug/l	1.1	150000	
Ti	47	45	He	0.011	ug/l	255.0	1000	
V	51	45	He	0.031	ug/l	20.6	2000	
Cr	52	45	He	0.032	ug/l	64.1	4000	
Mn	55	45	He	10.972	ug/l	3.3	5000	
Fe	56	45	H2	2.856	ug/l	1.3	100000	
Co	59	45	He	0.775	ug/l	2.0	1000	
Ni	60	45	He	0.470	ug/l	13.3	1000	
Cu	63	45	He	0.367	ug/l	3.2	1000	
Zn	66	45	He	1.374	ug/l	5.3	1000	
As	75	74	He	0.149	ug/l	23.5	2000	
Se	78	74	H2	0.183	ug/l	4.0	1000	
Sr	88	115	He	18.496	ug/l	1.9	2000	
Mo	95	115	He	0.005	ug/l	88.3	1000	
Ag	107	115	He	-0.003	ug/l	N/A	100	
Cd	111	115	He	0.011	ug/l	65.8	2000	
Sn	118	115	He	0.024	ug/l	64.3	100	
Sb	121	115	He	0.033	ug/l	41.3	100	
Ba	137	159	He	92.408	ug/l	0.5	5000	
Tl	205	209	He	0.019	ug/l	9.5	1000	
(Pb)	206	209	He	0.131	ug/l	10.6		
(Pb)	207	209	He	0.126	ug/l	9.7		
Pb	208	209	He	0.130	ug/l	1.9	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1103576.08	1.4	114.1	70	120	
Sc (ISICPMS)	45	H2	1163032.13	0.5	110.2	70	120	
Sc (ISICPMS)	45	He	43561.55	0.5	109.5	70	120	
Ge (IS)	74	H2	326873.18	0.1	113.0	70	120	
Ge (IS)	74	He	38071.08	1.7	110.1	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	80203.50	1.1	107.5	70	120	
Tb (IS)	159	He	332357.15	0.4	108.0	70	120	
Bi (IS)	209	He	263152.21	0.8	106.9	70	120	

Continuing Calibration Verification (CCV)

File Name 043_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:41:08

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.394	ug/l	2.9	50	45	55	
B	11	6	No Gas	100.906	ug/l	4.6	100	90	110	
Na	23	45	He	5031.521	ug/l	0.8	5000	4500	5500	
Mg	24	45	He	5050.849	ug/l	0.7	5000	4500	5500	
Al	27	45	He	504.049	ug/l	2.3	500	450	550	
K	39	45	He	5065.152	ug/l	1.2	5000	4500	5500	
Ca	40	45	H2	5066.106	ug/l	0.6	5000	4500	5500	
Ti	47	45	He	49.581	ug/l	0.5	50	45	55	
V	51	45	He	50.208	ug/l	1.7	50	45	55	
Cr	52	45	He	50.521	ug/l	0.7	50	45	55	
Mn	55	45	He	502.676	ug/l	0.7	500	450	550	
Fe	56	45	H2	5175.255	ug/l	0.5				
Co	59	45	He	50.407	ug/l	0.9	50	45	55	
Ni	60	45	He	50.858	ug/l	1.4	50	45	55	
Cu	63	45	He	50.164	ug/l	1.9	50	45	55	
Zn	66	45	He	51.223	ug/l	1.4	50	45	55	
As	75	74	He	50.338	ug/l	1.3	50	45	55	
Se	78	74	H2	51.215	ug/l	1.9	50	45	55	
Sr	88	115	He	50.770	ug/l	0.5	50	45	55	
Mo	95	115	He	50.940	ug/l	0.9	50	45	55	
Ag	107	115	He	50.957	ug/l	0.9	50	45	55	
Cd	111	115	He	50.976	ug/l	0.8	50	45	55	
Sn	118	115	He	50.931	ug/l	0.8	50	45	55	
Sb	121	115	He	49.755	ug/l	1.4	50	45	55	
Ba	137	159	He	50.920	ug/l	1.4	50	45	55	
Tl	205	209	He	10.272	ug/l	0.9	10	9	11	
(Pb)	206	209	He	51.599	ug/l	0.5				
(Pb)	207	209	He	51.503	ug/l	0.3				
Pb	208	209	He	51.614	ug/l	0.1	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1035939.21	0.4	107.1	70	120	
Sc (ISICPMS)	45	H2	1115137.28	0.1	105.6	70	120	
Sc (ISICPMS)	45	He	41374.30	0.8	104.0	70	120	
Ge (IS)	74	H2	312508.22	1.1	108.1	70	120	
Ge (IS)	74	He	37015.09	1.5	107.0	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	76084.31	1.6	102.0	70	120	
Tb (IS)	159	He	316874.01	0.6	102.9	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	255797.01	0.3	104.0	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 044_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:43:36

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.017	ug/l	13.8	0.2	-0.2	0.2	
B	11	6	No Gas	6.473	ug/l	25.5	20	-20	20	
Na	23	45	He	5.245	ug/l	24.3	50	-50	50	
Mg	24	45	He	2.029	ug/l	14.0	50	-50	50	
Al	27	45	He	0.366	ug/l	31.3	10	-10	10	
K	39	45	He	3.077	ug/l	223.2	50	-50	50	
Ca	40	45	H2	0.944	ug/l	3.3	50	-50	50	
Ti	47	45	He	-0.008	ug/l	N/A	1	-1	1	
V	51	45	He	0.010	ug/l	59.6	1	-1	1	
Cr	52	45	He	0.009	ug/l	136.0	1	-1	1	
Mn	55	45	He	0.193	ug/l	18.4	2	-2	2	
Fe	56	45	H2	1.751	ug/l	1.2				
Co	59	45	He	0.014	ug/l	20.9	1	-1	1	
Ni	60	45	He	0.007	ug/l	53.2	1	-1	1	
Cu	63	45	He	0.021	ug/l	8.8	1	-1	1	
Zn	66	45	He	-0.024	ug/l	N/A	4	-4	4	
As	75	74	He	0.006	ug/l	89.8	0.5	-0.5	0.5	
Se	78	74	H2	0.029	ug/l	127.7	0.5	-0.5	0.5	
Sr	88	115	He	0.018	ug/l	43.3	1	-1	1	
Mo	95	115	He	0.025	ug/l	28.9	1	-1	1	
Ag	107	115	He	0.064	ug/l	6.8	1	-1	1	
Cd	111	115	He	0.019	ug/l	99.6	0.5	-0.5	0.5	
Sn	118	115	He	0.010	ug/l	247.4	4	-4	4	
Sb	121	115	He	0.163	ug/l	19.1	0.5	-0.5	0.5	
Ba	137	159	He	0.032	ug/l	17.7	1	-1	1	
Tl	205	209	He	0.001	ug/l	131.1	0.2	-0.2	0.2	
(Pb)	206	209	He	-0.011	ug/l	N/A				
(Pb)	207	209	He	-0.004	ug/l	N/A				
Pb	208	209	He	-0.005	ug/l	N/A	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1039307.85	0.5	107.5	70	120	
Sc (ISICPMS)	45	H2	1107729.01	0.9	104.9	70	120	
Sc (ISICPMS)	45	He	41665.06	1.5	104.7	70	120	
Ge (IS)	74	H2	303178.07	0.4	104.8	70	120	
Ge (IS)	74	He	35425.65	1.8	102.4	70	120	
Kr	83	He	13.35	43.3	80.0			
In-1	115	He	76089.61	0.3	102.0	70	120	
Tb (IS)	159	He	315465.82	0.9	102.5	70	120	
Bi (IS)	209	He	250939.81	1.0	102.0	70	120	

Sample Report

File Name 045SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:46:05

Sample Name **MB 460-665956/1-B**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	520.0	1000	
B	11	6	No Gas	3.036	ug/l	52.4	500	
Na	23	45	He	2.717	ug/l	54.8	200000	
Mg	24	45	He	0.345	ug/l	71.9	150000	
Al	27	45	He	0.340	ug/l	76.9	50000	
K	39	45	He	4.041	ug/l	120.1	200000	
Ca	40	45	H2	-0.768	ug/l	N/A	150000	
Ti	47	45	He	0.005	ug/l	162.3	1000	
V	51	45	He	-0.001	ug/l	N/A	2000	
Cr	52	45	He	0.002	ug/l	650.1	4000	
Mn	55	45	He	0.012	ug/l	66.7	5000	
Fe	56	45	H2	-0.008	ug/l	N/A	100000	
Co	59	45	He	0.003	ug/l	70.0	1000	
Ni	60	45	He	0.008	ug/l	86.6	1000	
Cu	63	45	He	0.008	ug/l	6.8	1000	
Zn	66	45	He	-0.103	ug/l	N/A	1000	
As	75	74	He	-0.003	ug/l	N/A	2000	
Se	78	74	H2	0.003	ug/l	288.8	1000	
Sr	88	115	He	0.005	ug/l	67.6	2000	
Mo	95	115	He	0.006	ug/l	112.0	1000	
Ag	107	115	He	0.023	ug/l	38.4	100	
Cd	111	115	He	0.000	ug/l	1091.8	2000	
Sn	118	115	He	-0.015	ug/l	N/A	100	
Sb	121	115	He	0.077	ug/l	29.5	100	
Ba	137	159	He	0.000	ug/l	N/A	5000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
(Pb)	206	209	He	-0.035	ug/l	N/A		
(Pb)	207	209	He	-0.023	ug/l	N/A		
Pb	208	209	He	-0.025	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1039417.95	1.5	107.5	70	120	
Sc (ISICPMS)	45	H2	1078068.32	1.0	102.1	70	120	
Sc (ISICPMS)	45	He	41365.31	0.9	103.9	70	120	
Ge (IS)	74	H2	297033.14	0.7	102.7	70	120	
Ge (IS)	74	He	35559.25	1.5	102.8	70	120	
Kr	83	He	23.36	65.5	140.0			
In-1	115	He	76822.80	0.3	103.0	70	120	
Tb (IS)	159	He	316696.88	0.0	102.9	70	120	
Bi (IS)	209	He	251102.32	0.3	102.0	70	120	

Sample Report

File Name 046SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:48:33

Sample Name **LCS 460-665957/2-A**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.086	ug/l	1.7	1000	
B	11	6	No Gas	105.415	ug/l	3.5	500	
Na	23	45	He	634.343	ug/l	29.8	200000	
Mg	24	45	He	623.905	ug/l	28.1	150000	
Al	27	45	He	636.486	ug/l	28.1	50000	
K	39	45	He	660.866	ug/l	32.8	200000	
Ca	40	45	H2	586.708	ug/l	0.5	150000	
Ti	47	45	He	12.563	ug/l	26.8	1000	
V	51	45	He	12.300	ug/l	28.1	2000	
Cr	52	45	He	12.497	ug/l	28.8	4000	
Mn	55	45	He	62.083	ug/l	27.9	5000	
Fe	56	45	H2	531.010	ug/l	0.5	100000	
Co	59	45	He	6.330	ug/l	29.5	1000	
Ni	60	45	He	12.662	ug/l	30.7	1000	
Cu	63	45	He	12.720	ug/l	29.8	1000	
Zn	66	45	He	62.715	ug/l	29.6	1000	
As	75	74	He	12.598	ug/l	26.5	2000	
Se	78	74	H2	10.199	ug/l	2.0	1000	
Sr	88	115	He	12.478	ug/l	26.3	2000	
Mo	95	115	He	12.147	ug/l	27.6	1000	
Ag	107	115	He	5.841	ug/l	27.3	100	
Cd	111	115	He	6.014	ug/l	24.3	2000	
Sn	118	115	He	12.560	ug/l	26.6	100	
Sb	121	115	He	6.387	ug/l	28.7	100	
Ba	137	159	He	12.597	ug/l	24.7	5000	
Tl	205	209	He	5.062	ug/l	23.5	1000	
(Pb)	206	209	He	6.483	ug/l	25.7		
(Pb)	207	209	He	6.238	ug/l	24.0		
Pb	208	209	He	6.371	ug/l	24.6	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1005261.02	1.2	104.0	70	120	
Sc (ISICPMS)	45	H2	1077730.09	0.7	102.1	70	120	
Sc (ISICPMS)	45	He	35217.36	24.5	88.5	70	120	
Ge (IS)	74	H2	299582.19	0.8	103.6	70	120	
Ge (IS)	74	He	31169.36	22.0	90.1	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	65759.84	23.3	88.1	70	120	
Tb (IS)	159	He	270795.01	22.5	88.0	70	120	
Bi (IS)	209	He	216383.10	20.8	87.9	70	120	

Sample Report

File Name 047SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:51:02

Sample Name **460-199763-I-1-D MS@2**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.894	ug/l	1.9	1000	
B	11	6	No Gas	129.141	ug/l	3.2	500	
Na	23	45	He	29394.501	ug/l	0.6	200000	
Mg	24	45	He	18786.788	ug/l	0.2	150000	
Al	27	45	He	515.012	ug/l	0.7	50000	
K	39	45	He	2692.157	ug/l	0.5	200000	
Ca	40	45	H2	32368.499	ug/l	0.6	150000	
Ti	47	45	He	10.666	ug/l	2.2	1000	
V	51	45	He	10.044	ug/l	1.1	2000	
Cr	52	45	He	10.068	ug/l	0.3	4000	
Mn	55	45	He	50.496	ug/l	1.3	5000	
Fe	56	45	H2	510.741	ug/l	0.4	100000	
Co	59	45	He	4.994	ug/l	2.5	1000	
Ni	60	45	He	10.183	ug/l	1.0	1000	
Cu	63	45	He	10.218	ug/l	0.5	1000	
Zn	66	45	He	190.071	ug/l	0.9	1000	
As	75	74	He	10.371	ug/l	0.9	2000	
Se	78	74	H2	10.457	ug/l	1.0	1000	
Sr	88	115	He	80.842	ug/l	0.4	2000	
Mo	95	115	He	10.278	ug/l	2.3	1000	
Ag	107	115	He	4.613	ug/l	2.7	100	
Cd	111	115	He	5.161	ug/l	3.3	2000	
Sn	118	115	He	10.056	ug/l	1.8	100	
Sb	121	115	He	5.290	ug/l	1.2	100	
Ba	137	159	He	35.106	ug/l	1.4	5000	
Tl	205	209	He	4.255	ug/l	0.5	1000	
(Pb)	206	209	He	5.401	ug/l	1.9		
(Pb)	207	209	He	5.099	ug/l	2.2		
Pb	208	209	He	5.280	ug/l	1.0	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1147594.83	2.5	118.7	70	120	
Sc (ISICPMS)	45	H2	1222721.96	0.5	115.8	70	120	
Sc (ISICPMS)	45	He	45562.90	0.5	114.5	70	120	
Ge (IS)	74	H2	337306.34	0.7	116.6	70	120	
Ge (IS)	74	He	39646.29	1.2	114.6	70	120	
Kr	83	He	20.02	86.6	120.0			
In-1	115	He	82825.07	1.3	111.0	70	120	
Tb (IS)	159	He	342287.12	0.4	111.2	70	120	
Bi (IS)	209	He	263224.10	0.8	107.0	70	120	

Sample Report

File Name 048SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:53:30

Sample Name **460-199763-I-1-C DU@2**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	401.0	1000	
B	11	6	No Gas	48.565	ug/l	0.5	500	
Na	23	45	He	31822.656	ug/l	0.4	200000	
Mg	24	45	He	20089.445	ug/l	0.4	150000	
Al	27	45	He	6.796	ug/l	3.0	50000	
K	39	45	He	2392.460	ug/l	0.8	200000	
Ca	40	45	H2	33875.230	ug/l	2.3	150000	
Ti	47	45	He	0.097	ug/l	23.7	1000	
V	51	45	He	0.165	ug/l	16.4	2000	
Cr	52	45	He	0.220	ug/l	25.0	4000	
Mn	55	45	He	1.489	ug/l	4.1	5000	
Fe	56	45	H2	2.182	ug/l	1.6	100000	
Co	59	45	He	0.070	ug/l	17.3	1000	
Ni	60	45	He	0.222	ug/l	10.9	1000	
Cu	63	45	He	0.410	ug/l	8.5	1000	
Zn	66	45	He	152.330	ug/l	0.5	1000	
As	75	74	He	0.041	ug/l	68.7	2000	
Se	78	74	H2	0.326	ug/l	12.9	1000	
Sr	88	115	He	77.121	ug/l	0.9	2000	
Mo	95	115	He	0.290	ug/l	15.0	1000	
Ag	107	115	He	0.008	ug/l	56.1	100	
Cd	111	115	He	0.006	ug/l	159.5	2000	
Sn	118	115	He	-0.017	ug/l	N/A	100	
Sb	121	115	He	0.069	ug/l	41.9	100	
Ba	137	159	He	26.753	ug/l	1.1	5000	
Tl	205	209	He	0.005	ug/l	53.1	1000	
(Pb)	206	209	He	-0.006	ug/l	N/A		
(Pb)	207	209	He	0.002	ug/l	161.1		
Pb	208	209	He	-0.001	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1125303.33	1.7	116.4	70	120	
Sc (ISICPMS)	45	H2	1244035.58	1.2	117.8	70	120	
Sc (ISICPMS)	45	He	45113.85	1.5	113.4	70	120	
Ge (IS)	74	H2	338136.96	1.3	116.9	70	120	
Ge (IS)	74	He	39792.25	0.4	115.1	70	120	
Kr	83	He	13.35	43.3	80.0			
In-1	115	He	82551.92	1.6	110.6	70	120	
Tb (IS)	159	He	343237.30	2.1	111.5	70	120	
Bi (IS)	209	He	261611.44	1.0	106.3	70	120	

Sample Report

File Name 049SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:55:58

Sample Name **460-199763-I-1-B@2**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.005	ug/l	N/A	1000	
B	11	6	No Gas	44.323	ug/l	1.4	500	
Na	23	45	He	30878.813	ug/l	2.0	200000	
Mg	24	45	He	19534.944	ug/l	1.4	150000	
Al	27	45	He	1.943	ug/l	41.1	50000	
K	39	45	He	2323.855	ug/l	1.6	200000	
Ca	40	45	H2	33284.274	ug/l	1.0	150000	
Ti	47	45	He	0.062	ug/l	99.1	1000	
V	51	45	He	0.090	ug/l	20.6	2000	
Cr	52	45	He	0.218	ug/l	6.3	4000	
Mn	55	45	He	1.128	ug/l	6.6	5000	
Fe	56	45	H2	0.934	ug/l	3.8	100000	
Co	59	45	He	0.061	ug/l	8.2	1000	
Ni	60	45	He	0.219	ug/l	6.8	1000	
Cu	63	45	He	0.386	ug/l	7.8	1000	
Zn	66	45	He	43.091	ug/l	2.7	1000	
As	75	74	He	0.041	ug/l	38.0	2000	
Se	78	74	H2	0.257	ug/l	22.5	1000	
Sr	88	115	He	75.063	ug/l	1.0	2000	
Mo	95	115	He	0.248	ug/l	2.1	1000	
Ag	107	115	He	0.005	ug/l	88.7	100	
Cd	111	115	He	0.000	ug/l	1179.9	2000	
Sn	118	115	He	-0.032	ug/l	N/A	100	
Sb	121	115	He	0.035	ug/l	11.5	100	
Ba	137	159	He	26.180	ug/l	1.4	5000	
Tl	205	209	He	0.005	ug/l	41.5	1000	
(Pb)	206	209	He	-0.008	ug/l	N/A		
(Pb)	207	209	He	-0.004	ug/l	N/A		
Pb	208	209	He	-0.003	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1185207.44	0.2	122.6	70	120	fail
Sc (ISICPMS)	45	H2	1164380.49	0.3	110.3	70	120	
Sc (ISICPMS)	45	He	42703.45	2.3	107.3	70	120	
Ge (IS)	74	H2	317305.96	0.2	109.7	70	120	
Ge (IS)	74	He	36990.63	1.3	107.0	70	120	
Kr	83	He	6.67	173.2	40.0			
In-1	115	He	76944.76	1.2	103.1	70	120	
Tb (IS)	159	He	316665.14	1.8	102.9	70	120	
Bi (IS)	209	He	243568.21	1.4	99.0	70	120	

Sample Report

File Name 050SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 17:58:28

Sample Name **SD 460-199763-I-1-B@10**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	1000	
B	11	6	No Gas	16.208	ug/l	9.4	500	
Na	23	45	He	6216.327	ug/l	1.1	200000	
Mg	24	45	He	3891.299	ug/l	0.8	150000	
Al	27	45	He	1.546	ug/l	30.0	50000	
K	39	45	He	462.710	ug/l	1.5	200000	
Ca	40	45	H2	6657.132	ug/l	1.4	150000	
Ti	47	45	He	0.047	ug/l	15.6	1000	
V	51	45	He	0.034	ug/l	2.1	2000	
Cr	52	45	He	0.063	ug/l	11.4	4000	
Mn	55	45	He	0.229	ug/l	10.1	5000	
Fe	56	45	H2	0.658	ug/l	7.3	100000	
Co	59	45	He	0.011	ug/l	21.8	1000	
Ni	60	45	He	0.049	ug/l	28.1	1000	
Cu	63	45	He	0.173	ug/l	10.2	1000	
Zn	66	45	He	9.407	ug/l	1.4	1000	
As	75	74	He	0.010	ug/l	128.5	2000	
Se	78	74	H2	0.038	ug/l	77.7	1000	
Sr	88	115	He	15.218	ug/l	1.0	2000	
Mo	95	115	He	0.048	ug/l	6.4	1000	
Ag	107	115	He	0.006	ug/l	32.4	100	
Cd	111	115	He	0.000	ug/l	N/A	2000	
Sn	118	115	He	-0.002	ug/l	N/A	100	
Sb	121	115	He	0.041	ug/l	25.3	100	
Ba	137	159	He	5.306	ug/l	3.2	5000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
(Pb)	206	209	He	-0.014	ug/l	N/A		
(Pb)	207	209	He	-0.015	ug/l	N/A		
Pb	208	209	He	-0.013	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1103596.69	1.7	114.1	70	120	
Sc (ISICPMS)	45	H2	1185115.66	0.7	112.2	70	120	
Sc (ISICPMS)	45	He	44440.62	1.7	111.7	70	120	
Ge (IS)	74	H2	328089.94	0.5	113.4	70	120	
Ge (IS)	74	He	39214.03	0.6	113.4	70	120	
Kr	83	He	16.68	124.9	100.0			
In-1	115	He	81028.73	1.6	108.6	70	120	
Tb (IS)	159	He	331241.29	0.7	107.6	70	120	
Bi (IS)	209	He	260166.03	1.4	105.7	70	120	

Sample Report

File Name 051SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:00:56

Sample Name **460-199763-I-2-B@2**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	1000	
B	11	6	No Gas	22.058	ug/l	1.9	500	
Na	23	45	He	25693.180	ug/l	1.0	200000	
Mg	24	45	He	19693.758	ug/l	0.8	150000	
Al	27	45	He	1.706	ug/l	18.4	50000	
K	39	45	He	2731.888	ug/l	0.4	200000	
Ca	40	45	H2	34636.624	ug/l	1.5	150000	
Ti	47	45	He	0.036	ug/l	115.3	1000	
V	51	45	He	0.055	ug/l	21.9	2000	
Cr	52	45	He	0.624	ug/l	3.7	4000	
Mn	55	45	He	0.386	ug/l	4.4	5000	
Fe	56	45	H2	0.273	ug/l	11.2	100000	
Co	59	45	He	0.039	ug/l	10.8	1000	
Ni	60	45	He	0.158	ug/l	8.5	1000	
Cu	63	45	He	0.303	ug/l	2.2	1000	
Zn	66	45	He	36.265	ug/l	0.9	1000	
As	75	74	He	0.034	ug/l	23.4	2000	
Se	78	74	H2	0.878	ug/l	15.0	1000	
Sr	88	115	He	72.258	ug/l	0.5	2000	
Mo	95	115	He	0.262	ug/l	9.8	1000	
Ag	107	115	He	-0.009	ug/l	N/A	100	
Cd	111	115	He	0.021	ug/l	96.4	2000	
Sn	118	115	He	-0.045	ug/l	N/A	100	
Sb	121	115	He	0.031	ug/l	13.5	100	
Ba	137	159	He	23.570	ug/l	0.4	5000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
(Pb)	206	209	He	-0.005	ug/l	N/A		
(Pb)	207	209	He	-0.002	ug/l	N/A		
Pb	208	209	He	-0.004	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1192405.76	0.4	123.3	70	120	fail
Sc (ISICPMS)	45	H2	1286587.83	1.3	121.9	70	120	fail
Sc (ISICPMS)	45	He	46464.48	2.3	116.8	70	120	
Ge (IS)	74	H2	350954.69	1.1	121.4	70	120	fail
Ge (IS)	74	He	40731.43	1.9	117.8	70	120	
Kr	83	He	20.02	NaN	120.0			
In-1	115	He	84071.19	1.9	112.7	70	120	
Tb (IS)	159	He	346968.88	2.2	112.7	70	120	
Bi (IS)	209	He	267997.66	1.3	108.9	70	120	

Sample Report

File Name 052SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:03:25

Sample Name **460-199763-E-3-B@2**

Comment ---

Dilution **1.0000**

Vial # 2308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	1000	
B	11	6	No Gas	69.130	ug/l	3.8	500	
Na	23	45	He	25339.749	ug/l	1.0	200000	
Mg	24	45	He	27707.172	ug/l	0.4	150000	
Al	27	45	He	1.426	ug/l	18.8	50000	
K	39	45	He	2723.502	ug/l	0.7	200000	
Ca	40	45	H2	37676.899	ug/l	1.6	150000	
Ti	47	45	He	0.033	ug/l	139.6	1000	
V	51	45	He	0.026	ug/l	40.9	2000	
Cr	52	45	He	0.023	ug/l	45.6	4000	
Mn	55	45	He	224.874	ug/l	0.9	5000	
Fe	56	45	H2	2.924	ug/l	0.1	100000	
Co	59	45	He	0.448	ug/l	4.8	1000	
Ni	60	45	He	0.839	ug/l	7.5	1000	
Cu	63	45	He	0.059	ug/l	12.4	1000	
Zn	66	45	He	19.552	ug/l	1.9	1000	
As	75	74	He	0.075	ug/l	15.7	2000	
Se	78	74	H2	0.053	ug/l	58.0	1000	
Sr	88	115	He	82.752	ug/l	0.9	2000	
Mo	95	115	He	0.654	ug/l	12.8	1000	
Ag	107	115	He	-0.009	ug/l	N/A	100	
Cd	111	115	He	0.002	ug/l	551.7	2000	
Sn	118	115	He	-0.031	ug/l	N/A	100	
Sb	121	115	He	0.004	ug/l	301.3	100	
Ba	137	159	He	67.360	ug/l	1.7	5000	
Tl	205	209	He	0.002	ug/l	152.1	1000	
(Pb)	206	209	He	-0.022	ug/l	N/A		
(Pb)	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.017	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1088689.13	0.3	112.6	70	120	
Sc (ISICPMS)	45	H2	1159377.14	0.3	109.8	70	120	
Sc (ISICPMS)	45	He	42921.89	1.5	107.8	70	120	
Ge (IS)	74	H2	314845.30	0.5	108.9	70	120	
Ge (IS)	74	He	37574.29	2.7	108.6	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	78106.54	1.4	104.7	70	120	
Tb (IS)	159	He	320689.95	1.4	104.2	70	120	
Bi (IS)	209	He	249153.23	0.7	101.3	70	120	

Sample Report

File Name 053SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:05:54

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	1000	
B	11	6	No Gas	7.829	ug/l	20.4	500	
Na	23	45	He	22.531	ug/l	10.1	200000	
Mg	24	45	He	4.502	ug/l	3.2	150000	
Al	27	45	He	0.321	ug/l	24.5	50000	
K	39	45	He	7.991	ug/l	33.9	200000	
Ca	40	45	H2	8.785	ug/l	1.9	150000	
Ti	47	45	He	-0.021	ug/l	N/A	1000	
V	51	45	He	0.034	ug/l	18.6	2000	
Cr	52	45	He	-0.001	ug/l	N/A	4000	
Mn	55	45	He	0.086	ug/l	20.5	5000	
Fe	56	45	H2	0.956	ug/l	1.4	100000	
Co	59	45	He	0.003	ug/l	68.3	1000	
Ni	60	45	He	-0.003	ug/l	N/A	1000	
Cu	63	45	He	0.002	ug/l	619.0	1000	
Zn	66	45	He	0.021	ug/l	132.4	1000	
As	75	74	He	-0.015	ug/l	N/A	2000	
Se	78	74	H2	0.016	ug/l	83.9	1000	
Sr	88	115	He	0.040	ug/l	24.8	2000	
Mo	95	115	He	0.033	ug/l	39.1	1000	
Ag	107	115	He	-0.003	ug/l	N/A	100	
Cd	111	115	He	-0.003	ug/l	N/A	2000	
Sn	118	115	He	0.014	ug/l	15.8	100	
Sb	121	115	He	0.037	ug/l	74.9	100	
Ba	137	159	He	0.031	ug/l	14.4	5000	
Tl	205	209	He	0.000	ug/l	456.9	1000	
(Pb)	206	209	He	-0.027	ug/l	N/A		
(Pb)	207	209	He	-0.027	ug/l	N/A		
Pb	208	209	He	-0.026	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1090780.17	0.4	112.8	70	120	
Sc (ISICPMS)	45	H2	1116146.48	1.0	105.7	70	120	
Sc (ISICPMS)	45	He	41899.05	3.9	105.3	70	120	
Ge (IS)	74	H2	300402.05	0.7	103.9	70	120	
Ge (IS)	74	He	35421.22	2.7	102.4	70	120	
Kr	83	He	20.02	50.0	120.0			
In-1	115	He	76443.78	4.0	102.5	70	120	
Tb (IS)	159	He	311706.31	3.2	101.2	70	120	
Bi (IS)	209	He	245988.13	3.1	100.0	70	120	

Sample Report

File Name 054SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:08:22

Sample Name **460-199763-I-4-B@2**

Comment ---

Dilution **1.0000**

Vial # 2309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	1000	
B	11	6	No Gas	9.337	ug/l	11.0	500	
Na	23	45	He	69693.726	ug/l	1.5	200000	
Mg	24	45	He	9755.783	ug/l	1.1	150000	
Al	27	45	He	1.729	ug/l	31.6	50000	
K	39	45	He	1081.048	ug/l	1.1	200000	
Ca	40	45	H2	19786.327	ug/l	1.3	150000	
Ti	47	45	He	0.050	ug/l	25.6	1000	
V	51	45	He	0.146	ug/l	4.8	2000	
Cr	52	45	He	0.264	ug/l	2.4	4000	
Mn	55	45	He	9.757	ug/l	2.1	5000	
Fe	56	45	H2	1.332	ug/l	10.4	100000	
Co	59	45	He	0.052	ug/l	11.0	1000	
Ni	60	45	He	0.162	ug/l	6.0	1000	
Cu	63	45	He	0.635	ug/l	1.8	1000	
Zn	66	45	He	15.551	ug/l	3.4	1000	
As	75	74	He	0.063	ug/l	34.0	2000	
Se	78	74	H2	0.153	ug/l	23.5	1000	
Sr	88	115	He	39.502	ug/l	0.6	2000	
Mo	95	115	He	0.401	ug/l	7.4	1000	
Ag	107	115	He	-0.009	ug/l	N/A	100	
Cd	111	115	He	0.028	ug/l	40.0	2000	
Sn	118	115	He	-0.031	ug/l	N/A	100	
Sb	121	115	He	0.109	ug/l	10.5	100	
Ba	137	159	He	10.961	ug/l	2.4	5000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
(Pb)	206	209	He	-0.006	ug/l	N/A		
(Pb)	207	209	He	-0.004	ug/l	N/A		
Pb	208	209	He	-0.005	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1183272.76	0.5	122.4	70	120	fail
Sc (ISICPMS)	45	H2	1238203.21	0.6	117.3	70	120	
Sc (ISICPMS)	45	He	47570.15	1.9	119.5	70	120	
Ge (IS)	74	H2	335987.50	0.5	116.2	70	120	
Ge (IS)	74	He	41601.57	0.9	120.3	70	120	fail
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	85715.85	0.7	114.9	70	120	
Tb (IS)	159	He	350454.85	0.8	113.8	70	120	
Bi (IS)	209	He	267876.17	0.2	108.9	70	120	

Continuing Calibration Verification (CCV)

File Name 055_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:10:50

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.216	ug/l	2.5	50	45	55	
B	11	6	No Gas	99.382	ug/l	4.3	100	90	110	
Na	23	45	He	5101.458	ug/l	0.2	5000	4500	5500	
Mg	24	45	He	5077.661	ug/l	0.3	5000	4500	5500	
Al	27	45	He	513.845	ug/l	1.8	500	450	550	
K	39	45	He	5051.041	ug/l	0.4	5000	4500	5500	
Ca	40	45	H2	5096.774	ug/l	1.0	5000	4500	5500	
Ti	47	45	He	50.768	ug/l	1.3	50	45	55	
V	51	45	He	50.228	ug/l	0.7	50	45	55	
Cr	52	45	He	50.163	ug/l	0.8	50	45	55	
Mn	55	45	He	499.437	ug/l	0.2	500	450	550	
Fe	56	45	H2	5071.007	ug/l	1.9				
Co	59	45	He	49.651	ug/l	0.2	50	45	55	
Ni	60	45	He	49.683	ug/l	1.1	50	45	55	
Cu	63	45	He	49.527	ug/l	0.7	50	45	55	
Zn	66	45	He	50.031	ug/l	0.4	50	45	55	
As	75	74	He	50.508	ug/l	2.2	50	45	55	
Se	78	74	H2	50.393	ug/l	0.8	50	45	55	
Sr	88	115	He	50.520	ug/l	0.4	50	45	55	
Mo	95	115	He	50.108	ug/l	0.5	50	45	55	
Ag	107	115	He	50.798	ug/l	1.0	50	45	55	
Cd	111	115	He	50.968	ug/l	1.2	50	45	55	
Sn	118	115	He	50.758	ug/l	0.9	50	45	55	
Sb	121	115	He	48.963	ug/l	0.9	50	45	55	
Ba	137	159	He	51.449	ug/l	0.4	50	45	55	
Tl	205	209	He	10.380	ug/l	0.6	10	9	11	
(Pb)	206	209	He	51.788	ug/l	1.3				
(Pb)	207	209	He	52.268	ug/l	1.1				
Pb	208	209	He	51.971	ug/l	0.8	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1111140.24	0.6	114.9	70	120	
Sc (ISICPMS)	45	H2	1163130.76	1.2	110.2	70	120	
Sc (ISICPMS)	45	He	43096.81	1.0	108.3	70	120	
Ge (IS)	74	H2	322708.60	1.5	111.6	70	120	
Ge (IS)	74	He	37849.35	2.5	109.4	70	120	
Kr	83	He	6.67	86.6	40.0			
In-1	115	He	78992.78	1.5	105.9	70	120	
Tb (IS)	159	He	327574.42	1.3	106.4	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	261952.68	0.8	106.5	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 056_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:13:19

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.025	ug/l	6.8	0.2	-0.2	0.2	
B	11	6	No Gas	7.335	ug/l	18.3	20	-20	20	
Na	23	45	He	7.644	ug/l	3.1	50	-50	50	
Mg	24	45	He	2.865	ug/l	12.1	50	-50	50	
Al	27	45	He	0.453	ug/l	3.2	10	-10	10	
K	39	45	He	5.681	ug/l	80.6	50	-50	50	
Ca	40	45	H2	2.141	ug/l	10.1	50	-50	50	
Ti	47	45	He	-0.005	ug/l	N/A	1	-1	1	
V	51	45	He	0.024	ug/l	42.9	1	-1	1	
Cr	52	45	He	0.016	ug/l	76.6	1	-1	1	
Mn	55	45	He	0.251	ug/l	19.7	2	-2	2	
Fe	56	45	H2	2.492	ug/l	1.4				
Co	59	45	He	0.021	ug/l	12.9	1	-1	1	
Ni	60	45	He	0.036	ug/l	60.8	1	-1	1	
Cu	63	45	He	0.032	ug/l	29.7	1	-1	1	
Zn	66	45	He	0.015	ug/l	186.9	4	-4	4	
As	75	74	He	0.020	ug/l	152.4	0.5	-0.5	0.5	
Se	78	74	H2	0.028	ug/l	115.1	0.5	-0.5	0.5	
Sr	88	115	He	0.028	ug/l	29.4	1	-1	1	
Mo	95	115	He	0.033	ug/l	4.8	1	-1	1	
Ag	107	115	He	0.072	ug/l	9.1	1	-1	1	
Cd	111	115	He	0.018	ug/l	71.4	0.5	-0.5	0.5	
Sn	118	115	He	0.016	ug/l	130.1	4	-4	4	
Sb	121	115	He	0.155	ug/l	24.4	0.5	-0.5	0.5	
Ba	137	159	He	0.034	ug/l	23.0	1	-1	1	
Tl	205	209	He	0.003	ug/l	26.8	0.2	-0.2	0.2	
(Pb)	206	209	He	-0.008	ug/l	N/A				
(Pb)	207	209	He	-0.002	ug/l	N/A				
Pb	208	209	He	-0.003	ug/l	N/A	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1111124.35	0.6	114.9	70	120	
Sc (ISICPMS)	45	H2	1164086.60	0.3	110.3	70	120	
Sc (ISICPMS)	45	He	42346.88	1.0	106.4	70	120	
Ge (IS)	74	H2	313757.92	0.5	108.5	70	120	
Ge (IS)	74	He	36049.35	0.4	104.2	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	79075.30	1.9	106.0	70	120	
Tb (IS)	159	He	327489.09	1.3	106.4	70	120	
Bi (IS)	209	He	259967.46	1.0	105.7	70	120	

Sample Report

File Name 057SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:15:47

Sample Name **460-199763-I-5-B@2**

Comment ---

Dilution **1.0000**

Vial # 2310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	1000	
B	11	6	No Gas	49.493	ug/l	3.7	500	
Na	23	45	He	19708.299	ug/l	0.3	200000	
Mg	24	45	He	31813.758	ug/l	0.7	150000	
Al	27	45	He	1.555	ug/l	15.3	50000	
K	39	45	He	2146.234	ug/l	1.1	200000	
Ca	40	45	H2	47207.150	ug/l	0.3	150000	
Ti	47	45	He	0.040	ug/l	56.2	1000	
V	51	45	He	0.134	ug/l	11.1	2000	
Cr	52	45	He	0.149	ug/l	11.8	4000	
Mn	55	45	He	39.303	ug/l	0.9	5000	
Fe	56	45	H2	10.458	ug/l	3.2	100000	
Co	59	45	He	0.125	ug/l	15.4	1000	
Ni	60	45	He	0.629	ug/l	8.3	1000	
Cu	63	45	He	0.371	ug/l	10.0	1000	
Zn	66	45	He	19.598	ug/l	2.7	1000	
As	75	74	He	0.036	ug/l	78.0	2000	
Se	78	74	H2	0.819	ug/l	12.4	1000	
Sr	88	115	He	83.285	ug/l	0.8	2000	
Mo	95	115	He	0.248	ug/l	1.4	1000	
Ag	107	115	He	0.005	ug/l	136.7	100	
Cd	111	115	He	0.021	ug/l	72.2	2000	
Sn	118	115	He	-0.035	ug/l	N/A	100	
Sb	121	115	He	0.035	ug/l	82.2	100	
Ba	137	159	He	24.441	ug/l	2.5	5000	
Tl	205	209	He	0.059	ug/l	1.4	1000	
(Pb)	206	209	He	-0.008	ug/l	N/A		
(Pb)	207	209	He	0.005	ug/l	34.8		
Pb	208	209	He	-0.001	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1189287.82	0.5	123.0	70	120	fail
Sc (ISICPMS)	45	H2	1262860.89	1.0	119.6	70	120	
Sc (ISICPMS)	45	He	46136.88	1.6	115.9	70	120	
Ge (IS)	74	H2	346290.47	0.4	119.7	70	120	
Ge (IS)	74	He	40441.82	2.2	116.9	70	120	
Kr	83	He	20.02	86.6	120.0			
In-1	115	He	84107.95	1.2	112.7	70	120	
Tb (IS)	159	He	350424.93	1.4	113.8	70	120	
Bi (IS)	209	He	270593.53	0.6	110.0	70	120	

Sample Report

File Name 058SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:18:18

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	616.8	1000	
B	11	6	No Gas	4.665	ug/l	28.3	500	
Na	23	45	He	21.079	ug/l	10.9	200000	
Mg	24	45	He	4.064	ug/l	7.2	150000	
Al	27	45	He	-0.126	ug/l	N/A	50000	
K	39	45	He	2.565	ug/l	304.4	200000	
Ca	40	45	H2	17.744	ug/l	99.5	150000	
Ti	47	45	He	-0.022	ug/l	N/A	1000	
V	51	45	He	0.021	ug/l	5.6	2000	
Cr	52	45	He	0.007	ug/l	152.0	4000	
Mn	55	45	He	0.081	ug/l	15.8	5000	
Fe	56	45	H2	1.262	ug/l	45.1	100000	
Co	59	45	He	0.002	ug/l	162.1	1000	
Ni	60	45	He	0.003	ug/l	323.5	1000	
Cu	63	45	He	0.008	ug/l	188.1	1000	
Zn	66	45	He	-0.035	ug/l	N/A	1000	
As	75	74	He	-0.004	ug/l	N/A	2000	
Se	78	74	H2	0.015	ug/l	132.5	1000	
Sr	88	115	He	0.025	ug/l	58.1	2000	
Mo	95	115	He	0.033	ug/l	27.0	1000	
Ag	107	115	He	0.019	ug/l	3.0	100	
Cd	111	115	He	0.000	ug/l	12872.1	2000	
Sn	118	115	He	0.022	ug/l	82.6	100	
Sb	121	115	He	0.070	ug/l	10.4	100	
Ba	137	159	He	0.019	ug/l	36.5	5000	
Tl	205	209	He	0.000	ug/l	363.2	1000	
(Pb)	206	209	He	-0.030	ug/l	N/A		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.027	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1098012.78	0.4	113.6	70	120	
Sc (ISICPMS)	45	H2	1140481.77	0.7	108.0	70	120	
Sc (ISICPMS)	45	He	42579.76	0.7	107.0	70	120	
Ge (IS)	74	H2	309006.44	0.5	106.8	70	120	
Ge (IS)	74	He	36230.90	1.5	104.8	70	120	
Kr	83	He	20.02	86.6	120.0			
In-1	115	He	78586.82	1.5	105.3	70	120	
Tb (IS)	159	He	320219.65	1.0	104.0	70	120	
Bi (IS)	209	He	255158.35	2.0	103.7	70	120	

Sample Report

File Name 059SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:21:12

Sample Name **460-199369-E-1-B@2**

Comment ---

Dilution **1.0000**

Vial # 2311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	1000	
B	11	6	No Gas	74.824	ug/l	3.6	500	
Na	23	45	He	456178.889	ug/l	1.0	200000	>6020B LDR□>200.8 LDR
Mg	24	45	He	7004.434	ug/l	1.0	150000	
Al	27	45	He	5.033	ug/l	8.9	50000	
K	39	45	He	12409.637	ug/l	1.1	200000	
Ca	40	45	H2	91325.405	ug/l	0.7	150000	
Ti	47	45	He	0.220	ug/l	39.9	1000	
V	51	45	He	0.434	ug/l	11.1	2000	
Cr	52	45	He	0.082	ug/l	25.4	4000	
Mn	55	45	He	2522.653	ug/l	0.9	5000	>200.8 LDR
Fe	56	45	H2	2645.921	ug/l	0.6	100000	
Co	59	45	He	1.373	ug/l	2.0	1000	
Ni	60	45	He	0.416	ug/l	4.9	1000	
Cu	63	45	He	0.250	ug/l	7.9	1000	
Zn	66	45	He	6.772	ug/l	1.5	1000	
As	75	74	He	1.352	ug/l	3.8	2000	
Se	78	74	H2	0.163	ug/l	30.9	1000	
Sr	88	115	He	397.461	ug/l	0.6	2000	
Mo	95	115	He	7.080	ug/l	1.0	1000	
Ag	107	115	He	-0.012	ug/l	N/A	100	
Cd	111	115	He	0.003	ug/l	152.4	2000	
Sn	118	115	He	-0.025	ug/l	N/A	100	
Sb	121	115	He	0.061	ug/l	14.4	100	
Ba	137	159	He	57.584	ug/l	1.4	5000	
Tl	205	209	He	0.002	ug/l	50.6	1000	
(Pb)	206	209	He	-0.018	ug/l	N/A		
(Pb)	207	209	He	-0.016	ug/l	N/A		
Pb	208	209	He	-0.010	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1130222.83	0.4	116.9	70	120	
Sc (ISICPMS)	45	H2	1254424.25	2.1	118.8	70	120	
Sc (ISICPMS)	45	He	46719.81	0.8	117.4	70	120	
Ge (IS)	74	H2	316411.21	1.7	109.4	70	120	
Ge (IS)	74	He	39403.36	0.9	113.9	70	120	
Kr	83	He	26.69	78.1	160.0			
In-1	115	He	80373.06	0.6	107.7	70	120	
Tb (IS)	159	He	337654.51	0.4	109.7	70	120	
Bi (IS)	209	He	244135.91	1.1	99.2	70	120	

Continuing Calibration Verification (CCV)

File Name 060_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:23:40

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.330	ug/l	2.5	50	45	55	
B	11	6	No Gas	102.094	ug/l	4.0	100	90	110	
Na	23	45	He	5141.521	ug/l	0.3	5000	4500	5500	
Mg	24	45	He	5083.751	ug/l	0.3	5000	4500	5500	
Al	27	45	He	515.360	ug/l	0.5	500	450	550	
K	39	45	He	5102.820	ug/l	0.2	5000	4500	5500	
Ca	40	45	H2	5188.241	ug/l	0.6	5000	4500	5500	
Ti	47	45	He	49.717	ug/l	3.2	50	45	55	
V	51	45	He	49.474	ug/l	0.4	50	45	55	
Cr	52	45	He	49.538	ug/l	0.8	50	45	55	
Mn	55	45	He	498.157	ug/l	0.7	500	450	550	
Fe	56	45	H2	5008.250	ug/l	0.8				
Co	59	45	He	49.048	ug/l	0.4	50	45	55	
Ni	60	45	He	48.795	ug/l	0.7	50	45	55	
Cu	63	45	He	48.625	ug/l	0.5	50	45	55	
Zn	66	45	He	48.722	ug/l	1.9	50	45	55	
As	75	74	He	51.475	ug/l	1.3	50	45	55	
Se	78	74	H2	50.245	ug/l	1.8	50	45	55	
Sr	88	115	He	51.419	ug/l	0.6	50	45	55	
Mo	95	115	He	50.450	ug/l	2.2	50	45	55	
Ag	107	115	He	50.348	ug/l	1.4	50	45	55	
Cd	111	115	He	50.699	ug/l	1.5	50	45	55	
Sn	118	115	He	50.877	ug/l	1.3	50	45	55	
Sb	121	115	He	48.995	ug/l	0.5	50	45	55	
Ba	137	159	He	51.778	ug/l	0.6	50	45	55	
Tl	205	209	He	10.399	ug/l	0.4	10	9	11	
(Pb)	206	209	He	52.079	ug/l	1.2				
(Pb)	207	209	He	52.073	ug/l	1.2				
Pb	208	209	He	52.045	ug/l	0.9	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1184876.68	0.6	122.5	70	120	fail
Sc (ISICPMS)	45	H2	1214922.50	0.7	115.1	70	120	
Sc (ISICPMS)	45	He	46392.06	1.3	116.6	70	120	
Ge (IS)	74	H2	333743.51	0.0	115.4	70	120	
Ge (IS)	74	He	39681.95	1.1	114.7	70	120	
Kr	83	He	16.68	69.3	100.0			
In-1	115	He	81926.71	2.4	109.8	70	120	
Tb (IS)	159	He	331435.03	1.1	107.7	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	262291.90	0.6	106.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 061_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:26:08

Sample Name **CCB**

Comment ---

Dilution 1.0000

Results Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.032	ug/l	2.6	0.2	-0.2	0.2	
B	11	6	No Gas	8.222	ug/l	19.4	20	-20	20	
Na	23	45	He	28.675	ug/l	7.2	50	-50	50	
Mg	24	45	He	3.549	ug/l	15.0	50	-50	50	
Al	27	45	He	0.465	ug/l	157.4	10	-10	10	
K	39	45	He	3.132	ug/l	108.6	50	-50	50	
Ca	40	45	H2	4.479	ug/l	4.6	50	-50	50	
Ti	47	45	He	0.024	ug/l	97.2	1	-1	1	
V	51	45	He	0.030	ug/l	29.5	1	-1	1	
Cr	52	45	He	0.024	ug/l	32.0	1	-1	1	
Mn	55	45	He	0.307	ug/l	8.4	2	-2	2	
Fe	56	45	H2	3.157	ug/l	0.5				
Co	59	45	He	0.028	ug/l	32.0	1	-1	1	
Ni	60	45	He	0.024	ug/l	22.0	1	-1	1	
Cu	63	45	He	0.029	ug/l	8.8	1	-1	1	
Zn	66	45	He	-0.081	ug/l	N/A	4	-4	4	
As	75	74	He	0.017	ug/l	46.4	0.5	-0.5	0.5	
Se	78	74	H2	0.042	ug/l	52.7	0.5	-0.5	0.5	
Sr	88	115	He	0.041	ug/l	9.1	1	-1	1	
Mo	95	115	He	0.030	ug/l	31.4	1	-1	1	
Ag	107	115	He	0.082	ug/l	6.4	1	-1	1	
Cd	111	115	He	0.029	ug/l	55.6	0.5	-0.5	0.5	
Sn	118	115	He	0.027	ug/l	98.7	4	-4	4	
Sb	121	115	He	0.188	ug/l	14.2	0.5	-0.5	0.5	
Ba	137	159	He	0.041	ug/l	22.0	1	-1	1	
Tl	205	209	He	0.004	ug/l	10.5	0.2	-0.2	0.2	
(Pb)	206	209	He	-0.001	ug/l	N/A				
(Pb)	207	209	He	0.001	ug/l	1014.4				
Pb	208	209	He	0.001	ug/l	131.3	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1176554.99	0.2	121.7	70	120	fail
Sc (ISICPMS)	45	H2	1216049.07	0.5	115.2	70	120	
Sc (ISICPMS)	45	He	46175.85	1.9	116.0	70	120	
Ge (IS)	74	H2	322088.62	0.6	111.4	70	120	
Ge (IS)	74	He	38145.67	1.8	110.3	70	120	
Kr	83	He	26.69	94.4	160.0			
In-1	115	He	82583.60	2.0	110.7	70	120	
Tb (IS)	159	He	334929.89	1.1	108.8	70	120	
Bi (IS)	209	He	263927.20	1.0	107.3	70	120	

Sample Report

File Name 062SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:28:36

Sample Name **MB 460-666158/1-B**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	1000	
B	11	6	No Gas	4.688	ug/l	31.2	500	
Na	23	45	He	17.215	ug/l	7.3	200000	
Mg	24	45	He	0.447	ug/l	59.5	150000	
Al	27	45	He	0.198	ug/l	258.5	50000	
K	39	45	He	1.354	ug/l	308.0	200000	
Ca	40	45	H2	0.142	ug/l	31.9	150000	
Ti	47	45	He	-0.022	ug/l	N/A	1000	
V	51	45	He	0.002	ug/l	325.2	2000	
Cr	52	45	He	-0.013	ug/l	N/A	4000	
Mn	55	45	He	0.043	ug/l	6.4	5000	
Fe	56	45	H2	0.240	ug/l	12.5	100000	
Co	59	45	He	0.001	ug/l	189.2	1000	
Ni	60	45	He	0.005	ug/l	223.5	1000	
Cu	63	45	He	-0.004	ug/l	N/A	1000	
Zn	66	45	He	-0.085	ug/l	N/A	1000	
As	75	74	He	-0.009	ug/l	N/A	2000	
Se	78	74	H2	0.002	ug/l	425.9	1000	
Sr	88	115	He	0.005	ug/l	2.4	2000	
Mo	95	115	He	0.005	ug/l	43.5	1000	
Ag	107	115	He	0.027	ug/l	5.0	100	
Cd	111	115	He	0.001	ug/l	374.2	2000	
Sn	118	115	He	-0.004	ug/l	N/A	100	
Sb	121	115	He	0.097	ug/l	18.4	100	
Ba	137	159	He	0.000	ug/l	N/A	5000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
(Pb)	206	209	He	-0.034	ug/l	N/A		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.028	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1150987.55	0.5	119.0	70	120	
Sc (ISICPMS)	45	H2	1183402.87	1.0	112.1	70	120	
Sc (ISICPMS)	45	He	45032.41	1.4	113.2	70	120	
Ge (IS)	74	H2	317200.53	0.5	109.7	70	120	
Ge (IS)	74	He	37697.94	3.2	109.0	70	120	
Kr	83	He	16.68	34.6	100.0			
In-1	115	He	81487.90	1.2	109.2	70	120	
Tb (IS)	159	He	330483.30	1.1	107.3	70	120	
Bi (IS)	209	He	261232.92	0.9	106.2	70	120	

Sample Report

File Name 063SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:31:05

Sample Name **LCS 460-666161/2-A**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.011	ug/l	2.3	1000	
B	11	6	No Gas	101.287	ug/l	4.1	500	
Na	23	45	He	538.514	ug/l	1.6	200000	
Mg	24	45	He	520.471	ug/l	2.5	150000	
Al	27	45	He	531.435	ug/l	1.7	50000	
K	39	45	He	524.011	ug/l	2.5	200000	
Ca	40	45	H2	581.363	ug/l	0.8	150000	
Ti	47	45	He	10.484	ug/l	2.0	1000	
V	51	45	He	10.005	ug/l	0.9	2000	
Cr	52	45	He	10.235	ug/l	1.0	4000	
Mn	55	45	He	50.831	ug/l	1.1	5000	
Fe	56	45	H2	530.295	ug/l	1.2	100000	
Co	59	45	He	5.144	ug/l	4.6	1000	
Ni	60	45	He	10.252	ug/l	2.9	1000	
Cu	63	45	He	10.534	ug/l	0.9	1000	
Zn	66	45	He	51.547	ug/l	0.9	1000	
As	75	74	He	10.596	ug/l	2.1	2000	
Se	78	74	H2	10.445	ug/l	2.5	1000	
Sr	88	115	He	10.241	ug/l	0.3	2000	
Mo	95	115	He	9.960	ug/l	1.6	1000	
Ag	107	115	He	4.904	ug/l	1.1	100	
Cd	111	115	He	5.112	ug/l	1.1	2000	
Sn	118	115	He	10.285	ug/l	2.3	100	
Sb	121	115	He	5.244	ug/l	0.8	100	
Ba	137	159	He	10.512	ug/l	2.0	5000	
Tl	205	209	He	4.236	ug/l	2.2	1000	
(Pb)	206	209	He	5.402	ug/l	1.8		
(Pb)	207	209	He	5.291	ug/l	1.1		
Pb	208	209	He	5.338	ug/l	0.7	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1101761.88	0.6	113.9	70	120	
Sc (ISICPMS)	45	H2	1130046.73	0.1	107.0	70	120	
Sc (ISICPMS)	45	He	42968.68	1.8	108.0	70	120	
Ge (IS)	74	H2	309019.27	0.6	106.9	70	120	
Ge (IS)	74	He	36958.30	1.3	106.9	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	78393.32	0.7	105.1	70	120	
Tb (IS)	159	He	319649.00	1.4	103.8	70	120	
Bi (IS)	209	He	253644.90	0.8	103.1	70	120	

Sample Report

File Name 064SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:33:36

Sample Name **460-199813-G-1-D MS@2**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.178	ug/l	3.7	1000	
B	11	6	No Gas	120.608	ug/l	5.1	500	
Na	23	45	He	8309.490	ug/l	0.8	200000	
Mg	24	45	He	19205.838	ug/l	0.3	150000	
Al	27	45	He	539.271	ug/l	3.5	50000	
K	39	45	He	2606.675	ug/l	0.5	200000	
Ca	40	45	H2	14882.642	ug/l	1.0	150000	
Ti	47	45	He	10.460	ug/l	1.8	1000	
V	51	45	He	10.373	ug/l	0.6	2000	
Cr	52	45	He	10.999	ug/l	0.6	4000	
Mn	55	45	He	51.401	ug/l	1.3	5000	
Fe	56	45	H2	521.476	ug/l	1.1	100000	
Co	59	45	He	5.156	ug/l	2.5	1000	
Ni	60	45	He	10.317	ug/l	0.7	1000	
Cu	63	45	He	10.569	ug/l	1.3	1000	
Zn	66	45	He	62.425	ug/l	0.6	1000	
As	75	74	He	10.973	ug/l	2.1	2000	
Se	78	74	H2	12.156	ug/l	2.2	1000	
Sr	88	115	He	26.173	ug/l	1.7	2000	
Mo	95	115	He	10.264	ug/l	1.3	1000	
Ag	107	115	He	4.818	ug/l	3.2	100	
Cd	111	115	He	5.219	ug/l	4.4	2000	
Sn	118	115	He	10.309	ug/l	1.9	100	
Sb	121	115	He	5.357	ug/l	1.1	100	
Ba	137	159	He	28.764	ug/l	2.1	5000	
Tl	205	209	He	4.394	ug/l	1.7	1000	
(Pb)	206	209	He	5.590	ug/l	1.4		
(Pb)	207	209	He	5.360	ug/l	1.0		
Pb	208	209	He	5.465	ug/l	1.2	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1230753.82	0.5	127.3	70	120	fail
Sc (ISICPMS)	45	H2	1284835.70	1.2	121.7	70	120	fail
Sc (ISICPMS)	45	He	48106.24	0.8	120.9	70	120	fail
Ge (IS)	74	H2	354623.80	0.6	122.6	70	120	fail
Ge (IS)	74	He	41951.47	0.7	121.3	70	120	fail
Kr	83	He	16.68	34.6	100.0			
In-1	115	He	87611.82	1.6	117.4	70	120	
Tb (IS)	159	He	357204.88	1.2	116.0	70	120	
Bi (IS)	209	He	276621.86	1.0	112.4	70	120	

Sample Report

File Name 065SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:36:05

Sample Name **460-199813-G-1-C DU@2**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	1000	
B	11	6	No Gas	30.657	ug/l	1.5	500	
Na	23	45	He	7406.574	ug/l	0.4	200000	
Mg	24	45	He	17789.613	ug/l	0.5	150000	
Al	27	45	He	1.237	ug/l	29.9	50000	
K	39	45	He	1968.801	ug/l	1.0	200000	
Ca	40	45	H2	13756.893	ug/l	0.8	150000	
Ti	47	45	He	0.011	ug/l	151.9	1000	
V	51	45	He	0.047	ug/l	38.3	2000	
Cr	52	45	He	0.760	ug/l	6.2	4000	
Mn	55	45	He	0.309	ug/l	13.9	5000	
Fe	56	45	H2	0.016	ug/l	163.2	100000	
Co	59	45	He	0.025	ug/l	11.3	1000	
Ni	60	45	He	0.097	ug/l	6.9	1000	
Cu	63	45	He	0.247	ug/l	3.6	1000	
Zn	66	45	He	9.904	ug/l	2.6	1000	
As	75	74	He	0.021	ug/l	71.2	2000	
Se	78	74	H2	0.172	ug/l	11.7	1000	
Sr	88	115	He	14.876	ug/l	1.7	2000	
Mo	95	115	He	0.135	ug/l	17.1	1000	
Ag	107	115	He	0.005	ug/l	20.1	100	
Cd	111	115	He	-0.003	ug/l	N/A	2000	
Sn	118	115	He	-0.033	ug/l	N/A	100	
Sb	121	115	He	0.050	ug/l	73.4	100	
Ba	137	159	He	16.885	ug/l	1.0	5000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
(Pb)	206	209	He	-0.015	ug/l	N/A		
(Pb)	207	209	He	-0.008	ug/l	N/A		
Pb	208	209	He	-0.008	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1238052.62	0.2	128.0	70	120	fail
Sc (ISICPMS)	45	H2	1279799.35	0.2	121.2	70	120	fail
Sc (ISICPMS)	45	He	47990.33	1.1	120.6	70	120	fail
Ge (IS)	74	H2	350390.03	0.2	121.2	70	120	fail
Ge (IS)	74	He	42035.06	2.6	121.5	70	120	fail
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	86268.15	1.2	115.6	70	120	
Tb (IS)	159	He	354628.38	1.2	115.2	70	120	
Bi (IS)	209	He	277265.14	1.2	112.7	70	120	

Sample Report

File Name 066SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 18:38:33

Sample Name **460-199813-G-1-B@2**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	1000	
B	11	6	No Gas	28.153	ug/l	0.9	500	
Na	23	45	He	7302.498	ug/l	0.8	200000	
Mg	24	45	He	17569.943	ug/l	0.5	150000	
Al	27	45	He	0.859	ug/l	8.3	50000	
K	39	45	He	1950.819	ug/l	1.1	200000	
Ca	40	45	H2	13781.677	ug/l	1.4	150000	
Ti	47	45	He	-0.004	ug/l	N/A	1000	
V	51	45	He	0.042	ug/l	19.2	2000	
Cr	52	45	He	0.772	ug/l	5.1	4000	
Mn	55	45	He	0.100	ug/l	5.1	5000	
Fe	56	45	H2	-0.020	ug/l	N/A	100000	
Co	59	45	He	0.021	ug/l	28.4	1000	
Ni	60	45	He	0.100	ug/l	16.3	1000	
Cu	63	45	He	0.271	ug/l	6.6	1000	
Zn	66	45	He	6.043	ug/l	2.2	1000	
As	75	74	He	0.025	ug/l	135.7	2000	
Se	78	74	H2	0.188	ug/l	8.4	1000	
Sr	88	115	He	14.797	ug/l	1.4	2000	
Mo	95	115	He	0.112	ug/l	10.1	1000	
Ag	107	115	He	0.001	ug/l	206.4	100	
Cd	111	115	He	-0.005	ug/l	N/A	2000	
Sn	118	115	He	-0.034	ug/l	N/A	100	
Sb	121	115	He	0.036	ug/l	91.8	100	
Ba	137	159	He	16.769	ug/l	1.0	5000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
(Pb)	206	209	He	-0.005	ug/l	N/A		
(Pb)	207	209	He	-0.001	ug/l	N/A		
Pb	208	209	He	0.002	ug/l	70.0	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1234423.54	0.1	127.7	70	120	fail
Sc (ISICPMS)	45	H2	1268455.72	1.0	120.1	70	120	fail
Sc (ISICPMS)	45	He	48802.97	1.1	122.6	70	120	fail
Ge (IS)	74	H2	349236.42	0.7	120.8	70	120	fail
Ge (IS)	74	He	42080.74	0.8	121.7	70	120	fail
Kr	83	He	20.02	NaN	120.0			
In-1	115	He	87115.55	0.7	116.8	70	120	
Tb (IS)	159	He	354049.41	1.7	115.0	70	120	
Bi (IS)	209	He	277332.55	0.5	112.7	70	120	

Sample Report

File Name 067SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:15:20

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	1000	
B	11	6	No Gas	3.454	ug/l	54.8	500	
Na	23	45	He	19.429	ug/l	6.6	200000	
Mg	24	45	He	5.556	ug/l	6.2	150000	
Al	27	45	He	0.250	ug/l	115.2	50000	
K	39	45	He	3.045	ug/l	178.7	200000	
Ca	40	45	H2	7.316	ug/l	0.3	150000	
Ti	47	45	He	-0.017	ug/l	N/A	1000	
V	51	45	He	0.039	ug/l	33.3	2000	
Cr	52	45	He	0.013	ug/l	83.2	4000	
Mn	55	45	He	0.095	ug/l	33.4	5000	
Fe	56	45	H2	0.925	ug/l	3.6	100000	
Co	59	45	He	0.005	ug/l	23.1	1000	
Ni	60	45	He	0.012	ug/l	187.2	1000	
Cu	63	45	He	-0.001	ug/l	N/A	1000	
Zn	66	45	He	-0.051	ug/l	N/A	1000	
As	75	74	He	-0.011	ug/l	N/A	2000	
Se	78	74	H2	-0.008	ug/l	N/A	1000	
Sr	88	115	He	0.029	ug/l	49.0	2000	
Mo	95	115	He	0.032	ug/l	25.0	1000	
Ag	107	115	He	-0.012	ug/l	N/A	100	
Cd	111	115	He	0.005	ug/l	218.5	2000	
Sn	118	115	He	0.010	ug/l	142.1	100	
Sb	121	115	He	0.048	ug/l	27.5	100	
Ba	137	159	He	0.013	ug/l	24.6	5000	
Tl	205	209	He	0.001	ug/l	370.4	1000	
(Pb)	206	209	He	-0.037	ug/l	N/A		
(Pb)	207	209	He	-0.031	ug/l	N/A		
Pb	208	209	He	-0.031	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1051824.08	2.9	108.8	70	120	
Sc (ISICPMS)	45	H2	1122279.67	0.8	106.3	70	120	
Sc (ISICPMS)	45	He	41910.13	1.6	105.3	70	120	
Ge (IS)	74	H2	299865.27	0.6	103.7	70	120	
Ge (IS)	74	He	36002.55	0.6	104.1	70	120	
Kr	83	He	6.67	173.2	40.0			
In-1	115	He	76591.14	1.1	102.7	70	120	
Tb (IS)	159	He	316033.29	0.9	102.7	70	120	
Bi (IS)	209	He	253436.90	0.7	103.0	70	120	

Sample Report

File Name 068SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:17:49

Sample Name **SD 460-199813-G-1-B@10**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.006	ug/l	N/A	1000	
B	11	6	No Gas	6.376	ug/l	18.3	500	
Na	23	45	He	1588.246	ug/l	1.4	200000	
Mg	24	45	He	3833.808	ug/l	1.4	150000	
Al	27	45	He	1.256	ug/l	30.4	50000	
K	39	45	He	434.210	ug/l	1.8	200000	
Ca	40	45	H2	2991.416	ug/l	0.2	150000	
Ti	47	45	He	0.039	ug/l	131.5	1000	
V	51	45	He	0.046	ug/l	21.0	2000	
Cr	52	45	He	0.162	ug/l	3.7	4000	
Mn	55	45	He	0.037	ug/l	22.0	5000	
Fe	56	45	H2	0.005	ug/l	674.1	100000	
Co	59	45	He	0.006	ug/l	28.7	1000	
Ni	60	45	He	0.038	ug/l	21.0	1000	
Cu	63	45	He	0.077	ug/l	16.8	1000	
Zn	66	45	He	1.533	ug/l	7.2	1000	
As	75	74	He	-0.005	ug/l	N/A	2000	
Se	78	74	H2	0.021	ug/l	56.5	1000	
Sr	88	115	He	3.182	ug/l	2.5	2000	
Mo	95	115	He	0.039	ug/l	12.9	1000	
Ag	107	115	He	-0.014	ug/l	N/A	100	
Cd	111	115	He	0.000	ug/l	860.7	2000	
Sn	118	115	He	-0.023	ug/l	N/A	100	
Sb	121	115	He	0.033	ug/l	64.3	100	
Ba	137	159	He	3.415	ug/l	1.5	5000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
(Pb)	206	209	He	0.009	ug/l	36.5		
(Pb)	207	209	He	0.007	ug/l	44.3		
Pb	208	209	He	0.010	ug/l	21.3	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1079119.18	1.6	111.6	70	120	
Sc (ISICPMS)	45	H2	1082980.13	0.4	102.6	70	120	
Sc (ISICPMS)	45	He	41346.42	1.5	103.9	70	120	
Ge (IS)	74	H2	305851.08	0.5	105.8	70	120	
Ge (IS)	74	He	35850.02	1.5	103.7	70	120	
Kr	83	He	23.36	65.5	140.0			
In-1	115	He	75854.61	1.2	101.7	70	120	
Tb (IS)	159	He	310223.03	1.2	100.8	70	120	
Bi (IS)	209	He	247723.78	0.6	100.7	70	120	

Sample Report

File Name 069SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:20:18

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	705.9	1000	
B	11	6	No Gas	1.938	ug/l	83.1	500	
Na	23	45	He	19.156	ug/l	2.2	200000	
Mg	24	45	He	3.592	ug/l	5.8	150000	
Al	27	45	He	0.042	ug/l	631.1	50000	
K	39	45	He	12.275	ug/l	50.7	200000	
Ca	40	45	H2	5.827	ug/l	4.2	150000	
Ti	47	45	He	-0.021	ug/l	N/A	1000	
V	51	45	He	0.042	ug/l	47.4	2000	
Cr	52	45	He	-0.001	ug/l	N/A	4000	
Mn	55	45	He	0.084	ug/l	13.7	5000	
Fe	56	45	H2	0.886	ug/l	5.8	100000	
Co	59	45	He	0.004	ug/l	46.8	1000	
Ni	60	45	He	0.001	ug/l	1452.5	1000	
Cu	63	45	He	0.010	ug/l	79.4	1000	
Zn	66	45	He	0.029	ug/l	370.1	1000	
As	75	74	He	-0.015	ug/l	N/A	2000	
Se	78	74	H2	-0.004	ug/l	N/A	1000	
Sr	88	115	He	0.023	ug/l	13.2	2000	
Mo	95	115	He	0.039	ug/l	13.3	1000	
Ag	107	115	He	-0.018	ug/l	N/A	100	
Cd	111	115	He	0.001	ug/l	470.1	2000	
Sn	118	115	He	0.013	ug/l	87.8	100	
Sb	121	115	He	0.055	ug/l	39.6	100	
Ba	137	159	He	0.017	ug/l	1.6	5000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
(Pb)	206	209	He	-0.030	ug/l	N/A		
(Pb)	207	209	He	-0.025	ug/l	N/A		
Pb	208	209	He	-0.029	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1039981.93	2.8	107.5	70	120	
Sc (ISICPMS)	45	H2	1053813.75	1.2	99.8	70	120	
Sc (ISICPMS)	45	He	39983.85	1.2	100.5	70	120	
Ge (IS)	74	H2	285119.71	0.6	98.6	70	120	
Ge (IS)	74	He	33984.50	1.0	98.3	70	120	
Kr	83	He	6.67	86.6	40.0			
In-1	115	He	72645.31	0.9	97.4	70	120	
Tb (IS)	159	He	297425.15	1.1	96.6	70	120	
Bi (IS)	209	He	238602.06	0.8	97.0	70	120	

Sample Report

File Name 070SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:22:48

Sample Name **460-199813-E-2-B@2**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	1000	
B	11	6	No Gas	3.481	ug/l	25.9	500	
Na	23	45	He	3490.754	ug/l	1.0	200000	
Mg	24	45	He	20617.761	ug/l	0.7	150000	
Al	27	45	He	0.889	ug/l	21.3	50000	
K	39	45	He	1013.946	ug/l	0.6	200000	
Ca	40	45	H2	31647.121	ug/l	1.4	150000	
Ti	47	45	He	0.085	ug/l	54.1	1000	
V	51	45	He	0.039	ug/l	22.2	2000	
Cr	52	45	He	0.088	ug/l	27.9	4000	
Mn	55	45	He	0.135	ug/l	16.7	5000	
Fe	56	45	H2	-0.040	ug/l	N/A	100000	
Co	59	45	He	0.011	ug/l	28.5	1000	
Ni	60	45	He	0.056	ug/l	5.8	1000	
Cu	63	45	He	0.234	ug/l	9.5	1000	
Zn	66	45	He	8.602	ug/l	3.5	1000	
As	75	74	He	-0.002	ug/l	N/A	2000	
Se	78	74	H2	0.694	ug/l	9.6	1000	
Sr	88	115	He	27.519	ug/l	1.1	2000	
Mo	95	115	He	0.025	ug/l	40.6	1000	
Ag	107	115	He	-0.016	ug/l	N/A	100	
Cd	111	115	He	0.001	ug/l	1014.1	2000	
Sn	118	115	He	-0.030	ug/l	N/A	100	
Sb	121	115	He	0.007	ug/l	144.1	100	
Ba	137	159	He	14.144	ug/l	2.4	5000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
(Pb)	206	209	He	-0.011	ug/l	N/A		
(Pb)	207	209	He	-0.011	ug/l	N/A		
Pb	208	209	He	-0.009	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1047744.80	1.3	108.4	70	120	
Sc (ISICPMS)	45	H2	1120089.93	0.6	106.1	70	120	
Sc (ISICPMS)	45	He	40577.64	1.0	102.0	70	120	
Ge (IS)	74	H2	302181.72	0.8	104.5	70	120	
Ge (IS)	74	He	35416.77	1.1	102.4	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	73439.04	0.7	98.4	70	120	
Tb (IS)	159	He	306551.35	0.6	99.6	70	120	
Bi (IS)	209	He	243620.78	1.3	99.0	70	120	

Continuing Calibration Verification (CCV)

File Name 071_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:25:17

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.434	ug/l	3.2	50	45	55	
B	11	6	No Gas	98.684	ug/l	5.3	100	90	110	
Na	23	45	He	5197.454	ug/l	0.7	5000	4500	5500	
Mg	24	45	He	5193.382	ug/l	0.6	5000	4500	5500	
Al	27	45	He	516.838	ug/l	1.5	500	450	550	
K	39	45	He	5134.269	ug/l	1.0	5000	4500	5500	
Ca	40	45	H2	5149.689	ug/l	0.9	5000	4500	5500	
Ti	47	45	He	51.878	ug/l	0.5	50	45	55	
V	51	45	He	50.622	ug/l	1.1	50	45	55	
Cr	52	45	He	50.622	ug/l	0.6	50	45	55	
Mn	55	45	He	508.879	ug/l	0.5	500	450	550	
Fe	56	45	H2	5161.233	ug/l	0.5				
Co	59	45	He	50.884	ug/l	0.6	50	45	55	
Ni	60	45	He	51.150	ug/l	1.2	50	45	55	
Cu	63	45	He	50.807	ug/l	0.4	50	45	55	
Zn	66	45	He	51.211	ug/l	1.2	50	45	55	
As	75	74	He	51.960	ug/l	1.0	50	45	55	
Se	78	74	H2	50.906	ug/l	1.3	50	45	55	
Sr	88	115	He	50.630	ug/l	1.6	50	45	55	
Mo	95	115	He	50.943	ug/l	1.8	50	45	55	
Ag	107	115	He	51.480	ug/l	1.3	50	45	55	
Cd	111	115	He	51.626	ug/l	0.5	50	45	55	
Sn	118	115	He	51.297	ug/l	1.2	50	45	55	
Sb	121	115	He	50.490	ug/l	1.4	50	45	55	
Ba	137	159	He	50.392	ug/l	1.0	50	45	55	
Tl	205	209	He	10.340	ug/l	0.4	10	9	11	
(Pb)	206	209	He	52.412	ug/l	0.5				
(Pb)	207	209	He	52.067	ug/l	0.9				
Pb	208	209	He	52.251	ug/l	0.3	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1083853.10	1.4	112.1	70	120	
Sc (ISICPMS)	45	H2	1126114.21	0.7	106.7	70	120	
Sc (ISICPMS)	45	He	39663.14	5.4	99.7	70	120	
Ge (IS)	74	H2	313322.79	0.2	108.3	70	120	
Ge (IS)	74	He	34773.08	4.0	100.5	70	120	
Kr	83	He	6.67	173.2	40.0			
In-1	115	He	73709.24	5.5	98.8	70	120	
Tb (IS)	159	He	310064.62	5.4	100.7	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	250576.16	4.2	101.8	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 072_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:27:45

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.037	ug/l	4.9	0.2	-0.2	0.2	
B	11	6	No Gas	5.926	ug/l	29.4	20	-20	20	
Na	23	45	He	9.240	ug/l	5.8	50	-50	50	
Mg	24	45	He	3.929	ug/l	15.3	50	-50	50	
Al	27	45	He	0.059	ug/l	427.7	10	-10	10	
K	39	45	He	16.468	ug/l	13.3	50	-50	50	
Ca	40	45	H2	3.438	ug/l	4.4	50	-50	50	
Ti	47	45	He	0.029	ug/l	86.4	1	-1	1	
V	51	45	He	0.038	ug/l	27.5	1	-1	1	
Cr	52	45	He	0.022	ug/l	29.5	1	-1	1	
Mn	55	45	He	0.341	ug/l	7.1	2	-2	2	
Fe	56	45	H2	3.775	ug/l	1.2				
Co	59	45	He	0.039	ug/l	10.1	1	-1	1	
Ni	60	45	He	0.034	ug/l	29.4	1	-1	1	
Cu	63	45	He	0.030	ug/l	66.1	1	-1	1	
Zn	66	45	He	0.070	ug/l	117.0	4	-4	4	
As	75	74	He	0.030	ug/l	78.0	0.5	-0.5	0.5	
Se	78	74	H2	0.029	ug/l	60.6	0.5	-0.5	0.5	
Sr	88	115	He	0.039	ug/l	38.1	1	-1	1	
Mo	95	115	He	0.042	ug/l	26.3	1	-1	1	
Ag	107	115	He	0.066	ug/l	11.6	1	-1	1	
Cd	111	115	He	0.037	ug/l	28.3	0.5	-0.5	0.5	
Sn	118	115	He	0.044	ug/l	37.1	4	-4	4	
Sb	121	115	He	0.214	ug/l	5.2	0.5	-0.5	0.5	
Ba	137	159	He	0.061	ug/l	16.0	1	-1	1	
Tl	205	209	He	0.005	ug/l	25.3	0.2	-0.2	0.2	
(Pb)	206	209	He	0.001	ug/l	645.6				
(Pb)	207	209	He	0.013	ug/l	63.7				
Pb	208	209	He	0.010	ug/l	29.3	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	952149.68	0.3	98.5	70	120	
Sc (ISICPMS)	45	H2	983236.51	1.1	93.1	70	120	
Sc (ISICPMS)	45	He	36279.01	0.7	91.2	70	120	
Ge (IS)	74	H2	265970.84	1.4	92.0	70	120	
Ge (IS)	74	He	31444.44	1.0	90.9	70	120	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	67380.61	0.7	90.3	70	120	
Tb (IS)	159	He	280919.01	0.1	91.2	70	120	
Bi (IS)	209	He	224407.56	0.9	91.2	70	120	

Sample Report

File Name 073SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:30:13

Sample Name **MB 460-666173/1-A**

Comment ---

Dilution **1.0000**

Vial # 2501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	224.4	1000	
B	11	6	No Gas	3.118	ug/l	52.2	500	
Na	23	45	He	7.464	ug/l	8.2	200000	
Mg	24	45	He	0.691	ug/l	27.0	150000	
Al	27	45	He	-0.062	ug/l	N/A	50000	
K	39	45	He	15.506	ug/l	39.5	200000	
Ca	40	45	H2	-0.541	ug/l	N/A	150000	
Ti	47	45	He	-0.005	ug/l	N/A	1000	
V	51	45	He	0.013	ug/l	81.7	2000	
Cr	52	45	He	-0.001	ug/l	N/A	4000	
Mn	55	45	He	0.014	ug/l	65.2	5000	
Fe	56	45	H2	-0.078	ug/l	N/A	100000	
Co	59	45	He	-0.001	ug/l	N/A	1000	
Ni	60	45	He	0.001	ug/l	597.3	1000	
Cu	63	45	He	-0.002	ug/l	N/A	1000	
Zn	66	45	He	-0.028	ug/l	N/A	1000	
As	75	74	He	0.011	ug/l	29.8	2000	
Se	78	74	H2	0.015	ug/l	36.8	1000	
Sr	88	115	He	0.010	ug/l	77.9	2000	
Mo	95	115	He	0.000	ug/l	557.7	1000	
Ag	107	115	He	0.015	ug/l	21.4	100	
Cd	111	115	He	-0.002	ug/l	N/A	2000	
Sn	118	115	He	0.001	ug/l	1880.2	100	
Sb	121	115	He	0.104	ug/l	15.2	100	
Ba	137	159	He	0.001	ug/l	1479.6	5000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
(Pb)	206	209	He	-0.038	ug/l	N/A		
(Pb)	207	209	He	-0.027	ug/l	N/A		
Pb	208	209	He	-0.030	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	943179.86	0.6	97.5	70	120	
Sc (ISICPMS)	45	H2	971055.95	1.0	92.0	70	120	
Sc (ISICPMS)	45	He	36109.74	1.4	90.7	70	120	
Ge (IS)	74	H2	263981.22	1.3	91.3	70	120	
Ge (IS)	74	He	31191.71	1.9	90.2	70	120	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	67047.40	0.3	89.9	70	120	
Tb (IS)	159	He	276087.29	0.6	89.7	70	120	
Bi (IS)	209	He	221073.01	0.9	89.8	70	120	

Sample Report

File Name 074SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:32:42

Sample Name **LCS 460-666173/2-A**

Comment ---

Dilution **1.0000**

Vial # 2502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.014	ug/l	1.9	1000	
B	11	6	No Gas	109.101	ug/l	3.6	500	
Na	23	45	He	529.980	ug/l	2.5	200000	
Mg	24	45	He	513.205	ug/l	1.6	150000	
Al	27	45	He	524.807	ug/l	2.2	50000	
K	39	45	He	537.064	ug/l	4.3	200000	
Ca	40	45	H2	579.322	ug/l	1.0	150000	
Ti	47	45	He	10.350	ug/l	3.6	1000	
V	51	45	He	10.245	ug/l	2.9	2000	
Cr	52	45	He	10.029	ug/l	1.5	4000	
Mn	55	45	He	50.742	ug/l	3.2	5000	
Fe	56	45	H2	566.261	ug/l	0.9	100000	
Co	59	45	He	5.179	ug/l	3.0	1000	
Ni	60	45	He	10.568	ug/l	2.7	1000	
Cu	63	45	He	10.415	ug/l	2.8	1000	
Zn	66	45	He	51.670	ug/l	0.1	1000	
As	75	74	He	10.533	ug/l	2.6	2000	
Se	78	74	H2	10.764	ug/l	3.0	1000	
Sr	88	115	He	10.416	ug/l	3.3	2000	
Mo	95	115	He	10.094	ug/l	2.2	1000	
Ag	107	115	He	4.920	ug/l	0.5	100	
Cd	111	115	He	4.924	ug/l	2.2	2000	
Sn	118	115	He	10.619	ug/l	3.8	100	
Sb	121	115	He	5.363	ug/l	2.7	100	
Ba	137	159	He	10.600	ug/l	2.9	5000	
Tl	205	209	He	4.280	ug/l	0.2	1000	
(Pb)	206	209	He	5.399	ug/l	0.3		
(Pb)	207	209	He	5.327	ug/l	1.9		
Pb	208	209	He	5.342	ug/l	0.4	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	933856.88	1.0	96.6	70	120	
Sc (ISICPMS)	45	H2	962916.93	0.7	91.2	70	120	
Sc (ISICPMS)	45	He	36135.37	1.7	90.8	70	120	
Ge (IS)	74	H2	266322.12	0.9	92.1	70	120	
Ge (IS)	74	He	31742.84	0.5	91.8	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	66620.36	0.9	89.3	70	120	
Tb (IS)	159	He	274445.55	0.3	89.1	70	120	
Bi (IS)	209	He	220366.29	0.8	89.6	70	120	

Sample Report

File Name 075SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:35:10

Sample Name **460-199874-J-5-C MS@5**

Comment ---

Dilution **1.0000**

Vial # 2503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.123	ug/l	2.4	1000	
B	11	6	No Gas	109.361	ug/l	3.8	500	
Na	23	45	He	4226.092	ug/l	0.3	200000	
Mg	24	45	He	2875.726	ug/l	0.5	150000	
Al	27	45	He	535.128	ug/l	0.2	50000	
K	39	45	He	1136.730	ug/l	0.4	200000	
Ca	40	45	H2	6359.924	ug/l	1.5	150000	
Ti	47	45	He	10.328	ug/l	3.2	1000	
V	51	45	He	10.271	ug/l	0.7	2000	
Cr	52	45	He	10.185	ug/l	0.8	4000	
Mn	55	45	He	458.709	ug/l	0.8	5000	
Fe	56	45	H2	14490.000	ug/l	1.4	100000	
Co	59	45	He	5.216	ug/l	1.1	1000	
Ni	60	45	He	10.487	ug/l	1.5	1000	
Cu	63	45	He	10.342	ug/l	1.3	1000	
Zn	66	45	He	53.026	ug/l	1.9	1000	
As	75	74	He	11.184	ug/l	2.1	2000	
Se	78	74	H2	12.025	ug/l	1.1	1000	
Sr	88	115	He	46.367	ug/l	0.7	2000	
Mo	95	115	He	10.183	ug/l	1.2	1000	
Ag	107	115	He	4.517	ug/l	5.4	100	
Cd	111	115	He	5.039	ug/l	4.3	2000	
Sn	118	115	He	10.351	ug/l	2.4	100	
Sb	121	115	He	5.067	ug/l	1.1	100	
Ba	137	159	He	60.505	ug/l	1.0	5000	
Tl	205	209	He	4.257	ug/l	0.7	1000	
(Pb)	206	209	He	5.424	ug/l	1.2		
(Pb)	207	209	He	5.260	ug/l	1.3		
Pb	208	209	He	5.350	ug/l	0.9	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	997656.88	0.6	103.2	70	120	
Sc (ISICPMS)	45	H2	1036994.52	0.8	98.2	70	120	
Sc (ISICPMS)	45	He	37487.50	0.6	94.2	70	120	
Ge (IS)	74	H2	286693.91	1.0	99.1	70	120	
Ge (IS)	74	He	33486.71	1.6	96.8	70	120	
Kr	83	He	16.68	124.9	100.0			
In-1	115	He	70230.75	1.0	94.1	70	120	
Tb (IS)	159	He	292826.17	0.5	95.1	70	120	
Bi (IS)	209	He	233859.27	0.9	95.0	70	120	

Sample Report

File Name 076SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:37:42

Sample Name **460-199874-J-5-B DU@5**

Comment ---

Dilution **1.0000**

Vial # 2504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	22.2	1000	
B	11	6	No Gas	12.472	ug/l	13.6	500	
Na	23	45	He	3672.641	ug/l	1.1	200000	
Mg	24	45	He	2332.726	ug/l	0.8	150000	
Al	27	45	He	1.828	ug/l	42.0	50000	
K	39	45	He	614.319	ug/l	2.0	200000	
Ca	40	45	H2	5917.405	ug/l	1.7	150000	
Ti	47	45	He	0.089	ug/l	45.8	1000	
V	51	45	He	0.043	ug/l	34.6	2000	
Cr	52	45	He	0.055	ug/l	33.5	4000	
Mn	55	45	He	404.170	ug/l	0.9	5000	
Fe	56	45	H2	14266.885	ug/l	0.9	100000	
Co	59	45	He	0.028	ug/l	17.9	1000	
Ni	60	45	He	0.039	ug/l	49.3	1000	
Cu	63	45	He	0.009	ug/l	97.9	1000	
Zn	66	45	He	0.255	ug/l	67.5	1000	
As	75	74	He	0.195	ug/l	25.3	2000	
Se	78	74	H2	0.050	ug/l	70.0	1000	
Sr	88	115	He	35.740	ug/l	1.1	2000	
Mo	95	115	He	0.056	ug/l	5.0	1000	
Ag	107	115	He	-0.010	ug/l	N/A	100	
Cd	111	115	He	-0.004	ug/l	N/A	2000	
Sn	118	115	He	-0.012	ug/l	N/A	100	
Sb	121	115	He	0.074	ug/l	22.3	100	
Ba	137	159	He	50.051	ug/l	1.3	5000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
(Pb)	206	209	He	-0.034	ug/l	N/A		
(Pb)	207	209	He	-0.027	ug/l	N/A		
Pb	208	209	He	-0.028	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	999723.91	0.7	103.4	70	120	
Sc (ISICPMS)	45	H2	1045948.36	0.9	99.1	70	120	
Sc (ISICPMS)	45	He	37855.07	1.7	95.1	70	120	
Ge (IS)	74	H2	290361.03	1.1	100.4	70	120	
Ge (IS)	74	He	33737.21	1.0	97.5	70	120	
Kr	83	He	3.34	173.2	20.0			
In-1	115	He	70924.86	1.8	95.1	70	120	
Tb (IS)	159	He	297470.18	1.7	96.6	70	120	
Bi (IS)	209	He	236827.56	1.9	96.2	70	120	

Sample Report

File Name 077SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:40:10

Sample Name **460-199874-J-5-A@5**

Comment ---

Dilution **1.0000**

Vial # 2505

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	13.6	1000	
B	11	6	No Gas	8.946	ug/l	18.2	500	
Na	23	45	He	3739.505	ug/l	3.7	200000	
Mg	24	45	He	2383.835	ug/l	3.7	150000	
Al	27	45	He	1.002	ug/l	15.4	50000	
K	39	45	He	635.330	ug/l	3.0	200000	
Ca	40	45	H2	5874.450	ug/l	1.3	150000	
Ti	47	45	He	0.079	ug/l	43.7	1000	
V	51	45	He	0.050	ug/l	24.7	2000	
Cr	52	45	He	0.066	ug/l	27.9	4000	
Mn	55	45	He	415.994	ug/l	4.4	5000	
Fe	56	45	H2	14235.318	ug/l	0.3	100000	
Co	59	45	He	0.027	ug/l	33.2	1000	
Ni	60	45	He	0.052	ug/l	73.0	1000	
Cu	63	45	He	0.019	ug/l	27.0	1000	
Zn	66	45	He	0.241	ug/l	10.3	1000	
As	75	74	He	0.217	ug/l	10.6	2000	
Se	78	74	H2	0.043	ug/l	34.7	1000	
Sr	88	115	He	36.668	ug/l	2.5	2000	
Mo	95	115	He	0.069	ug/l	17.9	1000	
Ag	107	115	He	-0.013	ug/l	N/A	100	
Cd	111	115	He	-0.004	ug/l	N/A	2000	
Sn	118	115	He	-0.008	ug/l	N/A	100	
Sb	121	115	He	0.072	ug/l	30.7	100	
Ba	137	159	He	50.216	ug/l	4.9	5000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
(Pb)	206	209	He	-0.033	ug/l	N/A		
(Pb)	207	209	He	-0.028	ug/l	N/A		
Pb	208	209	He	-0.027	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	968737.39	0.9	100.2	70	120	
Sc (ISICPMS)	45	H2	1029756.90	0.4	97.5	70	120	
Sc (ISICPMS)	45	He	36681.34	4.0	92.2	70	120	
Ge (IS)	74	H2	286602.82	1.0	99.1	70	120	
Ge (IS)	74	He	32951.25	3.5	95.3	70	120	
Kr	83	He	13.35	43.3	80.0			
In-1	115	He	68941.47	2.7	92.4	70	120	
Tb (IS)	159	He	288548.37	3.4	93.7	70	120	
Bi (IS)	209	He	229091.45	2.9	93.1	70	120	

Sample Report

File Name 078SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:42:39

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	1000	
B	11	6	No Gas	4.472	ug/l	41.4	500	
Na	23	45	He	23.302	ug/l	5.7	200000	
Mg	24	45	He	3.236	ug/l	7.7	150000	
Al	27	45	He	-0.043	ug/l	N/A	50000	
K	39	45	He	13.388	ug/l	32.5	200000	
Ca	40	45	H2	7.335	ug/l	5.2	150000	
Ti	47	45	He	0.016	ug/l	194.6	1000	
V	51	45	He	0.008	ug/l	46.1	2000	
Cr	52	45	He	0.010	ug/l	129.9	4000	
Mn	55	45	He	0.138	ug/l	24.1	5000	
Fe	56	45	H2	2.470	ug/l	4.2	100000	
Co	59	45	He	0.004	ug/l	15.9	1000	
Ni	60	45	He	0.004	ug/l	649.1	1000	
Cu	63	45	He	0.012	ug/l	66.3	1000	
Zn	66	45	He	-0.027	ug/l	N/A	1000	
As	75	74	He	-0.020	ug/l	N/A	2000	
Se	78	74	H2	0.011	ug/l	138.3	1000	
Sr	88	115	He	0.022	ug/l	13.8	2000	
Mo	95	115	He	0.036	ug/l	35.1	1000	
Ag	107	115	He	0.004	ug/l	75.6	100	
Cd	111	115	He	-0.001	ug/l	N/A	2000	
Sn	118	115	He	0.022	ug/l	57.0	100	
Sb	121	115	He	0.068	ug/l	23.5	100	
Ba	137	159	He	0.033	ug/l	40.6	5000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
(Pb)	206	209	He	-0.032	ug/l	N/A		
(Pb)	207	209	He	-0.027	ug/l	N/A		
Pb	208	209	He	-0.030	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	921427.73	3.4	95.3	70	120	
Sc (ISICPMS)	45	H2	846985.42	7.0	80.2	70	120	
Sc (ISICPMS)	45	He	35264.42	1.2	88.6	70	120	
Ge (IS)	74	H2	241723.26	5.6	83.6	70	120	
Ge (IS)	74	He	30495.88	0.6	88.2	70	120	
Kr	83	He	16.68	124.9	100.0			
In-1	115	He	66440.01	2.0	89.0	70	120	
Tb (IS)	159	He	277703.27	0.3	90.2	70	120	
Bi (IS)	209	He	223886.83	0.7	91.0	70	120	

Sample Report

File Name 079SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:45:08

Sample Name **460-199369-E-1-B@5**

Comment ---

Dilution **1.0000**

Vial # 2507

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	1000	
B	11	6	No Gas	31.405	ug/l	2.3	500	
Na	23	45	He	176783.110	ug/l	0.8	200000	
Mg	24	45	He	2729.854	ug/l	1.1	150000	
Al	27	45	He	1.134	ug/l	14.9	50000	
K	39	45	He	4849.527	ug/l	1.1	200000	
Ca	40	45	H2	33656.969	ug/l	0.7	150000	
Ti	47	45	He	0.105	ug/l	47.7	1000	
V	51	45	He	0.164	ug/l	21.2	2000	
Cr	52	45	He	0.035	ug/l	28.8	4000	
Mn	55	45	He	900.639	ug/l	0.9	5000	
Fe	56	45	H2	914.606	ug/l	0.4	100000	
Co	59	45	He	0.522	ug/l	4.6	1000	
Ni	60	45	He	0.169	ug/l	13.5	1000	
Cu	63	45	He	0.100	ug/l	20.1	1000	
Zn	66	45	He	2.574	ug/l	4.8	1000	
As	75	74	He	0.462	ug/l	1.0	2000	
Se	78	74	H2	0.061	ug/l	47.3	1000	
Sr	88	115	He	146.244	ug/l	0.6	2000	
Mo	95	115	He	2.623	ug/l	2.8	1000	
Ag	107	115	He	-0.010	ug/l	N/A	100	
Cd	111	115	He	0.002	ug/l	121.7	2000	
Sn	118	115	He	-0.017	ug/l	N/A	100	
Sb	121	115	He	0.064	ug/l	15.8	100	
Ba	137	159	He	20.542	ug/l	4.3	5000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
(Pb)	206	209	He	0.153	ug/l	10.0		
(Pb)	207	209	He	0.152	ug/l	15.3		
Pb	208	209	He	0.157	ug/l	5.0	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	995322.35	0.6	102.9	70	120	
Sc (ISICPMS)	45	H2	1091000.14	0.3	103.3	70	120	
Sc (ISICPMS)	45	He	40159.86	1.1	100.9	70	120	
Ge (IS)	74	H2	292980.38	0.4	101.3	70	120	
Ge (IS)	74	He	34575.88	0.8	100.0	70	120	
Kr	83	He	13.35	43.3	80.0			
In-1	115	He	71507.99	0.1	95.8	70	120	
Tb (IS)	159	He	300825.54	0.7	97.7	70	120	
Bi (IS)	209	He	228229.92	0.6	92.8	70	120	

Sample Report

File Name 080SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:47:35

Sample Name **460-199369-E-1-B@10**

Comment ---

Dilution **1.0000**

Vial # 2508

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.005	ug/l	N/A	1000	
B	11	6	No Gas	17.716	ug/l	3.2	500	
Na	23	45	He	91330.043	ug/l	1.4	200000	
Mg	24	45	He	1399.093	ug/l	1.5	150000	
Al	27	45	He	0.771	ug/l	55.7	50000	
K	39	45	He	2504.988	ug/l	0.9	200000	
Ca	40	45	H2	15437.938	ug/l	1.1	150000	
Ti	47	45	He	0.065	ug/l	90.1	1000	
V	51	45	He	0.079	ug/l	13.0	2000	
Cr	52	45	He	0.005	ug/l	393.7	4000	
Mn	55	45	He	394.734	ug/l	1.1	5000	
Fe	56	45	H2	394.115	ug/l	1.2	100000	
Co	59	45	He	0.234	ug/l	6.6	1000	
Ni	60	45	He	0.085	ug/l	20.6	1000	
Cu	63	45	He	0.038	ug/l	37.8	1000	
Zn	66	45	He	0.958	ug/l	9.7	1000	
As	75	74	He	0.232	ug/l	18.5	2000	
Se	78	74	H2	0.048	ug/l	56.3	1000	
Sr	88	115	He	69.315	ug/l	1.1	2000	
Mo	95	115	He	1.335	ug/l	7.1	1000	
Ag	107	115	He	-0.009	ug/l	N/A	100	
Cd	111	115	He	-0.004	ug/l	N/A	2000	
Sn	118	115	He	-0.030	ug/l	N/A	100	
Sb	121	115	He	0.061	ug/l	11.3	100	
Ba	137	159	He	9.332	ug/l	1.9	5000	
Tl	205	209	He	-0.003	ug/l	N/A	1000	
(Pb)	206	209	He	-0.029	ug/l	N/A		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.027	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1010943.26	0.5	104.5	70	120	
Sc (ISICPMS)	45	H2	1067854.25	0.9	101.1	70	120	
Sc (ISICPMS)	45	He	39853.45	1.0	100.1	70	120	
Ge (IS)	74	H2	291410.94	0.8	100.8	70	120	
Ge (IS)	74	He	34415.51	0.8	99.5	70	120	
Kr	83	He	23.36	49.5	140.0			
In-1	115	He	71814.01	0.7	96.3	70	120	
Tb (IS)	159	He	296645.25	0.9	96.4	70	120	
Bi (IS)	209	He	226481.36	0.9	92.0	70	120	

Sample Report

File Name 081SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:50:05

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	1000	
B	11	6	No Gas	3.216	ug/l	48.0	500	
Na	23	45	He	44.582	ug/l	5.5	200000	
Mg	24	45	He	3.704	ug/l	16.7	150000	
Al	27	45	He	-0.127	ug/l	N/A	50000	
K	39	45	He	18.990	ug/l	21.4	200000	
Ca	40	45	H2	7.962	ug/l	2.4	150000	
Ti	47	45	He	-0.006	ug/l	N/A	1000	
V	51	45	He	0.013	ug/l	42.5	2000	
Cr	52	45	He	0.012	ug/l	63.4	4000	
Mn	55	45	He	0.124	ug/l	14.0	5000	
Fe	56	45	H2	1.788	ug/l	2.0	100000	
Co	59	45	He	0.005	ug/l	61.6	1000	
Ni	60	45	He	0.004	ug/l	86.2	1000	
Cu	63	45	He	0.003	ug/l	582.5	1000	
Zn	66	45	He	0.000	ug/l	4124.8	1000	
As	75	74	He	0.003	ug/l	1195.4	2000	
Se	78	74	H2	0.015	ug/l	70.6	1000	
Sr	88	115	He	0.041	ug/l	44.0	2000	
Mo	95	115	He	0.029	ug/l	35.1	1000	
Ag	107	115	He	-0.006	ug/l	N/A	100	
Cd	111	115	He	-0.002	ug/l	N/A	2000	
Sn	118	115	He	-0.006	ug/l	N/A	100	
Sb	121	115	He	0.075	ug/l	5.2	100	
Ba	137	159	He	0.012	ug/l	94.6	5000	
Tl	205	209	He	0.001	ug/l	126.3	1000	
(Pb)	206	209	He	-0.037	ug/l	N/A		
(Pb)	207	209	He	-0.029	ug/l	N/A		
Pb	208	209	He	-0.030	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	954806.22	2.4	98.7	70	120	
Sc (ISICPMS)	45	H2	963771.11	1.3	91.3	70	120	
Sc (ISICPMS)	45	He	37105.42	1.0	93.2	70	120	
Ge (IS)	74	H2	264008.57	1.0	91.3	70	120	
Ge (IS)	74	He	31793.03	2.6	91.9	70	120	
Kr	83	He	20.02	100.0	120.0			
In-1	115	He	67517.68	1.3	90.5	70	120	
Tb (IS)	159	He	275291.68	1.0	89.4	70	120	
Bi (IS)	209	He	218718.69	1.0	88.9	70	120	

Sample Report

File Name 082SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:52:33

Sample Name **SD 460-199874-J-5-A@25**

Comment ---

Dilution **1.0000**

Vial # 2506

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	1000	
B	11	6	No Gas	2.412	ug/l	61.6	500	
Na	23	45	He	754.419	ug/l	1.2	200000	
Mg	24	45	He	464.765	ug/l	0.5	150000	
Al	27	45	He	0.919	ug/l	19.3	50000	
K	39	45	He	141.822	ug/l	3.1	200000	
Ca	40	45	H2	1217.060	ug/l	0.9	150000	
Ti	47	45	He	0.013	ug/l	189.9	1000	
V	51	45	He	0.020	ug/l	65.8	2000	
Cr	52	45	He	0.012	ug/l	30.4	4000	
Mn	55	45	He	82.324	ug/l	1.5	5000	
Fe	56	45	H2	2943.727	ug/l	0.3	100000	
Co	59	45	He	0.003	ug/l	27.0	1000	
Ni	60	45	He	0.022	ug/l	20.3	1000	
Cu	63	45	He	-0.007	ug/l	N/A	1000	
Zn	66	45	He	0.034	ug/l	427.5	1000	
As	75	74	He	0.043	ug/l	63.3	2000	
Se	78	74	H2	0.007	ug/l	136.8	1000	
Sr	88	115	He	7.333	ug/l	2.9	2000	
Mo	95	115	He	0.020	ug/l	23.7	1000	
Ag	107	115	He	-0.010	ug/l	N/A	100	
Cd	111	115	He	-0.003	ug/l	N/A	2000	
Sn	118	115	He	-0.010	ug/l	N/A	100	
Sb	121	115	He	0.095	ug/l	14.6	100	
Ba	137	159	He	10.129	ug/l	1.7	5000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
(Pb)	206	209	He	-0.037	ug/l	N/A		
(Pb)	207	209	He	-0.030	ug/l	N/A		
Pb	208	209	He	-0.028	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	962938.70	0.3	99.6	70	120	
Sc (ISICPMS)	45	H2	1001401.51	0.3	94.8	70	120	
Sc (ISICPMS)	45	He	37459.64	1.3	94.1	70	120	
Ge (IS)	74	H2	279372.69	0.8	96.6	70	120	
Ge (IS)	74	He	33605.87	1.0	97.2	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	69195.49	0.5	92.7	70	120	
Tb (IS)	159	He	283900.98	0.9	92.2	70	120	
Bi (IS)	209	He	224074.53	0.3	91.1	70	120	

Continuing Calibration Verification (CCV)

File Name 083_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:55:01

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.518	ug/l	1.5	50	45	55	
B	11	6	No Gas	103.654	ug/l	4.2	100	90	110	
Na	23	45	He	5114.438	ug/l	1.2	5000	4500	5500	
Mg	24	45	He	5087.851	ug/l	1.2	5000	4500	5500	
Al	27	45	He	513.524	ug/l	1.4	500	450	550	
K	39	45	He	5099.700	ug/l	1.1	5000	4500	5500	
Ca	40	45	H2	5166.658	ug/l	0.2	5000	4500	5500	
Ti	47	45	He	50.144	ug/l	1.8	50	45	55	
V	51	45	He	50.253	ug/l	1.2	50	45	55	
Cr	52	45	He	50.071	ug/l	0.9	50	45	55	
Mn	55	45	He	504.770	ug/l	0.8	500	450	550	
Fe	56	45	H2	5193.602	ug/l	0.8				
Co	59	45	He	50.357	ug/l	1.6	50	45	55	
Ni	60	45	He	50.471	ug/l	0.6	50	45	55	
Cu	63	45	He	50.055	ug/l	1.0	50	45	55	
Zn	66	45	He	50.143	ug/l	1.3	50	45	55	
As	75	74	He	51.421	ug/l	3.5	50	45	55	
Se	78	74	H2	51.410	ug/l	1.3	50	45	55	
Sr	88	115	He	50.968	ug/l	0.8	50	45	55	
Mo	95	115	He	50.547	ug/l	0.8	50	45	55	
Ag	107	115	He	50.825	ug/l	0.3	50	45	55	
Cd	111	115	He	51.370	ug/l	0.2	50	45	55	
Sn	118	115	He	50.423	ug/l	1.5	50	45	55	
Sb	121	115	He	50.663	ug/l	0.2	50	45	55	
Ba	137	159	He	52.193	ug/l	1.0	50	45	55	
Tl	205	209	He	10.329	ug/l	0.3	10	9	11	
(Pb)	206	209	He	52.238	ug/l	1.1				
(Pb)	207	209	He	51.837	ug/l	1.2				
Pb	208	209	He	52.002	ug/l	0.9	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	951704.15	0.4	98.4	70	120	
Sc (ISICPMS)	45	H2	1004890.99	0.4	95.2	70	120	
Sc (ISICPMS)	45	He	37489.75	1.1	94.2	70	120	
Ge (IS)	74	H2	279273.52	0.6	96.6	70	120	
Ge (IS)	74	He	32681.57	2.5	94.5	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	68815.48	0.7	92.2	70	120	
Tb (IS)	159	He	283596.75	0.7	92.1	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	228512.39	0.9	92.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 084_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 19:57:30

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.040	ug/l	4.6	0.2	-0.2	0.2	
B	11	6	No Gas	8.405	ug/l	20.0	20	-20	20	
Na	23	45	He	17.093	ug/l	5.5	50	-50	50	
Mg	24	45	He	3.996	ug/l	17.2	50	-50	50	
Al	27	45	He	0.426	ug/l	81.5	10	-10	10	
K	39	45	He	23.342	ug/l	18.6	50	-50	50	
Ca	40	45	H2	3.477	ug/l	1.2	50	-50	50	
Ti	47	45	He	0.034	ug/l	153.4	1	-1	1	
V	51	45	He	0.036	ug/l	25.2	1	-1	1	
Cr	52	45	He	0.035	ug/l	53.1	1	-1	1	
Mn	55	45	He	0.386	ug/l	15.2	2	-2	2	
Fe	56	45	H2	4.173	ug/l	2.8				
Co	59	45	He	0.036	ug/l	5.5	1	-1	1	
Ni	60	45	He	0.030	ug/l	39.9	1	-1	1	
Cu	63	45	He	0.035	ug/l	26.2	1	-1	1	
Zn	66	45	He	0.016	ug/l	601.6	4	-4	4	
As	75	74	He	0.030	ug/l	128.3	0.5	-0.5	0.5	
Se	78	74	H2	0.029	ug/l	1.4	0.5	-0.5	0.5	
Sr	88	115	He	0.052	ug/l	46.2	1	-1	1	
Mo	95	115	He	0.045	ug/l	22.7	1	-1	1	
Ag	107	115	He	0.090	ug/l	7.0	1	-1	1	
Cd	111	115	He	0.055	ug/l	29.2	0.5	-0.5	0.5	
Sn	118	115	He	0.035	ug/l	45.9	4	-4	4	
Sb	121	115	He	0.250	ug/l	8.1	0.5	-0.5	0.5	
Ba	137	159	He	0.040	ug/l	46.4	1	-1	1	
Tl	205	209	He	0.007	ug/l	4.4	0.2	-0.2	0.2	
(Pb)	206	209	He	0.006	ug/l	207.0				
(Pb)	207	209	He	0.021	ug/l	33.6				
Pb	208	209	He	0.012	ug/l	19.5	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	932521.00	0.7	96.4	70	120	
Sc (ISICPMS)	45	H2	979606.25	0.3	92.8	70	120	
Sc (ISICPMS)	45	He	36614.27	1.4	92.0	70	120	
Ge (IS)	74	H2	267787.64	0.9	92.6	70	120	
Ge (IS)	74	He	31436.69	2.2	90.9	70	120	
Kr	83	He	26.69	94.4	160.0			
In-1	115	He	67491.26	1.1	90.5	70	120	
Tb (IS)	159	He	275494.73	0.8	89.5	70	120	
Bi (IS)	209	He	219991.06	0.8	89.4	70	120	

Sample Report

File Name 085SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 21:16:38

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	1000	
B	11	6	No Gas	6.241	ug/l	25.5	500	
Na	23	45	He	19.385	ug/l	3.0	200000	
Mg	24	45	He	3.276	ug/l	1.5	150000	
Al	27	45	He	0.573	ug/l	79.3	50000	
K	39	45	He	15.706	ug/l	37.7	200000	
Ca	40	45	H2	5.564	ug/l	2.7	150000	
Ti	47	45	He	-0.025	ug/l	N/A	1000	
V	51	45	He	0.016	ug/l	83.0	2000	
Cr	52	45	He	0.016	ug/l	59.2	4000	
Mn	55	45	He	0.080	ug/l	50.1	5000	
Fe	56	45	H2	1.114	ug/l	2.9	100000	
Co	59	45	He	0.003	ug/l	101.3	1000	
Ni	60	45	He	0.001	ug/l	453.1	1000	
Cu	63	45	He	0.013	ug/l	105.0	1000	
Zn	66	45	He	-0.069	ug/l	N/A	1000	
As	75	74	He	0.001	ug/l	469.8	2000	
Se	78	74	H2	-0.004	ug/l	N/A	1000	
Sr	88	115	He	0.022	ug/l	16.1	2000	
Mo	95	115	He	0.039	ug/l	30.0	1000	
Ag	107	115	He	-0.011	ug/l	N/A	100	
Cd	111	115	He	0.007	ug/l	47.8	2000	
Sn	118	115	He	0.022	ug/l	62.3	100	
Sb	121	115	He	0.104	ug/l	10.8	100	
Ba	137	159	He	0.021	ug/l	73.3	5000	
Tl	205	209	He	0.004	ug/l	81.9	1000	
(Pb)	206	209	He	-0.040	ug/l	N/A		
(Pb)	207	209	He	-0.030	ug/l	N/A		
Pb	208	209	He	-0.033	ug/l	N/A	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	942286.64	0.3	97.4	70	120	
Sc (ISICPMS)	45	H2	1002201.26	0.3	94.9	70	120	
Sc (ISICPMS)	45	He	36918.34	1.2	92.8	70	120	
Ge (IS)	74	H2	266144.51	0.7	92.0	70	120	
Ge (IS)	74	He	31081.47	1.0	89.9	70	120	
Kr	83	He	40.04	109.0	240.0			
In-1	115	He	66932.47	0.3	89.7	70	120	
Tb (IS)	159	He	274650.28	0.7	89.2	70	120	
Bi (IS)	209	He	224734.38	1.2	91.3	70	120	

Continuing Calibration Verification (CCV)

File Name 086_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 21:19:09

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.958	ug/l	2.1	50	45	55	
B	11	6	No Gas	104.394	ug/l	4.5	100	90	110	
Na	23	45	He	5061.581	ug/l	2.6	5000	4500	5500	
Mg	24	45	He	5068.544	ug/l	2.5	5000	4500	5500	
Al	27	45	He	507.975	ug/l	1.4	500	450	550	
K	39	45	He	5055.595	ug/l	2.4	5000	4500	5500	
Ca	40	45	H2	5110.936	ug/l	0.3	5000	4500	5500	
Ti	47	45	He	51.230	ug/l	1.8	50	45	55	
V	51	45	He	50.290	ug/l	2.0	50	45	55	
Cr	52	45	He	50.403	ug/l	3.2	50	45	55	
Mn	55	45	He	503.714	ug/l	2.3	500	450	550	
Fe	56	45	H2	5107.330	ug/l	1.0				
Co	59	45	He	50.261	ug/l	2.2	50	45	55	
Ni	60	45	He	50.434	ug/l	2.4	50	45	55	
Cu	63	45	He	50.042	ug/l	2.6	50	45	55	
Zn	66	45	He	50.181	ug/l	3.9	50	45	55	
As	75	74	He	51.694	ug/l	2.4	50	45	55	
Se	78	74	H2	51.599	ug/l	0.8	50	45	55	
Sr	88	115	He	51.343	ug/l	1.5	50	45	55	
Mo	95	115	He	51.394	ug/l	1.4	50	45	55	
Ag	107	115	He	51.409	ug/l	2.1	50	45	55	
Cd	111	115	He	50.758	ug/l	2.0	50	45	55	
Sn	118	115	He	51.534	ug/l	0.5	50	45	55	
Sb	121	115	He	49.965	ug/l	1.3	50	45	55	
Ba	137	159	He	51.018	ug/l	1.2	50	45	55	
Tl	205	209	He	10.377	ug/l	2.4	10	9	11	
(Pb)	206	209	He	52.254	ug/l	2.2				
(Pb)	207	209	He	52.361	ug/l	2.0				
Pb	208	209	He	52.265	ug/l	2.1	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	962616.76	0.4	99.5	70	120	
Sc (ISICPMS)	45	H2	1029597.90	0.8	97.5	70	120	
Sc (ISICPMS)	45	He	38068.97	2.9	95.7	70	120	
Ge (IS)	74	H2	285828.95	1.3	98.8	70	120	
Ge (IS)	74	He	32999.01	1.6	95.4	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	68254.49	1.8	91.5	70	120	
Tb (IS)	159	He	285274.44	1.6	92.7	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	234101.48	1.9	95.1	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 087_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 21:21:38

Sample Name **CCB**

Comment ---

Dilution 1.0000

Method/Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.041	ug/l	12.5	0.2	-0.2	0.2	
B	11	6	No Gas	8.201	ug/l	13.9	20	-20	20	
Na	23	45	He	3.473	ug/l	47.3	50	-50	50	
Mg	24	45	He	4.702	ug/l	3.0	50	-50	50	
Al	27	45	He	0.564	ug/l	49.6	10	-10	10	
K	39	45	He	2.413	ug/l	199.7	50	-50	50	
Ca	40	45	H2	3.706	ug/l	3.3	50	-50	50	
Ti	47	45	He	0.060	ug/l	75.8	1	-1	1	
V	51	45	He	0.048	ug/l	9.4	1	-1	1	
Cr	52	45	He	0.039	ug/l	50.4	1	-1	1	
Mn	55	45	He	0.447	ug/l	9.7	2	-2	2	
Fe	56	45	H2	4.818	ug/l	1.6				
Co	59	45	He	0.051	ug/l	7.5	1	-1	1	
Ni	60	45	He	0.032	ug/l	40.9	1	-1	1	
Cu	63	45	He	0.042	ug/l	34.1	1	-1	1	
Zn	66	45	He	0.054	ug/l	133.0	4	-4	4	
As	75	74	He	0.002	ug/l	420.3	0.5	-0.5	0.5	
Se	78	74	H2	0.046	ug/l	26.3	0.5	-0.5	0.5	
Sr	88	115	He	0.059	ug/l	11.8	1	-1	1	
Mo	95	115	He	0.043	ug/l	33.5	1	-1	1	
Ag	107	115	He	0.086	ug/l	11.7	1	-1	1	
Cd	111	115	He	0.053	ug/l	10.3	0.5	-0.5	0.5	
Sn	118	115	He	0.032	ug/l	25.9	4	-4	4	
Sb	121	115	He	0.228	ug/l	21.7	0.5	-0.5	0.5	
Ba	137	159	He	0.051	ug/l	17.2	1	-1	1	
Tl	205	209	He	0.008	ug/l	17.5	0.2	-0.2	0.2	
(Pb)	206	209	He	0.008	ug/l	79.5				
(Pb)	207	209	He	0.018	ug/l	58.3				
Pb	208	209	He	0.013	ug/l	40.0	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1062319.68	3.3	109.9	70	120	
Sc (ISICPMS)	45	H2	1101371.41	0.9	104.3	70	120	
Sc (ISICPMS)	45	He	42220.98	0.8	106.1	70	120	
Ge (IS)	74	H2	296715.05	1.2	102.6	70	120	
Ge (IS)	74	He	35865.63	2.1	103.7	70	120	
Kr	83	He	6.67	86.6	40.0			
In-1	115	He	77128.35	1.3	103.4	70	120	
Tb (IS)	159	He	318922.60	1.5	103.6	70	120	
Bi (IS)	209	He	258590.48	0.9	105.1	70	120	

Sample Report

File Name 088SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 21:24:07

Sample Name **LCS 460-665957/2-A**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.057	ug/l	2.9	1000	
B	11	6	No Gas	101.133	ug/l	5.0	500	
Na	23	45	He	530.545	ug/l	1.6	200000	
Mg	24	45	He	526.344	ug/l	1.2	150000	
Al	27	45	He	532.551	ug/l	1.1	50000	
K	39	45	He	535.079	ug/l	1.8	200000	
Ca	40	45	H2	576.415	ug/l	0.6	150000	
Ti	47	45	He	10.328	ug/l	1.9	1000	
V	51	45	He	10.230	ug/l	2.3	2000	
Cr	52	45	He	10.199	ug/l	1.0	4000	
Mn	55	45	He	51.328	ug/l	0.7	5000	
Fe	56	45	H2	531.824	ug/l	0.5	100000	
Co	59	45	He	5.324	ug/l	0.2	1000	
Ni	60	45	He	10.434	ug/l	0.4	1000	
Cu	63	45	He	10.789	ug/l	0.4	1000	
Zn	66	45	He	53.622	ug/l	0.5	1000	
As	75	74	He	10.640	ug/l	1.3	2000	
Se	78	74	H2	10.273	ug/l	4.1	1000	
Sr	88	115	He	10.326	ug/l	1.5	2000	
Mo	95	115	He	10.444	ug/l	1.4	1000	
Ag	107	115	He	5.032	ug/l	1.0	100	
Cd	111	115	He	5.424	ug/l	3.5	2000	
Sn	118	115	He	10.571	ug/l	0.8	100	
Sb	121	115	He	5.459	ug/l	2.1	100	
Ba	137	159	He	10.012	ug/l	0.8	5000	
Tl	205	209	He	4.279	ug/l	1.1	1000	
(Pb)	206	209	He	5.412	ug/l	0.8		
(Pb)	207	209	He	5.250	ug/l	2.8		
Pb	208	209	He	5.319	ug/l	0.5	5000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1047199.31	0.4	108.3	70	120	
Sc (ISICPMS)	45	H2	1087981.95	2.3	103.0	70	120	
Sc (ISICPMS)	45	He	35568.48	1.3	89.4	70	120	
Ge (IS)	74	H2	297033.34	2.0	102.7	70	120	
Ge (IS)	74	He	30854.33	1.8	89.2	70	120	
Kr	83	He	13.35	114.6	80.0			
In-1	115	He	64703.86	1.8	86.7	70	120	
Tb (IS)	159	He	273412.42	1.6	88.8	70	120	
Bi (IS)	209	He	222119.65	1.5	90.3	70	120	

Continuing Calibration Verification (CCV)

File Name 089_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 21:26:37

Sample Name **CCV 7587772**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	50.635	ug/l	2.4	50	45	55	
B	11	6	No Gas	109.220	ug/l	6.1	100	90	110	
Na	23	45	He	5115.282	ug/l	1.3	5000	4500	5500	
Mg	24	45	He	5122.407	ug/l	1.2	5000	4500	5500	
Al	27	45	He	511.967	ug/l	3.1	500	450	550	
K	39	45	He	5110.491	ug/l	1.0	5000	4500	5500	
Ca	40	45	H2	5089.406	ug/l	1.0	5000	4500	5500	
Ti	47	45	He	51.096	ug/l	3.9	50	45	55	
V	51	45	He	50.620	ug/l	1.0	50	45	55	
Cr	52	45	He	50.563	ug/l	1.4	50	45	55	
Mn	55	45	He	506.972	ug/l	1.6	500	450	550	
Fe	56	45	H2	5140.816	ug/l	1.2				
Co	59	45	He	51.019	ug/l	1.7	50	45	55	
Ni	60	45	He	51.420	ug/l	1.6	50	45	55	
Cu	63	45	He	50.880	ug/l	0.7	50	45	55	
Zn	66	45	He	51.046	ug/l	2.2	50	45	55	
As	75	74	He	51.128	ug/l	1.3	50	45	55	
Se	78	74	H2	51.843	ug/l	0.2	50	45	55	
Sr	88	115	He	50.754	ug/l	0.3	50	45	55	
Mo	95	115	He	51.435	ug/l	1.7	50	45	55	
Ag	107	115	He	51.638	ug/l	1.4	50	45	55	
Cd	111	115	He	51.505	ug/l	1.4	50	45	55	
Sn	118	115	He	51.165	ug/l	1.8	50	45	55	
Sb	121	115	He	49.501	ug/l	1.4	50	45	55	
Ba	137	159	He	50.147	ug/l	2.2	50	45	55	
Tl	205	209	He	10.357	ug/l	0.5	10	9	11	
(Pb)	206	209	He	51.647	ug/l	1.3				
(Pb)	207	209	He	52.227	ug/l	1.6				
Pb	208	209	He	52.096	ug/l	0.7	50	45	55	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	987686.96	5.0	102.1	70	120	
Sc (ISICPMS)	45	H2	1121589.06	0.9	106.2	70	120	
Sc (ISICPMS)	45	He	38914.54	3.0	97.8	70	120	
Ge (IS)	74	H2	310202.05	0.7	107.3	70	120	
Ge (IS)	74	He	34347.66	0.8	99.3	70	120	
Kr	83	He	10.01	100.0	60.0			
In-1	115	He	71191.67	2.1	95.4	70	120	
Tb (IS)	159	He	301265.71	1.5	97.9	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Bi (IS)	209	He	245100.53	1.5	99.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 090_CCB.d

File Path D:\Agilent\ICPMH\1\DATA\MT123119_2.b

Acq Time 2019-12-31 21:29:05

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.047	ug/l	3.9	0.2	-0.2	0.2	
B	11	6	No Gas	13.482	ug/l	9.2	20	-20	20	
Na	23	45	He	6.576	ug/l	25.3	50	-50	50	
Mg	24	45	He	5.171	ug/l	3.4	50	-50	50	
Al	27	45	He	1.061	ug/l	34.2	10	-10	10	
K	39	45	He	11.469	ug/l	51.6	50	-50	50	
Ca	40	45	H2	4.294	ug/l	3.5	50	-50	50	
Ti	47	45	He	0.003	ug/l	321.5	1	-1	1	
V	51	45	He	0.054	ug/l	7.6	1	-1	1	
Cr	52	45	He	0.060	ug/l	38.2	1	-1	1	
Mn	55	45	He	0.473	ug/l	11.8	2	-2	2	
Fe	56	45	H2	5.055	ug/l	0.8				
Co	59	45	He	0.052	ug/l	12.0	1	-1	1	
Ni	60	45	He	0.050	ug/l	7.7	1	-1	1	
Cu	63	45	He	0.055	ug/l	40.8	1	-1	1	
Zn	66	45	He	0.015	ug/l	315.1	4	-4	4	
As	75	74	He	0.035	ug/l	72.0	0.5	-0.5	0.5	
Se	78	74	H2	0.060	ug/l	42.3	0.5	-0.5	0.5	
Sr	88	115	He	0.051	ug/l	42.5	1	-1	1	
Mo	95	115	He	0.042	ug/l	54.3	1	-1	1	
Ag	107	115	He	0.098	ug/l	12.0	1	-1	1	
Cd	111	115	He	0.033	ug/l	24.2	0.5	-0.5	0.5	
Sn	118	115	He	0.045	ug/l	16.5	4	-4	4	
Sb	121	115	He	0.278	ug/l	10.9	0.5	-0.5	0.5	
Ba	137	159	He	0.036	ug/l	52.1	1	-1	1	
Tl	205	209	He	0.010	ug/l	27.7	0.2	-0.2	0.2	
(Pb)	206	209	He	0.015	ug/l	42.6				
(Pb)	207	209	He	0.026	ug/l	50.4				
Pb	208	209	He	0.022	ug/l	29.4	0.3	-0.3	0.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	990687.18	3.5	102.5	70	120	
Sc (ISICPMS)	45	H2	1017433.13	1.4	96.4	70	120	
Sc (ISICPMS)	45	He	38601.50	1.2	97.0	70	120	
Ge (IS)	74	H2	275699.20	2.0	95.3	70	120	
Ge (IS)	74	He	32682.67	1.5	94.5	70	120	
Kr	83	He	13.35	86.6	80.0			
In-1	115	He	71247.08	0.6	95.5	70	120	
Tb (IS)	159	He	298290.48	0.8	96.9	70	120	
Bi (IS)	209	He	240770.24	1.1	97.8	70	120	

US EPA Tune Check Report

Operator Name	Ediicpms3
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\MT123119.b
Acq. Date-Time	2019-12-31 11:22:21
Report Comment	EPA TUNE REPORT
Instrument Name	G8403A JP16121357

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	1.00	19612	196124.34	0.00		0.517	5.000
24	1.00	75462	754623.63	0.00		0.712	5.000
25	1.00	10031	100313.18	0.00		0.708	5.000
26	1.00	11748	117480.61	0.00		0.676	5.000
59	1.00	132464	1324643.34	0.00		1.213	5.000
115	1.00	204566	2045656.02	0.00		1.803	5.000
206	1.00	49744	497437.47	0.00		2.437	5.000
207	1.00	44864	448640.97	0.00		2.242	5.000
208	1.00	108014	1080135.40	0.00		2.196	5.000

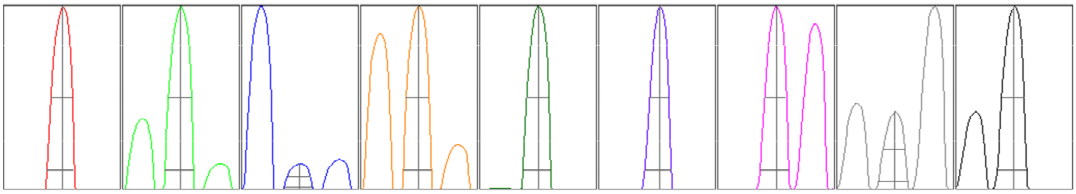
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	19446	19701	19593	19676	19646
24	74807	75049	75711	76152	75591
25	9939	10003	10115	10089	10011
26	11646	11704	11848	11801	11741
59	129602	132957	133303	133321	133139
115	198631	203999	205049	207061	208088
206	47733	49533	50172	50627	50654
207	43534	44247	44999	46113	45428
208	104694	107401	108267	111316	108391

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	37469.44	9.05	8.90 - 9.10	
24	135059.98	24.00	23.90 - 24.10	
25	18040.36	25.00	24.90 - 25.10	
26	21252.48	26.00	25.90 - 26.10	
59	246824.82	59.05	58.90 - 59.10	
115	432051.16	115.10	114.90 - 115.10	
206	91526.71	206.05	205.90 - 206.10	
207	82822.93	207.00	206.90 - 207.10	
208	195991.05	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.55	0.691	0.900	
24	0.59	0.725	0.900	
25	0.58	0.720	0.900	
26	0.58	0.718	0.900	
59	0.57	0.702	0.900	
115	0.49	0.671	0.900	
206	0.55	0.737	0.900	
207	0.56	0.750	0.900	
208	0.57	0.759	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	—	Nebulizer Gas	0.83 L/min	Dilution Gas	0.26 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.8 V	Deflect	11.2 V
Extract 2	-215.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

QP Parameters

Mass Gain	133	Axis Gain	1.0008	QP Bias	-3.0 V
Mass Offset	127	Axis Offset	0.07		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	0.5 mm		

EM

Discriminator	4.5 mV	Analog HV	2164 V	Pulse HV	1151 V

123019TSW

Method: 245.1_7470A Operator: Admin Date of Analysis: 30 Dec 2019 06:33:26

Sample ID	Extended ID	µ Abs.	Conc.	Chapter	Method	Date	Element
Cal Blank - 1		84	-	665771HG1	245.1_7470A	30 Dec 2019 06:36:36	Hg
0.2 ug/L - 1		1432	-	665771HG1	245.1_7470A	30 Dec 2019 06:38:19	Hg
1.0 ug/L - 1		5580	-	665771HG1	245.1_7470A	30 Dec 2019 06:40:02	Hg
2.0 ug/L - 1		10458	-	665771HG1	245.1_7470A	30 Dec 2019 06:41:45	Hg
5.0 ug/L - 1		26516	-	665771HG1	245.1_7470A	30 Dec 2019 06:43:30	Hg
10.0 ug/L - 1		52192	-	665771HG1	245.1_7470A	30 Dec 2019 06:45:14	Hg
ICV - 1		25654	97.6% 4.8806	665771HG1	245.1_7470A	30 Dec 2019 06:46:58	Hg
ICB - 1		-197	-0.0884	665771HG1	245.1_7470A	30 Dec 2019 06:48:48	Hg
CRI - 1		1408	110.1% 0.2201	665771HG1	245.1_7470A	30 Dec 2019 06:50:34	Hg
QCS - 1		26086	99.3% 4.9636	665771HG1	245.1_7470A	30 Dec 2019 06:52:17	Hg
MCL - 1		10761	100.9% 2.0179	665771HG1	245.1_7470A	30 Dec 2019 06:54:01	Hg
CCV - 1		26782	101.9% 5.0974	665771HG1	245.1_7470A	30 Dec 2019 06:55:47	Hg
CCB - 1		-134	-0.0763	665771HG1	245.1_7470A	30 Dec 2019 06:57:31	Hg
mb 460-665771/13-a - 1		60	-0.0390	665771HG1	245.1_7470A	30 Dec 2019 06:59:17	Hg
lcs 460-665771/14-a - 1		5647	1.0349	665771HG1	245.1_7470A	30 Dec 2019 07:00:59	Hg
460-199421-a-1-b - 1		246	-0.0032	665771HG1	245.1_7470A	30 Dec 2019 07:02:41	Hg
460-199421-a-1-c du - 1		293	0.0058	665771HG1	245.1_7470A	30 Dec 2019 07:04:24	Hg
460-199421-a-1-d ms - 1		5687	1.0426	665771HG1	245.1_7470A	30 Dec 2019 07:06:06	Hg
SD 460-199421-a-1-b@5 - 1		56	-0.0397	665771HG1	245.1_7470A	30 Dec 2019 07:07:48	Hg
460-199656-d-1-b - 1		43694	8.3481	665771HG1	245.1_7470A	30 Dec 2019 07:09:31	Hg
460-199096-d-7-b - 1		5	-0.0495	665771HG1	245.1_7470A	30 Dec 2019 07:11:13	Hg
460-199096-d-7-c du - 1		208	-0.0105	665771HG1	245.1_7470A	30 Dec 2019 07:13:07	Hg
460-199096-d-7-d ms - 1		5459	0.9988	665771HG1	245.1_7470A	30 Dec 2019 07:14:49	Hg
CCV - 1		26770	101.9% 5.0951	665771HG1	245.1_7470A	30 Dec 2019 07:16:32	Hg
CCB - 1		-169	-0.0830	665771HG1	245.1_7470A	30 Dec 2019 07:18:16	Hg
SD 460-199096-d-7-b@5 - 1		63	-0.0384	665771HG1	245.1_7470A	30 Dec 2019 07:20:02	Hg
460-199096-d-1-b - 1		343	0.0154	665771HG1	245.1_7470A	30 Dec 2019 07:21:45	Hg
460-199096-e-2-d - 1		440	0.0341	665771HG1	245.1_7470A	30 Dec 2019 07:23:29	Hg
460-199096-e-3-b - 1		281	0.0035	665771HG1	245.1_7470A	30 Dec 2019 07:25:11	Hg
460-199096-d-4-b - 1		341	0.0150	665771HG1	245.1_7470A	30 Dec 2019 07:26:53	Hg
460-199096-e-5-b - 1		267	0.0008	665771HG1	245.1_7470A	30 Dec 2019 07:28:35	Hg
460-199096-e-6-b - 1		281	0.0035	665771HG1	245.1_7470A	30 Dec 2019 07:30:17	Hg
460-199096-e-8-b - 1		425	0.0312	665771HG1	245.1_7470A	30 Dec 2019 07:31:59	Hg
460-199096-e-9-b - 1		341	0.0150	665771HG1	245.1_7470A	30 Dec 2019 07:33:41	Hg
460-199096-d-10-b - 1		273	0.0020	665771HG1	245.1_7470A	30 Dec 2019 07:35:23	Hg
CCV - 1		26888	102.4% 5.1178	665771HG1	245.1_7470A	30 Dec 2019 07:37:06	Hg
CCB - 1		-149	-0.0791	665771HG1	245.1_7470A	30 Dec 2019 07:38:48	Hg
460-199096-e-11-b - 1		285	0.0043	665771HG1	245.1_7470A	30 Dec 2019 07:40:34	Hg
460-199096-e-12-b - 1		270	0.0014	665771HG1	245.1_7470A	30 Dec 2019 07:42:17	Hg
460-199096-e-14-b - 1		270	0.0014	665771HG1	245.1_7470A	30 Dec 2019 07:44:00	Hg
460-199096-e-15-b - 1		275	0.0024	665771HG1	245.1_7470A	30 Dec 2019 07:45:43	Hg
460-199096-d-16-b - 1		283	0.0039	665771HG1	245.1_7470A	30 Dec 2019 07:47:27	Hg
460-199096-e-17-b - 1		306	0.0083	665771HG1	245.1_7470A	30 Dec 2019 07:49:09	Hg
460-199096-e-18-b - 1		691	0.0823	665771HG1	245.1_7470A	30 Dec 2019 07:50:51	Hg
460-199125-f-2-a - 1		260	-0.0005	665771HG1	245.1_7470A	30 Dec 2019 07:52:33	Hg
mb 460-665772/1-a - 1		112	-0.0290	665771HG1	245.1_7470A	30 Dec 2019 07:54:15	Hg
lcs 460-665772/2-a - 1		5627	1.0311	665771HG1	245.1_7470A	30 Dec 2019 07:55:57	Hg
CCV - 1		27464	104.6% 5.2285	665771HG1	245.1_7470A	30 Dec 2019 07:57:39	Hg
CCB - 1		-117	-0.0730	665771HG1	245.1_7470A	30 Dec 2019 07:59:23	Hg
460-199125-f-6-a - 1		323	0.0116	665771HG1	245.1_7470A	30 Dec 2019 08:01:10	Hg
460-199125-f-6-b du - 1		310	0.0091	665771HG1	245.1_7470A	30 Dec 2019 08:02:52	Hg
460-199125-f-6-c ms - 1		5701	1.0453	665771HG1	245.1_7470A	30 Dec 2019 08:04:35	Hg
SD 460-199125-f-6-a@5 - 1		56	-0.0397	665771HG1	245.1_7470A	30 Dec 2019 08:06:18	Hg
460-199125-f-3-a - 1		338	0.0145	665771HG1	245.1_7470A	30 Dec 2019 08:08:03	Hg
460-199125-f-4-a - 1		272	0.0018	665771HG1	245.1_7470A	30 Dec 2019 08:09:47	Hg
460-199125-f-5-a - 1		336	0.0141	665771HG1	245.1_7470A	30 Dec 2019 08:11:31	Hg
460-199125-f-7-a - 1		431	0.0323	665771HG1	245.1_7470A	30 Dec 2019 08:13:14	Hg
460-199125-f-8-a - 1		248	-0.0028	665771HG1	245.1_7470A	30 Dec 2019 08:14:56	Hg
460-199125-f-9-a - 1		330	0.0129	665771HG1	245.1_7470A	30 Dec 2019 08:16:38	Hg
CCV - 1		27203	103.6% 5.1783	665771HG1	245.1_7470A	30 Dec 2019 08:18:21	Hg
CCB - 1		-153	-0.0799	665771HG1	245.1_7470A	30 Dec 2019 08:20:03	Hg
460-199669-d-1-b - 1		715	0.0869	665771HG1	245.1_7470A	30 Dec 2019 08:21:51	Hg
460-198993-d-5-a - 1		253	-0.0019	665771HG1	245.1_7470A	30 Dec 2019 08:23:33	Hg
460-199406-a-5-b - 1		267	0.0008	665771HG1	245.1_7470A	30 Dec 2019 08:25:16	Hg
mb 460-665773/1-a - 1		113	-0.0288	665771HG1	245.1_7470A	30 Dec 2019 08:26:58	Hg
lcs 460-665773/2-a - 1		5646	1.0347	665771HG1	245.1_7470A	30 Dec 2019 08:28:41	Hg
460-199160-d-1-c - 1		233	-0.0057	665771HG1	245.1_7470A	30 Dec 2019 08:30:25	Hg
460-199160-a-1-b du - 1		268	0.0010	665771HG1	245.1_7470A	30 Dec 2019 08:32:09	Hg
460-199160-d-1-d ms - 1		5726	1.0501	665771HG1	245.1_7470A	30 Dec 2019 08:33:53	Hg
SD 460-199160-d-1-c@5 - 1		31	-0.0445	665771HG1	245.1_7470A	30 Dec 2019 08:35:37	Hg
460-199160-d-2-b - 1		269	0.0012	665771HG1	245.1_7470A	30 Dec 2019 08:37:21	Hg
CCV - 1		27157	103.4% 5.1695	665771HG1	245.1_7470A	30 Dec 2019 08:39:04	Hg
CCB - 1		-137	-0.0768	665771HG1	245.1_7470A	30 Dec 2019 08:40:45	Hg
460-199160-d-3-b - 1		262	-0.0001	665771HG1	245.1_7470A	30 Dec 2019 08:42:35	Hg
460-199204-e-1-a - 1		283	0.0039	665771HG1	245.1_7470A	30 Dec 2019 08:44:17	Hg
460-199204-e-2-a - 1		625	0.0696	665771HG1	245.1_7470A	30 Dec 2019 08:45:59	Hg
460-199204-e-3-a - 1		280	0.0033	665771HG1	245.1_7470A	30 Dec 2019 08:47:41	Hg
460-199204-e-4-a - 1		306	0.0083	665771HG1	245.1_7470A	30 Dec 2019 08:49:24	Hg
460-199204-e-5-a - 1		283	0.0039	665771HG1	245.1_7470A	30 Dec 2019 08:51:07	Hg
460-199204-e-6-a - 1		297	0.0066	665771HG1	245.1_7470A	30 Dec 2019 08:52:49	Hg
460-199204-e-7-a - 1		291	0.0054	665771HG1	245.1_7470A	30 Dec 2019 08:54:32	Hg
460-199204-e-8-a - 1		297	0.0066	665771HG1	245.1_7470A	30 Dec 2019 08:56:15	Hg
460-199204-e-9-a - 1		287	0.9047	665771HG1	245.1_7470A	30 Dec 2019 08:57:59	Hg
CCV - 1		26804	102.0% 5.1016	665771HG1	245.1_7470A	30 Dec 2019 08:59:43	Hg

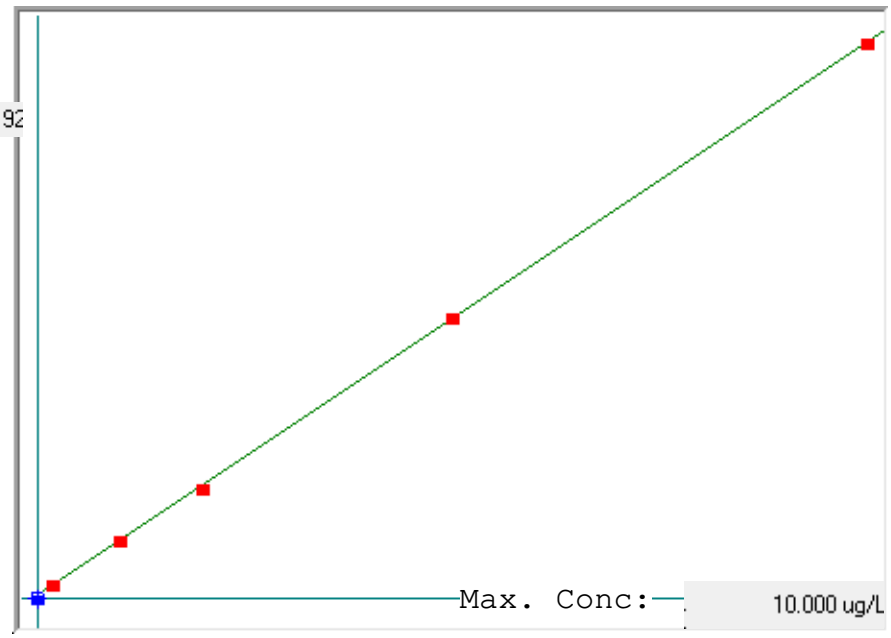
123019TSW

Method: 245.1_7470A Operator: Admin Date of Analysis: 30 Dec 2019 06:33:26

Sample ID	Extended ID	µ Abs.	Conc.	Chapter	Method	Date	Element
CCB - 1		-156	-0.0805	665771HG1	245.1_7470A	30 Dec 2019 09:01:25	Hg
460-199204-e-10-a - 1		263	0.0001	665771HG1	245.1_7470A	30 Dec 2019 09:03:13	Hg
460-199723-d-1-a - 1		262	-0.0001	665771HG1	245.1_7470A	30 Dec 2019 09:04:56	Hg
460-199723-d-2-a - 1		319	0.0108	665771HG1	245.1_7470A	30 Dec 2019 09:06:38	Hg
460-199723-d-3-a - 1		310	0.0091	665771HG1	245.1_7470A	30 Dec 2019 09:08:21	Hg
mb 460-665774/1-a - 1		102	-0.0309	665771HG1	245.1_7470A	30 Dec 2019 09:10:03	Hg
lcs 460-665774/2-a - 1		27167	5.1714	665771HG1	245.1_7470A	30 Dec 2019 09:11:47	Hg
460-199639-b-1-e - 1		174	-0.0171	665771HG1	245.1_7470A	30 Dec 2019 09:13:29	Hg
460-199639-b-1-f du - 1		380	0.0225	665771HG1	245.1_7470A	30 Dec 2019 09:15:16	Hg
460-199639-b-1-g ms - 1		27551	5.2452	665771HG1	245.1_7470A	30 Dec 2019 09:16:59	Hg
SD 460-199639-b-1-e@5 - 1		-72	-0.0643	665771HG1	245.1_7470A	30 Dec 2019 09:18:42	Hg
CCV - 1		27763	105.7% 5.2860	665771HG1	245.1_7470A	30 Dec 2019 09:20:28	Hg
CCB - 1		-150	-0.0793	665771HG1	245.1_7470A	30 Dec 2019 09:22:11	Hg
460-199207-a-1-f - 1		340	0.0149	665771HG1	245.1_7470A	30 Dec 2019 09:23:57	Hg
460-199603-k-1-h - 1		273	0.0020	665771HG1	245.1_7470A	30 Dec 2019 09:25:40	Hg
460-199603-k-2-h - 1		298	0.0068	665771HG1	245.1_7470A	30 Dec 2019 09:27:24	Hg
460-199639-b-2-e - 1		412	0.0287	665771HG1	245.1_7470A	30 Dec 2019 09:29:07	Hg
lb 460-665456/1-f - 1		302	0.0075	665771HG1	245.1_7470A	30 Dec 2019 09:30:50	Hg
lb 460-665456/1-g - 1		304	0.0079	665771HG1	245.1_7470A	30 Dec 2019 09:32:33	Hg
mb 460-665784/1-a - 1		127	-0.0261	665771HG1	245.1_7470A	30 Dec 2019 09:34:17	Hg
lcs 460-665784/2-a - 1		27656	5.2654	665771HG1	245.1_7470A	30 Dec 2019 09:35:59	Hg
460-198637-e-7-h - 1		126	-0.0263	665771HG1	245.1_7470A	30 Dec 2019 09:37:42	Hg
460-198637-e-7-i du - 1		325	0.0120	665771HG1	245.1_7470A	30 Dec 2019 09:39:29	Hg
CCV - 1		27151	103.4% 5.1683	665771HG1	245.1_7470A	30 Dec 2019 09:41:12	Hg
CCB - 1		-225	-0.0937	665771HG1	245.1_7470A	30 Dec 2019 09:42:53	Hg
460-198637-e-7-j ms - 1		25226	4.7983	665771HG1	245.1_7470A	30 Dec 2019 09:44:40	Hg
SD 460-198637-e-7-h@5 - 1		151	-0.0215	665771HG1	245.1_7470A	30 Dec 2019 09:46:23	Hg
460-198637-f-11-g - 1		859	0.1146	665771HG1	245.1_7470A	30 Dec 2019 09:48:11	Hg
460-199343-g-3-e - 1		258	-0.0009	665771HG1	245.1_7470A	30 Dec 2019 09:49:55	Hg
lb 460-665461/1-d - 1		276	0.0026	665771HG1	245.1_7470A	30 Dec 2019 09:51:39	Hg
lb 460-665638/1-d - 1		-27	-0.0557	665771HG1	245.1_7470A	30 Dec 2019 09:53:22	Hg
CCV - 1		27316	104.0% 5.2000	665771HG1	245.1_7470A	30 Dec 2019 09:55:05	Hg
CCB - 1		-108	-0.0713	665771HG1	245.1_7470A	30 Dec 2019 09:56:47	Hg

245.1_7470A

Linear



A= 0.0000e+000

B= 1.9222e-004

C= -5.0501e-002

Rho= 0.9999573

Accept=Accepted

Accepted Date=

12/30/19 06:46

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.034	-0.034	84	0.000	84				
0.2 ug/L	0.200	0.225	0.025	1432	0.0 %	1432				
1.0 ug/L	1.000	1.022	0.022	5580	0.0 %	5580				
2.0 ug/L	2.000	1.960	-0.040	10458	0.0 %	10458				
5.0 ug/L	5.000	5.046	0.046	26516	0.0 %	26516				
10.0 ug/L	10.000	9.982	-0.018	52192	0.0 %	52192				

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 666141 Batch Start Date: 12/31/19 16:11 Batch Analyst: Dave, Virendra

Batch Method: 3010A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 460-666141/1		3010A, 6020B		10 mL	10 mL				
LCS 460-666141/2		3010A, 6020B		10 mL	10 mL				
460-199766-D-2 DU		3010A, 6020B	D	10 mL	10 mL				
460-199766-D-2 MS		3010A, 6020B	D	10 mL	10 mL				
460-199723-D-1	MW-2	3010A, 6020B	D	10 mL	10 mL				
460-199723-D-2	MW-1	3010A, 6020B	D	10 mL	10 mL				
460-199723-D-3	Duplicate	3010A, 6020B	D	10 mL	10 mL				

Batch Notes	
Batch Comment	Dissolved Batch Samples Not Digested

Basis	Basis Description
D	Dissolved

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665771 Batch Start Date: 12/30/19 03:25 Batch Analyst: Staib, Thomas

Batch Method: 245.1 Batch End Date: 12/30/19 06:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 03439	ME_DQCS-INT 03171		
ICV 460-665771/7		245.1, 7470A		30 mL	30 mL		1.5 mL		
CCV 460-665771/8		245.1, 7470A		30 mL	30 mL	1.5 mL			
CCB 460-665771/9		245.1, 7470A		30 mL	30 mL				

Batch Notes	
Temperature - Corrected - End	95 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion End Time	12/30/2019 06:00
Digestion Start Time	12/30/2019 04:00
Digestion Unit ID	11
Sulfuric Acid Lot Number	0000211749
Nitric Acid ID	0000221803
Hydroxylamine ID	ME_NACLHYDHCL_00142
Potassium Persulfate ID	ME_PotPersSol_00058
Potassium Permanganate ID	ME_potPermSol_00143
Pipette/Syringe/Dispenser ID	#95
Analyst ID - Spike Analyst	Thomas Staib
Thermometer ID	metals-2(cf-3)
Digestion Tube/Cup ID	J340122-4653 (50ML Digi Tubes)
Temperature - Uncorrected - End	98 Degrees C
Temperature - Uncorrected - Start	98 Degrees C

Basis	Basis Description

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199723-1

SDG No.:

Batch Number: 665773 Batch Start Date: 12/30/19 04:09 Batch Analyst: Staib, Thomas

Batch Method: 7470A Batch End Date: 12/30/19 07:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 03439			
MB 460-665773/1		7470A, 7470A		30 mL	30 mL				
LCS 460-665773/2		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-199160-A-1 DU		7470A, 7470A	D	30 mL	30 mL				
460-199160-D-1 MS		7470A, 7470A	D	30 mL	30 mL	0.3 mL			
460-199723-D-1	MW-2	7470A, 7470A	D	30 mL	30 mL				
460-199723-D-2	MW-1	7470A, 7470A	D	30 mL	30 mL				
460-199723-D-3	Duplicate	7470A, 7470A	D	30 mL	30 mL				

Batch Notes	
Temperature - Corrected - End	95 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion End Time	12/30/2019 06:40
Digestion Start Time	12/30/2019 04:40
Digestion Unit ID	12
Sulfuric Acid Lot Number	0000211749
Nitric Acid ID	0000221803
Hydroxylamine ID	ME_NACLHYDHCL_00142
Potassium Persulfate ID	ME_PotPersSol_00058
Potassium Permanganate ID	ME_potPermSol_00143
Pipette/Syringe/Dispenser ID	#95
Analyst ID - Spike Analyst	Thomas Staib
Thermometer ID	metals-2(cf-3)
Digestion Tube/Cup ID	J340122-4653 (50ML Digi Tubes)
Temperature - Uncorrected - End	98 Degrees C
Temperature - Uncorrected - Start	98 Degrees C

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900

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South Jersey Service Center

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice)	Samplers Name (Printed)	Site/Project Identification
Steven Cahill	Michael Natrin	CleanBay Renewables
Company: Duffield Associates	P. O. #: 12430.EA	State (Location of site): NJ: ☐ NY: ☐ Other: DE
		Regulatory Program: DKQP: ☐
Address: 5400 Limestone Road	Analysis Turnaround Time: Standard ☑	
City: Wilmington State: DE	Rush Charges Authorized For: 3 Day ☐ 2 Day ☐ Other ☐	
Phone: 302-239-6634 Email:		

Sample Identification	Date	Time	Matrix	No. of Cont.	TCL VOA	TCL SVOA	TCL Pest.	TCL Herb.	TAL Metals (Dissolved)							LAB USE ONLY Project No: / Job No: 199723 / Sample Numbers
MW-2	12/23/19	0945	GW	10	X	X	X	X	X							1
MW-1	↓	1135	↓	10	X	X	X	X	X							2
Duplicate	↓	1200	↓	10	X	X	X	X	X							3
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:												
6 = Other _____, 7 = Other _____				Water:	1, 2	1	1	1	1, 3							

460-199723 Chain of Custody

Special Instructions

Water Metals Field Filtered (Yes/No)? Yes

Relinquished by	Company	Date / Time	Received by	Company
1)	DAI	12/24/19 1150	1)	EP
2)	EP	12/24/19 1405	2)	ETA
3)	ETA	12/24/19 1600	3)	TAEDD 12/24/19 1600
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578)

4.5c #8 5.0c 4.8c

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 199723

Number of Coolers: 3 | IR Gun #: 2

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1	°C	°C	Cooler #4	°C	°C	Cooler #7	°C	°C
Cooler #2	°C	°C	Cooler #5	°C	°C	Cooler #8	°C	°C
Cooler #3	4.7 °C	°C	Cooler #6	°C	°C	Cooler #9	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				✓2											
2				✓2											
3				✓2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: DM **Date:** 12/24/19

Login Sample Receipt Checklist

Client: Duffield Associates

Job Number: 460-199723-1

Login Number: 199723
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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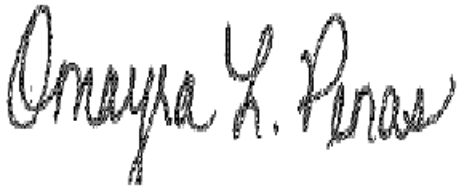
ANALYTICAL REPORT

Job Number: 460-199160-1

Job Description: Clean Bay Renewables

For:
Duffield Associates
5400 Limestone Road
Wilmington, DE 19808

Attention: Mr. Steven Cahill



Approved for release.
Omayra Penas
Senior Project Manager
12/30/2019 4:47 PM

Omayra Penas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)593-2538
omayra.penas@testamericainc.com
12/30/2019

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

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CASE NARRATIVE

Client: Duffield Associates

Project: Clean Bay Renewables

Report Number: 460-199160-1

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

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

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

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

RECEIPT

The samples were received on 12/17/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the 4 coolers at receipt time were 3.0º C, 3.5º C, 4.0º C and 4.5º C.

One or more containers for the following sample(s) was received broken or leaking: Sample #2 two amber liters received broken / Sample #3 one amber liter received broken.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-4 (460-199160-1), MW-3 (460-199160-2), Equipment Blank (460-199160-3) and Trip Blank (460-199160-4) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 12/26/2019 and 12/27/2019.

The continuing calibration verification (CCV) analyzed in batch 460-665310 was outside the method criteria for Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-665200 was outside the method criteria for Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Acetone was detected in method blank MB 460-665310/8 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

1,2,4-Trichlorobenzene failed the recovery criteria high for the MS/MSD of sample 240-124013-4 in batch 460-665310.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-4 (460-199160-1), MW-3 (460-199160-2) and Equipment Blank (460-199160-3) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 12/19/2019 and analyzed on 12/19/2019 and 12/20/2019.

The continuing calibration verification (CCV) associated with batch 460-663779 recovered above the upper control limit for 2,4-Dinitrophenol, 4-Nitrophenol, Indeno[1,2,3-cd]pyrene, 2,3,4,6-Tetrachlorophenol, Benzo[g,h,i]perylene, 4,6-Dinitro-2-methylphenol, Dibenz(a,h)anthracene and 2-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-663779 recovered above the upper control limit for Caprolactam. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for preparation batch 460-663597 and analytical batch 460-663779 recovered outside control limits for the following analytes: 2,4-Dinitrophenol. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample MW-4MS (460-199160-1) in batch 460-663779. 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol failed the recovery criteria high.

2,4-Dinitrophenol, 2-Nitrophenol and 4,6-Dinitro-2-methylphenol failed the recovery criteria high for the MSD of sample MW-4MSD (460-199160-1) in batch 460-663779. 3,3'-Dichlorobenzidine, 3-Nitroaniline and 4-Chloroaniline exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples MW-4 (460-199160-1), MW-3 (460-199160-2) and Equipment Blank (460-199160-3) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 12/20/2019 and analyzed on 12/24/2019.

The matrix spike duplicate (MSD) recoveries for the following sample associated with preparation batch 460-663943 and analytical batch 460-664746 were outside control limits: MW-4 (460-199160-1[MSD]) . Samples were non detected for analytes The associated laboratory control sample (LCS) recovery met acceptance criteria.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-663943 and analytical batch 460-664344 recovered outside control limits for all analytes: . (LCSD 460-663943/3-A).

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples MW-4 (460-199160-1), MW-3 (460-199160-2) and Equipment Blank (460-199160-3) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared and analyzed on 12/20/2019.

The closing continuing calibration verification (CCVC) associated with batch 460-663863 recovered above the upper control limit for 2,4,5-T. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCVC) associated with batch 460-663863 recovered above the upper control limit for Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples MW-4 (460-199160-1), MW-3 (460-199160-2) and Equipment Blank (460-199160-3) were analyzed for Metals (ICP) in accordance with 6020B. The samples were prepared and analyzed on 12/27/2019.

Calcium, Dissolved failed the recovery criteria low for the MS of sample MW-4MS (460-199160-1) in batch 460-665426.

Beryllium, Dissolved exceeded the RPD limit for the duplicate of sample MW-4DU (460-199160-1). .

Refer to the QC report for details.

No other difficulties were encountered during the Metals (ICP) analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Samples MW-4 (460-199160-1), MW-3 (460-199160-2) and Equipment Blank (460-199160-3) were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 12/30/2019.

No difficulties were encountered during the dissolved Hg analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Duffield Associates
Job ID: 460-199160-1
Project/Site: Clean Bay Renewables

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-199160-1	MW-4	Water	12/16/19 11:45	12/17/19 20:45	
460-199160-2	MW-3	Water	12/16/19 13:15	12/17/19 20:45	
460-199160-3	Equipment Blank	Water	12/16/19 13:15	12/17/19 20:45	
460-199160-4	Trip Blank	Water	12/16/19 10:00	12/17/19 20:45	

Detection Summary

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199160-1

Client Sample ID: MW-4 — Lab Sample ID: 460-199160-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	340		4.0	1.2	ug/L	2		6020B	Dissolved
Beryllium, Dissolved	0.49	J	0.80	0.25	ug/L	2		6020B	Dissolved
Cobalt, Dissolved	3.4	J	4.0	1.6	ug/L	2		6020B	Dissolved
Manganese, Dissolved	72.7		8.0	2.9	ug/L	2		6020B	Dissolved
Lead, Dissolved	0.58	J	1.2	0.55	ug/L	2		6020B	Dissolved
Aluminum, Dissolved	195		40.0	18.8	ug/L	2		6020B	Dissolved
Sodium, Dissolved	7640		200	128	ug/L	2		6020B	Dissolved
Magnesium, Dissolved	6510		200	73.7	ug/L	2		6020B	Dissolved
Potassium, Dissolved	4110		200	86.7	ug/L	2		6020B	Dissolved
Calcium, Dissolved	17200		200	98.8	ug/L	2		6020B	Dissolved

Client Sample ID: MW-3 — Lab Sample ID: 460-199160-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	5.3		1.0	0.38	ug/L	1		8260C	Total/NA
Barium, Dissolved	404		4.0	1.2	ug/L	2		6020B	Dissolved
Beryllium, Dissolved	0.36	J	0.80	0.25	ug/L	2		6020B	Dissolved
Cobalt, Dissolved	3.3	J	4.0	1.6	ug/L	2		6020B	Dissolved
Manganese, Dissolved	84.4		8.0	2.9	ug/L	2		6020B	Dissolved
Nickel, Dissolved	2.5	J	4.0	2.4	ug/L	2		6020B	Dissolved
Sodium, Dissolved	6980		200	128	ug/L	2		6020B	Dissolved
Magnesium, Dissolved	6070		200	73.7	ug/L	2		6020B	Dissolved
Potassium, Dissolved	6810		200	86.7	ug/L	2		6020B	Dissolved
Calcium, Dissolved	13400		200	98.8	ug/L	2		6020B	Dissolved

Client Sample ID: Equipment Blank — Lab Sample ID: 460-199160-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.38	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 460-199160-4

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Duffield Associates
Job ID: 460-199160-1
Project/Site: Clean Bay Renewables

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-4
Lab Sample ID: 460-199160-1

Date Collected: 12/16/19 11:45
Matrix: Water
Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/27/19 09:11	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/27/19 09:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/27/19 09:11	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/27/19 09:11	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/27/19 09:11	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/27/19 09:11	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/27/19 09:11	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/27/19 09:11	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/27/19 09:11	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/27/19 09:11	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/27/19 09:11	1
1,4-Dioxane	28	U	50	28	ug/L			12/27/19 09:11	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/27/19 09:11	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/27/19 09:11	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/27/19 09:11	1
Acetone	4.4	U	5.0	4.4	ug/L			12/27/19 09:11	1
Benzene	0.20	U	1.0	0.20	ug/L			12/27/19 09:11	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/27/19 09:11	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/27/19 09:11	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/27/19 09:11	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/27/19 09:11	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/27/19 09:11	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/27/19 09:11	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/27/19 09:11	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/27/19 09:11	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/27/19 09:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/27/19 09:11	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/27/19 09:11	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/27/19 09:11	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/27/19 09:11	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/27/19 09:11	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/27/19 09:11	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/27/19 09:11	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/27/19 09:11	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/27/19 09:11	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/27/19 09:11	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/27/19 09:11	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/27/19 09:11	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/27/19 09:11	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/27/19 09:11	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/27/19 09:11	1
Styrene	0.42	U	1.0	0.42	ug/L			12/27/19 09:11	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/27/19 09:11	1
Toluene	0.38	U	1.0	0.38	ug/L			12/27/19 09:11	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/27/19 09:11	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/27/19 09:11	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/27/19 09:11	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/27/19 09:11	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/27/19 09:11	1

Client Sample ID: MW-4
Lab Sample ID: 460-199160-1

Date Collected: 12/16/19 11:45
Matrix: Water

Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/27/19 09:11	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/27/19 09:11	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/27/19 09:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/27/19 09:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*74 - 132*		*12/27/19 09:11*	*1*
4-Bromofluorobenzene	*103*		*77 - 124*		*12/27/19 09:11*	*1*
Dibromofluoromethane (Surr)	*106*		*72 - 131*		*12/27/19 09:11*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/27/19 09:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 23:51	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,4-Dinitrophenol	14	U F1 *	20	14	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/19/19 09:31	12/19/19 23:51	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/19/19 09:31	12/19/19 23:51	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 23:51	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/19/19 09:31	12/19/19 23:51	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 23:51	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/19/19 09:31	12/19/19 23:51	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/19/19 09:31	12/19/19 23:51	1
2-Nitrophenol	0.75	U F1	10	0.75	ug/L		12/19/19 09:31	12/19/19 23:51	1
3,3'-Dichlorobenzidine	1.4	U F1 F2	10	1.4	ug/L		12/19/19 09:31	12/19/19 23:51	1
3-Nitroaniline	1.9	U F2	10	1.9	ug/L		12/19/19 09:31	12/19/19 23:51	1
4,6-Dinitro-2-methylphenol	13	U F1	20	13	ug/L		12/19/19 09:31	12/19/19 23:51	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/19/19 23:51	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/19/19 23:51	1
4-Chloroaniline	1.9	U F1 F2	10	1.9	ug/L		12/19/19 09:31	12/19/19 23:51	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/19/19 09:31	12/19/19 23:51	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/19/19 09:31	12/19/19 23:51	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 23:51	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/19/19 09:31	12/19/19 23:51	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 23:51	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/19/19 09:31	12/19/19 23:51	1
Acetophenone	2.3	U	10	2.3	ug/L		12/19/19 09:31	12/19/19 23:51	1
Anthracene	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/19/19 23:51	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/19/19 09:31	12/19/19 23:51	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/19/19 09:31	12/19/19 23:51	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/19/19 09:31	12/19/19 23:51	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/19/19 09:31	12/19/19 23:51	1

Client Sample ID: MW-4
Lab Sample ID: 460-199160-1

Date Collected: 12/16/19 11:45
Matrix: Water

Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/19/19 09:31	12/19/19 23:51	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/19/19 09:31	12/19/19 23:51	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/19/19 09:31	12/19/19 23:51	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/19/19 09:31	12/19/19 23:51	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/19/19 09:31	12/19/19 23:51	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/19/19 09:31	12/19/19 23:51	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/19/19 09:31	12/19/19 23:51	1
Caprolactam	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/19/19 23:51	1
Carbazole	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/19/19 23:51	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/19/19 09:31	12/19/19 23:51	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/19/19 09:31	12/19/19 23:51	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 23:51	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/19/19 09:31	12/19/19 23:51	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/19/19 09:31	12/19/19 23:51	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/19/19 23:51	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/19/19 09:31	12/19/19 23:51	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/19/19 23:51	1
Fluorene	0.91	U	10	0.91	ug/L		12/19/19 09:31	12/19/19 23:51	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/19/19 09:31	12/19/19 23:51	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/19/19 09:31	12/19/19 23:51	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/19/19 09:31	12/19/19 23:51	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/19/19 09:31	12/19/19 23:51	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/19/19 09:31	12/19/19 23:51	1
Isophorone	0.80	U	10	0.80	ug/L		12/19/19 09:31	12/19/19 23:51	1
Naphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 23:51	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/19/19 09:31	12/19/19 23:51	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/19/19 09:31	12/19/19 23:51	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/19/19 09:31	12/19/19 23:51	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/19/19 09:31	12/19/19 23:51	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/19/19 23:51	1
Phenol	0.29	U	10	0.29	ug/L		12/19/19 09:31	12/19/19 23:51	1
Pyrene	1.6	U	10	1.6	ug/L		12/19/19 09:31	12/19/19 23:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexanoic acid, 2-ethyl-	*60*	*J N*	*ug/L*		*4.92*	*149-57-5*	*12/19/19 09:31*	*12/19/19 23:51*	*1*
Benzoic acid	*7.2*	*J * F1*	*ug/L*		*5.20*	*65-85-0*	*12/19/19 09:31*	*12/19/19 23:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*121*		*26 - 139*	*12/19/19 09:31*	*12/19/19 23:51*	*1*
2-Fluorobiphenyl	*59*		*45 - 107*	*12/19/19 09:31*	*12/19/19 23:51*	*1*
2-Fluorophenol (Surr)	*45*		*25 - 58*	*12/19/19 09:31*	*12/19/19 23:51*	*1*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*	*12/19/19 09:31*	*12/19/19 23:51*	*1*
Phenol-d5 (Surr)	*32*		*14 - 39*	*12/19/19 09:31*	*12/19/19 23:51*	*1*
Terphenyl-d14 (Surr)	*111*		*40 - 148*	*12/19/19 09:31*	*12/19/19 23:51*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U F1	0.020	0.0060	ug/L		12/20/19 09:41	12/24/19 06:34	1
4,4'-DDE	0.0020	U F1	0.020	0.0020	ug/L		12/20/19 09:41	12/24/19 06:34	1
4,4'-DDT	0.0040	U F1	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 06:34	1

Client Sample ID: MW-4
Lab Sample ID: 460-199160-1

Date Collected: 12/16/19 11:45
Matrix: Water

Date Received: 12/17/19 20:45

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0030	U F1	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 06:34	1
alpha-BHC	0.0070	U F1	0.020	0.0070	ug/L		12/20/19 09:41	12/24/19 06:34	1
beta-BHC	0.0040	U F1	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 06:34	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/20/19 09:41	12/24/19 06:34	1
delta-BHC	0.0050	U F1	0.020	0.0050	ug/L		12/20/19 09:41	12/24/19 06:34	1
Dieldrin	0.0030	U F1	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 06:34	1
Endosulfan I	0.0020	U F1	0.020	0.0020	ug/L		12/20/19 09:41	12/24/19 06:34	1
Endosulfan II	0.0040	U F1	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 06:34	1
Endosulfan sulfate	0.0060	U F1	0.020	0.0060	ug/L		12/20/19 09:41	12/24/19 06:34	1
Endrin	0.0040	U F1	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 06:34	1
Endrin aldehyde	0.0080	U F1	0.020	0.0080	ug/L		12/20/19 09:41	12/24/19 06:34	1
Endrin ketone	0.0080	U F1	0.020	0.0080	ug/L		12/20/19 09:41	12/24/19 06:34	1
gamma-BHC (Lindane)	0.012	U F1	0.020	0.012	ug/L		12/20/19 09:41	12/24/19 06:34	1
Heptachlor	0.0030	U F1	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 06:34	1
Heptachlor epoxide	0.0050	U F1	0.020	0.0050	ug/L		12/20/19 09:41	12/24/19 06:34	1
Methoxychlor	0.0040	U F1	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 06:34	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/20/19 09:41	12/24/19 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*12/20/19 09:41*	*12/24/19 06:34*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*12/20/19 09:41*	*12/24/19 06:34*	*1*
Tetrachloro-m-xylene	*64*		*12 - 136*	*12/20/19 09:41*	*12/24/19 06:34*	*1*
Tetrachloro-m-xylene	*65*		*12 - 136*	*12/20/19 09:41*	*12/24/19 06:34*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/20/19 01:22	12/20/19 10:57	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/20/19 01:22	12/20/19 10:57	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/20/19 01:22	12/20/19 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*105*		*54 - 150*	*12/20/19 01:22*	*12/20/19 10:57*	*1*
2,4-Dichlorophenylacetic acid	*106*		*54 - 150*	*12/20/19 01:22*	*12/20/19 10:57*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.59	U	2.0	0.59	ug/L		12/27/19 15:20	12/27/19 15:54	2
Arsenic, Dissolved	0.73	U	2.0	0.73	ug/L		12/27/19 15:20	12/27/19 15:54	2
Barium, Dissolved	**340**		4.0	1.2	ug/L		12/27/19 15:20	12/27/19 15:54	2
Beryllium, Dissolved	**0.49**	**J**	0.80	0.25	ug/L		12/27/19 15:20	12/27/19 15:54	2
Cadmium, Dissolved	0.81	U	2.0	0.81	ug/L		12/27/19 15:20	12/27/19 15:54	2
Cobalt, Dissolved	**3.4**	**J**	4.0	1.6	ug/L		12/27/19 15:20	12/27/19 15:54	2
Chromium, Dissolved	2.3	U	4.0	2.3	ug/L		12/27/19 15:20	12/27/19 15:54	2
Copper, Dissolved	2.0	U	4.0	2.0	ug/L		12/27/19 15:20	12/27/19 15:54	2
Manganese, Dissolved	**72.7**		8.0	2.9	ug/L		12/27/19 15:20	12/27/19 15:54	2
Nickel, Dissolved	2.4	U	4.0	2.4	ug/L		12/27/19 15:20	12/27/19 15:54	2
Lead, Dissolved	**0.58**	**J**	1.2	0.55	ug/L		12/27/19 15:20	12/27/19 15:54	2
Antimony, Dissolved	0.40	U	2.0	0.40	ug/L		12/27/19 15:20	12/27/19 15:54	2
Selenium, Dissolved	5.4	U	10.0	5.4	ug/L		12/27/19 15:20	12/27/19 15:54	2
Vanadium, Dissolved	1.1	U	4.0	1.1	ug/L		12/27/19 15:20	12/27/19 15:54	2

Client Sample ID: MW-4
Lab Sample ID: 460-199160-1
Date Collected: 12/16/19 11:45
Matrix: Water
Date Received: 12/17/19 20:45

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc, Dissolved	11.1	U	16.0	11.1	ug/L		12/27/19 15:20	12/27/19 15:54	2
Aluminum, Dissolved	**195**		40.0	18.8	ug/L		12/27/19 15:20	12/27/19 15:54	2
Sodium, Dissolved	**7640**		200	128	ug/L		12/27/19 15:20	12/27/19 15:54	2
Magnesium, Dissolved	**6510**		200	73.7	ug/L		12/27/19 15:20	12/27/19 15:54	2
Potassium, Dissolved	**4110**		200	86.7	ug/L		12/27/19 15:20	12/27/19 15:54	2
Calcium, Dissolved	**17200**		200	98.8	ug/L		12/27/19 15:20	12/27/19 15:54	2
Iron, Dissolved	51.1	U	120	51.1	ug/L		12/27/19 15:20	12/27/19 15:54	2
Thallium, Dissolved	0.16	U	0.80	0.16	ug/L		12/27/19 15:20	12/27/19 15:54	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 08:30	1

Client Sample ID: MW-3
Lab Sample ID: 460-199160-2
Date Collected: 12/16/19 13:15
Matrix: Water
Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/27/19 04:59	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/27/19 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/27/19 04:59	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/27/19 04:59	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/27/19 04:59	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/27/19 04:59	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/27/19 04:59	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/27/19 04:59	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/27/19 04:59	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/27/19 04:59	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/27/19 04:59	1
1,4-Dioxane	28	U	50	28	ug/L			12/27/19 04:59	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/27/19 04:59	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/27/19 04:59	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/27/19 04:59	1
Acetone	4.4	U	5.0	4.4	ug/L			12/27/19 04:59	1
Benzene	0.20	U	1.0	0.20	ug/L			12/27/19 04:59	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/27/19 04:59	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/27/19 04:59	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/27/19 04:59	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/27/19 04:59	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/27/19 04:59	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/27/19 04:59	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/27/19 04:59	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/27/19 04:59	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/27/19 04:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/27/19 04:59	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/27/19 04:59	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/27/19 04:59	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/27/19 04:59	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/27/19 04:59	1

Client Sample ID: MW-3
Date Collected: 12/16/19 13:15
Date Received: 12/17/19 20:45

Lab Sample ID: 460-199160-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/27/19 04:59	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/27/19 04:59	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/27/19 04:59	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/27/19 04:59	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/27/19 04:59	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/27/19 04:59	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/27/19 04:59	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/27/19 04:59	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/27/19 04:59	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/27/19 04:59	1
Styrene	0.42	U	1.0	0.42	ug/L			12/27/19 04:59	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/27/19 04:59	1
Toluene	**5.3**		1.0	0.38	ug/L			12/27/19 04:59	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/27/19 04:59	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/27/19 04:59	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/27/19 04:59	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/27/19 04:59	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/27/19 04:59	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/27/19 04:59	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/27/19 04:59	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/27/19 04:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Butanoic acid	*5.5*	*J N*	*ug/L*		*7.99*	*107-92-6*		*12/27/19 04:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*		*12/27/19 04:59*	*1*
4-Bromofluorobenzene	*103*		*77 - 124*		*12/27/19 04:59*	*1*
Dibromofluoromethane (Surr)	*105*		*72 - 131*		*12/27/19 04:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/27/19 04:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 00:54	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,4-Dinitrophenol	14	U *	20	14	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/19/19 09:31	12/20/19 00:54	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/19/19 09:31	12/20/19 00:54	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 00:54	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/19/19 09:31	12/20/19 00:54	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 00:54	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/19/19 09:31	12/20/19 00:54	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/19/19 09:31	12/20/19 00:54	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/20/19 00:54	1

Client Sample ID: MW-3
Date Collected: 12/16/19 13:15
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Lab Sample ID: 460-199160-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/19/19 09:31	12/20/19 00:54	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/19/19 09:31	12/20/19 00:54	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/19/19 09:31	12/20/19 00:54	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/20/19 00:54	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/20/19 00:54	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/19/19 09:31	12/20/19 00:54	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/19/19 09:31	12/20/19 00:54	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/19/19 09:31	12/20/19 00:54	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 00:54	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/19/19 09:31	12/20/19 00:54	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 00:54	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/19/19 09:31	12/20/19 00:54	1
Acetophenone	2.3	U	10	2.3	ug/L		12/19/19 09:31	12/20/19 00:54	1
Anthracene	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/20/19 00:54	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/19/19 09:31	12/20/19 00:54	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/19/19 09:31	12/20/19 00:54	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/19/19 09:31	12/20/19 00:54	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/19/19 09:31	12/20/19 00:54	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/19/19 09:31	12/20/19 00:54	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/19/19 09:31	12/20/19 00:54	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/19/19 09:31	12/20/19 00:54	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/19/19 09:31	12/20/19 00:54	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/19/19 09:31	12/20/19 00:54	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/19/19 09:31	12/20/19 00:54	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/19/19 09:31	12/20/19 00:54	1
Caprolactam	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/20/19 00:54	1
Carbazole	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/20/19 00:54	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/19/19 09:31	12/20/19 00:54	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/19/19 09:31	12/20/19 00:54	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 00:54	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/19/19 09:31	12/20/19 00:54	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/19/19 09:31	12/20/19 00:54	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/20/19 00:54	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/19/19 09:31	12/20/19 00:54	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/20/19 00:54	1
Fluorene	0.91	U	10	0.91	ug/L		12/19/19 09:31	12/20/19 00:54	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/19/19 09:31	12/20/19 00:54	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/19/19 09:31	12/20/19 00:54	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/19/19 09:31	12/20/19 00:54	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/19/19 09:31	12/20/19 00:54	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/19/19 09:31	12/20/19 00:54	1
Isophorone	0.80	U	10	0.80	ug/L		12/19/19 09:31	12/20/19 00:54	1
Naphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 00:54	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/19/19 09:31	12/20/19 00:54	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/19/19 09:31	12/20/19 00:54	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/19/19 09:31	12/20/19 00:54	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/19/19 09:31	12/20/19 00:54	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/20/19 00:54	1
Phenol	0.29	U	10	0.29	ug/L		12/19/19 09:31	12/20/19 00:54	1

Client Sample ID: MW-3
Date Collected: 12/16/19 13:15
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Lab Sample ID: 460-199160-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	1.6	U	10	1.6	ug/L		12/19/19 09:31	12/20/19 00:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*12/19/19 09:31*	*12/20/19 00:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*26 - 139*	*12/19/19 09:31*	*12/20/19 00:54*	*1*
2-Fluorobiphenyl	*59*		*45 - 107*	*12/19/19 09:31*	*12/20/19 00:54*	*1*
2-Fluorophenol (Surr)	*42*		*25 - 58*	*12/19/19 09:31*	*12/20/19 00:54*	*1*
Nitrobenzene-d5 (Surr)	*86*		*51 - 108*	*12/19/19 09:31*	*12/20/19 00:54*	*1*
Phenol-d5 (Surr)	*30*		*14 - 39*	*12/19/19 09:31*	*12/20/19 00:54*	*1*
Terphenyl-d14 (Surr)	*103*		*40 - 148*	*12/19/19 09:31*	*12/20/19 00:54*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/24/19 07:21	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/24/19 07:21	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:21	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 07:21	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/20/19 09:41	12/24/19 07:21	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:21	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/20/19 09:41	12/24/19 07:21	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/24/19 07:21	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 07:21	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/24/19 07:21	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:21	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/24/19 07:21	1
Endrin	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:21	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/24/19 07:21	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/24/19 07:21	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/20/19 09:41	12/24/19 07:21	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 07:21	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/24/19 07:21	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:21	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/20/19 09:41	12/24/19 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*12/20/19 09:41*	*12/24/19 07:21*	*1*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*12/20/19 09:41*	*12/24/19 07:21*	*1*
Tetrachloro-m-xylene	*66*		*12 - 136*	*12/20/19 09:41*	*12/24/19 07:21*	*1*
Tetrachloro-m-xylene	*71*		*12 - 136*	*12/20/19 09:41*	*12/24/19 07:21*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/20/19 01:22	12/20/19 11:41	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/20/19 01:22	12/20/19 11:41	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/20/19 01:22	12/20/19 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*54 - 150*	*12/20/19 01:22*	*12/20/19 11:41*	*1*
2,4-Dichlorophenylacetic acid	*108*		*54 - 150*	*12/20/19 01:22*	*12/20/19 11:41*	*1*

Client Sample ID: MW-3
Lab Sample ID: 460-199160-2
Date Collected: 12/16/19 13:15
Matrix: Water
Date Received: 12/17/19 20:45

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.59	U	2.0	0.59	ug/L		12/27/19 15:20	12/27/19 15:59	2
Arsenic, Dissolved	0.73	U	2.0	0.73	ug/L		12/27/19 15:20	12/27/19 15:59	2
Barium, Dissolved	**404**		4.0	1.2	ug/L		12/27/19 15:20	12/27/19 15:59	2
Beryllium, Dissolved	**0.36**	**J**	0.80	0.25	ug/L		12/27/19 15:20	12/27/19 15:59	2
Cadmium, Dissolved	0.81	U	2.0	0.81	ug/L		12/27/19 15:20	12/27/19 15:59	2
Cobalt, Dissolved	**3.3**	**J**	4.0	1.6	ug/L		12/27/19 15:20	12/27/19 15:59	2
Chromium, Dissolved	2.3	U	4.0	2.3	ug/L		12/27/19 15:20	12/27/19 15:59	2
Copper, Dissolved	2.0	U	4.0	2.0	ug/L		12/27/19 15:20	12/27/19 15:59	2
Manganese, Dissolved	**84.4**		8.0	2.9	ug/L		12/27/19 15:20	12/27/19 15:59	2
Nickel, Dissolved	**2.5**	**J**	4.0	2.4	ug/L		12/27/19 15:20	12/27/19 15:59	2
Lead, Dissolved	0.55	U	1.2	0.55	ug/L		12/27/19 15:20	12/27/19 15:59	2
Antimony, Dissolved	0.40	U	2.0	0.40	ug/L		12/27/19 15:20	12/27/19 15:59	2
Selenium, Dissolved	5.4	U	10.0	5.4	ug/L		12/27/19 15:20	12/27/19 15:59	2
Vanadium, Dissolved	1.1	U	4.0	1.1	ug/L		12/27/19 15:20	12/27/19 15:59	2
Zinc, Dissolved	11.1	U	16.0	11.1	ug/L		12/27/19 15:20	12/27/19 15:59	2
Aluminum, Dissolved	18.8	U	40.0	18.8	ug/L		12/27/19 15:20	12/27/19 15:59	2
Sodium, Dissolved	**6980**		200	128	ug/L		12/27/19 15:20	12/27/19 15:59	2
Magnesium, Dissolved	**6070**		200	73.7	ug/L		12/27/19 15:20	12/27/19 15:59	2
Potassium, Dissolved	**6810**		200	86.7	ug/L		12/27/19 15:20	12/27/19 15:59	2
Calcium, Dissolved	**13400**		200	98.8	ug/L		12/27/19 15:20	12/27/19 15:59	2
Iron, Dissolved	51.1	U	120	51.1	ug/L		12/27/19 15:20	12/27/19 15:59	2
Thallium, Dissolved	0.16	U	0.80	0.16	ug/L		12/27/19 15:20	12/27/19 15:59	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 08:37	1

Client Sample ID: Equipment Blank
Lab Sample ID: 460-199160-3
Date Collected: 12/16/19 13:15
Matrix: Water
Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/26/19 23:06	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/26/19 23:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/26/19 23:06	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/26/19 23:06	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/26/19 23:06	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/26/19 23:06	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/26/19 23:06	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/26/19 23:06	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/26/19 23:06	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/26/19 23:06	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/26/19 23:06	1
1,4-Dioxane	28	U	50	28	ug/L			12/26/19 23:06	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/26/19 23:06	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/26/19 23:06	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/26/19 23:06	1
Acetone	4.4	U	5.0	4.4	ug/L			12/26/19 23:06	1
Benzene	0.20	U	1.0	0.20	ug/L			12/26/19 23:06	1

Client Sample ID: Equipment Blank
Lab Sample ID: 460-199160-3

Date Collected: 12/16/19 13:15
Matrix: Water

Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.54	U	1.0	0.54	ug/L			12/26/19 23:06	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/26/19 23:06	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/26/19 23:06	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/26/19 23:06	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/26/19 23:06	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/26/19 23:06	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/26/19 23:06	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/26/19 23:06	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/26/19 23:06	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/26/19 23:06	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/26/19 23:06	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/26/19 23:06	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/26/19 23:06	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/26/19 23:06	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/26/19 23:06	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/26/19 23:06	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/26/19 23:06	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/26/19 23:06	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/26/19 23:06	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/26/19 23:06	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/26/19 23:06	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/26/19 23:06	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/26/19 23:06	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/26/19 23:06	1
Styrene	0.42	U	1.0	0.42	ug/L			12/26/19 23:06	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/26/19 23:06	1
Toluene	**0.38**	**J**	1.0	0.38	ug/L			12/26/19 23:06	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/26/19 23:06	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/26/19 23:06	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/26/19 23:06	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/26/19 23:06	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/26/19 23:06	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/26/19 23:06	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/26/19 23:06	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/26/19 23:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/26/19 23:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*74 - 132*		*12/26/19 23:06*	*1*
4-Bromofluorobenzene	*102*		*77 - 124*		*12/26/19 23:06*	*1*
Dibromofluoromethane (Surr)	*107*		*72 - 131*		*12/26/19 23:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/26/19 23:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 01:14	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/20/19 01:14	1

Client Sample ID: Equipment Blank
Lab Sample ID: 460-199160-3

Date Collected: 12/16/19 13:15
Matrix: Water

Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,4-Dinitrophenol	14	U *	20	14	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/19/19 09:31	12/20/19 01:14	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/19/19 09:31	12/20/19 01:14	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 01:14	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/19/19 09:31	12/20/19 01:14	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 01:14	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/19/19 09:31	12/20/19 01:14	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/19/19 09:31	12/20/19 01:14	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/20/19 01:14	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/19/19 09:31	12/20/19 01:14	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/19/19 09:31	12/20/19 01:14	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/19/19 09:31	12/20/19 01:14	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/20/19 01:14	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/20/19 01:14	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/19/19 09:31	12/20/19 01:14	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/19/19 09:31	12/20/19 01:14	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/19/19 09:31	12/20/19 01:14	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/20/19 01:14	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/19/19 09:31	12/20/19 01:14	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 01:14	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/19/19 09:31	12/20/19 01:14	1
Acetophenone	2.3	U	10	2.3	ug/L		12/19/19 09:31	12/20/19 01:14	1
Anthracene	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/20/19 01:14	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/19/19 09:31	12/20/19 01:14	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/19/19 09:31	12/20/19 01:14	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/19/19 09:31	12/20/19 01:14	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/19/19 09:31	12/20/19 01:14	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/19/19 09:31	12/20/19 01:14	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/19/19 09:31	12/20/19 01:14	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/19/19 09:31	12/20/19 01:14	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/19/19 09:31	12/20/19 01:14	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/19/19 09:31	12/20/19 01:14	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/19/19 09:31	12/20/19 01:14	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/19/19 09:31	12/20/19 01:14	1
Caprolactam	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/20/19 01:14	1
Carbazole	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/20/19 01:14	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/19/19 09:31	12/20/19 01:14	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/19/19 09:31	12/20/19 01:14	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 01:14	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/19/19 09:31	12/20/19 01:14	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/19/19 09:31	12/20/19 01:14	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/20/19 01:14	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/19/19 09:31	12/20/19 01:14	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/20/19 01:14	1

Client Sample ID: Equipment Blank
Lab Sample ID: 460-199160-3

Date Collected: 12/16/19 13:15
Matrix: Water

Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.91	U	10	0.91	ug/L		12/19/19 09:31	12/20/19 01:14	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/19/19 09:31	12/20/19 01:14	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/19/19 09:31	12/20/19 01:14	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/19/19 09:31	12/20/19 01:14	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/19/19 09:31	12/20/19 01:14	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/19/19 09:31	12/20/19 01:14	1
Isophorone	0.80	U	10	0.80	ug/L		12/19/19 09:31	12/20/19 01:14	1
Naphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/20/19 01:14	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/19/19 09:31	12/20/19 01:14	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/19/19 09:31	12/20/19 01:14	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/19/19 09:31	12/20/19 01:14	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/19/19 09:31	12/20/19 01:14	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/20/19 01:14	1
Phenol	0.29	U	10	0.29	ug/L		12/19/19 09:31	12/20/19 01:14	1
Pyrene	1.6	U	10	1.6	ug/L		12/19/19 09:31	12/20/19 01:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*12/19/19 09:31*	*12/20/19 01:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*121*		*26 - 139*	*12/19/19 09:31*	*12/20/19 01:14*	*1*
2-Fluorobiphenyl	*76*		*45 - 107*	*12/19/19 09:31*	*12/20/19 01:14*	*1*
2-Fluorophenol (Surr)	*51*		*25 - 58*	*12/19/19 09:31*	*12/20/19 01:14*	*1*
Nitrobenzene-d5 (Surr)	*103*		*51 - 108*	*12/19/19 09:31*	*12/20/19 01:14*	*1*
Phenol-d5 (Surr)	*36*		*14 - 39*	*12/19/19 09:31*	*12/20/19 01:14*	*1*
Terphenyl-d14 (Surr)	*127*		*40 - 148*	*12/19/19 09:31*	*12/20/19 01:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/24/19 07:36	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/24/19 07:36	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:36	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 07:36	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/20/19 09:41	12/24/19 07:36	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:36	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/20/19 09:41	12/24/19 07:36	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/24/19 07:36	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 07:36	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/24/19 07:36	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:36	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/24/19 07:36	1
Endrin	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:36	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/24/19 07:36	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/24/19 07:36	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/20/19 09:41	12/24/19 07:36	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/24/19 07:36	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/24/19 07:36	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/24/19 07:36	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/20/19 09:41	12/24/19 07:36	1

Client Sample ID: Equipment Blank
Lab Sample ID: 460-199160-3

Date Collected: 12/16/19 13:15
Matrix: Water
Date Received: 12/17/19 20:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*12/20/19 09:41*	*12/24/19 07:36*	*1*
DCB Decachlorobiphenyl	*64*		*10 - 150*	*12/20/19 09:41*	*12/24/19 07:36*	*1*
Tetrachloro-m-xylene	*70*		*12 - 136*	*12/20/19 09:41*	*12/24/19 07:36*	*1*
Tetrachloro-m-xylene	*70*		*12 - 136*	*12/20/19 09:41*	*12/24/19 07:36*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/20/19 01:22	12/20/19 11:56	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/20/19 01:22	12/20/19 11:56	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/20/19 01:22	12/20/19 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*99*		*54 - 150*	*12/20/19 01:22*	*12/20/19 11:56*	*1*
2,4-Dichlorophenylacetic acid	*102*		*54 - 150*	*12/20/19 01:22*	*12/20/19 11:56*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.59	U	2.0	0.59	ug/L		12/27/19 15:20	12/27/19 16:06	2
Arsenic, Dissolved	0.73	U	2.0	0.73	ug/L		12/27/19 15:20	12/27/19 16:06	2
Barium, Dissolved	1.2	U	4.0	1.2	ug/L		12/27/19 15:20	12/27/19 16:06	2
Beryllium, Dissolved	0.25	U	0.80	0.25	ug/L		12/27/19 15:20	12/27/19 16:06	2
Cadmium, Dissolved	0.81	U	2.0	0.81	ug/L		12/27/19 15:20	12/27/19 16:06	2
Cobalt, Dissolved	1.6	U	4.0	1.6	ug/L		12/27/19 15:20	12/27/19 16:06	2
Chromium, Dissolved	2.3	U	4.0	2.3	ug/L		12/27/19 15:20	12/27/19 16:06	2
Copper, Dissolved	2.0	U	4.0	2.0	ug/L		12/27/19 15:20	12/27/19 16:06	2
Manganese, Dissolved	2.9	U	8.0	2.9	ug/L		12/27/19 15:20	12/27/19 16:06	2
Nickel, Dissolved	2.4	U	4.0	2.4	ug/L		12/27/19 15:20	12/27/19 16:06	2
Lead, Dissolved	0.55	U	1.2	0.55	ug/L		12/27/19 15:20	12/27/19 16:06	2
Antimony, Dissolved	0.40	U	2.0	0.40	ug/L		12/27/19 15:20	12/27/19 16:06	2
Selenium, Dissolved	5.4	U	10.0	5.4	ug/L		12/27/19 15:20	12/27/19 16:06	2
Vanadium, Dissolved	1.1	U	4.0	1.1	ug/L		12/27/19 15:20	12/27/19 16:06	2
Zinc, Dissolved	11.1	U	16.0	11.1	ug/L		12/27/19 15:20	12/27/19 16:06	2
Aluminum, Dissolved	18.8	U	40.0	18.8	ug/L		12/27/19 15:20	12/27/19 16:06	2
Sodium, Dissolved	128	U	200	128	ug/L		12/27/19 15:20	12/27/19 16:06	2
Magnesium, Dissolved	73.7	U	200	73.7	ug/L		12/27/19 15:20	12/27/19 16:06	2
Potassium, Dissolved	86.7	U	200	86.7	ug/L		12/27/19 15:20	12/27/19 16:06	2
Calcium, Dissolved	98.8	U	200	98.8	ug/L		12/27/19 15:20	12/27/19 16:06	2
Iron, Dissolved	51.1	U	120	51.1	ug/L		12/27/19 15:20	12/27/19 16:06	2
Thallium, Dissolved	0.16	U	0.80	0.16	ug/L		12/27/19 15:20	12/27/19 16:06	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 08:42	1

Client Sample ID: Trip Blank
Lab Sample ID: 460-199160-4

Date Collected: 12/16/19 10:00
Matrix: Water
Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/26/19 23:26	1

Client Sample ID: Trip Blank
Lab Sample ID: 460-199160-4

Date Collected: 12/16/19 10:00
Matrix: Water

Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/26/19 23:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/26/19 23:26	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/26/19 23:26	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/26/19 23:26	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/26/19 23:26	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/26/19 23:26	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/26/19 23:26	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/26/19 23:26	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/26/19 23:26	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/26/19 23:26	1
1,4-Dioxane	28	U	50	28	ug/L			12/26/19 23:26	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/26/19 23:26	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/26/19 23:26	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/26/19 23:26	1
Acetone	4.4	U	5.0	4.4	ug/L			12/26/19 23:26	1
Benzene	0.20	U	1.0	0.20	ug/L			12/26/19 23:26	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/26/19 23:26	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/26/19 23:26	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/26/19 23:26	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/26/19 23:26	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/26/19 23:26	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/26/19 23:26	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/26/19 23:26	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/26/19 23:26	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/26/19 23:26	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/26/19 23:26	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/26/19 23:26	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/26/19 23:26	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/26/19 23:26	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/26/19 23:26	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/26/19 23:26	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/26/19 23:26	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/26/19 23:26	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/26/19 23:26	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/26/19 23:26	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/26/19 23:26	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/26/19 23:26	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/26/19 23:26	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/26/19 23:26	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/26/19 23:26	1
Styrene	0.42	U	1.0	0.42	ug/L			12/26/19 23:26	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/26/19 23:26	1
Toluene	0.38	U	1.0	0.38	ug/L			12/26/19 23:26	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/26/19 23:26	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/26/19 23:26	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/26/19 23:26	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/26/19 23:26	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/26/19 23:26	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/26/19 23:26	1

Client Sample ID: Trip Blank
Lab Sample ID: 460-199160-4

Date Collected: 12/16/19 10:00
Matrix: Water
Date Received: 12/17/19 20:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/26/19 23:26	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/26/19 23:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/26/19 23:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*74 - 132*		*12/26/19 23:26*	*1*
4-Bromofluorobenzene	*103*		*77 - 124*		*12/26/19 23:26*	*1*
Dibromofluoromethane (Surr)	*107*		*72 - 131*		*12/26/19 23:26*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/26/19 23:26*	*1*

Surrogate Summary

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199160-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
240-124013-F-4 MS	Matrix Spike	103	102	109	99
240-124013-H-4 MSD	Matrix Spike Duplicate	104	103	107	97
460-199160-1	MW-4	101	103	106	100
460-199160-1 MS	MW-4	103	102	106	99
460-199160-1 MSD	MW-4	103	103	106	99
460-199160-2	MW-3	103	103	105	101
460-199160-3	Equipment Blank	100	102	107	99
460-199160-4	Trip Blank	100	103	107	101
LCS 460-665200/5	Lab Control Sample	104	101	105	98
LCS 460-665310/4	Lab Control Sample	102	99	104	99
LCSD 460-665200/6	Lab Control Sample Dup	103	102	106	98
MB 460-665200/9	Method Blank	102	104	104	100
MB 460-665310/8	Method Blank	102	102	105	98

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
460-199160-1	MW-4	121	59	45	91	32	111
460-199160-1 MS	MW-4	120	68	44	84	33	99
460-199160-1 MSD	MW-4	127	72	44	93	31	104
460-199160-2	MW-3	107	59	42	86	30	103
460-199160-3	Equipment Blank	121	76	51	103	36	127
LCS 460-663597/2-A	Lab Control Sample	110	67	38	85	27	93
LCS 460-663597/4-A	Lab Control Sample	117	75	41	97	27	113
LCSD 460-663597/3-A	Lab Control Sample Dup	117	75	42	92	29	93
LCSD 460-663597/5-A	Lab Control Sample Dup	134	79	45	105	30	123
MB 460-663597/1-A	Method Blank	119	66	45	95	30	108

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Duffield Associates
Job ID: 460-199160-1
Project/Site: Clean Bay Renewables

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(12-136)	(12-136)
460-199160-1	MW-4	87	96	64	65
460-199160-1 MS	MW-4	100	103	80	82
460-199160-1 MSD	MW-4	91	94	77	77
460-199160-2	MW-3	81	93	66	71
460-199160-3	Equipment Blank	62	64	70	70
LCS 460-663943/2-A	Lab Control Sample	89	103	90	94
LCSD 460-663943/3-A	Lab Control Sample Dup	74	81	73	76
MB 460-663943/1-A	Method Blank	90	97	90	93

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(54-150)	(54-150)
460-199160-1	MW-4	105	106
460-199160-1 MS	MW-4	115	122
460-199160-1 MSD	MW-4	105	113
460-199160-2	MW-3	100	108
460-199160-3	Equipment Blank	99	102
LCS 460-663809/2-A	Lab Control Sample	111	118
LCSD 460-663809/3-A	Lab Control Sample Dup	116	123
MB 460-663809/1-A	Method Blank	108	110

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 460-665200/9
Matrix: Water
Analysis Batch: 665200

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/26/19 21:10	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/26/19 21:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/26/19 21:10	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/26/19 21:10	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/26/19 21:10	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/26/19 21:10	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/26/19 21:10	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/26/19 21:10	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/26/19 21:10	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/26/19 21:10	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/26/19 21:10	1
1,4-Dioxane	28	U	50	28	ug/L			12/26/19 21:10	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/26/19 21:10	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/26/19 21:10	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/26/19 21:10	1
Acetone	4.4	U	5.0	4.4	ug/L			12/26/19 21:10	1
Benzene	0.20	U	1.0	0.20	ug/L			12/26/19 21:10	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/26/19 21:10	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/26/19 21:10	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/26/19 21:10	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/26/19 21:10	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/26/19 21:10	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/26/19 21:10	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/26/19 21:10	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/26/19 21:10	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/26/19 21:10	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/26/19 21:10	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/26/19 21:10	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/26/19 21:10	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/26/19 21:10	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/26/19 21:10	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/26/19 21:10	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/26/19 21:10	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/26/19 21:10	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/26/19 21:10	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/26/19 21:10	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/26/19 21:10	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/26/19 21:10	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/26/19 21:10	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/26/19 21:10	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/26/19 21:10	1
Styrene	0.42	U	1.0	0.42	ug/L			12/26/19 21:10	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/26/19 21:10	1
Toluene	0.38	U	1.0	0.38	ug/L			12/26/19 21:10	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/26/19 21:10	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/26/19 21:10	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/26/19 21:10	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/26/19 21:10	1

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

Lab Sample ID: MB 460-665200/9
Matrix: Water
Analysis Batch: 665200

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/26/19 21:10	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/26/19 21:10	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/26/19 21:10	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/26/19 21:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/26/19 21:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*		*12/26/19 21:10*	*1*
4-Bromofluorobenzene	*104*		*77 - 124*		*12/26/19 21:10*	*1*
Dibromofluoromethane (Surr)	*104*		*72 - 131*		*12/26/19 21:10*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/26/19 21:10*	*1*

Lab Sample ID: LCS 460-665200/5
Matrix: Water
Analysis Batch: 665200

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.0		ug/L		100	75 - 125
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.1		ug/L		106	59 - 150
1,1,2-Trichloroethane	20.0	18.3		ug/L		92	78 - 120
1,1-Dichloroethane	20.0	19.3		ug/L		97	77 - 123
1,1-Dichloroethene	20.0	19.2		ug/L		96	74 - 123
1,2,3-Trichlorobenzene	20.0	21.2		ug/L		106	78 - 131
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	80 - 124
1,2-Dichloropropane	20.0	18.9		ug/L		95	77 - 123
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120
1,4-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,4-Dioxane	400	396		ug/L		99	10 - 150
2-Butanone (MEK)	100	103		ug/L		103	64 - 120
2-Hexanone	100	93.3		ug/L		93	71 - 125
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	78 - 124
Acetone	100	98.3		ug/L		98	39 - 150
Benzene	20.0	19.6		ug/L		98	77 - 121
Bromoform	20.0	14.5		ug/L		72	53 - 120
Bromomethane	20.0	22.0		ug/L		110	10 - 150
Carbon disulfide	20.0	19.5		ug/L		98	69 - 133
Carbon tetrachloride	20.0	17.6		ug/L		88	70 - 132
Chlorobenzene	20.0	19.6		ug/L		98	80 - 120
Chlorobromomethane	20.0	20.4		ug/L		102	77 - 127
Chlorodibromomethane	20.0	16.8		ug/L		84	73 - 120
Chloroethane	20.0	22.1		ug/L		111	52 - 150
Chloroform	20.0	19.9		ug/L		100	80 - 120
Chloromethane	20.0	18.2		ug/L		91	56 - 131
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	80 - 120

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

Lab Sample ID: LCS 460-665200/5
Matrix: Water
Analysis Batch: 665200

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	20.0	19.7		ug/L		98	77 - 120
Cyclohexane	20.0	20.8		ug/L		104	56 - 150
Dichlorobromomethane	20.0	18.6		ug/L		93	76 - 120
Dichlorodifluoromethane	20.0	19.7		ug/L		99	50 - 131
Ethylbenzene	20.0	20.1		ug/L		100	80 - 120
Ethylene Dibromide	20.0	19.2		ug/L		96	80 - 120
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 123
Methyl acetate	40.0	35.3		ug/L		88	66 - 144
Methyl tert-butyl ether	20.0	19.7		ug/L		99	79 - 122
Methylcyclohexane	20.0	20.2		ug/L		101	61 - 145
Methylene Chloride	20.0	18.8		ug/L		94	77 - 123
m-Xylene & p-Xylene	20.0	20.3		ug/L		101	80 - 120
o-Xylene	20.0	19.5		ug/L		98	80 - 120
Styrene	20.0	19.9		ug/L		100	80 - 120
Tetrachloroethene	20.0	20.1		ug/L		100	78 - 122
Toluene	20.0	19.4		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	19.7		ug/L		99	79 - 120
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	76 - 120
Trichloroethene	20.0	20.4		ug/L		102	77 - 120
Trichlorofluoromethane	20.0	21.2		ug/L		106	71 - 143
Vinyl chloride	20.0	18.4		ug/L		92	62 - 138
1,2-Dichloroethane	20.0	20.1		ug/L		100	76 - 121
1,2-Dichlorobenzene	20.0	20.5		ug/L		103	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.9		ug/L		84	55 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*74 - 132*
4-Bromofluorobenzene	*101*		*77 - 124*
Dibromofluoromethane (Surr)	*105*		*72 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-665200/6
Matrix: Water
Analysis Batch: 665200

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.3		ug/L		101	75 - 125	1	30
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	74 - 120	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.4		ug/L		107	59 - 150	1	30
1,1,2-Trichloroethane	20.0	18.8		ug/L		94	78 - 120	2	30
1,1-Dichloroethane	20.0	20.2		ug/L		101	77 - 123	5	30
1,1-Dichloroethene	20.0	20.0		ug/L		100	74 - 123	4	30
1,2,3-Trichlorobenzene	20.0	20.9		ug/L		104	78 - 131	2	30
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	80 - 124	0	30
1,2-Dichloropropane	20.0	19.5		ug/L		98	77 - 123	3	30
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	2	30
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	0	30
1,4-Dioxane	400	424		ug/L		106	10 - 150	7	30

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

Lab Sample ID: LCSD 460-665200/6
Matrix: Water
Analysis Batch: 665200

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
2-Butanone (MEK)			100	103		ug/L		103	64 - 120	0	30
2-Hexanone			100	95.6		ug/L		96	71 - 125	2	30
4-Methyl-2-pentanone (MIBK)			100	98.8		ug/L		99	78 - 124	2	30
Acetone			100	102		ug/L		102	39 - 150	4	30
Benzene			20.0	20.0		ug/L		100	77 - 121	2	30
Bromoform			20.0	14.5		ug/L		73	53 - 120	0	30
Bromomethane			20.0	22.0		ug/L		110	10 - 150	0	30
Carbon disulfide			20.0	20.2		ug/L		101	69 - 133	3	30
Carbon tetrachloride			20.0	18.0		ug/L		90	70 - 132	2	30
Chlorobenzene			20.0	20.4		ug/L		102	80 - 120	4	30
Chlorobromomethane			20.0	21.1		ug/L		106	77 - 127	4	30
Chlorodibromomethane			20.0	17.5		ug/L		87	73 - 120	4	30
Chloroethane			20.0	21.2		ug/L		106	52 - 150	4	30
Chloroform			20.0	20.5		ug/L		103	80 - 120	3	30
Chloromethane			20.0	19.1		ug/L		96	56 - 131	5	30
cis-1,2-Dichloroethene			20.0	19.8		ug/L		99	80 - 120	2	30
cis-1,3-Dichloropropene			20.0	19.5		ug/L		98	77 - 120	1	30
Cyclohexane			20.0	20.5		ug/L		103	56 - 150	1	30
Dichlorobromomethane			20.0	18.7		ug/L		94	76 - 120	1	30
Dichlorodifluoromethane			20.0	20.2		ug/L		101	50 - 131	2	30
Ethylbenzene			20.0	20.5		ug/L		102	80 - 120	2	30
Ethylene Dibromide			20.0	19.8		ug/L		99	80 - 120	3	30
Isopropylbenzene			20.0	20.5		ug/L		102	80 - 123	1	30
Methyl acetate			40.0	37.2		ug/L		93	66 - 144	5	30
Methyl tert-butyl ether			20.0	20.5		ug/L		103	79 - 122	4	30
Methylcyclohexane			20.0	20.3		ug/L		102	61 - 145	1	30
Methylene Chloride			20.0	19.8		ug/L		99	77 - 123	5	30
m-Xylene & p-Xylene			20.0	20.3		ug/L		102	80 - 120	0	30
o-Xylene			20.0	20.1		ug/L		100	80 - 120	3	30
Styrene			20.0	19.8		ug/L		99	80 - 120	1	30
Tetrachloroethene			20.0	20.3		ug/L		101	78 - 122	1	30
Toluene			20.0	19.5		ug/L		98	80 - 120	1	30
trans-1,2-Dichloroethene			20.0	20.0		ug/L		100	79 - 120	1	30
trans-1,3-Dichloropropene			20.0	18.7		ug/L		94	76 - 120	4	30
Trichloroethene			20.0	20.6		ug/L		103	77 - 120	1	30
Trichlorofluoromethane			20.0	21.8		ug/L		109	71 - 143	3	30
Vinyl chloride			20.0	19.6		ug/L		98	62 - 138	6	30
1,2-Dichloroethane			20.0	20.2		ug/L		101	76 - 121	1	30
1,2-Dichlorobenzene			20.0	20.8		ug/L		104	80 - 120	1	30
1,2-Dibromo-3-Chloropropane			20.0	17.2		ug/L		86	55 - 134	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*
4-Bromofluorobenzene	*102*		*77 - 124*
Dibromofluoromethane (Surr)	*106*		*72 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 665200

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.24	U	20.0	21.7		ug/L		109	75 - 125
1,1,2,2-Tetrachloroethane	0.37	U	20.0	19.3		ug/L		97	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	22.7		ug/L		113	59 - 150
1,1,2-Trichloroethane	0.43	U	20.0	19.7		ug/L		98	78 - 120
1,1-Dichloroethane	0.26	U	20.0	20.8		ug/L		104	77 - 123
1,1-Dichloroethene	0.26	U	20.0	21.4		ug/L		107	74 - 123
1,2,3-Trichlorobenzene	0.36	U	20.0	21.1		ug/L		105	78 - 131
1,2,4-Trichlorobenzene	0.37	U	20.0	21.2		ug/L		106	80 - 124
1,2-Dichloropropane	0.35	U	20.0	20.0		ug/L		100	77 - 123
1,3-Dichlorobenzene	0.34	U	20.0	21.4		ug/L		107	80 - 120
1,4-Dichlorobenzene	0.33	U	20.0	21.2		ug/L		106	80 - 120
1,4-Dioxane	28	U	400	412		ug/L		103	10 - 150
2-Butanone (MEK)	1.9	U	100	107		ug/L		107	64 - 120
2-Hexanone	1.1	U	100	100		ug/L		100	71 - 125
4-Methyl-2-pentanone (MIBK)	1.3	U	100	104		ug/L		104	78 - 124
Acetone	4.4	U	100	90.6		ug/L		91	39 - 150
Benzene	0.20	U	20.0	20.9		ug/L		104	77 - 121
Bromoform	0.54	U	20.0	14.3		ug/L		72	53 - 120
Bromomethane	0.55	U	20.0	20.6		ug/L		103	10 - 150
Carbon disulfide	0.82	U	20.0	19.2		ug/L		96	69 - 133
Carbon tetrachloride	0.21	U	20.0	18.6		ug/L		93	70 - 132
Chlorobenzene	0.38	U	20.0	20.7		ug/L		104	80 - 120
Chlorobromomethane	0.41	U	20.0	21.3		ug/L		106	77 - 127
Chlorodibromomethane	0.28	U	20.0	16.4		ug/L		82	73 - 120
Chloroethane	0.32	U	20.0	20.4		ug/L		102	52 - 150
Chloroform	0.33	U	20.0	21.2		ug/L		106	80 - 120
Chloromethane	0.40	U	20.0	17.1		ug/L		85	56 - 131
cis-1,2-Dichloroethene	0.22	U	20.0	20.9		ug/L		105	80 - 120
cis-1,3-Dichloropropene	0.22	U	20.0	19.4		ug/L		97	77 - 120
Cyclohexane	0.32	U	20.0	22.0		ug/L		110	56 - 150
Dichlorobromomethane	0.34	U	20.0	18.7		ug/L		94	76 - 120
Dichlorodifluoromethane	0.31	U	20.0	16.6		ug/L		83	50 - 131
Ethylbenzene	0.30	U	20.0	21.5		ug/L		107	80 - 120
Ethylene Dibromide	0.50	U	20.0	20.5		ug/L		102	80 - 120
Isopropylbenzene	0.34	U	20.0	21.6		ug/L		108	80 - 123
Methyl acetate	0.79	U	40.0	38.2		ug/L		96	66 - 144
Methyl tert-butyl ether	0.47	U	20.0	21.0		ug/L		105	79 - 122
Methylcyclohexane	0.26	U	20.0	21.3		ug/L		107	61 - 145
Methylene Chloride	0.32	U	20.0	19.8		ug/L		99	77 - 123
m-Xylene & p-Xylene	0.30	U	20.0	21.4		ug/L		107	80 - 120
o-Xylene	0.36	U	20.0	20.9		ug/L		105	80 - 120
Styrene	0.42	U	20.0	20.4		ug/L		102	80 - 120
Tetrachloroethene	0.25	U	20.0	22.5		ug/L		112	78 - 122
Toluene	0.38	U	20.0	20.7		ug/L		104	80 - 120
trans-1,2-Dichloroethene	0.24	U	20.0	20.9		ug/L		105	79 - 120
trans-1,3-Dichloropropene	0.49	U	20.0	18.4		ug/L		92	76 - 120
Trichloroethene	0.31	U	20.0	20.8		ug/L		104	77 - 120
Trichlorofluoromethane	0.32	U	20.0	21.8		ug/L		109	71 - 143

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

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 665200

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	0.17	U	20.0	19.2		ug/L		96	62 - 138
1,2-Dichloroethane	0.43	U	20.0	20.5		ug/L		103	76 - 121
1,2-Dichlorobenzene	0.43	U	20.0	20.9		ug/L		104	80 - 120
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	16.6		ug/L		83	55 - 134

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*
4-Bromofluorobenzene	*102*		*77 - 124*
Dibromofluoromethane (Surr)	*106*		*72 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 460-199160-1 MSD
Matrix: Water
Analysis Batch: 665200

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.24	U	20.0	21.2		ug/L		106	75 - 125	2	30
1,1,2,2-Tetrachloroethane	0.37	U	20.0	20.7		ug/L		104	74 - 120	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	22.0		ug/L		110	59 - 150	3	30
1,1,2-Trichloroethane	0.43	U	20.0	19.3		ug/L		96	78 - 120	2	30
1,1-Dichloroethane	0.26	U	20.0	20.0		ug/L		100	77 - 123	4	30
1,1-Dichloroethene	0.26	U	20.0	20.5		ug/L		103	74 - 123	4	30
1,2,3-Trichlorobenzene	0.36	U	20.0	21.9		ug/L		109	78 - 131	4	30
1,2,4-Trichlorobenzene	0.37	U	20.0	22.0		ug/L		110	80 - 124	4	30
1,2-Dichloropropane	0.35	U	20.0	20.3		ug/L		102	77 - 123	1	30
1,3-Dichlorobenzene	0.34	U	20.0	20.6		ug/L		103	80 - 120	4	30
1,4-Dichlorobenzene	0.33	U	20.0	21.3		ug/L		106	80 - 120	0	30
1,4-Dioxane	28	U	400	435		ug/L		109	10 - 150	5	30
2-Butanone (MEK)	1.9	U	100	108		ug/L		108	64 - 120	1	30
2-Hexanone	1.1	U	100	104		ug/L		104	71 - 125	3	30
4-Methyl-2-pentanone (MIBK)	1.3	U	100	106		ug/L		106	78 - 124	3	30
Acetone	4.4	U	100	94.7		ug/L		95	39 - 150	4	30
Benzene	0.20	U	20.0	20.4		ug/L		102	77 - 121	2	30
Bromoform	0.54	U	20.0	14.1		ug/L		70	53 - 120	2	30
Bromomethane	0.55	U	20.0	20.5		ug/L		102	10 - 150	0	30
Carbon disulfide	0.82	U	20.0	18.3		ug/L		91	69 - 133	5	30
Carbon tetrachloride	0.21	U	20.0	17.8		ug/L		89	70 - 132	5	30
Chlorobenzene	0.38	U	20.0	20.7		ug/L		103	80 - 120	0	30
Chlorobromomethane	0.41	U	20.0	21.3		ug/L		107	77 - 127	0	30
Chlorodibromomethane	0.28	U	20.0	16.6		ug/L		83	73 - 120	1	30
Chloroethane	0.32	U	20.0	20.8		ug/L		104	52 - 150	2	30
Chloroform	0.33	U	20.0	20.6		ug/L		103	80 - 120	3	30
Chloromethane	0.40	U	20.0	17.3		ug/L		86	56 - 131	1	30
cis-1,2-Dichloroethene	0.22	U	20.0	20.6		ug/L		103	80 - 120	2	30
cis-1,3-Dichloropropene	0.22	U	20.0	19.1		ug/L		96	77 - 120	1	30
Cyclohexane	0.32	U	20.0	20.8		ug/L		104	56 - 150	5	30
Dichlorobromomethane	0.34	U	20.0	18.8		ug/L		94	76 - 120	0	30
Dichlorodifluoromethane	0.31	U	20.0	16.5		ug/L		82	50 - 131	1	30

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

Lab Sample ID: 460-199160-1 MSD
Matrix: Water
Analysis Batch: 665200

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	0.30	U	20.0	21.3		ug/L		106	80 - 120	1	30
Ethylene Dibromide	0.50	U	20.0	20.8		ug/L		104	80 - 120	2	30
Isopropylbenzene	0.34	U	20.0	21.5		ug/L		108	80 - 123	1	30
Methyl acetate	0.79	U	40.0	38.8		ug/L		97	66 - 144	1	30
Methyl tert-butyl ether	0.47	U	20.0	20.8		ug/L		104	79 - 122	1	30
Methylcyclohexane	0.26	U	20.0	21.0		ug/L		105	61 - 145	2	30
Methylene Chloride	0.32	U	20.0	19.9		ug/L		100	77 - 123	0	30
m-Xylene & p-Xylene	0.30	U	20.0	20.5		ug/L		103	80 - 120	4	30
o-Xylene	0.36	U	20.0	20.4		ug/L		102	80 - 120	2	30
Styrene	0.42	U	20.0	20.2		ug/L		101	80 - 120	1	30
Tetrachloroethene	0.25	U	20.0	21.7		ug/L		109	78 - 122	4	30
Toluene	0.38	U	20.0	20.1		ug/L		100	80 - 120	3	30
trans-1,2-Dichloroethene	0.24	U	20.0	20.5		ug/L		103	79 - 120	2	30
trans-1,3-Dichloropropene	0.49	U	20.0	18.7		ug/L		93	76 - 120	1	30
Trichloroethene	0.31	U	20.0	20.7		ug/L		104	77 - 120	1	30
Trichlorofluoromethane	0.32	U	20.0	21.1		ug/L		106	71 - 143	3	30
Vinyl chloride	0.17	U	20.0	18.6		ug/L		93	62 - 138	3	30
1,2-Dichloroethane	0.43	U	20.0	20.9		ug/L		104	76 - 121	2	30
1,2-Dichlorobenzene	0.43	U	20.0	21.0		ug/L		105	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	18.4		ug/L		92	55 - 134	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*
4-Bromofluorobenzene	*103*		*77 - 124*
Dibromofluoromethane (Surr)	*106*		*72 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-665310/8
Matrix: Water
Analysis Batch: 665310

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			12/27/19 08:50	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/27/19 08:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			12/27/19 08:50	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			12/27/19 08:50	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			12/27/19 08:50	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/27/19 08:50	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			12/27/19 08:50	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			12/27/19 08:50	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			12/27/19 08:50	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			12/27/19 08:50	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			12/27/19 08:50	1
1,4-Dioxane	28	U	50	28	ug/L			12/27/19 08:50	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			12/27/19 08:50	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			12/27/19 08:50	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			12/27/19 08:50	1
Acetone	5.22		5.0	4.4	ug/L			12/27/19 08:50	1

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

Lab Sample ID: MB 460-665310/8
Matrix: Water
Analysis Batch: 665310

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.20	U	1.0	0.20	ug/L			12/27/19 08:50	1
Bromoform	0.54	U	1.0	0.54	ug/L			12/27/19 08:50	1
Bromomethane	0.55	U	1.0	0.55	ug/L			12/27/19 08:50	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			12/27/19 08:50	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			12/27/19 08:50	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			12/27/19 08:50	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			12/27/19 08:50	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			12/27/19 08:50	1
Chloroethane	0.32	U	1.0	0.32	ug/L			12/27/19 08:50	1
Chloroform	0.33	U	1.0	0.33	ug/L			12/27/19 08:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/27/19 08:50	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			12/27/19 08:50	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			12/27/19 08:50	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			12/27/19 08:50	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			12/27/19 08:50	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			12/27/19 08:50	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			12/27/19 08:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/27/19 08:50	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			12/27/19 08:50	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			12/27/19 08:50	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			12/27/19 08:50	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			12/27/19 08:50	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			12/27/19 08:50	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			12/27/19 08:50	1
o-Xylene	0.36	U	1.0	0.36	ug/L			12/27/19 08:50	1
Styrene	0.42	U	1.0	0.42	ug/L			12/27/19 08:50	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			12/27/19 08:50	1
Toluene	0.38	U	1.0	0.38	ug/L			12/27/19 08:50	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			12/27/19 08:50	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			12/27/19 08:50	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			12/27/19 08:50	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			12/27/19 08:50	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			12/27/19 08:50	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			12/27/19 08:50	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/27/19 08:50	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			12/27/19 08:50	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*12/27/19 08:50*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*		*12/27/19 08:50*	*1*
4-Bromofluorobenzene	*102*		*77 - 124*		*12/27/19 08:50*	*1*
Dibromofluoromethane (Surr)	*105*		*72 - 131*		*12/27/19 08:50*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/27/19 08:50*	*1*

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

Lab Sample ID: LCS 460-665310/4
Matrix: Water
Analysis Batch: 665310

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	22.8		ug/L		114	75 - 125
1,1,2,2-Tetrachloroethane	20.0	22.6		ug/L		113	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.1		ug/L		110	59 - 150
1,1,2-Trichloroethane	20.0	21.4		ug/L		107	78 - 120
1,1-Dichloroethane	20.0	22.3		ug/L		112	77 - 123
1,1-Dichloroethene	20.0	22.8		ug/L		114	74 - 123
1,2,3-Trichlorobenzene	20.0	24.9		ug/L		124	78 - 131
1,2,4-Trichlorobenzene	20.0	24.2		ug/L		121	80 - 124
1,2-Dichloropropane	20.0	22.1		ug/L		110	77 - 123
1,3-Dichlorobenzene	20.0	23.6		ug/L		118	80 - 120
1,4-Dichlorobenzene	20.0	23.8		ug/L		119	80 - 120
1,4-Dioxane	400	510		ug/L		128	10 - 150
2-Butanone (MEK)	100	119		ug/L		119	64 - 120
2-Hexanone	100	111		ug/L		111	71 - 125
4-Methyl-2-pentanone (MIBK)	100	115		ug/L		115	78 - 124
Acetone	100	111		ug/L		111	39 - 150
Benzene	20.0	22.4		ug/L		112	77 - 121
Bromoform	20.0	16.8		ug/L		84	53 - 120
Bromomethane	20.0	23.9		ug/L		120	10 - 150
Carbon disulfide	20.0	22.3		ug/L		112	69 - 133
Carbon tetrachloride	20.0	19.9		ug/L		100	70 - 132
Chlorobenzene	20.0	23.0		ug/L		115	80 - 120
Chlorobromomethane	20.0	23.5		ug/L		118	77 - 127
Chlorodibromomethane	20.0	18.7		ug/L		94	73 - 120
Chloroethane	20.0	23.3		ug/L		116	52 - 150
Chloroform	20.0	23.0		ug/L		115	80 - 120
Chloromethane	20.0	20.6		ug/L		103	56 - 131
cis-1,2-Dichloroethene	20.0	21.9		ug/L		110	80 - 120
cis-1,3-Dichloropropene	20.0	21.3		ug/L		106	77 - 120
Cyclohexane	20.0	21.4		ug/L		107	56 - 150
Dichlorobromomethane	20.0	21.3		ug/L		107	76 - 120
Dichlorodifluoromethane	20.0	18.0		ug/L		90	50 - 131
Ethylbenzene	20.0	23.1		ug/L		115	80 - 120
Ethylene Dibromide	20.0	22.4		ug/L		112	80 - 120
Isopropylbenzene	20.0	23.5		ug/L		117	80 - 123
Methyl acetate	40.0	40.0		ug/L		100	66 - 144
Methyl tert-butyl ether	20.0	22.2		ug/L		111	79 - 122
Methylcyclohexane	20.0	21.3		ug/L		107	61 - 145
Methylene Chloride	20.0	21.3		ug/L		107	77 - 123
m-Xylene & p-Xylene	20.0	22.8		ug/L		114	80 - 120
o-Xylene	20.0	22.5		ug/L		112	80 - 120
Styrene	20.0	22.7		ug/L		113	80 - 120
Tetrachloroethene	20.0	24.1		ug/L		121	78 - 122
Toluene	20.0	22.2		ug/L		111	80 - 120
trans-1,2-Dichloroethene	20.0	22.5		ug/L		112	79 - 120
trans-1,3-Dichloropropene	20.0	20.6		ug/L		103	76 - 120
Trichloroethene	20.0	23.3		ug/L		117	77 - 120
Trichlorofluoromethane	20.0	22.3		ug/L		111	71 - 143

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

Lab Sample ID: LCS 460-665310/4
Matrix: Water
Analysis Batch: 665310

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	20.0	20.9		ug/L		105	62 - 138
1,2-Dichloroethane	20.0	22.3		ug/L		111	76 - 121
1,2-Dichlorobenzene	20.0	23.9		ug/L		120	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	19.3		ug/L		96	55 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*
4-Bromofluorobenzene	*99*		*77 - 124*
Dibromofluoromethane (Surr)	*104*		*72 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 240-124013-F-4 MS
Matrix: Water
Analysis Batch: 665310

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.24	U	20.0	21.3		ug/L		107	75 - 125
1,1,2,2-Tetrachloroethane	0.37	U	20.0	19.2		ug/L		96	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	19.8		ug/L		99	59 - 150
1,1,2-Trichloroethane	0.43	U	20.0	18.6		ug/L		93	78 - 120
1,1-Dichloroethane	0.26	U	20.0	20.7		ug/L		104	77 - 123
1,1-Dichloroethene	0.26	U	20.0	21.4		ug/L		107	74 - 123
1,2,3-Trichlorobenzene	0.36	U	20.0	20.8		ug/L		104	78 - 131
1,2,4-Trichlorobenzene	0.37	U F1	20.0	27.5	F1	ug/L		137	80 - 124
1,2-Dichloropropane	0.35	U	20.0	18.9		ug/L		94	77 - 123
1,3-Dichlorobenzene	0.34	U	20.0	21.1		ug/L		106	80 - 120
1,4-Dichlorobenzene	0.33	U	20.0	21.3		ug/L		106	80 - 120
1,4-Dioxane	28	U	400	395		ug/L		99	10 - 150
2-Butanone (MEK)	1.9	U	100	103		ug/L		103	64 - 120
2-Hexanone	1.1	U	100	98.5		ug/L		98	71 - 125
4-Methyl-2-pentanone (MIBK)	1.3	U	100	103		ug/L		103	78 - 124
Acetone	4.4	U	100	94.8		ug/L		95	39 - 150
Benzene	0.20	U	20.0	20.6		ug/L		103	77 - 121
Bromoform	0.54	U	20.0	13.9		ug/L		69	53 - 120
Bromomethane	0.55	U	20.0	20.1		ug/L		100	10 - 150
Carbon disulfide	0.82	U	20.0	18.9		ug/L		95	69 - 133
Carbon tetrachloride	0.21	U	20.0	18.3		ug/L		91	70 - 132
Chlorobenzene	0.38	U	20.0	20.7		ug/L		103	80 - 120
Chlorobromomethane	0.41	U	20.0	20.7		ug/L		104	77 - 127
Chlorodibromomethane	0.28	U	20.0	15.9		ug/L		79	73 - 120
Chloroethane	0.32	U	20.0	19.7		ug/L		98	52 - 150
Chloroform	0.33	U	20.0	21.2		ug/L		106	80 - 120
Chloromethane	0.40	U	20.0	17.0		ug/L		85	56 - 131
cis-1,2-Dichloroethene	0.22	U	20.0	20.3		ug/L		102	80 - 120
cis-1,3-Dichloropropene	0.22	U	20.0	17.3		ug/L		87	77 - 120
Cyclohexane	0.32	U	20.0	19.8		ug/L		99	56 - 150
Dichlorobromomethane	0.34	U	20.0	17.8		ug/L		89	76 - 120
Dichlorodifluoromethane	0.31	U	20.0	15.3		ug/L		77	50 - 131

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

Lab Sample ID: 240-124013-F-4 MS
Matrix: Water
Analysis Batch: 665310

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.30	U	20.0	20.3		ug/L		102	80 - 120
Ethylene Dibromide	0.50	U	20.0	20.3		ug/L		101	80 - 120
Isopropylbenzene	0.34	U	20.0	21.2		ug/L		106	80 - 123
Methyl acetate	0.79	U	40.0	37.2		ug/L		93	66 - 144
Methyl tert-butyl ether	0.47	U	20.0	19.7		ug/L		98	79 - 122
Methylcyclohexane	0.26	U	20.0	18.3		ug/L		92	61 - 145
Methylene Chloride	0.32	U	20.0	19.5		ug/L		98	77 - 123
m-Xylene & p-Xylene	0.30	U	20.0	20.8		ug/L		104	80 - 120
o-Xylene	0.36	U	20.0	20.4		ug/L		102	80 - 120
Styrene	0.42	U	20.0	20.2		ug/L		101	80 - 120
Tetrachloroethene	0.25	U	20.0	21.3		ug/L		107	78 - 122
Toluene	0.38	U	20.0	19.5		ug/L		98	80 - 120
trans-1,2-Dichloroethene	0.24	U	20.0	21.5		ug/L		108	79 - 120
trans-1,3-Dichloropropene	0.49	U	20.0	16.6		ug/L		83	76 - 120
Trichloroethene	0.31	U	20.0	20.0		ug/L		100	77 - 120
Trichlorofluoromethane	0.32	U	20.0	20.5		ug/L		103	71 - 143
Vinyl chloride	0.17	U	20.0	18.4		ug/L		92	62 - 138
1,2-Dichloroethane	0.43	U	20.0	19.9		ug/L		99	76 - 121
1,2-Dichlorobenzene	0.43	U	20.0	20.7		ug/L		104	80 - 120
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	17.2		ug/L		86	55 - 134

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*
4-Bromofluorobenzene	*102*		*77 - 124*
Dibromofluoromethane (Surr)	*109*		*72 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 240-124013-H-4 MSD
Matrix: Water
Analysis Batch: 665310

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.24	U	20.0	22.4		ug/L		112	75 - 125	5	30
1,1,2,2-Tetrachloroethane	0.37	U	20.0	20.9		ug/L		105	74 - 120	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	20.5		ug/L		102	59 - 150	3	30
1,1,2-Trichloroethane	0.43	U	20.0	20.0		ug/L		100	78 - 120	7	30
1,1-Dichloroethane	0.26	U	20.0	21.7		ug/L		109	77 - 123	5	30
1,1-Dichloroethene	0.26	U	20.0	21.7		ug/L		108	74 - 123	1	30
1,2,3-Trichlorobenzene	0.36	U	20.0	22.2		ug/L		111	78 - 131	6	30
1,2,4-Trichlorobenzene	0.37	U F1	20.0	25.6	F1	ug/L		128	80 - 124	7	30
1,2-Dichloropropane	0.35	U	20.0	20.9		ug/L		104	77 - 123	10	30
1,3-Dichlorobenzene	0.34	U	20.0	21.6		ug/L		108	80 - 120	2	30
1,4-Dichlorobenzene	0.33	U	20.0	22.0		ug/L		110	80 - 120	3	30
1,4-Dioxane	28	U	400	466		ug/L		117	10 - 150	16	30
2-Butanone (MEK)	1.9	U	100	113		ug/L		113	64 - 120	9	30
2-Hexanone	1.1	U	100	111		ug/L		111	71 - 125	12	30
4-Methyl-2-pentanone (MIBK)	1.3	U	100	112		ug/L		112	78 - 124	8	30
Acetone	4.4	U	100	103		ug/L		103	39 - 150	9	30

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

Lab Sample ID: 240-124013-H-4 MSD
Matrix: Water
Analysis Batch: 665310

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.20	U	20.0	21.1		ug/L		105	77 - 121	2	30
Bromoform	0.54	U	20.0	15.2		ug/L		76	53 - 120	9	30
Bromomethane	0.55	U	20.0	22.2		ug/L		111	10 - 150	10	30
Carbon disulfide	0.82	U	20.0	20.1		ug/L		100	69 - 133	6	30
Carbon tetrachloride	0.21	U	20.0	19.1		ug/L		96	70 - 132	5	30
Chlorobenzene	0.38	U	20.0	21.3		ug/L		107	80 - 120	3	30
Chlorobromomethane	0.41	U	20.0	22.1		ug/L		110	77 - 127	6	30
Chlorodibromomethane	0.28	U	20.0	17.0		ug/L		85	73 - 120	7	30
Chloroethane	0.32	U	20.0	21.7		ug/L		109	52 - 150	10	30
Chloroform	0.33	U	20.0	22.2		ug/L		111	80 - 120	5	30
Chloromethane	0.40	U	20.0	18.2		ug/L		91	56 - 131	7	30
cis-1,2-Dichloroethene	0.22	U	20.0	21.4		ug/L		107	80 - 120	5	30
cis-1,3-Dichloropropene	0.22	U	20.0	18.4		ug/L		92	77 - 120	6	30
Cyclohexane	0.32	U	20.0	20.3		ug/L		101	56 - 150	2	30
Dichlorobromomethane	0.34	U	20.0	19.0		ug/L		95	76 - 120	7	30
Dichlorodifluoromethane	0.31	U	20.0	16.2		ug/L		81	50 - 131	6	30
Ethylbenzene	0.30	U	20.0	21.6		ug/L		108	80 - 120	6	30
Ethylene Dibromide	0.50	U	20.0	21.1		ug/L		106	80 - 120	4	30
Isopropylbenzene	0.34	U	20.0	21.9		ug/L		110	80 - 123	3	30
Methyl acetate	0.79	U	40.0	36.8		ug/L		92	66 - 144	1	30
Methyl tert-butyl ether	0.47	U	20.0	21.3		ug/L		107	79 - 122	8	30
Methylcyclohexane	0.26	U	20.0	19.4		ug/L		97	61 - 145	6	30
Methylene Chloride	0.32	U	20.0	20.8		ug/L		104	77 - 123	6	30
m-Xylene & p-Xylene	0.30	U	20.0	21.7		ug/L		108	80 - 120	4	30
o-Xylene	0.36	U	20.0	21.0		ug/L		105	80 - 120	3	30
Styrene	0.42	U	20.0	21.1		ug/L		106	80 - 120	4	30
Tetrachloroethene	0.25	U	20.0	22.4		ug/L		112	78 - 122	5	30
Toluene	0.38	U	20.0	21.0		ug/L		105	80 - 120	7	30
trans-1,2-Dichloroethene	0.24	U	20.0	22.1		ug/L		110	79 - 120	3	30
trans-1,3-Dichloropropene	0.49	U	20.0	18.1		ug/L		91	76 - 120	9	30
Trichloroethene	0.31	U	20.0	22.1		ug/L		110	77 - 120	10	30
Trichlorofluoromethane	0.32	U	20.0	21.6		ug/L		108	71 - 143	5	30
Vinyl chloride	0.17	U	20.0	19.3		ug/L		96	62 - 138	5	30
1,2-Dichloroethane	0.43	U	20.0	21.1		ug/L		105	76 - 121	6	30
1,2-Dichlorobenzene	0.43	U	20.0	21.7		ug/L		109	80 - 120	5	30
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	18.4		ug/L		92	55 - 134	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*74 - 132*
4-Bromofluorobenzene	*103*		*77 - 124*
Dibromofluoromethane (Surr)	*107*		*72 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 460-663597/1-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 21:47	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,4-Dinitrophenol	14	U	20	14	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		12/19/19 09:31	12/19/19 21:47	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		12/19/19 09:31	12/19/19 21:47	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 21:47	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		12/19/19 09:31	12/19/19 21:47	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 21:47	1
2-Methylphenol	0.67	U	10	0.67	ug/L		12/19/19 09:31	12/19/19 21:47	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		12/19/19 09:31	12/19/19 21:47	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/19/19 21:47	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		12/19/19 09:31	12/19/19 21:47	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		12/19/19 09:31	12/19/19 21:47	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		12/19/19 09:31	12/19/19 21:47	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		12/19/19 09:31	12/19/19 21:47	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/19/19 21:47	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		12/19/19 09:31	12/19/19 21:47	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		12/19/19 09:31	12/19/19 21:47	1
4-Methylphenol	0.65	U	10	0.65	ug/L		12/19/19 09:31	12/19/19 21:47	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		12/19/19 09:31	12/19/19 21:47	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		12/19/19 09:31	12/19/19 21:47	1
Acenaphthene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 21:47	1
Acenaphthylene	0.82	U	10	0.82	ug/L		12/19/19 09:31	12/19/19 21:47	1
Acetophenone	2.3	U	10	2.3	ug/L		12/19/19 09:31	12/19/19 21:47	1
Anthracene	0.63	U	10	0.63	ug/L		12/19/19 09:31	12/19/19 21:47	1
Atrazine	1.3	U	2.0	1.3	ug/L		12/19/19 09:31	12/19/19 21:47	1
Benzaldehyde	2.1	U	10	2.1	ug/L		12/19/19 09:31	12/19/19 21:47	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		12/19/19 09:31	12/19/19 21:47	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		12/19/19 09:31	12/19/19 21:47	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		12/19/19 09:31	12/19/19 21:47	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		12/19/19 09:31	12/19/19 21:47	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		12/19/19 09:31	12/19/19 21:47	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		12/19/19 09:31	12/19/19 21:47	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		12/19/19 09:31	12/19/19 21:47	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		12/19/19 09:31	12/19/19 21:47	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		12/19/19 09:31	12/19/19 21:47	1
Caprolactam	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/19/19 21:47	1
Carbazole	0.68	U	10	0.68	ug/L		12/19/19 09:31	12/19/19 21:47	1
Chrysene	0.91	U	2.0	0.91	ug/L		12/19/19 09:31	12/19/19 21:47	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		12/19/19 09:31	12/19/19 21:47	1
Dibenzofuran	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 21:47	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		12/19/19 09:31	12/19/19 21:47	1

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

Lab Sample ID: MB 460-663597/1-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.77	U	10	0.77	ug/L		12/19/19 09:31	12/19/19 21:47	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/19/19 21:47	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		12/19/19 09:31	12/19/19 21:47	1
Fluoranthene	0.84	U	10	0.84	ug/L		12/19/19 09:31	12/19/19 21:47	1
Fluorene	0.91	U	10	0.91	ug/L		12/19/19 09:31	12/19/19 21:47	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		12/19/19 09:31	12/19/19 21:47	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		12/19/19 09:31	12/19/19 21:47	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		12/19/19 09:31	12/19/19 21:47	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		12/19/19 09:31	12/19/19 21:47	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		12/19/19 09:31	12/19/19 21:47	1
Isophorone	0.80	U	10	0.80	ug/L		12/19/19 09:31	12/19/19 21:47	1
Naphthalene	1.1	U	10	1.1	ug/L		12/19/19 09:31	12/19/19 21:47	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		12/19/19 09:31	12/19/19 21:47	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		12/19/19 09:31	12/19/19 21:47	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		12/19/19 09:31	12/19/19 21:47	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		12/19/19 09:31	12/19/19 21:47	1
Phenanthrene	0.58	U	10	0.58	ug/L		12/19/19 09:31	12/19/19 21:47	1
Phenol	0.29	U	10	0.29	ug/L		12/19/19 09:31	12/19/19 21:47	1
Pyrene	1.6	U	10	1.6	ug/L		12/19/19 09:31	12/19/19 21:47	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*12/19/19 09:31*	*12/19/19 21:47*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*119*		*26 - 139*	*12/19/19 09:31*	*12/19/19 21:47*	*1*
2-Fluorobiphenyl	*66*		*45 - 107*	*12/19/19 09:31*	*12/19/19 21:47*	*1*
2-Fluorophenol (Surr)	*45*		*25 - 58*	*12/19/19 09:31*	*12/19/19 21:47*	*1*
Nitrobenzene-d5 (Surr)	*95*		*51 - 108*	*12/19/19 09:31*	*12/19/19 21:47*	*1*
Phenol-d5 (Surr)	*30*		*14 - 39*	*12/19/19 09:31*	*12/19/19 21:47*	*1*
Terphenyl-d14 (Surr)	*108*		*40 - 148*	*12/19/19 09:31*	*12/19/19 21:47*	*1*

Lab Sample ID: LCS 460-663597/2-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	60.5		ug/L		76	54 - 108
1,2,4,5-Tetrachlorobenzene	80.0	59.7		ug/L		75	46 - 105
2,2'-oxybis[1-chloropropane]	80.0	76.5		ug/L		96	50 - 108
2,3,4,6-Tetrachlorophenol	80.0	86.9		ug/L		109	57 - 122
2,4,5-Trichlorophenol	80.0	67.8		ug/L		85	59 - 117
2,4,6-Trichlorophenol	80.0	71.1		ug/L		89	62 - 120
2,4-Dichlorophenol	80.0	65.3		ug/L		82	62 - 102
2,4-Dimethylphenol	80.0	58.7		ug/L		73	61 - 95
2,4-Dinitrophenol	160	186		ug/L		116	45 - 125
2,4-Dinitrotoluene	80.0	76.7		ug/L		96	70 - 123
2,6-Dinitrotoluene	80.0	77.5		ug/L		97	68 - 121
2-Chloronaphthalene	80.0	61.8		ug/L		77	54 - 105

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

Lab Sample ID: LCS 460-663597/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 663779
Prep Batch: 663597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	80.0	54.8		ug/L		68	54 - 92
2-Methylnaphthalene	80.0	68.4		ug/L		85	47 - 104
2-Methylphenol	80.0	49.2		ug/L		61	43 - 80
2-Nitroaniline	80.0	71.5		ug/L		89	46 - 124
2-Nitrophenol	80.0	80.3		ug/L		100	58 - 109
3,3'-Dichlorobenzidine	80.0	72.2		ug/L		90	68 - 123
3-Nitroaniline	80.0	65.1		ug/L		81	60 - 117
4,6-Dinitro-2-methylphenol	160	202		ug/L		126	59 - 132
4-Bromophenyl phenyl ether	80.0	67.9		ug/L		85	57 - 126
4-Chloro-3-methylphenol	80.0	71.2		ug/L		89	58 - 98
4-Chloroaniline	80.0	67.9		ug/L		85	51 - 108
4-Chlorophenyl phenyl ether	80.0	73.2		ug/L		92	60 - 114
4-Methylphenol	80.0	44.0		ug/L		55	34 - 78
4-Nitroaniline	80.0	63.3		ug/L		79	48 - 135
4-Nitrophenol	160	51.4		ug/L		32	11 - 47
Acenaphthene	80.0	62.7		ug/L		78	58 - 107
Acenaphthylene	80.0	62.1		ug/L		78	61 - 106
Acetophenone	80.0	78.7		ug/L		98	54 - 115
Anthracene	80.0	67.0		ug/L		84	70 - 118
Benzo[a]anthracene	80.0	71.2		ug/L		89	73 - 119
Benzo[a]pyrene	80.0	66.1		ug/L		83	76 - 125
Benzo[b]fluoranthene	80.0	68.8		ug/L		86	78 - 123
Benzo[g,h,i]perylene	80.0	91.6		ug/L		114	63 - 133
Benzo[k]fluoranthene	80.0	71.7		ug/L		90	71 - 126
Bis(2-chloroethoxy)methane	80.0	74.4		ug/L		93	67 - 104
Bis(2-chloroethyl)ether	80.0	69.8		ug/L		87	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	69.4		ug/L		87	63 - 135
Butyl benzyl phthalate	80.0	66.4		ug/L		83	66 - 129
Carbazole	80.0	66.6		ug/L		83	68 - 121
Chrysene	80.0	80.6		ug/L		101	73 - 121
Dibenz(a,h)anthracene	80.0	92.0		ug/L		115	59 - 136
Dibenzofuran	80.0	65.7		ug/L		82	67 - 108
Diethyl phthalate	80.0	66.2		ug/L		83	61 - 129
Dimethyl phthalate	80.0	69.8		ug/L		87	65 - 121
Di-n-butyl phthalate	80.0	65.2		ug/L		81	64 - 130
Di-n-octyl phthalate	80.0	57.2		ug/L		71	64 - 131
Fluoranthene	80.0	68.6		ug/L		86	66 - 123
Fluorene	80.0	70.0		ug/L		88	67 - 112
Hexachlorobenzene	80.0	79.6		ug/L		100	63 - 125
Hexachlorobutadiene	80.0	40.1		ug/L		50	34 - 99
Hexachlorocyclopentadiene	80.0	39.4		ug/L		49	18 - 99
Hexachloroethane	80.0	42.5		ug/L		53	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	85.4		ug/L		107	57 - 142
Isophorone	80.0	72.0		ug/L		90	55 - 105
Naphthalene	80.0	64.9		ug/L		81	51 - 98
Nitrobenzene	80.0	74.0		ug/L		93	56 - 106
N-Nitrosodi-n-propylamine	80.0	72.7		ug/L		91	48 - 118
N-Nitrosodiphenylamine	80.0	66.9		ug/L		84	69 - 118
Pentachlorophenol	160	153		ug/L		95	54 - 120

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

Lab Sample ID: LCS 460-663597/2-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	80.0	68.5		ug/L		86	70 - 117
Phenol	80.0	28.4		ug/L		35	16 - 43
Pyrene	80.0	74.8		ug/L		94	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*110*		*26 - 139*
2-Fluorobiphenyl	*67*		*45 - 107*
2-Fluorophenol (Surr)	*38*		*25 - 58*
Nitrobenzene-d5 (Surr)	*85*		*51 - 108*
Phenol-d5 (Surr)	*27*		*14 - 39*
Terphenyl-d14 (Surr)	*93*		*40 - 148*

Lab Sample ID: LCS 460-663597/4-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	160	191		ug/L		119	38 - 146
Benzaldehyde	160	167		ug/L		104	46 - 111
Caprolactam	160	51.5		ug/L		32	10 - 43

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*117*		*26 - 139*
2-Fluorobiphenyl	*75*		*45 - 107*
2-Fluorophenol (Surr)	*41*		*25 - 58*
Nitrobenzene-d5 (Surr)	*97*		*51 - 108*
Phenol-d5 (Surr)	*27*		*14 - 39*
Terphenyl-d14 (Surr)	*113*		*40 - 148*

Lab Sample ID: LCSD 460-663597/3-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	62.7		ug/L		78	54 - 108	4	30
1,2,4,5-Tetrachlorobenzene	80.0	64.2		ug/L		80	46 - 105	7	30
2,2'-oxybis[1-chloropropane]	80.0	80.0		ug/L		100	50 - 108	4	30
2,3,4,6-Tetrachlorophenol	80.0	84.7		ug/L		106	57 - 122	3	30
2,4,5-Trichlorophenol	80.0	73.0		ug/L		91	59 - 117	7	30
2,4,6-Trichlorophenol	80.0	73.7		ug/L		92	62 - 120	4	30
2,4-Dichlorophenol	80.0	68.8		ug/L		86	62 - 102	5	30
2,4-Dimethylphenol	80.0	60.7		ug/L		76	61 - 95	3	30
2,4-Dinitrophenol	160	207	*	ug/L		129	45 - 125	11	30
2,4-Dinitrotoluene	80.0	78.1		ug/L		98	70 - 123	2	30
2,6-Dinitrotoluene	80.0	81.3		ug/L		102	68 - 121	5	30
2-Chloronaphthalene	80.0	64.1		ug/L		80	54 - 105	4	30
2-Chlorophenol	80.0	58.5		ug/L		73	54 - 92	7	30
2-Methylnaphthalene	80.0	69.1		ug/L		86	47 - 104	1	30

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

Lab Sample ID: LCSD 460-663597/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 663779
Prep Batch: 663597

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	80.0	51.8		ug/L		65	43 - 80	5	30
2-Nitroaniline	80.0	74.4		ug/L		93	46 - 124	4	30
2-Nitrophenol	80.0	87.3		ug/L		109	58 - 109	8	30
3,3'-Dichlorobenzidine	80.0	73.9		ug/L		92	68 - 123	2	30
3-Nitroaniline	80.0	69.3		ug/L		87	60 - 117	6	30
4,6-Dinitro-2-methylphenol	160	206		ug/L		129	59 - 132	2	30
4-Bromophenyl phenyl ether	80.0	69.9		ug/L		87	57 - 126	3	30
4-Chloro-3-methylphenol	80.0	73.5		ug/L		92	58 - 98	3	30
4-Chloroaniline	80.0	70.8		ug/L		88	51 - 108	4	30
4-Chlorophenyl phenyl ether	80.0	76.0		ug/L		95	60 - 114	4	30
4-Methylphenol	80.0	46.6		ug/L		58	34 - 78	6	30
4-Nitroaniline	80.0	64.9		ug/L		81	48 - 135	3	30
4-Nitrophenol	160	52.0		ug/L		33	11 - 47	1	30
Acenaphthene	80.0	65.4		ug/L		82	58 - 107	4	30
Acenaphthylene	80.0	63.5		ug/L		79	61 - 106	2	30
Acetophenone	80.0	81.7		ug/L		102	54 - 115	4	30
Anthracene	80.0	66.1		ug/L		83	70 - 118	1	30
Benzo[a]anthracene	80.0	72.3		ug/L		90	73 - 119	1	30
Benzo[a]pyrene	80.0	67.7		ug/L		85	76 - 125	2	30
Benzo[b]fluoranthene	80.0	70.3		ug/L		88	78 - 123	2	30
Benzo[g,h,i]perylene	80.0	94.0		ug/L		118	63 - 133	3	30
Benzo[k]fluoranthene	80.0	71.7		ug/L		90	71 - 126	0	30
Bis(2-chloroethoxy)methane	80.0	77.7		ug/L		97	67 - 104	4	30
Bis(2-chloroethyl)ether	80.0	75.5		ug/L		94	63 - 106	8	30
Bis(2-ethylhexyl) phthalate	80.0	70.0		ug/L		88	63 - 135	1	30
Butyl benzyl phthalate	80.0	69.4		ug/L		87	66 - 129	4	30
Carbazole	80.0	65.8		ug/L		82	68 - 121	1	30
Chrysene	80.0	80.2		ug/L		100	73 - 121	1	30
Dibenz(a,h)anthracene	80.0	93.7		ug/L		117	59 - 136	2	30
Dibenzofuran	80.0	67.1		ug/L		84	67 - 108	2	30
Diethyl phthalate	80.0	66.8		ug/L		84	61 - 129	1	30
Dimethyl phthalate	80.0	69.7		ug/L		87	65 - 121	0	30
Di-n-butyl phthalate	80.0	63.7		ug/L		80	64 - 130	2	30
Di-n-octyl phthalate	80.0	60.2		ug/L		75	64 - 131	5	30
Fluoranthene	80.0	67.4		ug/L		84	66 - 123	2	30
Fluorene	80.0	70.9		ug/L		89	67 - 112	1	30
Hexachlorobenzene	80.0	81.5		ug/L		102	63 - 125	2	30
Hexachlorobutadiene	80.0	51.4		ug/L		64	34 - 99	25	30
Hexachlorocyclopentadiene	80.0	40.2		ug/L		50	18 - 99	2	30
Hexachloroethane	80.0	49.1		ug/L		61	39 - 92	14	30
Indeno[1,2,3-cd]pyrene	80.0	87.4		ug/L		109	57 - 142	2	30
Isophorone	80.0	74.5		ug/L		93	55 - 105	3	30
Naphthalene	80.0	65.7		ug/L		82	51 - 98	1	30
Nitrobenzene	80.0	79.9		ug/L		100	56 - 106	8	30
N-Nitrosodi-n-propylamine	80.0	77.0		ug/L		96	48 - 118	6	30
N-Nitrosodiphenylamine	80.0	67.0		ug/L		84	69 - 118	0	30
Pentachlorophenol	160	151		ug/L		95	54 - 120	1	30
Phenanthrene	80.0	66.9		ug/L		84	70 - 117	2	30
Phenol	80.0	31.1		ug/L		39	16 - 43	9	30

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

Lab Sample ID: LCSD 460-663597/3-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 663597

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene			80.0	72.9		ug/L		91	63 - 129	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*117*		*26 - 139*
2-Fluorobiphenyl	*75*		*45 - 107*
2-Fluorophenol (Surr)	*42*		*25 - 58*
Nitrobenzene-d5 (Surr)	*92*		*51 - 108*
Phenol-d5 (Surr)	*29*		*14 - 39*
Terphenyl-d14 (Surr)	*93*		*40 - 148*

Lab Sample ID: LCSD 460-663597/5-A
Matrix: Water
Analysis Batch: 663779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 663597

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			160	152		ug/L		95	38 - 146	22	30
Benzaldehyde			160	168		ug/L		105	46 - 111	0	30
Caprolactam			160	42.9		ug/L		27	10 - 43	18	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*134*		*26 - 139*
2-Fluorobiphenyl	*79*		*45 - 107*
2-Fluorophenol (Surr)	*45*		*25 - 58*
Nitrobenzene-d5 (Surr)	*105*		*51 - 108*
Phenol-d5 (Surr)	*30*		*14 - 39*
Terphenyl-d14 (Surr)	*123*		*40 - 148*

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 663779

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1.2	U	80.0	63.9		ug/L		80	54 - 108
1,2,4,5-Tetrachlorobenzene	1.2	U	80.0	62.8		ug/L		79	46 - 105
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	77.2		ug/L		97	50 - 108
2,3,4,6-Tetrachlorophenol	0.75	U	80.0	89.7		ug/L		112	57 - 122
2,4,5-Trichlorophenol	0.88	U	80.0	72.4		ug/L		90	59 - 117
2,4,6-Trichlorophenol	0.86	U	80.0	74.1		ug/L		93	62 - 120
2,4-Dichlorophenol	1.1	U	80.0	66.6		ug/L		83	62 - 102
2,4-Dimethylphenol	0.62	U	80.0	58.2		ug/L		73	61 - 95
2,4-Dinitrophenol	14	U F1 *	160	219	F1	ug/L		137	45 - 125
2,4-Dinitrotoluene	1.0	U	80.0	80.0		ug/L		100	70 - 123
2,6-Dinitrotoluene	0.83	U	80.0	83.3		ug/L		104	68 - 121
2-Chloronaphthalene	1.2	U	80.0	64.9		ug/L		81	54 - 105
2-Chlorophenol	0.38	U	80.0	57.8		ug/L		72	54 - 92
2-Methylnaphthalene	1.1	U	80.0	68.6		ug/L		86	47 - 104
2-Methylphenol	0.67	U	80.0	52.8		ug/L		66	43 - 80
2-Nitroaniline	0.47	U	80.0	64.9		ug/L		81	46 - 124

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

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 663779

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	0.75	U F1	80.0	81.7		ug/L		102	58 - 109
3,3'-Dichlorobenzidine	1.4	U F1 F2	80.0	14.5	F1	ug/L		18	68 - 123
3-Nitroaniline	1.9	U F2	80.0	50.0		ug/L		63	60 - 117
4,6-Dinitro-2-methylphenol	13	U F1	160	212	F1	ug/L		133	59 - 132
4-Bromophenyl phenyl ether	0.75	U	80.0	71.3		ug/L		89	57 - 126
4-Chloro-3-methylphenol	0.58	U	80.0	74.2		ug/L		93	58 - 98
4-Chloroaniline	1.9	U F1 F2	80.0	29.6	F1	ug/L		37	51 - 108
4-Chlorophenyl phenyl ether	1.3	U	80.0	77.8		ug/L		97	60 - 114
4-Methylphenol	0.65	U	80.0	48.4		ug/L		60	34 - 78
4-Nitroaniline	1.2	U	80.0	50.9		ug/L		64	48 - 135
4-Nitrophenol	4.0	U	160	65.9		ug/L		41	11 - 47
Acenaphthene	1.1	U	80.0	66.0		ug/L		82	58 - 107
Acenaphthylene	0.82	U	80.0	64.9		ug/L		81	61 - 106
Acetophenone	2.3	U	80.0	80.0		ug/L		100	54 - 115
Anthracene	0.63	U	80.0	69.7		ug/L		87	70 - 118
Atrazine	1.3	U	160	114		ug/L		71	38 - 146
Benzaldehyde	2.1	U	160	140		ug/L		87	46 - 111
Benzo[a]anthracene	0.59	U	80.0	73.0		ug/L		91	73 - 119
Benzo[a]pyrene	0.41	U	80.0	68.5		ug/L		86	76 - 125
Benzo[b]fluoranthene	0.68	U	80.0	70.3		ug/L		88	78 - 123
Benzo[g,h,i]perylene	1.4	U	80.0	94.2		ug/L		118	63 - 133
Benzo[k]fluoranthene	0.67	U	80.0	76.0		ug/L		95	71 - 126
Bis(2-chloroethoxy)methane	0.59	U	80.0	73.4		ug/L		92	67 - 104
Bis(2-chloroethyl)ether	0.63	U	80.0	72.2		ug/L		90	63 - 106
Bis(2-ethylhexyl) phthalate	1.7	U	80.0	72.6		ug/L		91	63 - 135
Butyl benzyl phthalate	0.85	U	80.0	72.1		ug/L		90	66 - 129
Caprolactam	0.68	U	160	46.1		ug/L		29	10 - 43
Carbazole	0.68	U	80.0	67.8		ug/L		85	68 - 121
Chrysene	0.91	U	80.0	81.8		ug/L		102	73 - 121
Dibenz(a,h)anthracene	0.72	U	80.0	94.8		ug/L		118	59 - 136
Dibenzofuran	1.1	U	80.0	68.6		ug/L		86	67 - 108
Diethyl phthalate	0.98	U	80.0	70.5		ug/L		88	61 - 129
Dimethyl phthalate	0.77	U	80.0	72.9		ug/L		91	65 - 121
Di-n-butyl phthalate	0.84	U	80.0	67.0		ug/L		84	64 - 130
Di-n-octyl phthalate	4.8	U	80.0	62.3		ug/L		78	64 - 131
Fluoranthene	0.84	U	80.0	69.6		ug/L		87	66 - 123
Fluorene	0.91	U	80.0	74.0		ug/L		92	67 - 112
Hexachlorobenzene	0.40	U	80.0	84.3		ug/L		105	63 - 125
Hexachlorobutadiene	0.78	U	80.0	52.1		ug/L		65	34 - 99
Hexachlorocyclopentadiene	3.6	U	80.0	49.3		ug/L		62	18 - 99
Hexachloroethane	0.80	U	80.0	50.8		ug/L		63	39 - 92
Indeno[1,2,3-cd]pyrene	0.94	U	80.0	88.3		ug/L		110	57 - 142
Isophorone	0.80	U	80.0	70.7		ug/L		88	55 - 105
Naphthalene	1.1	U	80.0	65.8		ug/L		82	51 - 98
Nitrobenzene	0.57	U	80.0	75.2		ug/L		94	56 - 106
N-Nitrosodi-n-propylamine	0.43	U	80.0	72.1		ug/L		90	48 - 118
N-Nitrosodiphenylamine	0.89	U	80.0	61.6		ug/L		77	69 - 118
Pentachlorophenol	1.4	U	160	169		ug/L		106	54 - 120
Phenanthrene	0.58	U	80.0	70.6		ug/L		88	70 - 117

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

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 663779

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenol	0.29	U	80.0	29.4		ug/L		37	16 - 43		
Pyrene	1.6	U	80.0	77.7		ug/L		97	63 - 129		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*120*		*26 - 139*
2-Fluorobiphenyl	*68*		*45 - 107*
2-Fluorophenol (Surr)	*44*		*25 - 58*
Nitrobenzene-d5 (Surr)	*84*		*51 - 108*
Phenol-d5 (Surr)	*33*		*14 - 39*
Terphenyl-d14 (Surr)	*99*		*40 - 148*

Lab Sample ID: 460-199160-1 MSD
Matrix: Water
Analysis Batch: 663779

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663597

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1.2	U	80.0	67.0		ug/L		84	54 - 108	5	30
1,2,4,5-Tetrachlorobenzene	1.2	U	80.0	68.6		ug/L		86	46 - 105	9	30
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	80.7		ug/L		101	50 - 108	4	30
2,3,4,6-Tetrachlorophenol	0.75	U	80.0	94.8		ug/L		119	57 - 122	6	30
2,4,5-Trichlorophenol	0.88	U	80.0	78.0		ug/L		98	59 - 117	8	30
2,4,6-Trichlorophenol	0.86	U	80.0	80.1		ug/L		100	62 - 120	8	30
2,4-Dichlorophenol	1.1	U	80.0	72.2		ug/L		90	62 - 102	8	30
2,4-Dimethylphenol	0.62	U	80.0	63.1		ug/L		79	61 - 95	8	30
2,4-Dinitrophenol	14	U F1 *	160	221	F1	ug/L		138	45 - 125	1	30
2,4-Dinitrotoluene	1.0	U	80.0	86.3		ug/L		108	70 - 123	8	30
2,6-Dinitrotoluene	0.83	U	80.0	88.3		ug/L		110	68 - 121	6	30
2-Chloronaphthalene	1.2	U	80.0	68.1		ug/L		85	54 - 105	5	30
2-Chlorophenol	0.38	U	80.0	59.8		ug/L		75	54 - 92	3	30
2-Methylnaphthalene	1.1	U	80.0	74.4		ug/L		93	47 - 104	8	30
2-Methylphenol	0.67	U	80.0	53.6		ug/L		67	43 - 80	1	30
2-Nitroaniline	0.47	U	80.0	78.3		ug/L		98	46 - 124	19	30
2-Nitrophenol	0.75	U F1	80.0	90.2	F1	ug/L		113	58 - 109	10	30
3,3'-Dichlorobenzidine	1.4	U F1 F2	80.0	57.1	F2	ug/L		71	68 - 123	119	30
3-Nitroaniline	1.9	U F2	80.0	68.6	F2	ug/L		86	60 - 117	31	30
4,6-Dinitro-2-methylphenol	13	U F1	160	217	F1	ug/L		136	59 - 132	2	30
4-Bromophenyl phenyl ether	0.75	U	80.0	76.9		ug/L		96	57 - 126	8	30
4-Chloro-3-methylphenol	0.58	U	80.0	78.2		ug/L		98	58 - 98	5	30
4-Chloroaniline	1.9	U F1 F2	80.0	53.0	F2	ug/L		66	51 - 108	57	30
4-Chlorophenyl phenyl ether	1.3	U	80.0	83.1		ug/L		104	60 - 114	6	30
4-Methylphenol	0.65	U	80.0	49.6		ug/L		62	34 - 78	2	30
4-Nitroaniline	1.2	U	80.0	66.8		ug/L		83	48 - 135	27	30
4-Nitrophenol	4.0	U	160	59.3		ug/L		37	11 - 47	11	30
Acenaphthene	1.1	U	80.0	71.1		ug/L		89	58 - 107	7	30
Acenaphthylene	0.82	U	80.0	69.3		ug/L		87	61 - 106	7	30
Acetophenone	2.3	U	80.0	83.4		ug/L		104	54 - 115	4	30
Anthracene	0.63	U	80.0	71.7		ug/L		90	70 - 118	3	30
Atrazine	1.3	U	160	142		ug/L		89	38 - 146	22	30

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

Lab Sample ID: 460-199160-1 MSD
Client Sample ID: MW-4
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 663779
Prep Batch: 663597

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzaldehyde	2.1	U	160	143		ug/L		89	46 - 111	2	30
Benzo[a]anthracene	0.59	U	80.0	75.4		ug/L		94	73 - 119	3	30
Benzo[a]pyrene	0.41	U	80.0	72.7		ug/L		91	76 - 125	6	30
Benzo[b]fluoranthene	0.68	U	80.0	72.9		ug/L		91	78 - 123	4	30
Benzo[g,h,i]perylene	1.4	U	80.0	101		ug/L		126	63 - 133	7	30
Benzo[k]fluoranthene	0.67	U	80.0	80.0		ug/L		100	71 - 126	5	30
Bis(2-chloroethoxy)methane	0.59	U	80.0	79.4		ug/L		99	67 - 104	8	30
Bis(2-chloroethyl)ether	0.63	U	80.0	75.5		ug/L		94	63 - 106	5	30
Bis(2-ethylhexyl) phthalate	1.7	U	80.0	75.2		ug/L		94	63 - 135	4	30
Butyl benzyl phthalate	0.85	U	80.0	74.7		ug/L		93	66 - 129	4	30
Caprolactam	0.68	U	160	51.7		ug/L		32	10 - 43	11	30
Carbazole	0.68	U	80.0	69.5		ug/L		87	68 - 121	3	30
Chrysene	0.91	U	80.0	85.0		ug/L		106	73 - 121	4	30
Dibenz(a,h)anthracene	0.72	U	80.0	100		ug/L		125	59 - 136	6	30
Dibenzofuran	1.1	U	80.0	72.6		ug/L		91	67 - 108	6	30
Diethyl phthalate	0.98	U	80.0	72.1		ug/L		90	61 - 129	2	30
Dimethyl phthalate	0.77	U	80.0	75.1		ug/L		94	65 - 121	3	30
Di-n-butyl phthalate	0.84	U	80.0	68.1		ug/L		85	64 - 130	2	30
Di-n-octyl phthalate	4.8	U	80.0	65.1		ug/L		81	64 - 131	4	30
Fluoranthene	0.84	U	80.0	70.7		ug/L		88	66 - 123	2	30
Fluorene	0.91	U	80.0	77.6		ug/L		97	67 - 112	5	30
Hexachlorobenzene	0.40	U	80.0	88.3		ug/L		110	63 - 125	5	30
Hexachlorobutadiene	0.78	U	80.0	51.6		ug/L		64	34 - 99	1	30
Hexachlorocyclopentadiene	3.6	U	80.0	50.7		ug/L		63	18 - 99	3	30
Hexachloroethane	0.80	U	80.0	50.8		ug/L		64	39 - 92	0	30
Indeno[1,2,3-cd]pyrene	0.94	U	80.0	94.3		ug/L		118	57 - 142	7	30
Isophorone	0.80	U	80.0	76.8		ug/L		96	55 - 105	8	30
Naphthalene	1.1	U	80.0	70.2		ug/L		88	51 - 98	6	30
Nitrobenzene	0.57	U	80.0	80.0		ug/L		100	56 - 106	6	30
N-Nitrosodi-n-propylamine	0.43	U	80.0	77.4		ug/L		97	48 - 118	7	30
N-Nitrosodiphenylamine	0.89	U	80.0	72.0		ug/L		90	69 - 118	16	30
Pentachlorophenol	1.4	U	160	175		ug/L		109	54 - 120	3	30
Phenanthrene	0.58	U	80.0	72.9		ug/L		91	70 - 117	3	30
Phenol	0.29	U	80.0	30.3		ug/L		38	16 - 43	3	30
Pyrene	1.6	U	80.0	82.3		ug/L		103	63 - 129	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*127*		*26 - 139*
2-Fluorobiphenyl	*72*		*45 - 107*
2-Fluorophenol (Surr)	*44*		*25 - 58*
Nitrobenzene-d5 (Surr)	*93*		*51 - 108*
Phenol-d5 (Surr)	*31*		*14 - 39*
Terphenyl-d14 (Surr)	*104*		*40 - 148*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-663943/1-A
Matrix: Water
Analysis Batch: 664344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/22/19 10:39	1
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/22/19 10:39	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/22/19 10:39	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/22/19 10:39	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/22/19 10:39	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/22/19 10:39	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/20/19 09:41	12/22/19 10:39	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		12/20/19 09:41	12/22/19 10:39	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/20/19 09:41	12/22/19 10:39	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		12/20/19 09:41	12/22/19 10:39	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/22/19 10:39	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/22/19 10:39	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/22/19 10:39	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endrin	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endrin	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/22/19 10:39	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		12/20/19 09:41	12/22/19 10:39	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/20/19 09:41	12/22/19 10:39	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		12/20/19 09:41	12/22/19 10:39	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/22/19 10:39	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		12/20/19 09:41	12/22/19 10:39	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/22/19 10:39	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		12/20/19 09:41	12/22/19 10:39	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		12/20/19 09:41	12/22/19 10:39	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/20/19 09:41	12/22/19 10:39	1
Toxaphene	0.11	U	0.50	0.11	ug/L		12/20/19 09:41	12/22/19 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*12/20/19 09:41*	*12/22/19 10:39*	*1*
DCB Decachlorobiphenyl	*97*		*10 - 150*	*12/20/19 09:41*	*12/22/19 10:39*	*1*
Tetrachloro-m-xylene	*90*		*12 - 136*	*12/20/19 09:41*	*12/22/19 10:39*	*1*
Tetrachloro-m-xylene	*93*		*12 - 136*	*12/20/19 09:41*	*12/22/19 10:39*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-663943/2-A
Matrix: Water
Analysis Batch: 664344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663943

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			0.800	0.724		ug/L		91	58 - 136		
4,4'-DDD			0.800	0.787		ug/L		98	58 - 136		
4,4'-DDE			0.800	0.710		ug/L		89	56 - 132		
4,4'-DDE			0.800	0.833		ug/L		104	56 - 132		
4,4'-DDT			0.800	0.731		ug/L		91	56 - 134		
4,4'-DDT			0.800	0.809		ug/L		101	56 - 134		
Aldrin			0.800	0.735		ug/L		92	52 - 125		
Aldrin			0.800	0.839		ug/L		105	52 - 125		
alpha-BHC			0.800	0.746		ug/L		93	57 - 133		
alpha-BHC			0.800	0.820		ug/L		103	57 - 133		
beta-BHC			0.800	0.739		ug/L		92	61 - 134		
beta-BHC			0.800	0.822		ug/L		103	61 - 134		
delta-BHC			0.800	0.772		ug/L		96	56 - 130		
delta-BHC			0.800	0.850		ug/L		106	56 - 130		
Dieldrin			0.800	0.716		ug/L		89	61 - 135		
Dieldrin			0.800	0.832		ug/L		104	61 - 135		
Endosulfan I			0.800	0.745		ug/L		93	61 - 134		
Endosulfan I			0.800	0.871		ug/L		109	61 - 134		
Endosulfan II			0.800	0.771		ug/L		96	61 - 133		
Endosulfan II			0.800	0.812		ug/L		101	61 - 133		
Endosulfan sulfate			0.800	0.778		ug/L		97	59 - 133		
Endosulfan sulfate			0.800	0.860		ug/L		108	59 - 133		
Endrin			0.800	0.765		ug/L		96	60 - 135		
Endrin			0.800	0.855		ug/L		107	60 - 135		
Endrin aldehyde			0.800	0.731		ug/L		91	59 - 130		
Endrin aldehyde			0.800	0.756		ug/L		94	59 - 130		
Endrin ketone			0.800	0.765		ug/L		96	60 - 137		
Endrin ketone			0.800	0.814		ug/L		102	60 - 137		
gamma-BHC (Lindane)			0.800	0.718		ug/L		90	59 - 131		
gamma-BHC (Lindane)			0.800	0.819		ug/L		102	59 - 131		
Heptachlor			0.800	0.773		ug/L		97	54 - 126		
Heptachlor			0.800	0.821		ug/L		103	54 - 126		
Heptachlor epoxide			0.800	0.733		ug/L		92	60 - 130		
Heptachlor epoxide			0.800	0.847		ug/L		106	60 - 130		
Methoxychlor			0.800	0.831		ug/L		104	57 - 133		
Methoxychlor			0.800	0.776		ug/L		97	57 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*89*		*10 - 150*
DCB Decachlorobiphenyl	*103*		*10 - 150*
Tetrachloro-m-xylene	*90*		*12 - 136*
Tetrachloro-m-xylene	*94*		*12 - 136*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-663943/3-A
Matrix: Water
Analysis Batch: 664344

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 663943

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.575		ug/L		72	58 - 136	23	30
4,4'-DDD			0.800	0.625		ug/L		78	58 - 136	23	30
4,4'-DDE			0.800	0.580		ug/L		73	56 - 132	20	30
4,4'-DDE			0.800	0.629		ug/L		79	56 - 132	28	30
4,4'-DDT			0.800	0.575		ug/L		72	56 - 134	24	30
4,4'-DDT			0.800	0.641		ug/L		80	56 - 134	23	30
Aldrin			0.800	0.574		ug/L		72	52 - 125	25	30
Aldrin			0.800	0.664		ug/L		83	52 - 125	23	30
alpha-BHC			0.800	0.598		ug/L		75	57 - 133	22	30
alpha-BHC			0.800	0.653		ug/L		82	57 - 133	23	30
beta-BHC			0.800	0.618		ug/L		77	61 - 134	18	30
beta-BHC			0.800	0.646		ug/L		81	61 - 134	24	30
delta-BHC			0.800	0.621		ug/L		78	56 - 130	22	30
delta-BHC			0.800	0.670		ug/L		84	56 - 130	24	30
Dieldrin			0.800	0.581		ug/L		73	61 - 135	21	30
Dieldrin			0.800	0.650		ug/L		81	61 - 135	25	30
Endosulfan I			0.800	0.606		ug/L		76	61 - 134	21	30
Endosulfan I			0.800	0.686		ug/L		86	61 - 134	24	30
Endosulfan II			0.800	0.620		ug/L		77	61 - 133	22	30
Endosulfan II			0.800	0.652		ug/L		81	61 - 133	22	30
Endosulfan sulfate			0.800	0.605		ug/L		76	59 - 133	25	30
Endosulfan sulfate			0.800	0.673		ug/L		84	59 - 133	24	30
Endrin			0.800	0.616		ug/L		77	60 - 135	22	30
Endrin			0.800	0.671		ug/L		84	60 - 135	24	30
Endrin aldehyde			0.800	0.596		ug/L		75	59 - 130	20	30
Endrin aldehyde			0.800	0.621		ug/L		78	59 - 130	20	30
Endrin ketone			0.800	0.603		ug/L		75	60 - 137	24	30
Endrin ketone			0.800	0.611		ug/L		76	60 - 137	29	30
gamma-BHC (Lindane)			0.800	0.580		ug/L		73	59 - 131	21	30
gamma-BHC (Lindane)			0.800	0.648		ug/L		81	59 - 131	23	30
Heptachlor			0.800	0.619		ug/L		77	54 - 126	22	30
Heptachlor			0.800	0.656		ug/L		82	54 - 126	22	30
Heptachlor epoxide			0.800	0.580		ug/L		73	60 - 130	23	30
Heptachlor epoxide			0.800	0.664		ug/L		83	60 - 130	24	30
Methoxychlor			0.800	0.604	*	ug/L		75	57 - 133	32	30
Methoxychlor			0.800	0.603		ug/L		75	57 - 133	25	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*10 - 150*
DCB Decachlorobiphenyl	*81*		*10 - 150*
Tetrachloro-m-xylene	*73*		*12 - 136*
Tetrachloro-m-xylene	*76*		*12 - 136*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 664746

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663943

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0060	U F1	0.800	0.865		ug/L		108	58 - 136
4,4'-DDD	0.0060	U F1	0.800	0.892		ug/L		112	58 - 136
4,4'-DDE	0.0020	U F1	0.800	0.874		ug/L		109	56 - 132
4,4'-DDE	0.0020	U F1	0.800	0.901		ug/L		113	56 - 132
4,4'-DDT	0.0040	U F1	0.800	0.862		ug/L		108	56 - 134
4,4'-DDT	0.0040	U F1	0.800	0.912		ug/L		114	56 - 134
Aldrin	0.0030	U F1	0.800	0.786		ug/L		98	52 - 125
Aldrin	0.0030	U F1	0.800	0.856		ug/L		107	52 - 125
alpha-BHC	0.0070	U F1	0.800	0.860		ug/L		108	57 - 133
alpha-BHC	0.0070	U F1	0.800	0.911		ug/L		114	57 - 133
beta-BHC	0.0040	U F1	0.800	0.867		ug/L		108	61 - 134
beta-BHC	0.0040	U F1	0.800	0.907		ug/L		113	61 - 134
delta-BHC	0.0050	U F1	0.800	0.889		ug/L		111	56 - 130
delta-BHC	0.0050	U F1	0.800	0.941		ug/L		118	56 - 130
Dieldrin	0.0030	U F1	0.800	0.861		ug/L		108	61 - 135
Dieldrin	0.0030	U F1	0.800	0.914		ug/L		114	61 - 135
Endosulfan I	0.0020	U F1	0.800	0.887		ug/L		111	61 - 134
Endosulfan I	0.0020	U F1	0.800	0.960		ug/L		120	61 - 134
Endosulfan II	0.0040	U F1	0.800	0.940		ug/L		117	61 - 133
Endosulfan II	0.0040	U F1	0.800	0.919		ug/L		115	61 - 133
Endosulfan sulfate	0.0060	U F1	0.800	0.907		ug/L		113	59 - 133
Endosulfan sulfate	0.0060	U F1	0.800	0.951		ug/L		119	59 - 133
Endrin	0.0040	U F1	0.800	0.916		ug/L		115	60 - 135
Endrin	0.0040	U F1	0.800	0.950		ug/L		119	60 - 135
Endrin aldehyde	0.0080	U F1	0.800	0.876		ug/L		109	59 - 130
Endrin aldehyde	0.0080	U F1	0.800	0.857		ug/L		107	59 - 130
Endrin ketone	0.0080	U F1	0.800	0.880		ug/L		110	60 - 137
Endrin ketone	0.0080	U F1	0.800	0.876		ug/L		109	60 - 137
gamma-BHC (Lindane)	0.012	U F1	0.800	0.830		ug/L		104	59 - 131
gamma-BHC (Lindane)	0.012	U F1	0.800	0.909		ug/L		114	59 - 131
Heptachlor	0.0030	U F1	0.800	0.827		ug/L		103	54 - 126
Heptachlor	0.0030	U F1	0.800	0.842		ug/L		105	54 - 126
Heptachlor epoxide	0.0050	U F1	0.800	0.847		ug/L		106	60 - 130
Heptachlor epoxide	0.0050	U F1	0.800	0.925		ug/L		116	60 - 130
Methoxychlor	0.0040	U F1	0.800	0.929		ug/L		116	57 - 133
Methoxychlor	0.0040	U F1	0.800	0.851		ug/L		106	57 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*10 - 150*
DCB Decachlorobiphenyl	*103*		*10 - 150*
Tetrachloro-m-xylene	*80*		*12 - 136*
Tetrachloro-m-xylene	*82*		*12 - 136*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-199160-1 MSD
Matrix: Water
Analysis Batch: 664746

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663943

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0060	U F1	0.800	1.05		ug/L		131	58 - 136	19	30
4,4'-DDD	0.0060	U F1	0.800	1.11	F1	ug/L		139	58 - 136	22	30
4,4'-DDE	0.0020	U F1	0.800	1.03		ug/L		129	56 - 132	16	30
4,4'-DDE	0.0020	U F1	0.800	1.09	F1	ug/L		136	56 - 132	19	30
4,4'-DDT	0.0040	U F1	0.800	1.04		ug/L		130	56 - 134	19	30
4,4'-DDT	0.0040	U F1	0.800	1.15	F1	ug/L		144	56 - 134	23	30
Aldrin	0.0030	U F1	0.800	1.04	F1	ug/L		130	52 - 125	28	30
Aldrin	0.0030	U F1	0.800	1.09	F1	ug/L		137	52 - 125	24	30
alpha-BHC	0.0070	U F1	0.800	1.08	F1	ug/L		135	57 - 133	22	30
alpha-BHC	0.0070	U F1	0.800	1.11	F1	ug/L		139	57 - 133	19	30
beta-BHC	0.0040	U F1	0.800	1.09	F1	ug/L		136	61 - 134	23	30
beta-BHC	0.0040	U F1	0.800	1.09	F1	ug/L		137	61 - 134	19	30
delta-BHC	0.0050	U F1	0.800	1.12	F1	ug/L		140	56 - 130	23	30
delta-BHC	0.0050	U F1	0.800	1.14	F1	ug/L		142	56 - 130	19	30
Dieldrin	0.0030	U F1	0.800	1.03		ug/L		129	61 - 135	18	30
Dieldrin	0.0030	U F1	0.800	1.14	F1	ug/L		142	61 - 135	22	30
Endosulfan I	0.0020	U F1	0.800	1.08	F1	ug/L		135	61 - 134	20	30
Endosulfan I	0.0020	U F1	0.800	1.17	F1	ug/L		147	61 - 134	20	30
Endosulfan II	0.0040	U F1	0.800	1.14	F1	ug/L		143	61 - 133	19	30
Endosulfan II	0.0040	U F1	0.800	1.16	F1	ug/L		145	61 - 133	23	30
Endosulfan sulfate	0.0060	U F1	0.800	1.14	F1	ug/L		143	59 - 133	23	30
Endosulfan sulfate	0.0060	U F1	0.800	1.26	F1	ug/L		157	59 - 133	28	30
Endrin	0.0040	U F1	0.800	1.11	F1	ug/L		139	60 - 135	19	30
Endrin	0.0040	U F1	0.800	1.18	F1	ug/L		147	60 - 135	21	30
Endrin aldehyde	0.0080	U F1	0.800	1.06	F1	ug/L		133	59 - 130	19	30
Endrin aldehyde	0.0080	U F1	0.800	1.10	F1	ug/L		138	59 - 130	25	30
Endrin ketone	0.0080	U F1	0.800	1.12	F1	ug/L		140	60 - 137	24	30
Endrin ketone	0.0080	U F1	0.800	1.16	F1	ug/L		145	60 - 137	28	30
gamma-BHC (Lindane)	0.012	U F1	0.800	1.04		ug/L		130	59 - 131	22	30
gamma-BHC (Lindane)	0.012	U F1	0.800	1.09	F1	ug/L		137	59 - 131	19	30
Heptachlor	0.0030	U F1	0.800	1.10	F1	ug/L		137	54 - 126	28	30
Heptachlor	0.0030	U F1	0.800	1.08	F1	ug/L		135	54 - 126	25	30
Heptachlor epoxide	0.0050	U F1	0.800	1.06	F1	ug/L		132	60 - 130	22	30
Heptachlor epoxide	0.0050	U F1	0.800	1.11	F1	ug/L		139	60 - 130	18	30
Methoxychlor	0.0040	U F1	0.800	1.17	F1	ug/L		146	57 - 133	23	30
Methoxychlor	0.0040	U F1	0.800	1.10	F1	ug/L		138	57 - 133	26	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*10 - 150*
DCB Decachlorobiphenyl	*94*		*10 - 150*
Tetrachloro-m-xylene	*77*		*12 - 136*
Tetrachloro-m-xylene	*77*		*12 - 136*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-663809/1-A
Matrix: Water
Analysis Batch: 663863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.13	U	1.2	0.13	ug/L		12/20/19 01:22	12/20/19 09:44	1
Silvex (2,4,5-TP)	0.11	U	1.2	0.11	ug/L		12/20/19 01:22	12/20/19 09:44	1
2,4,5-T	0.12	U	1.2	0.12	ug/L		12/20/19 01:22	12/20/19 09:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*108*		*54 - 150*	*12/20/19 01:22*	*12/20/19 09:44*	*1*
2,4-Dichlorophenylacetic acid	*110*		*54 - 150*	*12/20/19 01:22*	*12/20/19 09:44*	*1*

Lab Sample ID: LCS 460-663809/2-A
Matrix: Water
Analysis Batch: 663863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	16.0	13.0		ug/L		81	48 - 119
2,4-D	16.0	15.7		ug/L		98	48 - 119
Silvex (2,4,5-TP)	4.00	4.28		ug/L		107	76 - 150
Silvex (2,4,5-TP)	4.00	5.32		ug/L		133	76 - 150
2,4,5-T	4.00	4.54		ug/L		113	68 - 139
2,4,5-T	4.00	3.94		ug/L		98	68 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*111*		*54 - 150*
2,4-Dichlorophenylacetic acid	*118*		*54 - 150*

Lab Sample ID: LCSD 460-663809/3-A
Matrix: Water
Analysis Batch: 663863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 663809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	16.0	14.4		ug/L		90	48 - 119	10	30
2,4-D	16.0	15.5		ug/L		97	48 - 119	1	30
Silvex (2,4,5-TP)	4.00	4.55		ug/L		114	76 - 150	6	30
Silvex (2,4,5-TP)	4.00	5.58		ug/L		140	76 - 150	5	30
2,4,5-T	4.00	5.03		ug/L		126	68 - 139	10	30
2,4,5-T	4.00	4.47		ug/L		112	68 - 139	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*116*		*54 - 150*
2,4-Dichlorophenylacetic acid	*123*		*54 - 150*

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 663863

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.13	U	16.0	13.6		ug/L		85	48 - 119
2,4-D	0.13	U	16.0	15.2		ug/L		95	48 - 119
Silvex (2,4,5-TP)	0.11	U	4.00	4.36		ug/L		109	76 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 663863

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)	0.11	U	4.00	5.60		ug/L		140	76 - 150		
2,4,5-T	0.12	U	4.00	4.81		ug/L		120	68 - 139		
2,4,5-T	0.12	U	4.00	4.45		ug/L		111	68 - 139		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*115*		*54 - 150*
2,4-Dichlorophenylacetic acid	*122*		*54 - 150*

Lab Sample ID: 460-199160-1 MSD
Matrix: Water
Analysis Batch: 663863

Client Sample ID: MW-4
Prep Type: Total/NA
Prep Batch: 663809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.13	U	16.0	12.1		ug/L		76	48 - 119	11	30
2,4-D	0.13	U	16.0	14.3		ug/L		90	48 - 119	6	30
Silvex (2,4,5-TP)	0.11	U	4.00	3.97		ug/L		99	76 - 150	10	30
Silvex (2,4,5-TP)	0.11	U	4.00	5.14		ug/L		128	76 - 150	9	30
2,4,5-T	0.12	U	4.00	4.33		ug/L		108	68 - 139	11	30
2,4,5-T	0.12	U	4.00	3.94		ug/L		99	68 - 139	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*105*		*54 - 150*
2,4-Dichlorophenylacetic acid	*113*		*54 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-665444/1-A ^2
Matrix: Water
Analysis Batch: 665426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	0.59	U	2.0	0.59	ug/L		12/27/19 15:20	12/27/19 15:44	2
Arsenic, Dissolved	0.73	U	2.0	0.73	ug/L		12/27/19 15:20	12/27/19 15:44	2
Barium, Dissolved	1.2	U	4.0	1.2	ug/L		12/27/19 15:20	12/27/19 15:44	2
Beryllium, Dissolved	0.25	U	0.80	0.25	ug/L		12/27/19 15:20	12/27/19 15:44	2
Cadmium, Dissolved	0.81	U	2.0	0.81	ug/L		12/27/19 15:20	12/27/19 15:44	2
Cobalt, Dissolved	1.6	U	4.0	1.6	ug/L		12/27/19 15:20	12/27/19 15:44	2
Chromium, Dissolved	2.3	U	4.0	2.3	ug/L		12/27/19 15:20	12/27/19 15:44	2
Copper, Dissolved	2.0	U	4.0	2.0	ug/L		12/27/19 15:20	12/27/19 15:44	2
Manganese, Dissolved	2.9	U	8.0	2.9	ug/L		12/27/19 15:20	12/27/19 15:44	2
Nickel, Dissolved	2.4	U	4.0	2.4	ug/L		12/27/19 15:20	12/27/19 15:44	2
Lead, Dissolved	0.55	U	1.2	0.55	ug/L		12/27/19 15:20	12/27/19 15:44	2
Antimony, Dissolved	0.40	U	2.0	0.40	ug/L		12/27/19 15:20	12/27/19 15:44	2
Selenium, Dissolved	5.4	U	10.0	5.4	ug/L		12/27/19 15:20	12/27/19 15:44	2
Vanadium, Dissolved	1.1	U	4.0	1.1	ug/L		12/27/19 15:20	12/27/19 15:44	2
Zinc, Dissolved	11.1	U	16.0	11.1	ug/L		12/27/19 15:20	12/27/19 15:44	2
Aluminum, Dissolved	18.8	U	40.0	18.8	ug/L		12/27/19 15:20	12/27/19 15:44	2
Sodium, Dissolved	128	U	200	128	ug/L		12/27/19 15:20	12/27/19 15:44	2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-665444/1-A ^2
Matrix: Water
Analysis Batch: 665426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium, Dissolved	73.7	U	200	73.7	ug/L		12/27/19 15:20	12/27/19 15:44	2
Potassium, Dissolved	86.7	U	200	86.7	ug/L		12/27/19 15:20	12/27/19 15:44	2
Calcium, Dissolved	98.8	U	200	98.8	ug/L		12/27/19 15:20	12/27/19 15:44	2
Iron, Dissolved	51.1	U	120	51.1	ug/L		12/27/19 15:20	12/27/19 15:44	2
Thallium, Dissolved	0.16	U	0.80	0.16	ug/L		12/27/19 15:20	12/27/19 15:44	2

Lab Sample ID: LCS 460-665444/2-A ^2
Matrix: Water
Analysis Batch: 665426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver, Dissolved	10.0	10.23		ug/L		102	80 - 120
Arsenic, Dissolved	20.0	19.58		ug/L		98	80 - 120
Barium, Dissolved	20.0	19.28		ug/L		96	80 - 120
Beryllium, Dissolved	10.0	9.36		ug/L		94	80 - 120
Cadmium, Dissolved	10.0	9.82		ug/L		98	80 - 120
Cobalt, Dissolved	10.0	10.06		ug/L		101	80 - 120
Chromium, Dissolved	20.0	19.60		ug/L		98	80 - 120
Copper, Dissolved	20.0	20.70		ug/L		104	80 - 120
Manganese, Dissolved	100	100.6		ug/L		101	80 - 120
Nickel, Dissolved	20.0	19.90		ug/L		100	80 - 120
Lead, Dissolved	10.0	9.92		ug/L		99	80 - 120
Antimony, Dissolved	10.0	10.28		ug/L		103	80 - 120
Selenium, Dissolved	20.0	19.34		ug/L		97	80 - 120
Vanadium, Dissolved	20.0	19.82		ug/L		99	80 - 120
Zinc, Dissolved	100	96.38		ug/L		96	80 - 120
Aluminum, Dissolved	1000	977.0		ug/L		98	80 - 120
Sodium, Dissolved	1000	1032		ug/L		103	80 - 120
Magnesium, Dissolved	1000	989.9		ug/L		99	80 - 120
Potassium, Dissolved	1000	1055		ug/L		105	80 - 120
Calcium, Dissolved	1000	961.1		ug/L		96	80 - 120
Iron, Dissolved	1000	1055		ug/L		106	80 - 120
Thallium, Dissolved	8.00	7.88		ug/L		99	80 - 120

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 665426

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 665444

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver, Dissolved	0.59	U	10.0	9.34		ug/L		93	75 - 125
Arsenic, Dissolved	0.73	U	20.0	21.03		ug/L		105	75 - 125
Barium, Dissolved	340		20.0	360.9	4	ug/L		105	75 - 125
Beryllium, Dissolved	0.49	J	10.0	10.57		ug/L		101	75 - 125
Cadmium, Dissolved	0.81	U	10.0	10.07		ug/L		101	75 - 125
Cobalt, Dissolved	3.4	J	10.0	13.60		ug/L		102	75 - 125
Chromium, Dissolved	2.3	U	20.0	19.95		ug/L		100	75 - 125
Copper, Dissolved	2.0	U	20.0	21.34		ug/L		107	75 - 125
Manganese, Dissolved	72.7		100	167.8		ug/L		95	75 - 125
Nickel, Dissolved	2.4	U	20.0	21.26		ug/L		106	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 665426

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 665444

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead, Dissolved	0.58	J	10.0	10.75		ug/L		102	75 - 125
Antimony, Dissolved	0.40	U	10.0	8.35		ug/L		83	75 - 125
Selenium, Dissolved	5.4	U	20.0	20.02		ug/L		100	75 - 125
Vanadium, Dissolved	1.1	U	20.0	20.00		ug/L		100	75 - 125
Zinc, Dissolved	11.1	U	100	102.8		ug/L		103	75 - 125
Aluminum, Dissolved	195		1000	1138		ug/L		94	75 - 125
Sodium, Dissolved	7640		1000	8695	4	ug/L		105	75 - 125
Magnesium, Dissolved	6510		1000	7442	4	ug/L		93	75 - 125
Potassium, Dissolved	4110		1000	5073	4	ug/L		96	75 - 125
Calcium, Dissolved	17200		1000	17760	4	ug/L		55	75 - 125
Iron, Dissolved	51.1	U	1000	1034		ug/L		103	75 - 125
Thallium, Dissolved	0.16	U	8.00	8.12		ug/L		101	75 - 125

Lab Sample ID: 460-199160-1 DU
Matrix: Water
Analysis Batch: 665426

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 665444

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver, Dissolved	0.59	U	0.59	U	ug/L		NC	20
Arsenic, Dissolved	0.73	U	0.73	U	ug/L		NC	20
Barium, Dissolved	340		332.5		ug/L		2	20
Beryllium, Dissolved	0.49	J	0.666	J F5	ug/L		31	20
Cadmium, Dissolved	0.81	U	0.81	U	ug/L		NC	20
Cobalt, Dissolved	3.4	J	3.23	J	ug/L		5	20
Chromium, Dissolved	2.3	U	2.3	U	ug/L		NC	20
Copper, Dissolved	2.0	U	2.0	U	ug/L		NC	20
Manganese, Dissolved	72.7		72.20		ug/L		0.8	20
Nickel, Dissolved	2.4	U	2.4	U	ug/L		NC	20
Lead, Dissolved	0.58	J	0.578	J	ug/L		0.7	20
Antimony, Dissolved	0.40	U	0.40	U	ug/L		NC	20
Selenium, Dissolved	5.4	U	5.4	U	ug/L		NC	20
Vanadium, Dissolved	1.1	U	1.1	U	ug/L		NC	20
Zinc, Dissolved	11.1	U	11.1	U	ug/L		NC	20
Aluminum, Dissolved	195		184.0		ug/L		6	20
Sodium, Dissolved	7640		7817		ug/L		2	20
Magnesium, Dissolved	6510		6514		ug/L		0	20
Potassium, Dissolved	4110		4116		ug/L		0.1	20
Calcium, Dissolved	17200		16750		ug/L		3	20
Iron, Dissolved	51.1	U	51.1	U	ug/L		NC	20
Thallium, Dissolved	0.16	U	0.16	U	ug/L		NC	20

Lab Sample ID: LRC 460-665426/13
Matrix: Water
Analysis Batch: 665426

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	2000	1956		ug/L		98	90 - 110
Barium, Dissolved	5000	4975		ug/L		99	90 - 110
Beryllium, Dissolved	1000	1008		ug/L		101	90 - 110

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LRC 460-665426/13
Matrix: Water
Analysis Batch: 665426

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium, Dissolved	2000	1985		ug/L		99	90 - 110
Cobalt, Dissolved	1000	1015		ug/L		102	90 - 110
Chromium, Dissolved	4000	3811		ug/L		95	90 - 110
Copper, Dissolved	1000	1017		ug/L		102	90 - 110
Manganese, Dissolved	5000	4959		ug/L		99	90 - 110
Nickel, Dissolved	1000	1020		ug/L		102	90 - 110
Lead, Dissolved	5000	5193		ug/L		104	90 - 110
Selenium, Dissolved	1000	1037		ug/L		104	90 - 110
Vanadium, Dissolved	2000	1908		ug/L		95	90 - 110
Zinc, Dissolved	1000	1018		ug/L		102	90 - 110
Thallium, Dissolved	1000	1016		ug/L		102	90 - 110

Lab Sample ID: LRC 460-665426/14
Matrix: Water
Analysis Batch: 665426

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum, Dissolved	50000	49790		ug/L		100	90 - 110
Sodium, Dissolved	200000	196900		ug/L		98	90 - 110
Magnesium, Dissolved	150000	141900		ug/L		95	90 - 110
Potassium, Dissolved	200000	193700		ug/L		97	90 - 110
Calcium, Dissolved	150000	155800		ug/L		104	90 - 110
Iron, Dissolved	100000	96580		ug/L		97	90 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-665773/1-A
Matrix: Water
Analysis Batch: 665856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.12	U	0.20	0.12	ug/L		12/30/19 04:09	12/30/19 08:26	1

Lab Sample ID: LCS 460-665773/2-A
Matrix: Water
Analysis Batch: 665856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	1.00	1.03		ug/L		103	80 - 120

Lab Sample ID: 460-199160-1 MS
Matrix: Water
Analysis Batch: 665856

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 665773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.12	U	1.00	1.05		ug/L		105	75 - 125

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 460-199160-1 DU
Matrix: Water
Analysis Batch: 665856

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 665773

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury, Dissolved	0.12	U		0.12	U	ug/L				NC	20

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199160-1

GC/MS VOA

Analysis Batch: 665200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-2	MW-3	Total/NA	Water	8260C	
460-199160-3	Equipment Blank	Total/NA	Water	8260C	
460-199160-4	Trip Blank	Total/NA	Water	8260C	
MB 460-665200/9	Method Blank	Total/NA	Water	8260C	
LCS 460-665200/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-665200/6	Lab Control Sample Dup	Total/NA	Water	8260C	
460-199160-1 MS	MW-4	Total/NA	Water	8260C	
460-199160-1 MSD	MW-4	Total/NA	Water	8260C	

Analysis Batch: 665310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Total/NA	Water	8260C	
MB 460-665310/8	Method Blank	Total/NA	Water	8260C	
LCS 460-665310/4	Lab Control Sample	Total/NA	Water	8260C	
240-124013-F-4 MS	Matrix Spike	Total/NA	Water	8260C	
240-124013-H-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 663597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Total/NA	Water	3510C	
460-199160-2	MW-3	Total/NA	Water	3510C	
460-199160-3	Equipment Blank	Total/NA	Water	3510C	
MB 460-663597/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-663597/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-663597/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-663597/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 460-663597/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-199160-1 MS	MW-4	Total/NA	Water	3510C	
460-199160-1 MSD	MW-4	Total/NA	Water	3510C	

Analysis Batch: 663779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Total/NA	Water	8270D	663597
460-199160-2	MW-3	Total/NA	Water	8270D	663597
460-199160-3	Equipment Blank	Total/NA	Water	8270D	663597
MB 460-663597/1-A	Method Blank	Total/NA	Water	8270D	663597
LCS 460-663597/2-A	Lab Control Sample	Total/NA	Water	8270D	663597
LCS 460-663597/4-A	Lab Control Sample	Total/NA	Water	8270D	663597
LCSD 460-663597/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	663597
LCSD 460-663597/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	663597
460-199160-1 MS	MW-4	Total/NA	Water	8270D	663597
460-199160-1 MSD	MW-4	Total/NA	Water	8270D	663597

GC Semi VOA

Prep Batch: 663809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Total/NA	Water	8151A	
460-199160-2	MW-3	Total/NA	Water	8151A	
460-199160-3	Equipment Blank	Total/NA	Water	8151A	

GC Semi VOA (Continued)

Prep Batch: 663809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-663809/1-A	Method Blank	Total/NA	Water	8151A	
LCS 460-663809/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 460-663809/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
460-199160-1 MS	MW-4	Total/NA	Water	8151A	
460-199160-1 MSD	MW-4	Total/NA	Water	8151A	

Analysis Batch: 663863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Total/NA	Water	8151A	663809
460-199160-2	MW-3	Total/NA	Water	8151A	663809
460-199160-3	Equipment Blank	Total/NA	Water	8151A	663809
MB 460-663809/1-A	Method Blank	Total/NA	Water	8151A	663809
LCS 460-663809/2-A	Lab Control Sample	Total/NA	Water	8151A	663809
LCSD 460-663809/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	663809
460-199160-1 MS	MW-4	Total/NA	Water	8151A	663809
460-199160-1 MSD	MW-4	Total/NA	Water	8151A	663809

Prep Batch: 663943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Total/NA	Water	3510C	
460-199160-2	MW-3	Total/NA	Water	3510C	
460-199160-3	Equipment Blank	Total/NA	Water	3510C	
MB 460-663943/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-663943/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-663943/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-199160-1 MS	MW-4	Total/NA	Water	3510C	
460-199160-1 MSD	MW-4	Total/NA	Water	3510C	

Analysis Batch: 664344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-663943/1-A	Method Blank	Total/NA	Water	8081B	663943
LCS 460-663943/2-A	Lab Control Sample	Total/NA	Water	8081B	663943
LCSD 460-663943/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	663943

Analysis Batch: 664746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Total/NA	Water	8081B	663943
460-199160-2	MW-3	Total/NA	Water	8081B	663943
460-199160-3	Equipment Blank	Total/NA	Water	8081B	663943
460-199160-1 MS	MW-4	Total/NA	Water	8081B	663943
460-199160-1 MSD	MW-4	Total/NA	Water	8081B	663943

Metals

Analysis Batch: 665426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Dissolved	Water	6020B	665444
460-199160-2	MW-3	Dissolved	Water	6020B	665444
460-199160-3	Equipment Blank	Dissolved	Water	6020B	665444
MB 460-665444/1-A ^2	Method Blank	Total/NA	Water	6020B	665444
LCS 460-665444/2-A ^2	Lab Control Sample	Total/NA	Water	6020B	665444

Metals (Continued)

Analysis Batch: 665426 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LRC 460-665426/13	Lab Control Sample		Water	6020B	
LRC 460-665426/14	Lab Control Sample		Water	6020B	
LRC 460-665426/15	Lab Control Sample		Water	6020B	
460-199160-1 MS	MW-4	Dissolved	Water	6020B	665444
460-199160-1 DU	MW-4	Dissolved	Water	6020B	665444

Prep Batch: 665444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Dissolved	Water	3010A	
460-199160-2	MW-3	Dissolved	Water	3010A	
460-199160-3	Equipment Blank	Dissolved	Water	3010A	
MB 460-665444/1-A ^2	Method Blank	Total/NA	Water	3010A	
LCS 460-665444/2-A ^2	Lab Control Sample	Total/NA	Water	3010A	
460-199160-1 MS	MW-4	Dissolved	Water	3010A	
460-199160-1 DU	MW-4	Dissolved	Water	3010A	

Prep Batch: 665773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Dissolved	Water	7470A	
460-199160-2	MW-3	Dissolved	Water	7470A	
460-199160-3	Equipment Blank	Dissolved	Water	7470A	
MB 460-665773/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-665773/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-199160-1 MS	MW-4	Dissolved	Water	7470A	
460-199160-1 DU	MW-4	Dissolved	Water	7470A	

Analysis Batch: 665856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-199160-1	MW-4	Dissolved	Water	7470A	665773
460-199160-2	MW-3	Dissolved	Water	7470A	665773
460-199160-3	Equipment Blank	Dissolved	Water	7470A	665773
MB 460-665773/1-A	Method Blank	Total/NA	Water	7470A	665773
LCS 460-665773/2-A	Lab Control Sample	Total/NA	Water	7470A	665773
460-199160-1 MS	MW-4	Dissolved	Water	7470A	665773
460-199160-1 DU	MW-4	Dissolved	Water	7470A	665773

Lab Chronicle

Client: Duffield Associates
Project/Site: Clean Bay Renewables

Job ID: 460-199160-1

Client Sample ID: MW-4
Date Collected: 12/16/19 11:45
Date Received: 12/17/19 20:45

Lab Sample ID: 460-199160-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	665310	12/27/19 09:11	SZD	TAL EDI
Total/NA	Prep	3510C			663597	12/19/19 09:31	DXB	TAL EDI
Total/NA	Analysis	8270D		1	663779	12/19/19 23:51	MME	TAL EDI
Total/NA	Prep	3510C			663943	12/20/19 09:41	DXB	TAL EDI
Total/NA	Analysis	8081B		1	664746	12/24/19 06:34	FAM	TAL EDI
Total/NA	Prep	8151A			663809	12/20/19 01:22	AFR	TAL EDI
Total/NA	Analysis	8151A		1	663863	12/20/19 10:57	SAK	TAL EDI
Dissolved	Prep	3010A			665444	12/27/19 15:20	MDC	TAL EDI
Dissolved	Analysis	6020B		2	665426	12/27/19 15:54	MDC	TAL EDI
Dissolved	Prep	7470A			665773	12/30/19 04:09	TJS	TAL EDI
Dissolved	Analysis	7470A		1	665856	12/30/19 08:30	TJS	TAL EDI

Client Sample ID: MW-3
Date Collected: 12/16/19 13:15
Date Received: 12/17/19 20:45

Lab Sample ID: 460-199160-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	665200	12/27/19 04:59	VBP	TAL EDI
Total/NA	Prep	3510C			663597	12/19/19 09:31	DXB	TAL EDI
Total/NA	Analysis	8270D		1	663779	12/20/19 00:54	MME	TAL EDI
Total/NA	Prep	3510C			663943	12/20/19 09:41	DXB	TAL EDI
Total/NA	Analysis	8081B		1	664746	12/24/19 07:21	FAM	TAL EDI
Total/NA	Prep	8151A			663809	12/20/19 01:22	AFR	TAL EDI
Total/NA	Analysis	8151A		1	663863	12/20/19 11:41	SAK	TAL EDI
Dissolved	Prep	3010A			665444	12/27/19 15:20	MDC	TAL EDI
Dissolved	Analysis	6020B		2	665426	12/27/19 15:59	MDC	TAL EDI
Dissolved	Prep	7470A			665773	12/30/19 04:09	TJS	TAL EDI
Dissolved	Analysis	7470A		1	665856	12/30/19 08:37	TJS	TAL EDI

Client Sample ID: Equipment Blank
Date Collected: 12/16/19 13:15
Date Received: 12/17/19 20:45

Lab Sample ID: 460-199160-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	665200	12/26/19 23:06	VBP	TAL EDI
Total/NA	Prep	3510C			663597	12/19/19 09:31	DXB	TAL EDI
Total/NA	Analysis	8270D		1	663779	12/20/19 01:14	MME	TAL EDI
Total/NA	Prep	3510C			663943	12/20/19 09:41	DXB	TAL EDI
Total/NA	Analysis	8081B		1	664746	12/24/19 07:36	FAM	TAL EDI
Total/NA	Prep	8151A			663809	12/20/19 01:22	AFR	TAL EDI
Total/NA	Analysis	8151A		1	663863	12/20/19 11:56	SAK	TAL EDI
Dissolved	Prep	3010A			665444	12/27/19 15:20	MDC	TAL EDI
Dissolved	Analysis	6020B		2	665426	12/27/19 16:06	MDC	TAL EDI
Dissolved	Prep	7470A			665773	12/30/19 04:09	TJS	TAL EDI
Dissolved	Analysis	7470A		1	665856	12/30/19 08:42	TJS	TAL EDI

Lab Chronicle

Client: Duffield Associates
Job ID: 460-199160-1
Project/Site: Clean Bay Renewables

Client Sample ID: Trip Blank
Date Collected: 12/16/19 10:00
Date Received: 12/17/19 20:45

Lab Sample ID: 460-199160-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	665200	12/26/19 23:26	VBP	TAL EDI

Laboratory References:

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

Accreditation/Certification Summary

Client: Duffield Associates
Job ID: 460-199160-1
Project/Site: Clean Bay Renewables

Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	12-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020B	3010A	Water	Aluminum, Dissolved
6020B	3010A	Water	Antimony, Dissolved
6020B	3010A	Water	Arsenic, Dissolved
6020B	3010A	Water	Barium, Dissolved
6020B	3010A	Water	Beryllium, Dissolved
6020B	3010A	Water	Cadmium, Dissolved
6020B	3010A	Water	Calcium, Dissolved
6020B	3010A	Water	Chromium, Dissolved
6020B	3010A	Water	Cobalt, Dissolved
6020B	3010A	Water	Copper, Dissolved
6020B	3010A	Water	Iron, Dissolved
6020B	3010A	Water	Lead, Dissolved
6020B	3010A	Water	Magnesium, Dissolved
6020B	3010A	Water	Manganese, Dissolved
6020B	3010A	Water	Nickel, Dissolved
6020B	3010A	Water	Potassium, Dissolved
6020B	3010A	Water	Selenium, Dissolved
6020B	3010A	Water	Silver, Dissolved
6020B	3010A	Water	Sodium, Dissolved
6020B	3010A	Water	Thallium, Dissolved
6020B	3010A	Water	Vanadium, Dissolved
6020B	3010A	Water	Zinc, Dissolved
7470A	7470A	Water	Mercury, Dissolved
8081B	3510C	Water	4,4'-DDD
8081B	3510C	Water	4,4'-DDE
8081B	3510C	Water	4,4'-DDT
8081B	3510C	Water	Aldrin
8081B	3510C	Water	alpha-BHC
8081B	3510C	Water	beta-BHC
8081B	3510C	Water	Chlordane (technical)
8081B	3510C	Water	delta-BHC
8081B	3510C	Water	Dieldrin
8081B	3510C	Water	Endosulfan I
8081B	3510C	Water	Endosulfan II
8081B	3510C	Water	Endosulfan sulfate
8081B	3510C	Water	Endrin
8081B	3510C	Water	Endrin aldehyde
8081B	3510C	Water	Endrin ketone
8081B	3510C	Water	gamma-BHC (Lindane)
8081B	3510C	Water	Heptachlor
8081B	3510C	Water	Heptachlor epoxide
8081B	3510C	Water	Methoxychlor
8081B	3510C	Water	Toxaphene
8151A	8151A	Water	2,4,5-T
8151A	8151A	Water	2,4-D

Laboratory: Eurofins TestAmerica, Edison (Continued)

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

Authority		Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)		State Program	N/A	12-31-19
8151A	8151A	Water	Silvex (2,4,5-TP)	
8260C		Water	1,1,1-Trichloroethane	
8260C		Water	1,1,2,2-Tetrachloroethane	
8260C		Water	1,1,2-Trichloro-1,2,2-trifluoroethane	
8260C		Water	1,1,2-Trichloroethane	
8260C		Water	1,1-Dichloroethane	
8260C		Water	1,1-Dichloroethene	
8260C		Water	1,2,3-Trichlorobenzene	
8260C		Water	1,2,4-Trichlorobenzene	
8260C		Water	1,2-Dibromo-3-Chloropropane	
8260C		Water	1,2-Dichlorobenzene	
8260C		Water	1,2-Dichloroethane	
8260C		Water	1,2-Dichloropropane	
8260C		Water	1,3-Dichlorobenzene	
8260C		Water	1,4-Dichlorobenzene	
8260C		Water	1,4-Dioxane	
8260C		Water	2-Butanone (MEK)	
8260C		Water	2-Hexanone	
8260C		Water	4-Methyl-2-pentanone (MIBK)	
8260C		Water	Acetone	
8260C		Water	Benzene	
8260C		Water	Bromoform	
8260C		Water	Bromomethane	
8260C		Water	Carbon disulfide	
8260C		Water	Carbon tetrachloride	
8260C		Water	Chlorobenzene	
8260C		Water	Chlorobromomethane	
8260C		Water	Chlorodibromomethane	
8260C		Water	Chloroethane	
8260C		Water	Chloroform	
8260C		Water	Chloromethane	
8260C		Water	cis-1,2-Dichloroethene	
8260C		Water	cis-1,3-Dichloropropene	
8260C		Water	Cyclohexane	
8260C		Water	Dichlorobromomethane	
8260C		Water	Dichlorodifluoromethane	
8260C		Water	Ethylbenzene	
8260C		Water	Ethylene Dibromide	
8260C		Water	Isopropylbenzene	
8260C		Water	Methyl acetate	
8260C		Water	Methyl tert-butyl ether	
8260C		Water	Methylcyclohexane	
8260C		Water	Methylene Chloride	
8260C		Water	m-Xylene & p-Xylene	
8260C		Water	o-Xylene	
8260C		Water	Styrene	
8260C		Water	Tetrachloroethene	
8260C		Water	Toluene	
8260C		Water	trans-1,2-Dichloroethene	

Laboratory: Eurofins TestAmerica, Edison (Continued)

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

Authority	Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	12-31-19

8260C		Water	trans-1,3-Dichloropropene
8260C		Water	Trichloroethene
8260C		Water	Trichlorofluoromethane
8260C		Water	Vinyl chloride
8270D	3510C	Water	1,1'-Biphenyl
8270D	3510C	Water	1,2,4,5-Tetrachlorobenzene
8270D	3510C	Water	2,2'-oxybis[1-chloropropane]
8270D	3510C	Water	2,3,4,6-Tetrachlorophenol
8270D	3510C	Water	2,4,5-Trichlorophenol
8270D	3510C	Water	2,4,6-Trichlorophenol
8270D	3510C	Water	2,4-Dichlorophenol
8270D	3510C	Water	2,4-Dimethylphenol
8270D	3510C	Water	2,4-Dinitrophenol
8270D	3510C	Water	2,4-Dinitrotoluene
8270D	3510C	Water	2,6-Dinitrotoluene
8270D	3510C	Water	2-Chloronaphthalene
8270D	3510C	Water	2-Chlorophenol
8270D	3510C	Water	2-Methylnaphthalene
8270D	3510C	Water	2-Methylphenol
8270D	3510C	Water	2-Nitroaniline
8270D	3510C	Water	2-Nitrophenol
8270D	3510C	Water	3,3'-Dichlorobenzidine
8270D	3510C	Water	3-Nitroaniline
8270D	3510C	Water	4,6-Dinitro-2-methylphenol
8270D	3510C	Water	4-Bromophenyl phenyl ether
8270D	3510C	Water	4-Chloro-3-methylphenol
8270D	3510C	Water	4-Chloroaniline
8270D	3510C	Water	4-Chlorophenyl phenyl ether
8270D	3510C	Water	4-Methylphenol
8270D	3510C	Water	4-Nitroaniline
8270D	3510C	Water	4-Nitrophenol
8270D	3510C	Water	Acenaphthene
8270D	3510C	Water	Acenaphthylene
8270D	3510C	Water	Acetophenone
8270D	3510C	Water	Anthracene
8270D	3510C	Water	Atrazine
8270D	3510C	Water	Benzaldehyde
8270D	3510C	Water	Benzo[a]anthracene
8270D	3510C	Water	Benzo[a]pyrene
8270D	3510C	Water	Benzo[b]fluoranthene
8270D	3510C	Water	Benzo[g,h,i]perylene
8270D	3510C	Water	Benzo[k]fluoranthene
8270D	3510C	Water	Bis(2-chloroethoxy)methane
8270D	3510C	Water	Bis(2-chloroethyl)ether
8270D	3510C	Water	Bis(2-ethylhexyl) phthalate
8270D	3510C	Water	Butyl benzyl phthalate
8270D	3510C	Water	Caprolactam
8270D	3510C	Water	Carbazole
8270D	3510C	Water	Chrysene

Laboratory: Eurofins TestAmerica, Edison (Continued)

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

Authority	Program	Identification Number	Expiration Date
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	12-31-19

8270D	3510C	Water	Dibenz(a,h)anthracene
8270D	3510C	Water	Dibenzofuran
8270D	3510C	Water	Diethyl phthalate
8270D	3510C	Water	Dimethyl phthalate
8270D	3510C	Water	Di-n-butyl phthalate
8270D	3510C	Water	Di-n-octyl phthalate
8270D	3510C	Water	Fluoranthene
8270D	3510C	Water	Fluorene
8270D	3510C	Water	Hexachlorobenzene
8270D	3510C	Water	Hexachlorobutadiene
8270D	3510C	Water	Hexachlorocyclopentadiene
8270D	3510C	Water	Hexachloroethane
8270D	3510C	Water	Indeno[1,2,3-cd]pyrene
8270D	3510C	Water	Isophorone
8270D	3510C	Water	Naphthalene
8270D	3510C	Water	Nitrobenzene
8270D	3510C	Water	N-Nitrosodi-n-propylamine
8270D	3510C	Water	N-Nitrosodiphenylamine
8270D	3510C	Water	Pentachlorophenol
8270D	3510C	Water	Phenanthrene
8270D	3510C	Water	Phenol
8270D	3510C	Water	Pyrene

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-4	460-199160-1	106	101	100	103
MW-3	460-199160-2	105	103	101	103
Equipment Blank	460-199160-3	107	100	99	102
Trip Blank	460-199160-4	107	100	101	103
	MB 460-665200/9	104	102	100	104
	MB 460-665310/8	105	102	98	102
	LCS 460-665200/5	105	104	98	101
	LCS 460-665310/4	104	102	99	99
	LCSD 460-665200/6	106	103	98	102
MW-4 MS	460-199160-1 MS	106	103	99	102
	240-124013-F-4 MS	109	103	99	102
MW-4 MSD	460-199160-1 MSD	106	103	99	103
	240-124013-H-4 MSD	107	104	97	103

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-131
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	77-124

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1289.D

Lab ID: LCS 460-665200/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.0	100	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.0	100	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.1	106	59-150	
1,1,2-Trichloroethane	20.0	18.3	92	78-120	
1,1-Dichloroethane	20.0	19.3	97	77-123	
1,1-Dichloroethene	20.0	19.2	96	74-123	
1,2,3-Trichlorobenzene	20.0	21.2	106	78-131	
1,2,4-Trichlorobenzene	20.0	21.2	106	80-124	
1,2-Dichloropropane	20.0	18.9	95	77-123	
1,3-Dichlorobenzene	20.0	20.1	100	80-120	
1,4-Dichlorobenzene	20.0	20.5	102	80-120	
1,4-Dioxane	400	396	99	10-150	
2-Butanone (MEK)	100	103	103	64-120	
2-Hexanone	100	93.3	93	71-125	
4-Methyl-2-pentanone (MIBK)	100	101	101	78-124	
Acetone	100	98.3	98	39-150	
Benzene	20.0	19.6	98	77-121	
Bromoform	20.0	14.5	72	53-120	
Bromomethane	20.0	22.0	110	10-150	
Carbon disulfide	20.0	19.5	98	69-133	
Carbon tetrachloride	20.0	17.6	88	70-132	
Chlorobenzene	20.0	19.6	98	80-120	
Chlorobromomethane	20.0	20.4	102	77-127	
Chlorodibromomethane	20.0	16.8	84	73-120	
Chloroethane	20.0	22.1	111	52-150	
Chloroform	20.0	19.9	100	80-120	
Chloromethane	20.0	18.2	91	56-131	
cis-1,2-Dichloroethene	20.0	19.3	97	80-120	
cis-1,3-Dichloropropene	20.0	19.7	98	77-120	
Cyclohexane	20.0	20.8	104	56-150	
Dichlorobromomethane	20.0	18.6	93	76-120	
Dichlorodifluoromethane	20.0	19.7	99	50-131	
Ethylbenzene	20.0	20.1	100	80-120	
Ethylene Dibromide	20.0	19.2	96	80-120	
Isopropylbenzene	20.0	20.2	101	80-123	
Methyl acetate	40.0	35.3	88	66-144	
Methyl tert-butyl ether	20.0	19.7	99	79-122	
Methylcyclohexane	20.0	20.2	101	61-145	
Methylene Chloride	20.0	18.8	94	77-123	
m-Xylene & p-Xylene	20.0	20.3	101	80-120	
o-Xylene	20.0	19.5	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1289.D

Lab ID: LCS 460-665200/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	19.9	100	80-120	
Tetrachloroethene	20.0	20.1	100	78-122	
Toluene	20.0	19.4	97	80-120	
trans-1,2-Dichloroethene	20.0	19.7	99	79-120	
trans-1,3-Dichloropropene	20.0	18.0	90	76-120	
Trichloroethene	20.0	20.4	102	77-120	
Trichlorofluoromethane	20.0	21.2	106	71-143	
Vinyl chloride	20.0	18.4	92	62-138	
1,2-Dichloroethane	20.0	20.1	100	76-121	
1,2-Dichlorobenzene	20.0	20.5	103	80-120	
1,2-Dibromo-3-Chloropropane	20.0	16.9	84	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT11321.D

Lab ID: LCS 460-665310/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	22.8	114	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.6	113	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.1	110	59-150	
1,1,2-Trichloroethane	20.0	21.4	107	78-120	
1,1-Dichloroethane	20.0	22.3	112	77-123	
1,1-Dichloroethene	20.0	22.8	114	74-123	
1,2,3-Trichlorobenzene	20.0	24.9	124	78-131	
1,2,4-Trichlorobenzene	20.0	24.2	121	80-124	
1,2-Dichloropropane	20.0	22.1	110	77-123	
1,3-Dichlorobenzene	20.0	23.6	118	80-120	
1,4-Dichlorobenzene	20.0	23.8	119	80-120	
1,4-Dioxane	400	510	128	10-150	
2-Butanone (MEK)	100	119	119	64-120	
2-Hexanone	100	111	111	71-125	
4-Methyl-2-pentanone (MIBK)	100	115	115	78-124	
Acetone	100	111	111	39-150	
Benzene	20.0	22.4	112	77-121	
Bromoform	20.0	16.8	84	53-120	
Bromomethane	20.0	23.9	120	10-150	
Carbon disulfide	20.0	22.3	112	69-133	
Carbon tetrachloride	20.0	19.9	100	70-132	
Chlorobenzene	20.0	23.0	115	80-120	
Chlorobromomethane	20.0	23.5	118	77-127	
Chlorodibromomethane	20.0	18.7	94	73-120	
Chloroethane	20.0	23.3	116	52-150	
Chloroform	20.0	23.0	115	80-120	
Chloromethane	20.0	20.6	103	56-131	
cis-1,2-Dichloroethene	20.0	21.9	110	80-120	
cis-1,3-Dichloropropene	20.0	21.3	106	77-120	
Cyclohexane	20.0	21.4	107	56-150	
Dichlorobromomethane	20.0	21.3	107	76-120	
Dichlorodifluoromethane	20.0	18.0	90	50-131	
Ethylbenzene	20.0	23.1	115	80-120	
Ethylene Dibromide	20.0	22.4	112	80-120	
Isopropylbenzene	20.0	23.5	117	80-123	
Methyl acetate	40.0	40.0	100	66-144	
Methyl tert-butyl ether	20.0	22.2	111	79-122	
Methylcyclohexane	20.0	21.3	107	61-145	
Methylene Chloride	20.0	21.3	107	77-123	
m-Xylene & p-Xylene	20.0	22.8	114	80-120	
o-Xylene	20.0	22.5	112	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT11321.D

Lab ID: LCS 460-665310/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	22.7	113	80-120	
Tetrachloroethene	20.0	24.1	121	78-122	
Toluene	20.0	22.2	111	80-120	
trans-1,2-Dichloroethene	20.0	22.5	112	79-120	
trans-1,3-Dichloropropene	20.0	20.6	103	76-120	
Trichloroethene	20.0	23.3	117	77-120	
Trichlorofluoromethane	20.0	22.3	111	71-143	
Vinyl chloride	20.0	20.9	105	62-138	
1,2-Dichloroethane	20.0	22.3	111	76-121	
1,2-Dichlorobenzene	20.0	23.9	120	80-120	
1,2-Dibromo-3-Chloropropane	20.0	19.3	96	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1290.D

Lab ID: LCSD 460-665200/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.3	101	1	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	18.9	95	5	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.4	107	1	30	59-150	
1,1,2-Trichloroethane	20.0	18.8	94	2	30	78-120	
1,1-Dichloroethane	20.0	20.2	101	5	30	77-123	
1,1-Dichloroethene	20.0	20.0	100	4	30	74-123	
1,2,3-Trichlorobenzene	20.0	20.9	104	2	30	78-131	
1,2,4-Trichlorobenzene	20.0	21.2	106	0	30	80-124	
1,2-Dichloropropane	20.0	19.5	98	3	30	77-123	
1,3-Dichlorobenzene	20.0	20.6	103	2	30	80-120	
1,4-Dichlorobenzene	20.0	20.4	102	0	30	80-120	
1,4-Dioxane	400	424	106	7	30	10-150	
2-Butanone (MEK)	100	103	103	0	30	64-120	
2-Hexanone	100	95.6	96	2	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	98.8	99	2	30	78-124	
Acetone	100	102	102	4	30	39-150	
Benzene	20.0	20.0	100	2	30	77-121	
Bromoform	20.0	14.5	73	0	30	53-120	
Bromomethane	20.0	22.0	110	0	30	10-150	
Carbon disulfide	20.0	20.2	101	3	30	69-133	
Carbon tetrachloride	20.0	18.0	90	2	30	70-132	
Chlorobenzene	20.0	20.4	102	4	30	80-120	
Chlorobromomethane	20.0	21.1	106	4	30	77-127	
Chlorodibromomethane	20.0	17.5	87	4	30	73-120	
Chloroethane	20.0	21.2	106	4	30	52-150	
Chloroform	20.0	20.5	103	3	30	80-120	
Chloromethane	20.0	19.1	96	5	30	56-131	
cis-1,2-Dichloroethene	20.0	19.8	99	2	30	80-120	
cis-1,3-Dichloropropene	20.0	19.5	98	1	30	77-120	
Cyclohexane	20.0	20.5	103	1	30	56-150	
Dichlorobromomethane	20.0	18.7	94	1	30	76-120	
Dichlorodifluoromethane	20.0	20.2	101	2	30	50-131	
Ethylbenzene	20.0	20.5	102	2	30	80-120	
Ethylene Dibromide	20.0	19.8	99	3	30	80-120	
Isopropylbenzene	20.0	20.5	102	1	30	80-123	
Methyl acetate	40.0	37.2	93	5	30	66-144	
Methyl tert-butyl ether	20.0	20.5	103	4	30	79-122	
Methylcyclohexane	20.0	20.3	102	1	30	61-145	
Methylene Chloride	20.0	19.8	99	5	30	77-123	
m-Xylene & p-Xylene	20.0	20.3	102	0	30	80-120	
o-Xylene	20.0	20.1	100	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1290.D

Lab ID: LCSD 460-665200/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	19.8	99	1	30	80-120	
Tetrachloroethene	20.0	20.3	101	1	30	78-122	
Toluene	20.0	19.5	98	1	30	80-120	
trans-1,2-Dichloroethene	20.0	20.0	100	1	30	79-120	
trans-1,3-Dichloropropene	20.0	18.7	94	4	30	76-120	
Trichloroethene	20.0	20.6	103	1	30	77-120	
Trichlorofluoromethane	20.0	21.8	109	3	30	71-143	
Vinyl chloride	20.0	19.6	98	6	30	62-138	
1,2-Dichloroethane	20.0	20.2	101	1	30	76-121	
1,2-Dichlorobenzene	20.0	20.8	104	1	30	80-120	
1,2-Dibromo-3-Chloropropane	20.0	17.2	86	2	30	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1301.D

Lab ID: 460-199160-1 MS Client ID: MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	0.24 U	21.7	109	75-125	
1,1,2,2-Tetrachloroethane	20.0	0.37 U	19.3	97	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	0.31 U	22.7	113	59-150	
1,1,2-Trichloroethane	20.0	0.43 U	19.7	98	78-120	
1,1-Dichloroethane	20.0	0.26 U	20.8	104	77-123	
1,1-Dichloroethene	20.0	0.26 U	21.4	107	74-123	
1,2,3-Trichlorobenzene	20.0	0.36 U	21.1	105	78-131	
1,2,4-Trichlorobenzene	20.0	0.37 U	21.2	106	80-124	
1,2-Dichloropropane	20.0	0.35 U	20.0	100	77-123	
1,3-Dichlorobenzene	20.0	0.34 U	21.4	107	80-120	
1,4-Dichlorobenzene	20.0	0.33 U	21.2	106	80-120	
1,4-Dioxane	400	28 U	412	103	10-150	
2-Butanone (MEK)	100	1.9 U	107	107	64-120	
2-Hexanone	100	1.1 U	100	100	71-125	
4-Methyl-2-pentanone (MIBK)	100	1.3 U	104	104	78-124	
Acetone	100	4.4 U	90.6	91	39-150	
Benzene	20.0	0.20 U	20.9	104	77-121	
Bromoform	20.0	0.54 U	14.3	72	53-120	
Bromomethane	20.0	0.55 U	20.6	103	10-150	
Carbon disulfide	20.0	0.82 U	19.2	96	69-133	
Carbon tetrachloride	20.0	0.21 U	18.6	93	70-132	
Chlorobenzene	20.0	0.38 U	20.7	104	80-120	
Chlorobromomethane	20.0	0.41 U	21.3	106	77-127	
Chlorodibromomethane	20.0	0.28 U	16.4	82	73-120	
Chloroethane	20.0	0.32 U	20.4	102	52-150	
Chloroform	20.0	0.33 U	21.2	106	80-120	
Chloromethane	20.0	0.40 U	17.1	85	56-131	
cis-1,2-Dichloroethene	20.0	0.22 U	20.9	105	80-120	
cis-1,3-Dichloropropene	20.0	0.22 U	19.4	97	77-120	
Cyclohexane	20.0	0.32 U	22.0	110	56-150	
Dichlorobromomethane	20.0	0.34 U	18.7	94	76-120	
Dichlorodifluoromethane	20.0	0.31 U	16.6	83	50-131	
Ethylbenzene	20.0	0.30 U	21.5	107	80-120	
Ethylene Dibromide	20.0	0.50 U	20.5	102	80-120	
Isopropylbenzene	20.0	0.34 U	21.6	108	80-123	
Methyl acetate	40.0	0.79 U	38.2	96	66-144	
Methyl tert-butyl ether	20.0	0.47 U	21.0	105	79-122	
Methylcyclohexane	20.0	0.26 U	21.3	107	61-145	
Methylene Chloride	20.0	0.32 U	19.8	99	77-123	
m-Xylene & p-Xylene	20.0	0.30 U	21.4	107	80-120	
o-Xylene	20.0	0.36 U	20.9	105	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1301.D

Lab ID: 460-199160-1 MS Client ID: MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	20.0	0.42 U	20.4	102	80-120	
Tetrachloroethene	20.0	0.25 U	22.5	112	78-122	
Toluene	20.0	0.38 U	20.7	104	80-120	
trans-1,2-Dichloroethene	20.0	0.24 U	20.9	105	79-120	
trans-1,3-Dichloropropene	20.0	0.49 U	18.4	92	76-120	
Trichloroethene	20.0	0.31 U	20.8	104	77-120	
Trichlorofluoromethane	20.0	0.32 U	21.8	109	71-143	
Vinyl chloride	20.0	0.17 U	19.2	96	62-138	
1,2-Dichloroethane	20.0	0.43 U	20.5	103	76-121	
1,2-Dichlorobenzene	20.0	0.43 U	20.9	104	80-120	
1,2-Dibromo-3-Chloropropane	20.0	0.38 U	16.6	83	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT11346.D

Lab ID: 240-124013-F-4 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	0.24 U	21.3	107	75-125	
1,1,2,2-Tetrachloroethane	20.0	0.37 U	19.2	96	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	0.31 U	19.8	99	59-150	
1,1,2-Trichloroethane	20.0	0.43 U	18.6	93	78-120	
1,1-Dichloroethane	20.0	0.26 U	20.7	104	77-123	
1,1-Dichloroethene	20.0	0.26 U	21.4	107	74-123	
1,2,3-Trichlorobenzene	20.0	0.36 U	20.8	104	78-131	
1,2,4-Trichlorobenzene	20.0	0.37 U	27.5	137	80-124	F1
1,2-Dichloropropane	20.0	0.35 U	18.9	94	77-123	
1,3-Dichlorobenzene	20.0	0.34 U	21.1	106	80-120	
1,4-Dichlorobenzene	20.0	0.33 U	21.3	106	80-120	
1,4-Dioxane	400	28 U	395	99	10-150	
2-Butanone (MEK)	100	1.9 U	103	103	64-120	
2-Hexanone	100	1.1 U	98.5	98	71-125	
4-Methyl-2-pentanone (MIBK)	100	1.3 U	103	103	78-124	
Acetone	100	4.4 U	94.8	95	39-150	
Benzene	20.0	0.20 U	20.6	103	77-121	
Bromoform	20.0	0.54 U	13.9	69	53-120	
Bromomethane	20.0	0.55 U	20.1	100	10-150	
Carbon disulfide	20.0	0.82 U	18.9	95	69-133	
Carbon tetrachloride	20.0	0.21 U	18.3	91	70-132	
Chlorobenzene	20.0	0.38 U	20.7	103	80-120	
Chlorobromomethane	20.0	0.41 U	20.7	104	77-127	
Chlorodibromomethane	20.0	0.28 U	15.9	79	73-120	
Chloroethane	20.0	0.32 U	19.7	98	52-150	
Chloroform	20.0	0.33 U	21.2	106	80-120	
Chloromethane	20.0	0.40 U	17.0	85	56-131	
cis-1,2-Dichloroethene	20.0	0.22 U	20.3	102	80-120	
cis-1,3-Dichloropropene	20.0	0.22 U	17.3	87	77-120	
Cyclohexane	20.0	0.32 U	19.8	99	56-150	
Dichlorobromomethane	20.0	0.34 U	17.8	89	76-120	
Dichlorodifluoromethane	20.0	0.31 U	15.3	77	50-131	
Ethylbenzene	20.0	0.30 U	20.3	102	80-120	
Ethylene Dibromide	20.0	0.50 U	20.3	101	80-120	
Isopropylbenzene	20.0	0.34 U	21.2	106	80-123	
Methyl acetate	40.0	0.79 U	37.2	93	66-144	
Methyl tert-butyl ether	20.0	0.47 U	19.7	98	79-122	
Methylcyclohexane	20.0	0.26 U	18.3	92	61-145	
Methylene Chloride	20.0	0.32 U	19.5	98	77-123	
m-Xylene & p-Xylene	20.0	0.30 U	20.8	104	80-120	
o-Xylene	20.0	0.36 U	20.4	102	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT11346.D

Lab ID: 240-124013-F-4 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	20.0	0.42 U	20.2	101	80-120	
Tetrachloroethene	20.0	0.25 U	21.3	107	78-122	
Toluene	20.0	0.38 U	19.5	98	80-120	
trans-1,2-Dichloroethene	20.0	0.24 U	21.5	108	79-120	
trans-1,3-Dichloropropene	20.0	0.49 U	16.6	83	76-120	
Trichloroethene	20.0	0.31 U	20.0	100	77-120	
Trichlorofluoromethane	20.0	0.32 U	20.5	103	71-143	
Vinyl chloride	20.0	0.17 U	18.4	92	62-138	
1,2-Dichloroethane	20.0	0.43 U	19.9	99	76-121	
1,2-Dichlorobenzene	20.0	0.43 U	20.7	104	80-120	
1,2-Dibromo-3-Chloropropane	20.0	0.38 U	17.2	86	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1302.D

Lab ID: 460-199160-1 MSD Client ID: MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.2	106	2	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.7	104	7	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.0	110	3	30	59-150	
1,1,2-Trichloroethane	20.0	19.3	96	2	30	78-120	
1,1-Dichloroethane	20.0	20.0	100	4	30	77-123	
1,1-Dichloroethene	20.0	20.5	103	4	30	74-123	
1,2,3-Trichlorobenzene	20.0	21.9	109	4	30	78-131	
1,2,4-Trichlorobenzene	20.0	22.0	110	4	30	80-124	
1,2-Dichloropropane	20.0	20.3	102	1	30	77-123	
1,3-Dichlorobenzene	20.0	20.6	103	4	30	80-120	
1,4-Dichlorobenzene	20.0	21.3	106	0	30	80-120	
1,4-Dioxane	400	435	109	5	30	10-150	
2-Butanone (MEK)	100	108	108	1	30	64-120	
2-Hexanone	100	104	104	3	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	106	106	3	30	78-124	
Acetone	100	94.7	95	4	30	39-150	
Benzene	20.0	20.4	102	2	30	77-121	
Bromoform	20.0	14.1	70	2	30	53-120	
Bromomethane	20.0	20.5	102	0	30	10-150	
Carbon disulfide	20.0	18.3	91	5	30	69-133	
Carbon tetrachloride	20.0	17.8	89	5	30	70-132	
Chlorobenzene	20.0	20.7	103	0	30	80-120	
Chlorobromomethane	20.0	21.3	107	0	30	77-127	
Chlorodibromomethane	20.0	16.6	83	1	30	73-120	
Chloroethane	20.0	20.8	104	2	30	52-150	
Chloroform	20.0	20.6	103	3	30	80-120	
Chloromethane	20.0	17.3	86	1	30	56-131	
cis-1,2-Dichloroethene	20.0	20.6	103	2	30	80-120	
cis-1,3-Dichloropropene	20.0	19.1	96	1	30	77-120	
Cyclohexane	20.0	20.8	104	5	30	56-150	
Dichlorobromomethane	20.0	18.8	94	0	30	76-120	
Dichlorodifluoromethane	20.0	16.5	82	1	30	50-131	
Ethylbenzene	20.0	21.3	106	1	30	80-120	
Ethylene Dibromide	20.0	20.8	104	2	30	80-120	
Isopropylbenzene	20.0	21.5	108	1	30	80-123	
Methyl acetate	40.0	38.8	97	1	30	66-144	
Methyl tert-butyl ether	20.0	20.8	104	1	30	79-122	
Methylcyclohexane	20.0	21.0	105	2	30	61-145	
Methylene Chloride	20.0	19.9	100	0	30	77-123	
m-Xylene & p-Xylene	20.0	20.5	103	4	30	80-120	
o-Xylene	20.0	20.4	102	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT1302.D

Lab ID: 460-199160-1 MSD Client ID: MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	20.2	101	1	30	80-120	
Tetrachloroethene	20.0	21.7	109	4	30	78-122	
Toluene	20.0	20.1	100	3	30	80-120	
trans-1,2-Dichloroethene	20.0	20.5	103	2	30	79-120	
trans-1,3-Dichloropropene	20.0	18.7	93	1	30	76-120	
Trichloroethene	20.0	20.7	104	1	30	77-120	
Trichlorofluoromethane	20.0	21.1	106	3	30	71-143	
Vinyl chloride	20.0	18.6	93	3	30	62-138	
1,2-Dichloroethane	20.0	20.9	104	2	30	76-121	
1,2-Dichlorobenzene	20.0	21.0	105	0	30	80-120	
1,2-Dibromo-3-Chloropropane	20.0	18.4	92	10	30	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT11347.D

Lab ID: 240-124013-H-4 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	22.4	112	5	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.9	105	8	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.5	102	3	30	59-150	
1,1,2-Trichloroethane	20.0	20.0	100	7	30	78-120	
1,1-Dichloroethane	20.0	21.7	109	5	30	77-123	
1,1-Dichloroethene	20.0	21.7	108	1	30	74-123	
1,2,3-Trichlorobenzene	20.0	22.2	111	6	30	78-131	
1,2,4-Trichlorobenzene	20.0	25.6	128	7	30	80-124	F1
1,2-Dichloropropane	20.0	20.9	104	10	30	77-123	
1,3-Dichlorobenzene	20.0	21.6	108	2	30	80-120	
1,4-Dichlorobenzene	20.0	22.0	110	3	30	80-120	
1,4-Dioxane	400	466	117	16	30	10-150	
2-Butanone (MEK)	100	113	113	9	30	64-120	
2-Hexanone	100	111	111	12	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	112	112	8	30	78-124	
Acetone	100	103	103	9	30	39-150	
Benzene	20.0	21.1	105	2	30	77-121	
Bromoform	20.0	15.2	76	9	30	53-120	
Bromomethane	20.0	22.2	111	10	30	10-150	
Carbon disulfide	20.0	20.1	100	6	30	69-133	
Carbon tetrachloride	20.0	19.1	96	5	30	70-132	
Chlorobenzene	20.0	21.3	107	3	30	80-120	
Chlorobromomethane	20.0	22.1	110	6	30	77-127	
Chlorodibromomethane	20.0	17.0	85	7	30	73-120	
Chloroethane	20.0	21.7	109	10	30	52-150	
Chloroform	20.0	22.2	111	5	30	80-120	
Chloromethane	20.0	18.2	91	7	30	56-131	
cis-1,2-Dichloroethene	20.0	21.4	107	5	30	80-120	
cis-1,3-Dichloropropene	20.0	18.4	92	6	30	77-120	
Cyclohexane	20.0	20.3	101	2	30	56-150	
Dichlorobromomethane	20.0	19.0	95	7	30	76-120	
Dichlorodifluoromethane	20.0	16.2	81	6	30	50-131	
Ethylbenzene	20.0	21.6	108	6	30	80-120	
Ethylene Dibromide	20.0	21.1	106	4	30	80-120	
Isopropylbenzene	20.0	21.9	110	3	30	80-123	
Methyl acetate	40.0	36.8	92	1	30	66-144	
Methyl tert-butyl ether	20.0	21.3	107	8	30	79-122	
Methylcyclohexane	20.0	19.4	97	6	30	61-145	
Methylene Chloride	20.0	20.8	104	6	30	77-123	
m-Xylene & p-Xylene	20.0	21.7	108	4	30	80-120	
o-Xylene	20.0	21.0	105	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT11347.D

Lab ID: 240-124013-H-4 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	20.0	21.1	106	4	30	80-120	
Tetrachloroethene	20.0	22.4	112	5	30	78-122	
Toluene	20.0	21.0	105	7	30	80-120	
trans-1,2-Dichloroethene	20.0	22.1	110	3	30	79-120	
trans-1,3-Dichloropropene	20.0	18.1	91	9	30	76-120	
Trichloroethene	20.0	22.1	110	10	30	77-120	
Trichlorofluoromethane	20.0	21.6	108	5	30	71-143	
Vinyl chloride	20.0	19.3	96	5	30	62-138	
1,2-Dichloroethane	20.0	21.1	105	6	30	76-121	
1,2-Dichlorobenzene	20.0	21.7	109	5	30	80-120	
1,2-Dibromo-3-Chloropropane	20.0	18.4	92	7	30	55-134	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: TT1293.D Lab Sample ID: MB 460-665200/9

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

Instrument ID: CVOAMS17 Date Analyzed: 12/26/2019 21:10

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-665200/5	TT1289.D	12/26/2019 19:42
	LCSD 460-665200/6	TT1290.D	12/26/2019 20:03
Equipment Blank	460-199160-3	TT1297.D	12/26/2019 23:06
Trip Blank	460-199160-4	TT1298.D	12/26/2019 23:26
MW-4 MS	460-199160-1 MS	TT1301.D	12/27/2019 00:28
MW-4 MSD	460-199160-1 MSD	TT1302.D	12/27/2019 00:49
MW-3	460-199160-2	TT1314.D	12/27/2019 04:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: TT11325.D Lab Sample ID: MB 460-665310/8

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

Instrument ID: CVOAMS17 Date Analyzed: 12/27/2019 08:50

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-665310/4	TT11321.D	12/27/2019 07:28
MW-4	460-199160-1	TT11326.D	12/27/2019 09:11
	240-124013-F-4 MS	TT11346.D	12/27/2019 16:07
	240-124013-H-4 MSD	TT11347.D	12/27/2019 16:27

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: TT0988.D BFB Injection Date: 12/21/2019

Instrument ID: CVOAMS17 BFB Injection Time: 10:31

Analysis Batch No.: 664203

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.4	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	70.3	
175	5.0 - 9.0 % of mass 174	6.0	(8.5) 1
176	95.0 - 101.0 % of mass 174	68.1	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-664203/2	TT0989.D	12/21/2019	10:52
	STD05 460-664203/3	TT0990.D	12/21/2019	11:13
	STD1 460-664203/4	TT0991.D	12/21/2019	11:34
	STD5 460-664203/5	TT0992.D	12/21/2019	11:55
	STD20 460-664203/6	TT0993.D	12/21/2019	12:16
	STD50 460-664203/7	TT0994.D	12/21/2019	12:36
	STD200 460-664203/8	TT0995.D	12/21/2019	12:57
	STD500 460-664203/9	TT0996.D	12/21/2019	13:18

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: TT1285.D BFB Injection Date: 12/26/2019

Instrument ID: CVOAMS17 BFB Injection Time: 17:58

Analysis Batch No.: 665200

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	49.2	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	53.2	
175	5.0 - 9.0 % of mass 174	4.6	(8.6) 1
176	95.0 - 101.0 % of mass 174	51.9	(97.5) 1
177	5.0 - 9.0 % of mass 176	4.3	(8.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-665200/4	TT1288.D	12/26/2019	19:11
	LCS 460-665200/5	TT1289.D	12/26/2019	19:42
	LCSD 460-665200/6	TT1290.D	12/26/2019	20:03
	MB 460-665200/9	TT1293.D	12/26/2019	21:10
Equipment Blank	460-199160-3	TT1297.D	12/26/2019	23:06
Trip Blank	460-199160-4	TT1298.D	12/26/2019	23:26
MW-4 MS	460-199160-1 MS	TT1301.D	12/27/2019	00:28
MW-4 MSD	460-199160-1 MSD	TT1302.D	12/27/2019	00:49
MW-3	460-199160-2	TT1314.D	12/27/2019	04:59

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: TT11318.D BFB Injection Date: 12/27/2019

Instrument ID: CVOAMS17 BFB Injection Time: 06:24

Analysis Batch No.: 665310

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	50.7	
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	71.5	
175	5.0 - 9.0 % of mass 174	5.3	(7.4) 1
176	95.0 - 101.0 % of mass 174	68.2	(95.4) 1
177	5.0 - 9.0 % of mass 176	4.3	(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
	CCVIS 460-665310/3	TT11320.D	12/27/2019	07:06
	LCS 460-665310/4	TT11321.D	12/27/2019	07:28
	MB 460-665310/8	TT11325.D	12/27/2019	08:50
MW-4	460-199160-1	TT11326.D	12/27/2019	09:11
	240-124013-F-4 MS	TT11346.D	12/27/2019	16:07
	240-124013-H-4 MSD	TT11347.D	12/27/2019	16:27

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Sample No.: CCVIS 460-665200/4 Date Analyzed: 12/26/2019 19:11

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT1288.D Heated Purge: (Y/N) N

Calibration ID: 77902

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		32357	2.84	171219	3.84	444846	4.86
UPPER LIMIT		64714	3.34	342438	4.34	889692	5.36
LOWER LIMIT		16179	2.34	85610	3.34	222423	4.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-665200/5		30134	2.85	169432	3.83	438640	4.86
LCSD 460-665200/6		35137	2.85	174936	3.84	446336	4.87
MB 460-665200/9		33875	2.86	178494	3.84	482698	4.87
460-199160-3	Equipment Blank	34769	2.86	168780	3.84	479516	4.87
460-199160-4	Trip Blank	34692	2.84	168737	3.84	473179	4.86
460-199160-1 MS	MW-4 MS	37745	2.85	175522	3.83	449158	4.86
460-199160-1 MSD	MW-4 MSD	32195	2.84	165431	3.83	427719	4.87
460-199160-2	MW-3	33261	2.85	172922	3.84	460849	4.87

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Sample No.: CCVIS 460-665200/4 Date Analyzed: 12/26/2019 19:11

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT1288.D Heated Purge: (Y/N) N

Calibration ID: 77902

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		22980	5.54	335219	8.22	178993	10.90
UPPER LIMIT		45960	6.04	670438	8.72	357986	11.40
LOWER LIMIT		11490	5.04	167610	7.72	89497	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-665200/5		21696	5.54	330132	8.22	175006	10.90
LCSD 460-665200/6		23852	5.55	338940	8.22	184238	10.90
MB 460-665200/9		24198	5.54	344383	8.22	198253	10.90
460-199160-3	Equipment Blank	22379	5.55	348696	8.22	196604	10.90
460-199160-4	Trip Blank	22962	5.54	331549	8.22	188037	10.90
460-199160-1 MS	MW-4 MS	23248	5.54	335100	8.22	182224	10.90
460-199160-1 MSD	MW-4 MSD	22638	5.54	321770	8.22	172338	10.90
460-199160-2	MW-3	23293	5.55	324198	8.22	187136	10.90

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Sample No.: CCVIS 460-665310/3 Date Analyzed: 12/27/2019 07:06

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT11320.D Heated Purge: (Y/N) N

Calibration ID: 77902

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		34550	2.85	168447	3.84	440293	4.86
UPPER LIMIT		69100	3.35	336894	4.34	880586	5.36
LOWER LIMIT		17275	2.35	84224	3.34	220147	4.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-665310/4		30710	2.84	160422	3.83	417235	4.86
MB 460-665310/8		31654	2.85	161086	3.83	445671	4.86
460-199160-1	MW-4	29640	2.85	162670	3.84	468072	4.87
240-124013-F-4 MS		38091	2.85	171020	3.83	442313	4.87
240-124013-H-4 MSD		33917	2.84	157745	3.83	409890	4.86

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Sample No.: CCVIS 460-665310/3 Date Analyzed: 12/27/2019 07:06

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT11320.D Heated Purge: (Y/N) N

Calibration ID: 77902

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		23089	5.55	325614	8.22	175312	10.90
UPPER LIMIT		46178	6.05	651228	8.72	350624	11.40
LOWER LIMIT		11545	5.05	162807	7.72	87656	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-665310/4		20308	5.54	311110	8.22	163151	10.90
MB 460-665310/8		21857	5.54	330828	8.22	185257	10.90
460-199160-1	MW-4	22734	5.55	336021	8.22	190716	10.90
240-124013-F-4 MS		23553	5.55	320581	8.22	175760	10.90
240-124013-H-4 MSD		20108	5.54	303953	8.22	167972	10.90

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 460-199160-1

Matrix: Water Lab File ID: TT11326.D

Analysis Method: 8260C Date Collected: 12/16/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 09:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 460-199160-1

Matrix: Water Lab File ID: TT11326.D

Analysis Method: 8260C Date Collected: 12/16/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 09:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	106		72-131
2037-26-5	Toluene-d8 (Surr)	100		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 460-199160-1

Matrix: Water Lab File ID: TT11326.D

Analysis Method: 8260C Date Collected: 12/16/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 09:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11326.D
Lims ID: 460-199160-C-1
Client ID: MW-4
Sample Type: Client
Inject. Date: 27-Dec-2019 09:11:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199160-C-1
Misc. Info.: 460-0103504-009
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 11:49:58 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: desais Date: 27-Dec-2019 09:50:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.849	2.849	0.000	100	29640	1000.0	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	97	162670	250.0	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	131984	52.8	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	139599	50.3	
* 66 Fluorobenzene	96	4.866	4.860	0.006	99	468072	50.0	
* 72 1,4-Dioxane-d8	96	5.549	5.549	0.000	87	22734	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	431341	49.9	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	84	336021	50.0	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	137319	51.5	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	94	190716	50.0	

Reagents:

VOA6IS/SURR_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 28-Dec-2019 11:51:19 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11326.D

Injection Date: 27-Dec-2019 09:11:30 Instrument ID: CVOAMS17

Lims ID: 460-199160-C-1 Lab Sample ID: 460-199160-1

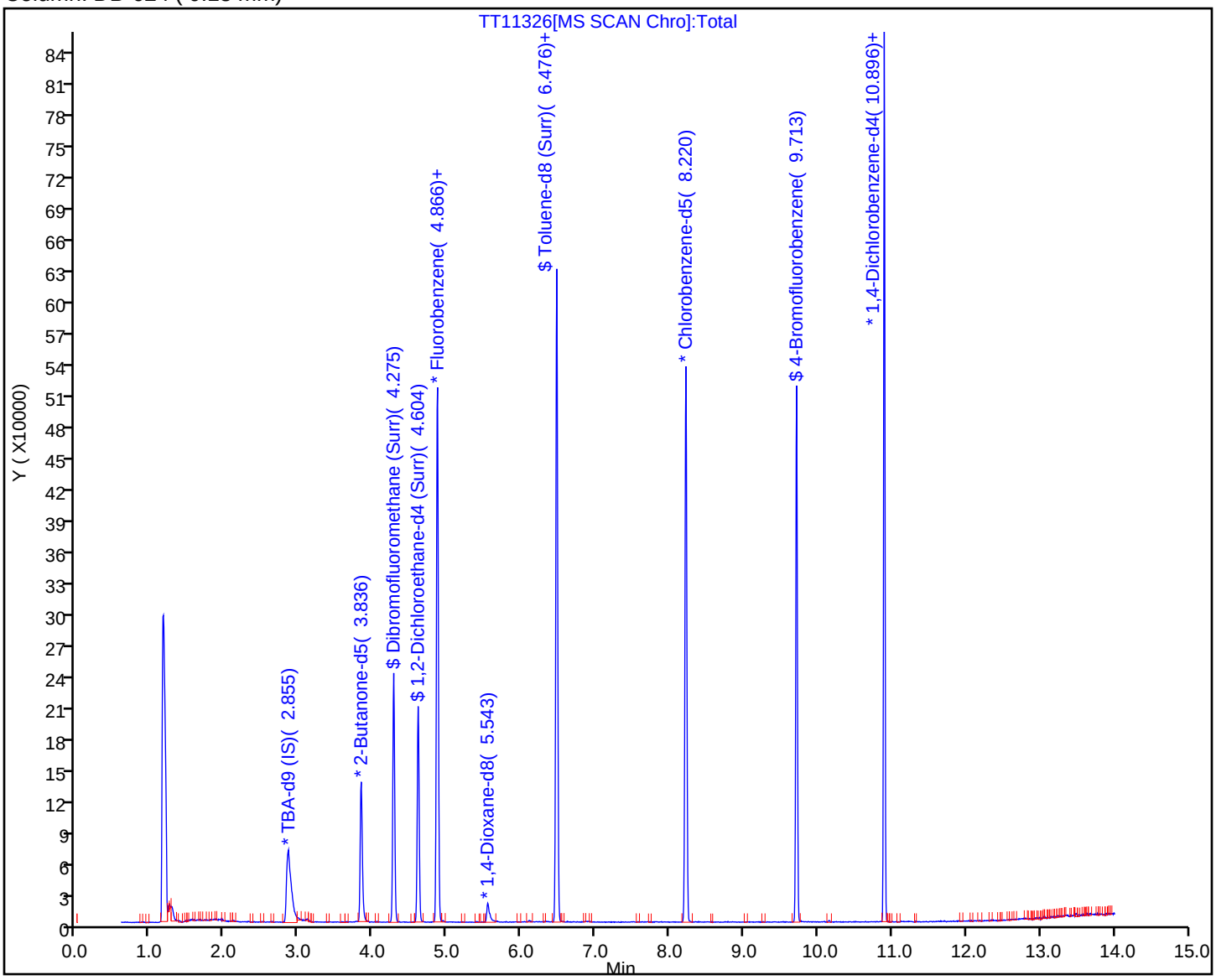
Client ID: MW-4

Operator ID: ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



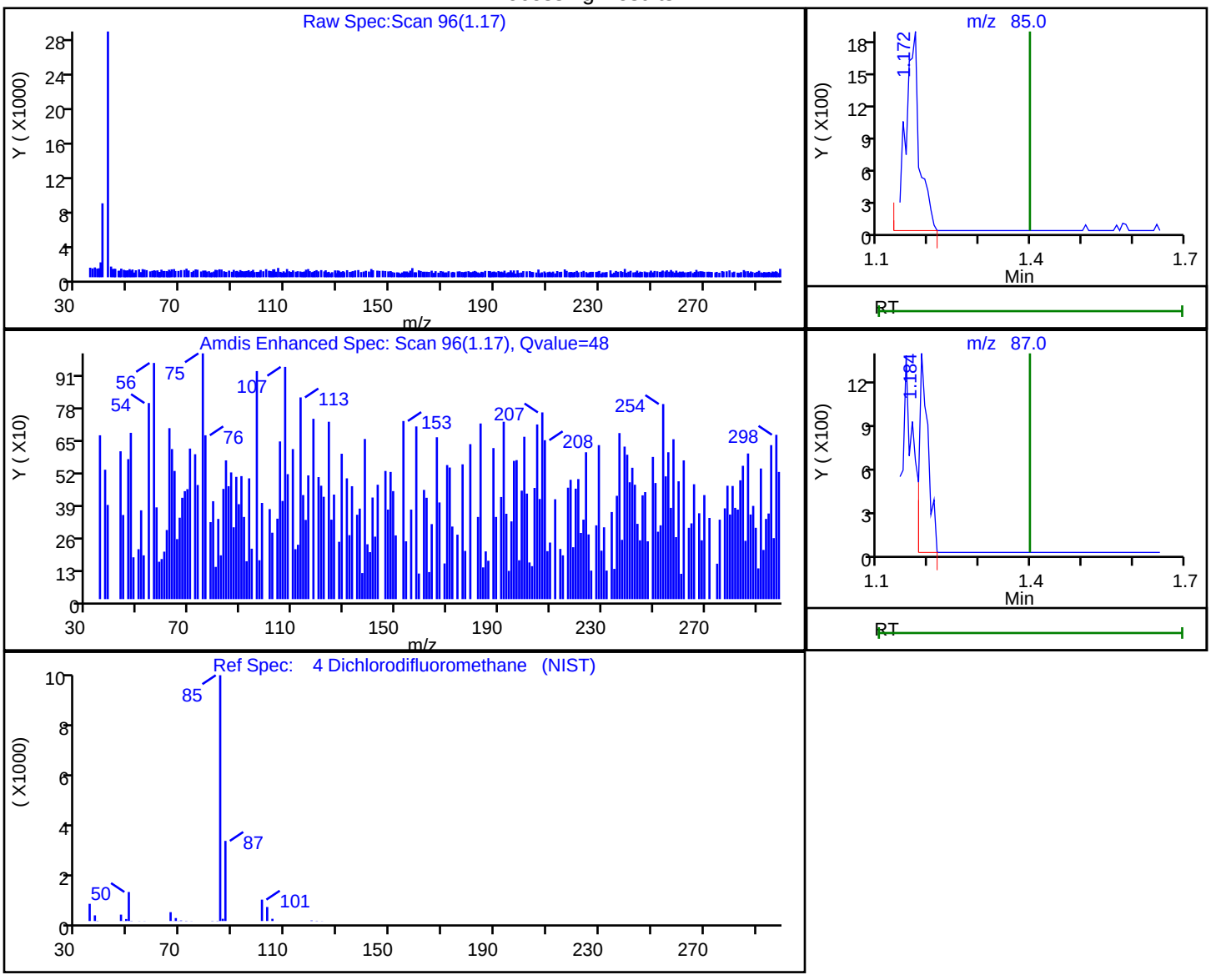
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11326.D		
Injection Date:	27-Dec-2019 09:11:30	Instrument ID:	CVOAMS17
Lims ID:	460-199160-C-1	Lab Sample ID:	460-199160-1
Client ID:	MW-4		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.17	85.00	3329	0.634669
1.18	87.00	1606	

Reviewer: desais, 27-Dec-2019 09:49:41

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

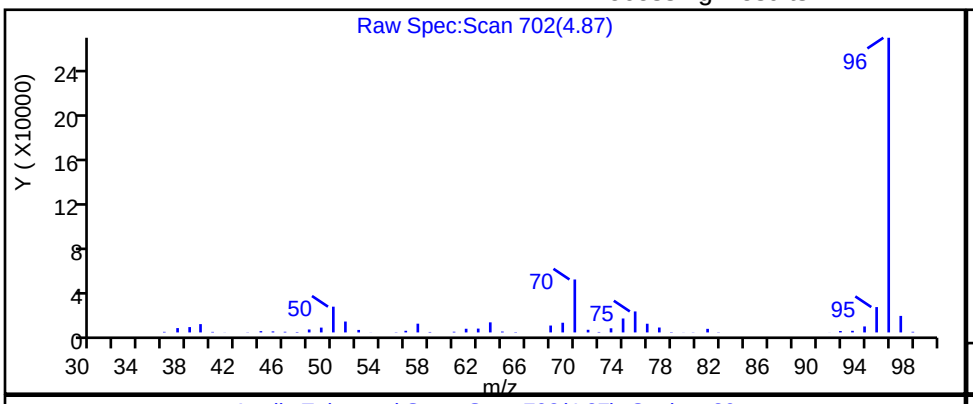
User Disabled Compound Report

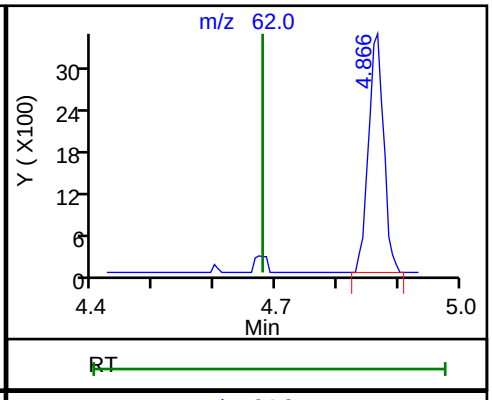
Eurofins TestAmerica, Edison

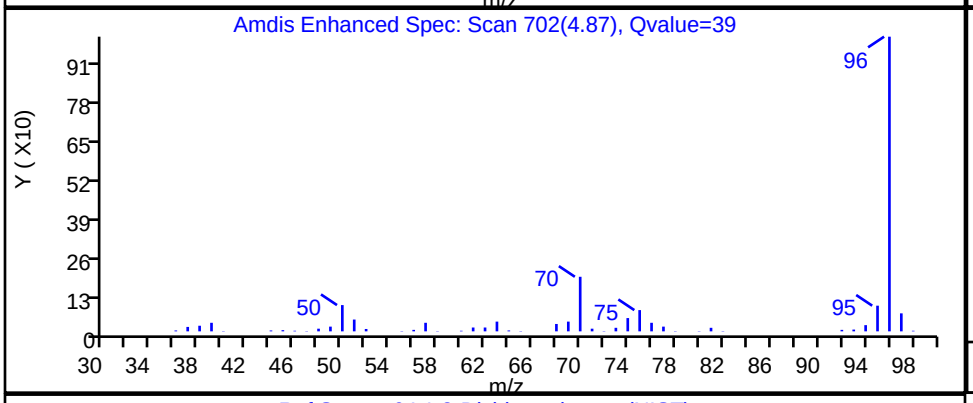
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11326.D		
Injection Date:	27-Dec-2019 09:11:30	Instrument ID:	CVOAMS17
Lims ID:	460-199160-C-1	Lab Sample ID:	460-199160-1
Client ID:	MW-4		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

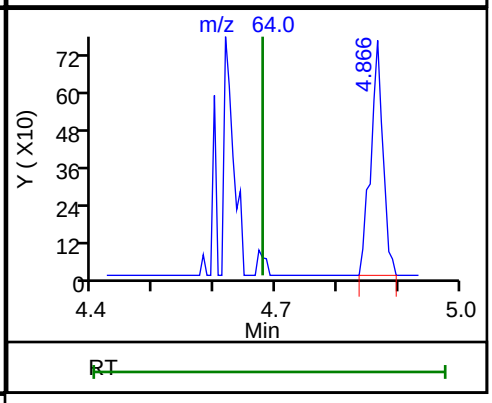
64 1,2-Dichloroethane, CAS: 107-06-2

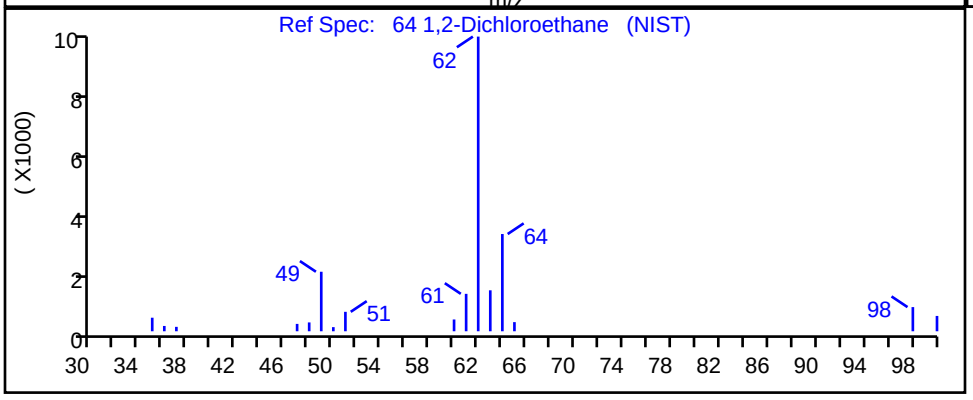
Processing Results











RT	Mass	Response	Amount
4.87	62.00	5885	1.574982
4.87	64.00	1064	

Reviewer: desais, 27-Dec-2019 09:50:13

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-3 Lab Sample ID: 460-199160-2

Matrix: Water Lab File ID: TT1314.D

Analysis Method: 8260C Date Collected: 12/16/2019 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 04:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-3 Lab Sample ID: 460-199160-2

Matrix: Water Lab File ID: TT1314.D

Analysis Method: 8260C Date Collected: 12/16/2019 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 04:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	5.3		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	105		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-3 Lab Sample ID: 460-199160-2

Matrix: Water Lab File ID: TT1314.D

Analysis Method: 8260C Date Collected: 12/16/2019 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 04:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

Number TICs Found: 1 TIC Result Total: 5.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
107-92-6	Butanoic acid	7.99	5.5	J N	91%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1314.D
Lims ID: 460-199160-B-2
Client ID: MW-3
Sample Type: Client
Inject. Date: 27-Dec-2019 04:59:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199160-B-2
Misc. Info.: 460-0103476-030
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 11:36:20 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: xuyvo Date: 28-Dec-2019 11:40:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.849	2.842	0.007	100	33261	1000.0	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	97	172922	250.0	
52 Chloroform	83	4.123	4.123	0.000	95	1239	0.2467	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.269	0.006	97	128746	52.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	140417	51.4	
* 66 Fluorobenzene	96	4.867	4.860	0.007	99	460849	50.0	
* 72 1,4-Dioxane-d8	96	5.549	5.543	0.006	86	23293	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	420241	50.4	
84 Toluene	91	6.549	6.549	0.000	94	54437	5.29	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	85	324198	50.0	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	132380	51.5	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	187136	50.0	

Reagents:

VOA6IS/SURR_00031 Amount Added: 5.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1314.D				
Lims ID:	460-199160-B-2				
Client ID:	MW-3				
Sample Type:	Client				
Inject. Date:	27-Dec-2019 04:59:30	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-199160-B-2				
Misc. Info.:	460-0103476-030				
Operator ID:		Instrument ID:	CVOAMS17		
Method:	\\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	28-Dec-2019 11:36:20	Calib Date:	21-Dec-2019 13:18:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromna\Edison\Database\NIST02.L				
Min. Match:	50				
Column 1 :	DB-624 (0.18 mm)		Det: MS Quad		
Process Host:	CTX0330				
First Level Reviewer: xuyvo		Date:	28-Dec-2019 11:40:02		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
107-92-6 Butanoic acid								
7.994	99894	5.47	94	91	1989	C4H8O2	88	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 94 Chlorobenzene-d5	8.220	913000	50.0

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 28-Dec-2019 11:40:03 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1314.D

Injection Date: 27-Dec-2019 04:59:30 Instrument ID: CVOAMS17

Lims ID: 460-199160-B-2 Lab Sample ID: 460-199160-2

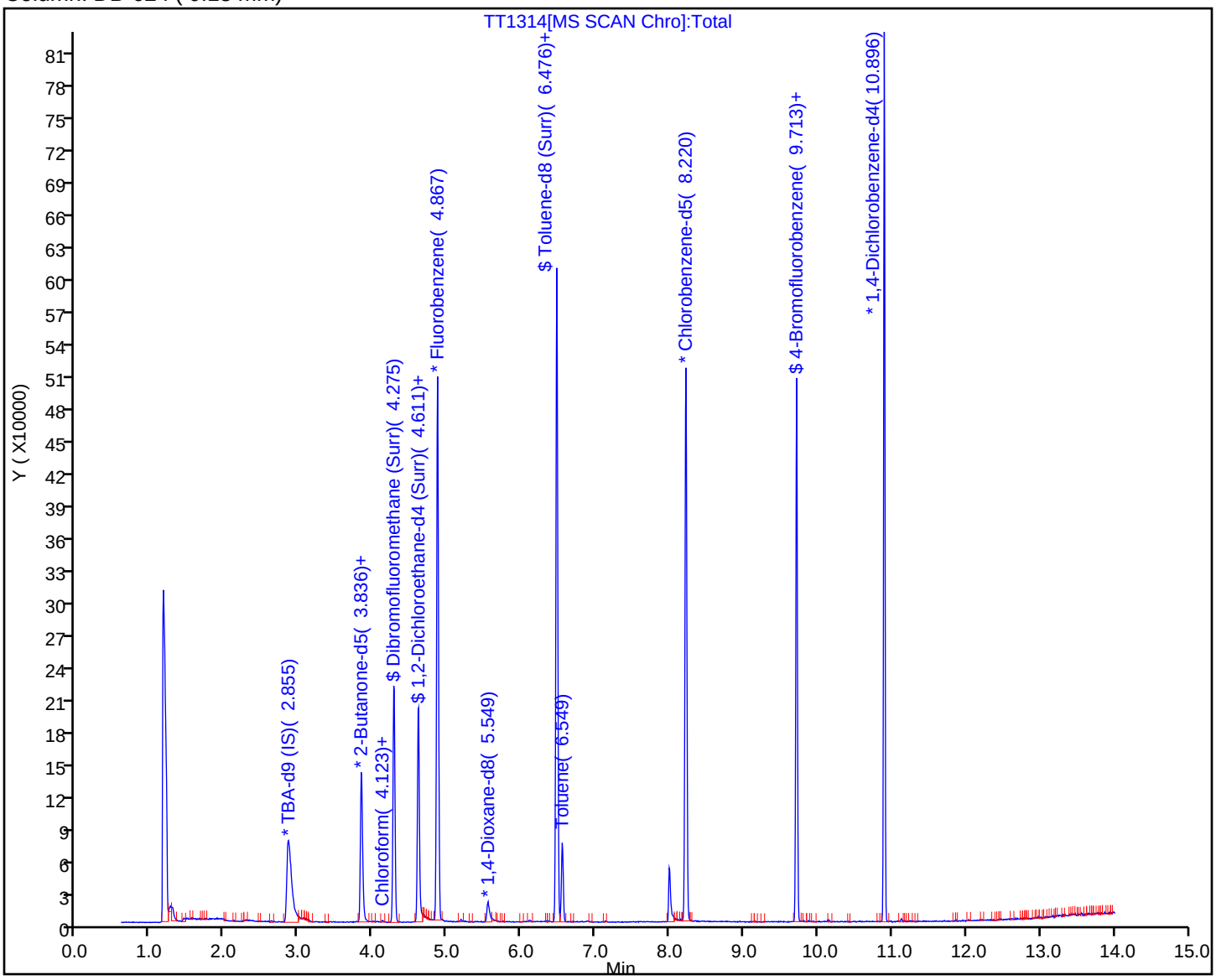
Client ID: MW-3

Operator ID: ALS Bottle#: 29 Worklist Smp#: 30

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



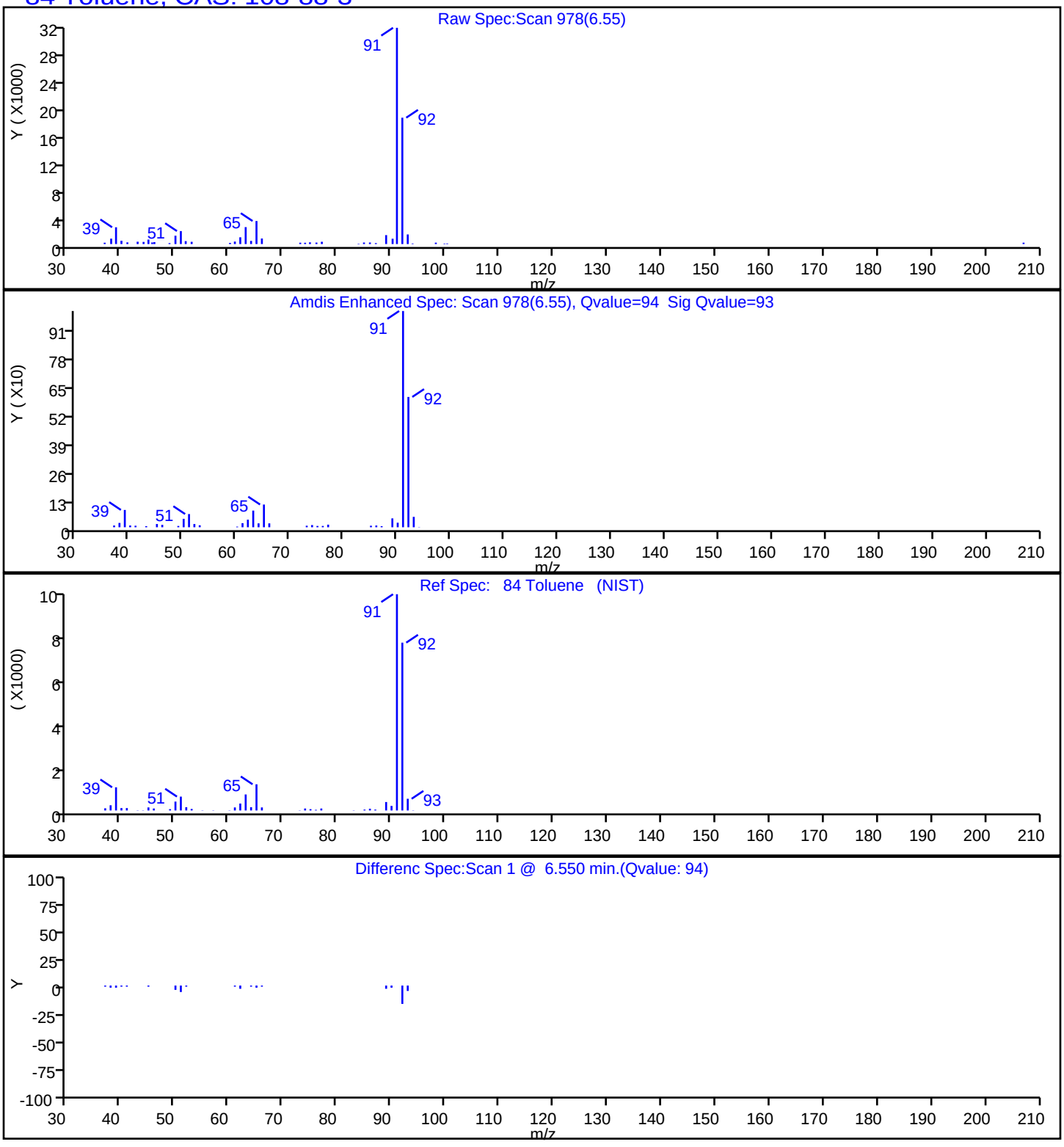
Report Date: 28-Dec-2019 11:40:03 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1314.D

Injection Date:	27-Dec-2019 04:59:30	Instrument ID:	CVOAMS17		
Lims ID:	460-199160-B-2	Lab Sample ID:	460-199160-2		
Client ID:	MW-3				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

84 Toluene, CAS: 108-88-3



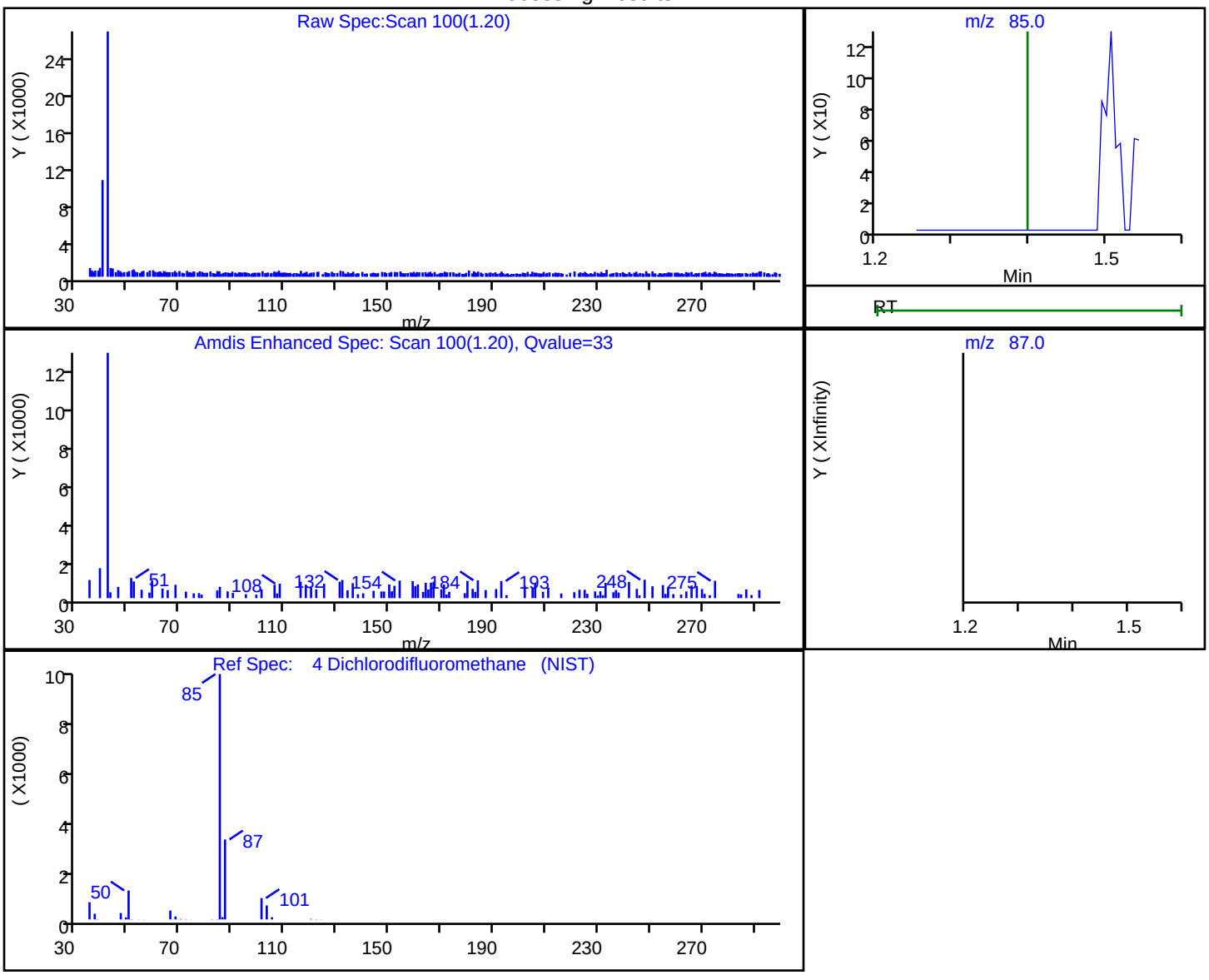
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1314.D		
Injection Date:	27-Dec-2019 04:59:30	Instrument ID:	CVOAMS17
Lims ID:	460-199160-B-2	Lab Sample ID:	460-199160-2
Client ID:	MW-3		
Operator ID:		ALS Bottle#:	29 Worklist Smp#: 30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.20	85.00	1180	0.228491
1.19	87.00	1702	

Reviewer: desais, 27-Dec-2019 07:00:52

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

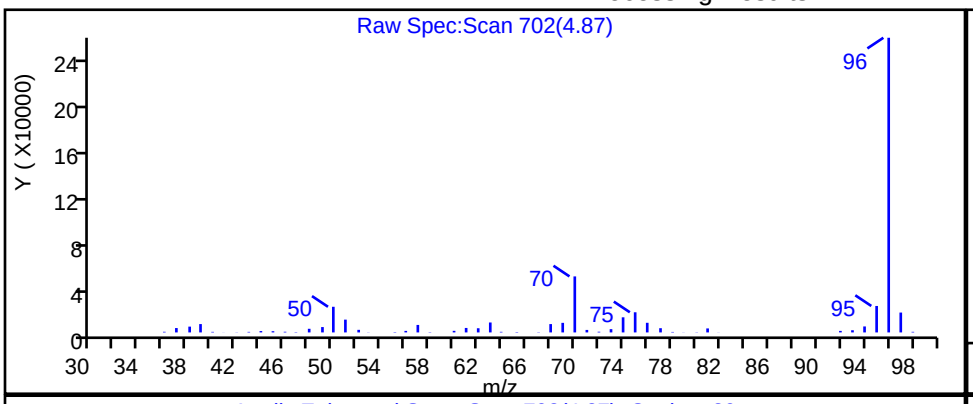
User Disabled Compound Report

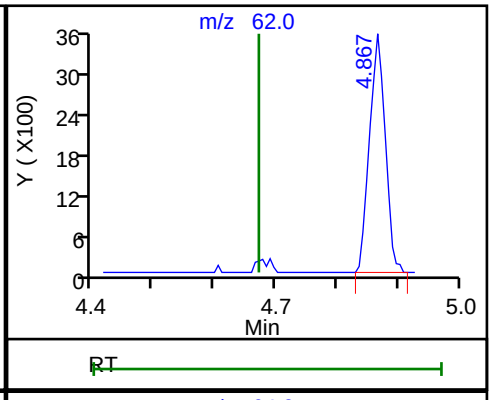
Eurofins TestAmerica, Edison

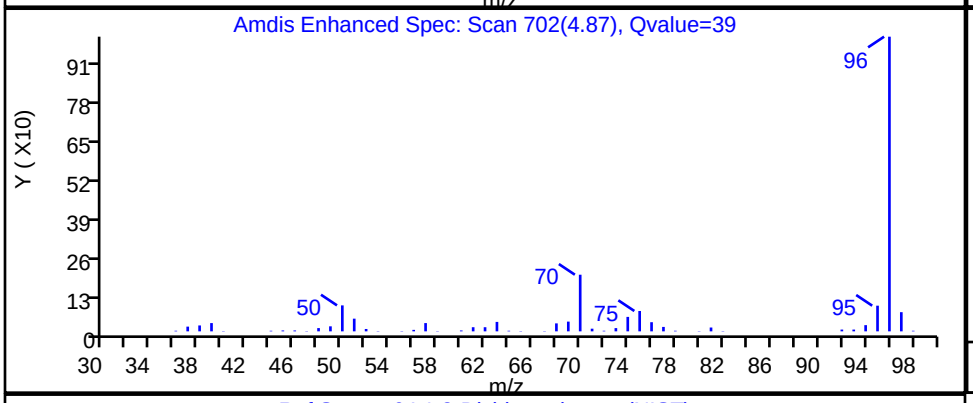
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1314.D		
Injection Date:	27-Dec-2019 04:59:30	Instrument ID:	CVOAMS17
Lims ID:	460-199160-B-2	Lab Sample ID:	460-199160-2
Client ID:	MW-3		
Operator ID:		ALS Bottle#:	29 Worklist Smp#: 30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

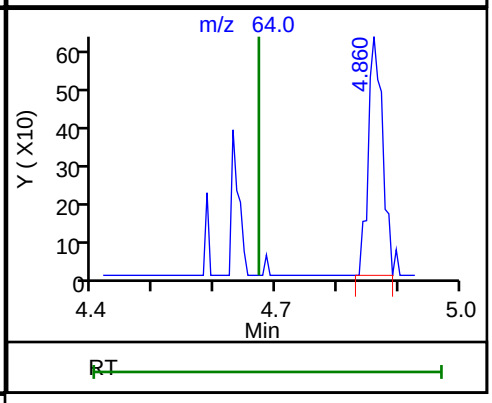
64 1,2-Dichloroethane, CAS: 107-06-2

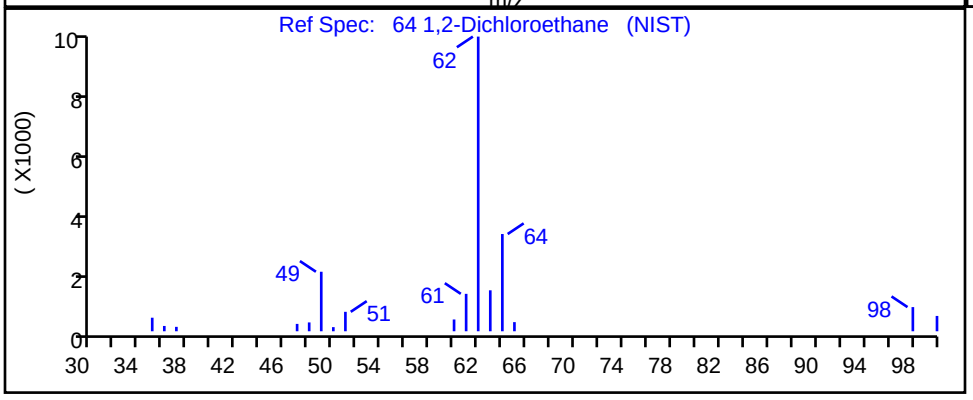
Processing Results











RT	Mass	Response	Amount
4.87	62.00	6450	1.753246
4.86	64.00	1021	

Reviewer: desais, 27-Dec-2019 07:00:57

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

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1314.D

Injection Date: 27-Dec-2019 04:59:30 Instrument ID: CVOAMS17

Lims ID: 460-199160-B-2 Lab Sample ID: 460-199160-2

Client ID: MW-3

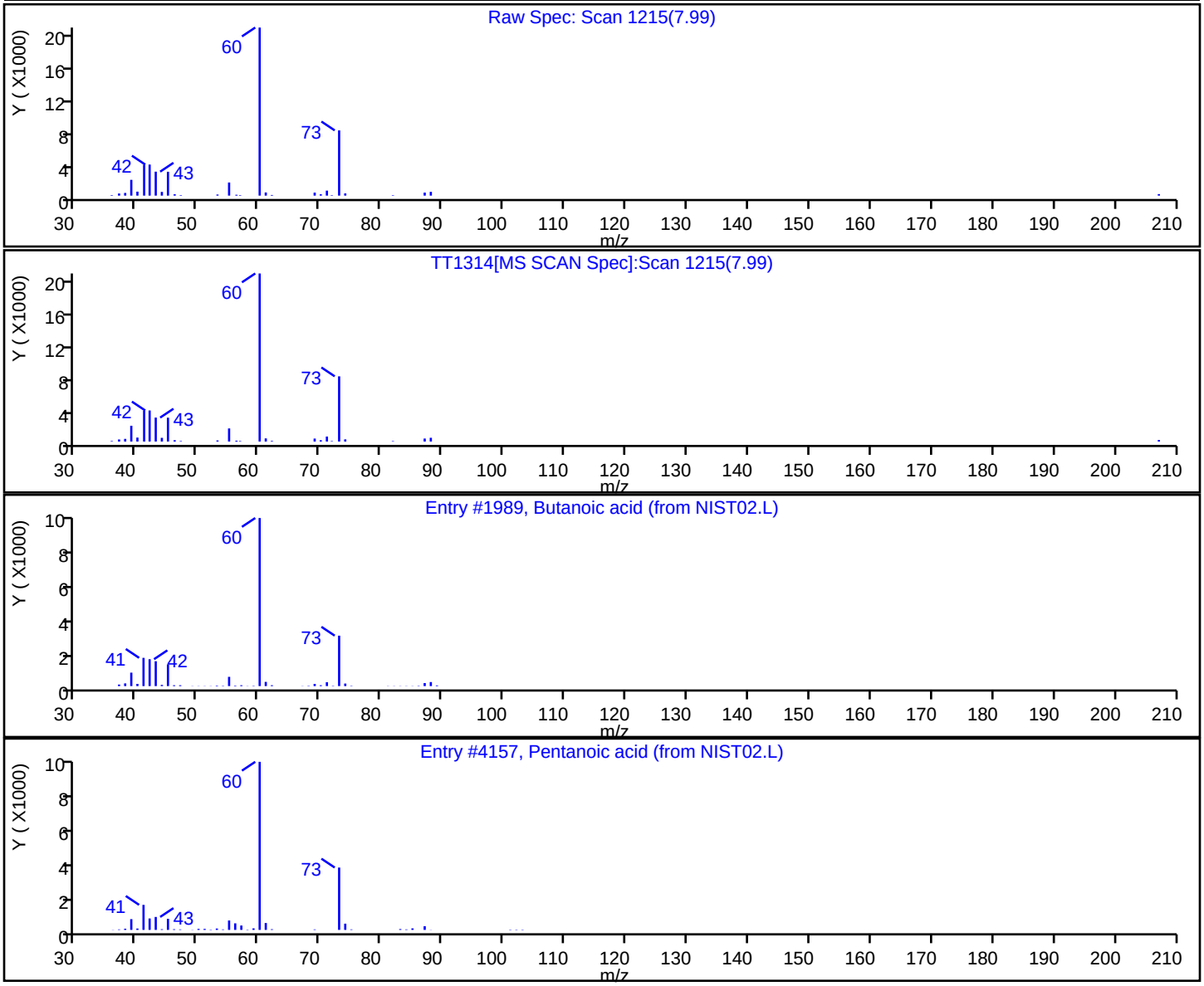
Operator ID: ALS Bottle#: 29 Worklist Smp#: 30

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Butanoic acid	107-92-6	NIST02.L	1989	C4H8O2	88	91
Pentanoic acid	109-52-4	NIST02.L	4157	C5H10O2	102	56



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Equipment Blank Lab Sample ID: 460-199160-3

Matrix: Water Lab File ID: TT1297.D

Analysis Method: 8260C Date Collected: 12/16/2019 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 23:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Equipment Blank Lab Sample ID: 460-199160-3

Matrix: Water Lab File ID: TT1297.D

Analysis Method: 8260C Date Collected: 12/16/2019 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 23:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	J	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	102		77-124
1868-53-7	Dibromofluoromethane (Surr)	107		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Equipment Blank Lab Sample ID: 460-199160-3

Matrix: Water Lab File ID: TT1297.D

Analysis Method: 8260C Date Collected: 12/16/2019 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 23:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1297.D
Lims ID: 460-199160-A-3
Client ID: Equipment Blank
Sample Type: Client
Inject. Date: 26-Dec-2019 23:06:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199160-A-3
Misc. Info.: 460-0103476-013
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 08:09:15 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: parekhv Date: 27-Dec-2019 00:00:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.855	2.842	0.013	99	34769	1000.0	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	97	168780	250.0	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.269	0.006	97	136285	53.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	141583	49.8	
* 66 Fluorobenzene	96	4.866	4.860	0.006	99	479516	50.0	
* 72 1,4-Dioxane-d8	96	5.549	5.543	0.006	87	22379	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	442164	49.3	
84 Toluene	91	6.549	6.549	0.000	90	4184	0.3779	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	84	348696	50.0	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	141084	51.0	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	196604	50.0	

Reagents:

VOA6IS/SURR_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 27-Dec-2019 08:09:58 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1297.D

Injection Date: 26-Dec-2019 23:06:30 Instrument ID: CVOAMS17

Lims ID: 460-199160-A-3 Lab Sample ID: 460-199160-3

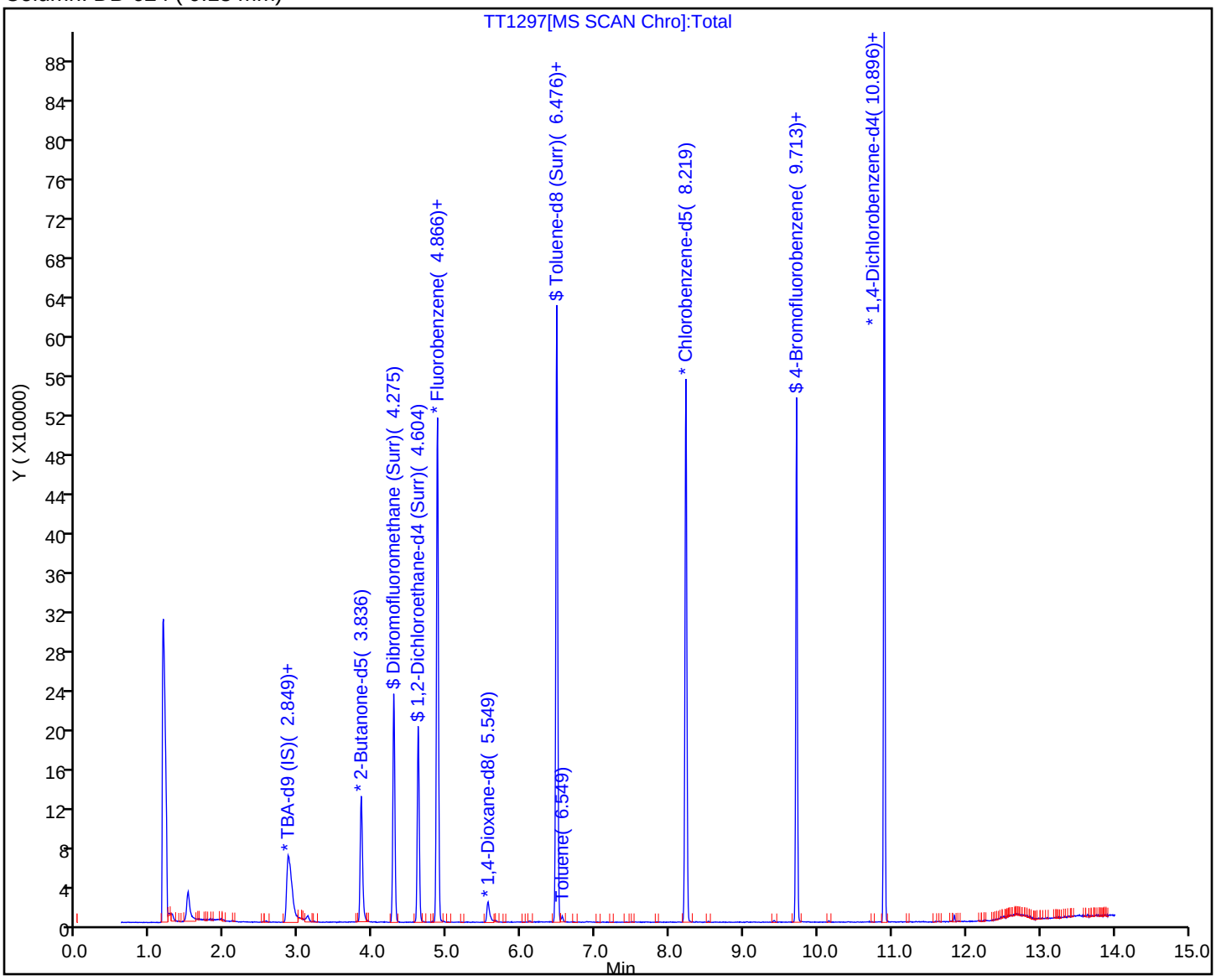
Client ID: Equipment Blank

Operator ID: ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

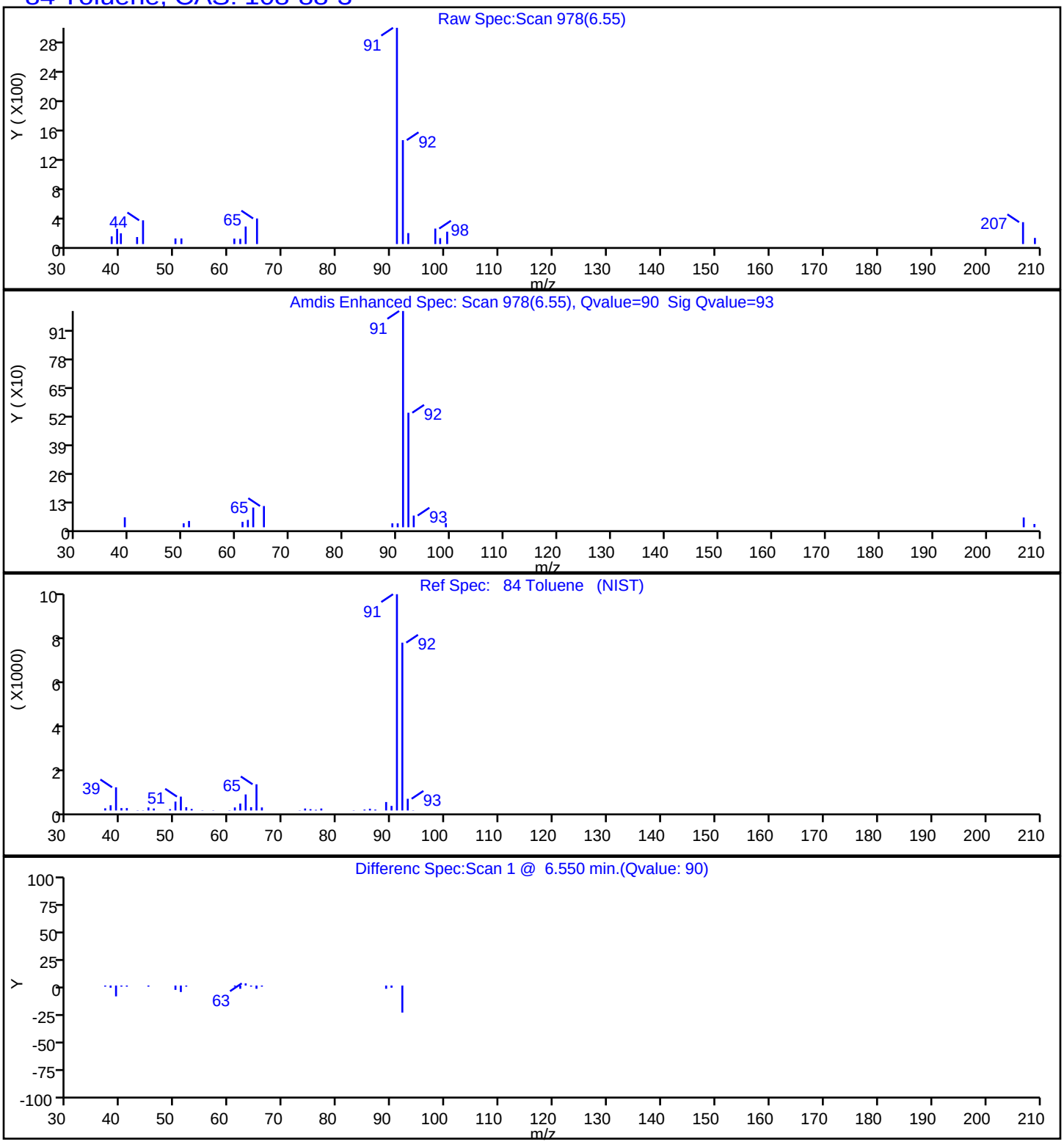
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1297.D				
Injection Date:	26-Dec-2019 23:06:30	Instrument ID:	CVOAMS17		
Lims ID:	460-199160-A-3	Lab Sample ID:	460-199160-3		
Client ID:	Equipment Blank				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

84 Toluene, CAS: 108-88-3



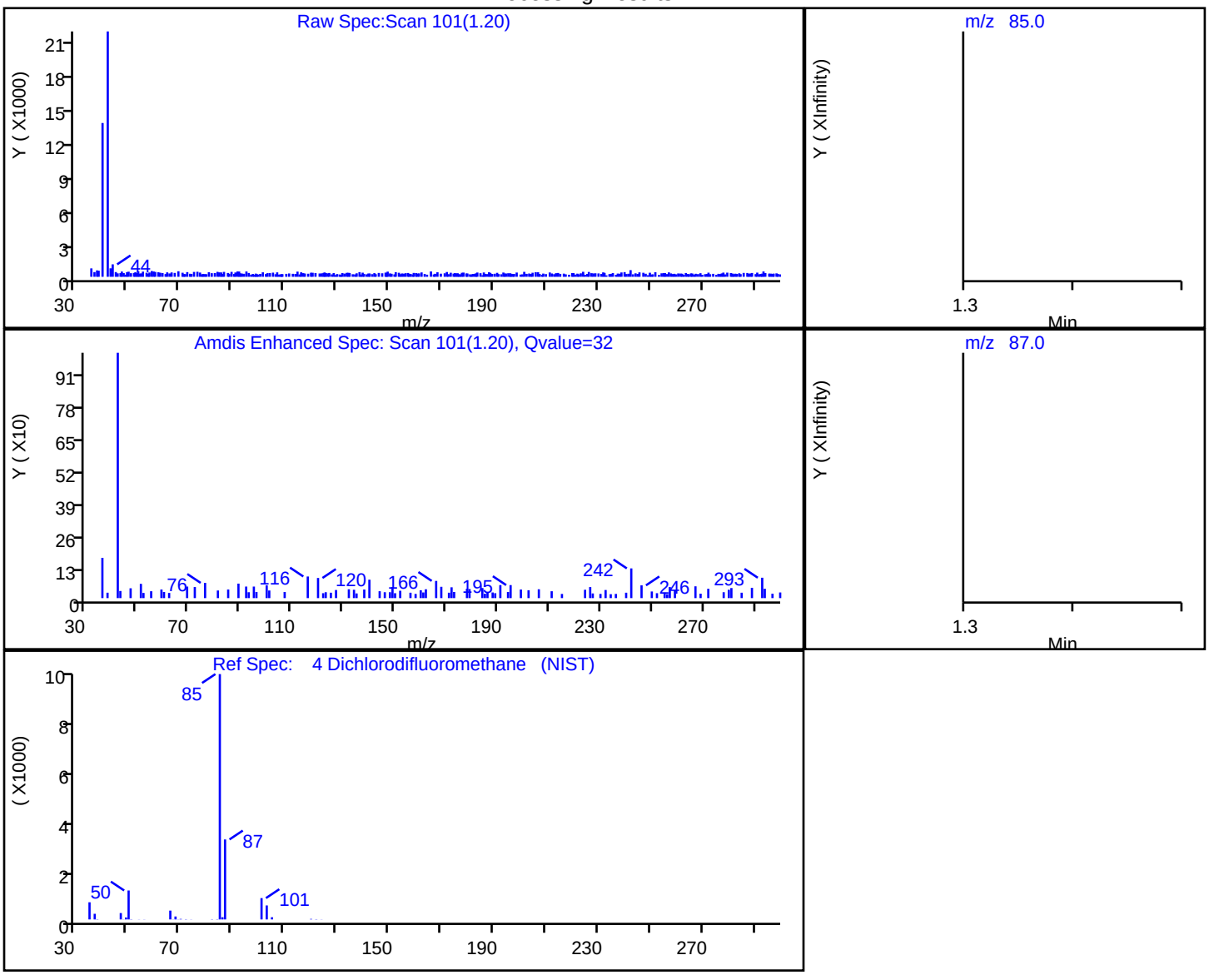
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1297.D		
Injection Date:	26-Dec-2019 23:06:30	Instrument ID:	CVOAMS17
Lims ID:	460-199160-A-3	Lab Sample ID:	460-199160-3
Client ID:	Equipment Blank		
Operator ID:		ALS Bottle#:	12 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.20	85.00	778	0.144785
1.19	87.00	2895	

Reviewer: parekhv, 27-Dec-2019 00:00:38

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-199160-4

Matrix: Water Lab File ID: TT1298.D

Analysis Method: 8260C Date Collected: 12/16/2019 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 23:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-199160-4

Matrix: Water Lab File ID: TT1298.D

Analysis Method: 8260C Date Collected: 12/16/2019 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 23:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	107		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-199160-4

Matrix: Water Lab File ID: TT1298.D

Analysis Method: 8260C Date Collected: 12/16/2019 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 23:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1298.D
Lims ID: 460-199160-A-4
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 26-Dec-2019 23:26:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199160-A-4
Misc. Info.: 460-0103476-014
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 08:09:15 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: desais Date: 27-Dec-2019 06:52:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.843	2.842	0.001	100	34692	1000.0	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	98	168737	250.0	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.269	0.006	97	134766	53.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	140600	50.1	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	473179	50.0	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	89	22962	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	428616	50.3	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	84	331549	50.0	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	135841	51.6	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	188037	50.0	

Reagents:

VOA6IS/SURR_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 27-Dec-2019 08:09:59 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1298.D

Injection Date: 26-Dec-2019 23:26:30 Instrument ID: CVOAMS17

Lims ID: 460-199160-A-4 Lab Sample ID: 460-199160-4

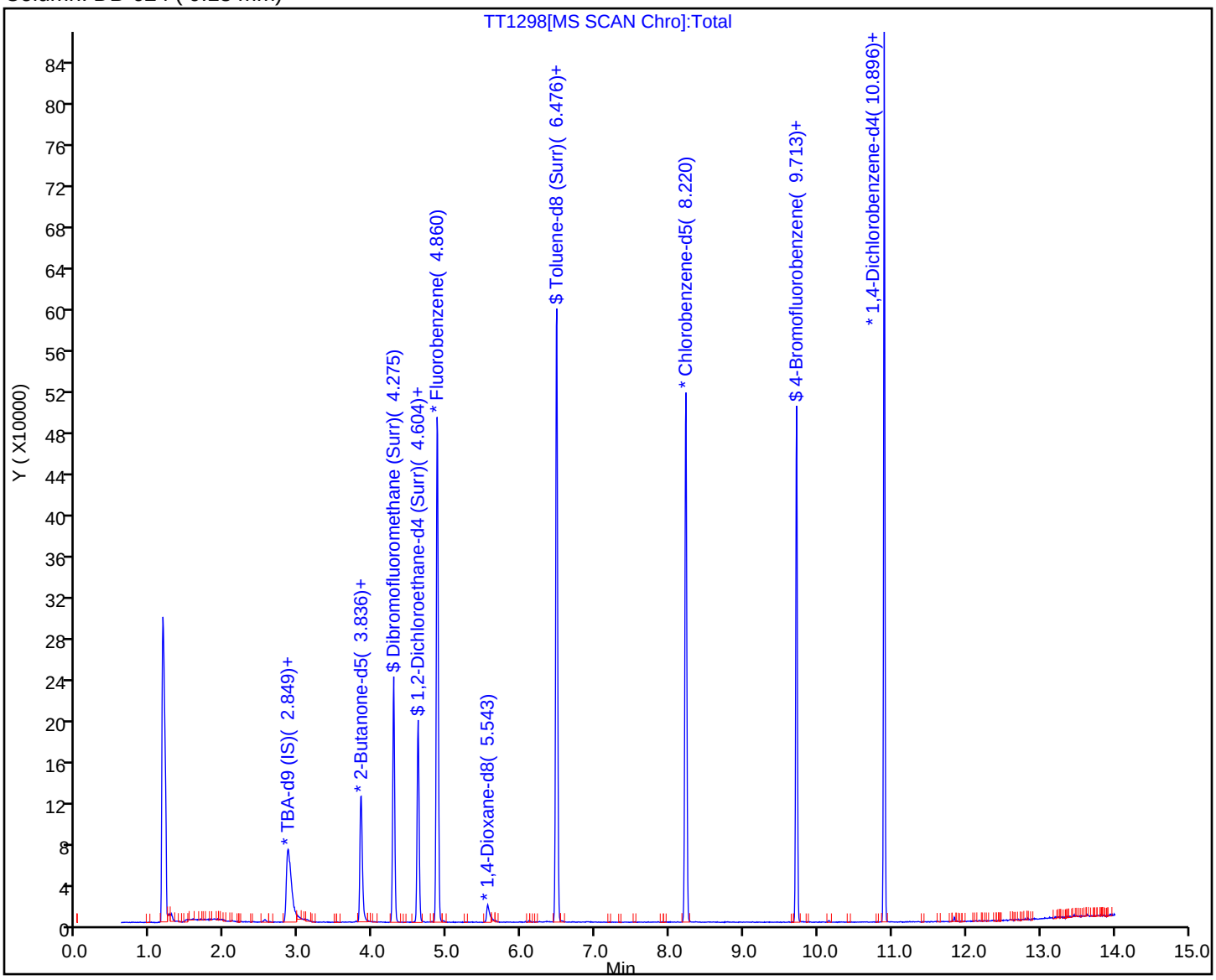
Client ID: Trip Blank

Operator ID: ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



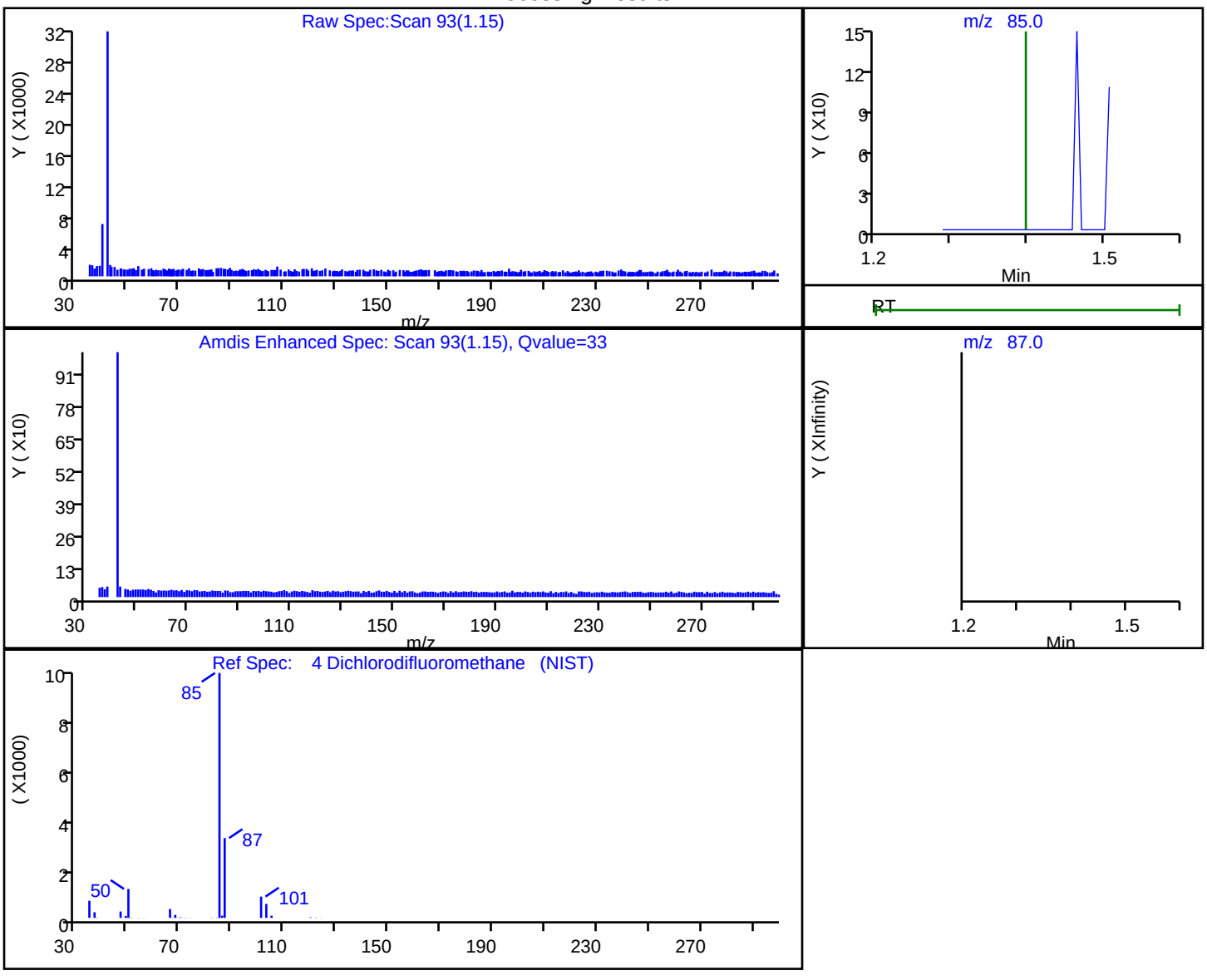
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1298.D				
Injection Date:	26-Dec-2019 23:26:30	Instrument ID:	CVOAMS17		
Lims ID:	460-199160-A-4	Lab Sample ID:	460-199160-4		
Client ID:	Trip Blank				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.15	85.00	1442	0.271948
1.15	87.00	2787	

Reviewer: parekhv, 27-Dec-2019 00:01:53

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-664203/2	TT0989.D
Level 2	STD05 460-664203/3	TT0990.D
Level 3	STD1 460-664203/4	TT0991.D
Level 4	STD5 460-664203/5	TT0992.D
Level 5	STD20 460-664203/6	TT0993.D
Level 6	STD50 460-664203/7	TT0994.D
Level 7	STD200 460-664203/8	TT0995.D
Level 8	STD500 460-664203/9	TT0996.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								
Monochloropentafluoroethane	+++++ 0.0361	0.0119 0.0076	0.0233 0.0077	0.0311	0.0343	Ave		0.0217				57.9	*	20.0			
Chlorotrifluoroethene	+++++ 0.1751	0.0996 0.1111	0.1166 0.1210	0.1318	0.1495	Ave		0.1292				19.9		20.0			
1,1-Difluoroethane	+++++ 0.3250	0.2363 0.2623	0.2950 0.2478	0.3030	0.2714	Ave		0.2773				11.5		20.0			
Dichlorodifluoromethane	+++++ 0.6393	0.4130 0.6111	0.5193 0.6182	0.6016	0.5196	Ave		0.5603			0.1000	14.4		20.0			
Chlorodifluoromethane	+++++ 0.4704	0.3276 0.4002	0.3886 0.3862	0.4594	0.4142	Ave		0.4067				11.9		20.0			
Chloromethane	+++++ 0.3787	0.3614 0.3712	0.4165 0.3508	0.3832	0.3326	Ave		0.3706			0.1000	7.2		20.0			
Butadiene	0.3262 0.3339	0.3306 0.3020	0.3361 0.2916	0.3154	0.2779	Ave		0.3142				6.9		20.0			
Vinyl chloride	+++++ 0.4285	0.3767 0.3958	0.3718 0.3708	0.4111	0.3530	Ave		0.3868			0.1000	6.8		20.0			
Bromomethane	+++++ 3.4514	3.6853 3.3699	3.8172 2.7526	3.8224	3.3710	Ave		3.4671			0.1000	10.7		20.0			
Chloroethane	+++++ 2.3741	3.5596 2.2786	3.1897 1.9091	2.6224	2.3227	Lin2	0.7027	2.2791			0.1000				0.9900		0.9900
Dichlorofluoromethane	+++++ 0.7274	0.5879 0.6804	0.6503 0.5902	0.7069	0.6430	Ave		0.6552				8.2		20.0			
Trichlorofluoromethane	+++++ 0.6821	0.4626 0.6221	0.5316 0.5830	0.6344	0.5787	Ave		0.5849			0.1000	12.3		20.0			
Pentane	+++++ 0.0598	0.0543 0.0534	0.0534 0.0489	0.0544	0.0507	Ave		0.0535				6.4		20.0			
Ethanol	+++++ 0.3228	0.1618 0.3076	0.1302 0.2648	0.3117	0.2986	QuaF		0.3345	-0.000003						1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

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								
Ethyl ether	+++++ 0.1903	0.1979 0.1797	0.1750 0.1520	0.1839	0.1727	Ave		0.1788				8.2		20.0			
2-Methyl-1,3-butadiene	+++++ 0.2677	0.2124 0.2448	0.2566 0.2250	0.2635	0.2333	Ave		0.2433				8.5		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.3597	0.3408 0.2959	0.3579 0.2769	0.3182	0.3113	Ave		0.3230				9.7		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.5365	0.5427 0.4496	0.5259 0.4202	0.5025	0.4774	Ave		0.4935				9.4		20.0			
Acrolein	+++++ 9.4912	11.784 9.1914	12.186 7.9131	10.991	9.2476	Ave		10.115				15.5		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.4005	0.2380 0.2700	0.2849 0.3258	0.3602	0.3483	Ave		0.3182			0.1000	17.8		20.0			
1,1-Dichloroethene	+++++ 0.3618	0.3020 0.2977	0.3364 0.2834	0.3662	0.3069	Ave		0.3221			0.1000	10.2		20.0			
Acetone	+++++ 0.9459	0.8793 0.9579	1.0140 0.7788	0.8900	0.8183	Ave		0.8978			0.0500	9.1		20.0			
Iodomethane	+++++ 0.7098	0.5849 0.6413	0.6667 0.5706	0.6934	0.6417	Ave		0.6441				8.1		20.0			
Isopropyl alcohol	+++++ 3.9647	4.7051 4.2683	2.9651 3.5998	4.1749	3.7883	Ave		3.9238				14.1		20.0			
Carbon disulfide	+++++ 1.3369	1.1848 1.1332	1.2944 1.0616	1.3478	1.2006	Ave		1.2227			0.1000	8.8		20.0			
Allyl chloride	+++++ 0.2185	0.1807 0.1884	0.1871 0.1731	0.2009	0.1955	Ave		0.1920				7.7		20.0			
Methyl acetate	+++++ 0.1714	0.1851 0.1827	0.1919 0.1482	0.1670	0.1616	Ave		0.1726			0.1000	8.8		20.0			
Cyclopentene	+++++ 0.7795	0.7427 0.6729	0.6996 0.6200	0.7654	0.6815	Ave		0.7088				8.0		20.0			
Acetonitrile	+++++ 0.1947	0.1284 0.1924	0.1406 0.1750	0.2554	0.2162	QuaF		0.2035	-0.000006						1.0000		0.9900
Methylene Chloride	+++++ 0.3929	0.4330 0.3537	0.4031 0.3133	0.3941	0.3621	Ave		0.3789			0.1000	10.3		20.0			
2-Methyl-2-propanol	+++++ 6.4482	7.3287 6.6979	7.8936 5.7267	7.1192	6.7037	Ave		6.8454				10.1		20.0			
Methyl tert-butyl ether	+++++ 0.8635	0.9248 0.7793	0.8539 0.6589	0.8523	0.8154	Ave		0.8212			0.1000	10.3		20.0			
trans-1,2-Dichloroethene	+++++ 0.3661	0.3844 0.3115	0.3485 0.2863	0.3548	0.3337	Ave		0.3408			0.1000	9.8		20.0			
Acrylonitrile	0.0904 0.1006	0.0877 0.0926	0.0928 0.0782	0.0960	0.0919	Ave		0.0913				7.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

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								
Hexane	+++++ 0.4181	0.2720 +++++	0.3337 +++++	0.3533	0.3589	Ave		0.3472				15.1		20.0			
Isopropyl ether	+++++ 0.8457	0.7781 0.7649	0.8075 0.6401	0.8294	0.7859	Ave		0.7788				8.7		20.0			
1,1-Dichloroethane	+++++ 0.5732	0.4915 0.5045	0.5433 0.4557	0.5766	0.5337	Ave		0.5255			0.2000	8.4		20.0			
Vinyl acetate	+++++ 0.7800	0.5847 0.6964	0.6394 0.5784	0.7856	0.7646	Ave		0.6899				13.1		20.0			
2-Chloro-1,3-butadiene	+++++ 0.3164	0.2589 0.2778	0.2883 0.2512	0.3066	0.2783	Ave		0.2825				8.4		20.0			
Tert-butyl ethyl ether	+++++ 0.9236	0.8763 0.8324	0.8346 0.7077	0.8861	0.8630	Ave		0.8462				8.1		20.0			
2,2-Dichloropropane	+++++ 0.1291	0.1178 0.1057	0.1235 0.1088	0.1100	0.1171	Ave		0.1160				7.3		20.0			
cis-1,2-Dichloroethene	+++++ 0.3921	0.3925 0.3529	0.4047 0.3106	0.3853	0.3573	Ave		0.3708			0.1000	8.8		20.0			
2-Butanone (MEK)	+++++ 0.3539	0.3358 0.3532	0.4255 0.3081	0.3894	0.3640	Ave		0.3614			0.0500	10.4		20.0			
Ethyl acetate	+++++ 0.3983	0.7204 0.3764	0.5999 0.3296	0.4444	0.4144	Lin2	0.3556	0.3858							0.9920		0.9900
Methyl acrylate	+++++ 0.2149	0.2650 0.2035	0.2466 0.1913	0.2171	0.2086	Ave		0.2210				11.7		20.0			
Propionitrile	+++++ 8.9414	8.4831 9.1321	8.4569 8.2954	9.1375	8.7813	Ave		8.7468				3.9		20.0			
Chlorobromomethane	+++++ 0.2018	0.1748 0.1831	0.1893 0.1617	0.1985	0.1901	Ave		0.1856				7.5		20.0			
Tetrahydrofuran	+++++ 0.4363	0.5645 0.4340	0.3708 0.3626	0.4683	0.4422	Ave		0.4398				15.3		20.0			
Methacrylonitrile	+++++ 0.1138	0.0986 0.1031	0.1109 0.0836	0.1156	0.1091	Ave		0.1050				10.6		20.0			
Chloroform	+++++ 0.5794	0.5741 0.4978	0.6221 0.4317	0.5793	0.5297	Ave		0.5449			0.2000	11.7		20.0			
Cyclohexane	+++++ 0.5573	0.4279 0.3371	0.4891 0.4594	0.5226	0.4970	Ave		0.4701			0.1000	15.3		20.0			
1,1,1-Trichloroethane	+++++ 0.5497	0.4847 0.4329	0.5328 0.4566	0.5442	0.4931	Ave		0.4992			0.1000	9.0		20.0			
Carbon tetrachloride	+++++ 0.4811	0.4571 0.3717	0.4477 0.4325	0.4676	0.4325	Ave		0.4415			0.1000	8.0		20.0			
1,1-Dichloropropene	+++++ 0.4299	0.3760 0.3442	0.4115 0.3665	0.4258	0.3865	Ave		0.3915				8.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

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								
Isobutyl alcohol	+++++ 4.4843	3.5437 4.2936	3.6995 4.0903	4.4131	4.4166	Ave		4.1344				9.1		20.0			
2,2,4-Trimethylpentane	+++++ 1.2211	0.6440 0.9988	0.8186 0.9965	0.9368	1.0242	Lin2	-0.209	1.0462							0.9920		0.9900
Benzene	+++++ 1.5890	1.6072 1.4604	1.6881 1.2496	1.7403	1.5063	Ave		1.5487			0.5000	10.6		20.0			
Tert-amyl methyl ether	+++++ 1.0818	0.8614 0.9435	0.9062 0.7798	0.9682	0.9183	Ave		0.9227				10.1		20.0			
Isopropyl acetate	+++++ 0.1461	0.1706 0.1386	0.1383 0.1208	0.1481	0.1390	Ave		0.1431				10.5		20.0			
1,2-Dichloroethane	+++++ 0.4064	0.4373 0.3774	0.4349 0.3430	0.4176	0.3774	Ave		0.3991			0.1000	8.7		20.0			
n-Heptane	+++++ 0.0887	0.0493 0.0354	0.0548 0.0784	0.0648	0.0813	Ave		0.0646				29.9	*	20.0			
n-Butanol	+++++ 1.7385	2.0727 1.8771	1.7941 1.8095	1.8188	1.6566	Ave		1.8239				7.1		20.0			
Trichloroethene	+++++ 0.3191	0.2536 0.2811	0.3304 0.2932	0.3195	0.2925	Ave		0.2985			0.2000	8.9		20.0			
Methylcyclohexane	+++++ 0.6506	0.4706 0.3476	0.5021 0.5666	0.5753	0.5506	Ave		0.5233			0.1000	18.4		20.0			
Ethyl acrylate	+++++ 0.0492	0.0324 0.0375	0.0363 0.0442	0.0457	0.0429	Ave		0.0412				14.4		20.0			
1,2-Dichloropropane	+++++ 0.2795	0.2459 0.2594	0.2581 0.2452	0.2696	0.2565	Ave		0.2592			0.1000	4.7		20.0			
Methyl methacrylate	+++++ 0.0790	0.0802 0.0750	0.0692 0.0708	0.0751	0.0766	Ave		0.0751				5.4		20.0			
1,4-Dioxane	+++++ 1.1305	0.9076 1.1701	1.2163 1.5280	1.2229	1.1442	Ave		1.1885				15.4		20.0			
Dibromomethane	+++++ 0.1916	0.2058 0.1804	0.1891 0.1649	0.1979	0.1769	Ave		0.1867				7.4		20.0			
n-Propyl acetate	+++++ 0.2941	0.2163 0.2747	0.3392 0.2574	0.2941	0.2678	Ave		0.2777				13.6		20.0			
Dichlorobromomethane	+++++ 0.4003	0.3890 0.3925	0.3589 0.3859	0.3865	0.3666	Ave		0.3828			0.2000	3.8		20.0			
2-Nitropropane	+++++ 0.0689	0.0834 0.0716	0.0726 0.0726	0.0697	0.0630	Ave		0.0717				8.6		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1720	0.1282 0.1641	0.1640 0.1621	0.1604	0.1600	Ave		0.1587				8.8		20.0			
Epichlorohydrin	0.3084 0.3184	0.3015 0.3205	0.2996 0.2937	0.3102	0.3038	Ave		0.3070				3.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

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								
cis-1,3-Dichloropropene	+++++ 0.6490	0.5433 0.6278	0.6315 0.5861	0.6161	0.6092	Ave		0.6090			0.2000	5.7		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.7717	2.1690 2.7609	2.4709 2.3735	2.6292	2.5421	Ave		2.5310			0.0500	8.5		20.0			
Toluene	+++++ 1.6600	1.5984 1.4153	1.7422 1.4164	1.7083	1.5738	Ave		1.5878			0.4000	8.3		20.0			
trans-1,3-Dichloropropene	+++++ 0.5925	0.5634 0.5796	0.5940 0.5519	0.5808	0.5574	Ave		0.5742			0.1000	2.9		20.0			
Ethyl methacrylate	+++++ 0.5015	0.4781 0.4863	0.5022 0.4320	0.4777	0.4554	Ave		0.4762				5.3		20.0			
1,1,2-Trichloroethane	+++++ 0.2859	0.2965 0.2725	0.3050 0.2509	0.2934	0.2754	Ave		0.2828			0.1000	6.4		20.0			
Tetrachloroethene	+++++ 0.4273	0.4090 0.3181	0.4252 0.3758	0.4310	0.3963	Ave		0.3975			0.2000	10.1		20.0			
1,3-Dichloropropane	+++++ 0.5688	0.5423 0.5468	0.6441 0.5077	0.5824	0.5343	Ave		0.5609				7.8		20.0			
2-Hexanone	+++++ 1.7414	1.5060 1.6476	1.6400 1.5170	1.6593	1.6179	Ave		1.6185			0.0500	5.1		20.0			
n-Butyl acetate	+++++ 0.4588	0.4889 0.4442	0.4701 0.3874	0.4482	0.4165	Ave		0.4449				7.6		20.0			
Chlorodibromomethane	+++++ 0.4096	0.3806 0.3982	0.3810 0.3737	0.4073	0.3703	Ave		0.3887			0.1000	4.2		20.0			
Ethylene Dibromide	+++++ 0.3584	0.3284 0.3476	0.3530 0.3255	0.3694	0.3541	Ave		0.3481			0.1000	4.6		20.0			
Chlorobenzene	+++++ 1.1369	1.0367 0.9952	1.0848 0.9957	1.1507	1.0745	Ave		1.0678			0.5000	5.8		20.0			
Ethylbenzene	+++++ 0.6178	0.6126 0.4726	0.6311 0.5017	0.6192	0.5862	Ave		0.5773			0.1000	11.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.4647	0.4121 0.4272	0.4461 0.3821	0.4485	0.4325	Ave		0.4305				6.3		20.0			
m-Xylene & p-Xylene	+++++ 0.7779	0.6954 0.5931	0.8010 0.6510	0.7997	0.7234	Ave		0.7202			0.1000	11.0		20.0			
o-Xylene	+++++ 0.8151	0.7732 0.6674	0.7924 0.6968	0.8161	0.7601	Ave		0.7602			0.3000	7.6		20.0			
n-Butyl acrylate	+++++ 0.3418	0.3403 0.3187	0.3121 0.2627	0.3155	0.3009	Ave		0.3131				8.5		20.0			
Styrene	+++++ 1.2466	1.1856 1.0044	1.1780 0.9736	1.2317	1.1825	Ave		1.1432			0.3000	9.5		20.0			
Bromoform	+++++ 0.2615	0.2453 0.2623	0.2471 0.2546	0.2506	0.2489	Ave		0.2529			0.1000	2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

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								
Amyl acetate (mixed isomers)	+++++ 1.2628	1.0796 1.2686	1.0727 1.1242	1.1321	1.0475	Ave		1.1411				7.9		20.0			
Isopropylbenzene	+++++ 2.1368	1.9460 1.4863	2.0480 1.7668	2.0752	1.9494	Ave		1.9155			0.1000	11.7		20.0			
Bromobenzene	+++++ 0.9574	0.7110 0.8752	0.9409 0.9013	0.9255	0.8530	Ave		0.8806				9.4		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9117	0.7043 0.9122	0.7794 0.8290	0.8683	0.8235	Ave		0.8326			0.3000	8.9		20.0			
N-Propylbenzene	+++++ 4.6417	3.9957 3.1517	3.9875 3.8017	4.4161	4.0341	Ave		4.0041				11.8		20.0			
1,2,3-Trichloropropane	+++++ 0.2740	0.2206 0.2594	0.2563 0.2256	0.2984	0.2467	Ave		0.2544				10.6		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2281	0.1894 0.2217	0.2345 0.2053	0.2045	0.1986	Ave		0.2117				7.8		20.0			
2-Chlorotoluene	+++++ 3.2116	2.6923 2.5810	3.0224 2.6909	3.0118	2.8441	Ave		2.8649				7.9		20.0			
4-Ethyltoluene	+++++ 3.9048	3.3217 3.5172	3.3508 3.1277	3.7447	3.4882	Ave		3.4936				7.5		20.0			
1,3,5-Trimethylbenzene	+++++ 3.5160	2.8024 2.5348	3.0489 2.9808	3.3024	3.1148	Ave		3.0429				10.5		20.0			
4-Chlorotoluene	+++++ 3.0400	2.8443 2.3504	3.0385 2.5481	3.0180	2.7553	Ave		2.7992				9.6		20.0			
Butyl Methacrylate	+++++ 1.2329	0.9637 1.1957	0.9749 1.0794	1.1604	1.1161	Ave		1.1033				9.5		20.0			
tert-Butylbenzene	+++++ 2.8610	2.2069 1.9983	2.4732 2.7264	2.6282	2.4189	Ave		2.4733				12.1		20.0			
1,2,4-Trimethylbenzene	+++++ 3.5951	3.2362 2.7104	3.1262 3.0305	3.4373	3.2043	Ave		3.1914				8.9		20.0			
sec-Butylbenzene	+++++ 4.4583	3.4657 2.7608	3.6704 3.8266	4.1663	3.7707	Ave		3.7313				14.5		20.0			
1,3-Dichlorobenzene	+++++ 1.7964	1.6484 1.4832	1.6838 1.5660	1.8000	1.6697	Ave		1.6639			0.6000	6.9		20.0			
4-Isopropyltoluene	+++++ 3.8621	3.2767 2.4104	3.2819 3.1056	3.6876	3.3440	Ave		3.2812				14.2		20.0			
1,4-Dichlorobenzene	+++++ 1.7627	1.5757 1.4538	1.7391 1.5263	1.7549	1.6172	Ave		1.6328			0.5000	7.5		20.0			
1,2,3-Trimethylbenzene	+++++ 3.6709	2.9852 3.5393	3.4028 3.0394	3.5719	3.3059	Ave		3.3593				7.9		20.0			
Benzyl chloride	+++++ 2.0273	1.2762 2.0163	1.3120 1.8870	1.3036	1.8581	QuaF		2.0885	-0.000402						1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

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								
Indan	+++++ 3.4577	2.7231 3.2459	3.0727 2.8389	3.2487	3.1153	Ave		3.1003				8.1		20.0			
p-Diethylbenzene	+++++ 2.1207	1.8445 1.8692	1.8097 1.6944	2.0523	1.8786	Ave		1.8956				7.7		20.0			
n-Butylbenzene	+++++ 1.9252	1.6783 1.0654	1.7033 1.4661	1.8330	1.7226	Ave		1.6277				17.6		20.0			
1,2-Dichlorobenzene	+++++ 1.8051	1.7473 1.5087	1.6770 1.4965	1.8080	1.6788	Ave		1.6745			0.4000	7.7		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 4.0826	3.0735 4.0089	3.2853 3.4927	3.6844	3.6074	Ave		3.6050				10.1		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2287	0.1792 0.2336	0.2153 0.2319	0.2176	0.2021	Ave		0.2155			0.0500	9.0		20.0			
1,3,5-Trichlorobenzene	+++++ 1.6070	1.3328 1.5217	1.3025 1.3026	1.5156	1.4565	Ave		1.4341				8.5		20.0			
1,2,4-Trichlorobenzene	+++++ 1.5778	1.4028 1.2647	1.3717 1.3354	1.5312	1.4248	Ave		1.4155			0.2000	7.7		20.0			
Hexachlorobutadiene	+++++ 0.6413	0.4975 0.3181	0.4934 0.5607	0.5937	0.5533	Ave		0.5226				19.9		20.0			
Naphthalene	+++++ 4.0366	3.1510 3.7771	3.5148 3.3404	3.8474	3.5432	Ave		3.6015				8.5		20.0			
1,2,3-Trichlorobenzene	+++++ 1.5494	1.3774 1.2781	1.3887 1.2188	1.5277	1.4268	Ave		1.3953				8.7		20.0			
Dibromofluoromethane (Surr)	0.2745 0.2742	0.2734 0.2584	0.2712 0.2369	0.2743	0.2719	Ave		0.2668				5.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2962 0.2990	0.2941 0.2949	0.2920 0.3036	0.2937	0.2967	Ave		0.2963				1.2		20.0			
Toluene-d8 (Surr)	1.3162 1.2614	1.3223 1.2647	1.3218 1.2158	1.3010	1.2774	Ave		1.2851				2.9		20.0			
4-Bromofluorobenzene	0.3985 0.3855	0.4062 0.3830	0.4077 0.3972	0.3993	0.3969	Ave		0.3968				2.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-664203/2	TT0989.D
Level 2	STD05 460-664203/3	TT0990.D
Level 3	STD1 460-664203/4	TT0991.D
Level 4	STD5 460-664203/5	TT0992.D
Level 5	STD20 460-664203/6	TT0993.D
Level 6	STD50 460-664203/7	TT0994.D
Level 7	STD200 460-664203/8	TT0995.D
Level 8	STD500 460-664203/9	TT0996.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Monochloropentafluoroethane	FB	Ave	+++++ 16315	68 13031	259 34607	1671	6992	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorotrifluoroethene	FB	Ave	+++++ 79084	568 191636	1296 541610	7077	30459	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Difluoroethane	FB	Ave	+++++ 146824	1348 452351	3280 1109027	16271	55278	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorodifluoromethane	FB	Ave	+++++ 288820	2356 1054124	5773 2767005	32305	105837	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodifluoromethane	FB	Ave	+++++ 212498	1869 690248	4320 1728718	24668	84365	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	+++++ 171096	2062 640224	4630 1570247	20575	67740	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	991 150819	1886 520980	3737 1305189	16933	56598	0.250 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	+++++ 193573	2149 682652	4133 1659653	22075	71896	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromomethane	BUT	Ave	+++++ 128882	1642 477560	3382 1033916	16344	54839	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloroethane	BUT	Lin2	+++++ 88655	1586 322906	2826 717083	11213	37786	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorofluoromethane	FB	Ave	+++++ 328593	3354 1173659	7230 2641812	37956	130975	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Trichlorofluoromethane	FB	Ave	+++++ 308161	2639 1072971	5910 2609241	34066	117878	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Pentane	FB	Ave	+++++ 54038	620 184048	1187 437490	5838	20656	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Ethanol	TBAd 9	QuaF	+++++ 24046	148 81297	221 179742	2651	9475	+++++ 2000	20.0 8000	40.0 20000	200	800
Ethyl ether	FB	Ave	+++++ 85991	1129 310039	1946 680381	9873	35178	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Methyl-1,3-butadiene	FB	Ave	+++++ 120931	1212 422245	2853 1007143	14148	47529	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 162478	1944 510460	3979 1239572	17084	63415	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 242373	3096 775431	5847 1880589	26984	97244	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrolein	TBAd9	Ave	+++++ 35350	1078 60722	2068 107438	9349	14672	+++++ 100	2.00 200	4.00 400	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 180926	1358 465698	3167 1458140	19342	70942	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethene	FB	Ave	+++++ 163445	1723 513519	3740 1268645	19663	62524	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetone	BUT	Ave	+++++ 176618	1959 678736	4492 1462601	19028	66560	+++++ 250	2.50 1000	5.00 2500	25.0	100
Iodomethane	FB	Ave	+++++ 320647	3337 1106151	7412 2553993	37234	130708	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl alcohol	TBAd9	Ave	+++++ 73833	1076 281984	1258 610939	8878	30052	+++++ 500	5.00 2000	10.0 5000	50.0	200
Carbon disulfide	FB	Ave	+++++ 603932	6759 1954692	14390 4751547	72370	244553	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Allyl chloride	FB	Ave	+++++ 98705	1031 324935	2080 774932	10789	39818	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl acetate	FB	Ave	+++++ 154861	2112 630360	4267 1326706	17933	65851	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Cyclopentene	FB	Ave	+++++ 352145	4237 1160649	7778 2775209	41099	138823	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetonitrile	BUT	QuaF	+++++ 72717	572 272656	1246 657155	10922	35178	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methylene Chloride	FB	Ave	+++++ 177502	2470 610010	4481 1402508	21162	73760	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 120081	1676 442490	3349 971910	15139	53179	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methyl tert-butyl ether	FB	Ave	+++++ 390087	5276 1344120	9493 2949363	45765	166093	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 165401	2193 537376	3874 1281252	19053	67977	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrylonitrile	FB	Ave	2197 454246	5006 1597439	10315 3498984	51545	187188	2.00 500	5.00 2000	10.0 5000	50.0	200
Hexane	FB	Ave	+++++ 188898	1552 +++++	3710 +++++	18971	73101	+++++ 50.0	0.500 +++++	1.00 +++++	5.00	20.0
Isopropyl ether	FB	Ave	+++++ 382063	4439 1319280	8977 2865011	44534	160077	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,1-Dichloroethane	FB	Ave	+++++ 258933	2804 870122	6040 2039729	30962	108705	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl acetate	BUT	Ave	+++++ 58252	521 197386	1133 434494	6718	24877	+++++ 100	1.00 400	2.00 1000	10.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 142938	1477 479212	3205 1124131	16465	56681	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tert-butyl ethyl ether	FB	Ave	+++++ 417244	4999 1435847	9279 3167491	47579	175794	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2-Dichloropropane	FB	Ave	+++++ 58311	672 182316	1373 487092	5909	23843	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 177127	2239 608668	4499 1390238	20690	72782	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Butanone (MEK)	BUT	Ave	+++++ 66078	748 250256	1885 578632	8325	29607	+++++ 250	2.50 1000	5.00 2500	25.0	100
Ethyl acetate	BUT	Lin2	+++++ 29744	642 106688	1063 247576	3800	13484	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Methyl acrylate	FB	Ave	+++++ 97078	1512 350956	2742 856402	11657	42498	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Propionitrile	TBAd9	Ave	+++++ 166512	1940 603306	3588 1407848	19431	69660	+++++ 500	5.00 2000	10.0 5000	50.0	200
Chlorobromomethane	FB	Ave	+++++ 91175	997 315894	2105 723880	10661	38724	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrahydrofuran	BUT	Ave	+++++ 32583	503 123014	657 272429	4005	14386	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Methacrylonitrile	FB	Ave	+++++ 513971	5623 1778083	12330 3741282	62075	222333	+++++ 500	5.00 2000	10.0 5000	50.0	200
Chloroform	FB	Ave	+++++ 261755	3275 858654	6916 1932374	31108	107905	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclohexane	FB	Ave	+++++ 251751	2441 581435	5438 2056224	28063	101230	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 248349	2765 746710	5923 2043752	29223	100447	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	+++++ 217342	2608 641207	4977 1935785	25108	88093	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloropropene	FB	Ave	+++++ 194211	2145 593659	4575 1640574	22866	78720	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isobutyl alcohol	TBAd9	Ave	+++++ 208773	2026 709133	3924 1735470	23461	87590	+++++ 1250	12.5 5000	25.0 12500	125	500
2,2,4-Trimethylpentane	FB	Lin2	+++++ 551655	3674 1722852	9101 4460348	50302	208635	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzene	CBNZd5	Ave	+++++ 545634	6381 1853869	13149 4404747	66463	226272	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Ave	+++++ 488695	4914 1627427	10074 3490370	51986	187054	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl acetate	FB	Ave	+++++ 65994	973 239035	1538 540614	7950	28311	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	+++++ 183578	2495 650911	4835 1535081	22424	76883	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Heptane	FB	Ave	+++++ 40057	281 60991	609 350935	3480	16554	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butanol	TBAd9	Ave	+++++ 80938	1185 310021	1903 767764	9669	32853	+++++ 1250	12.5 5000	25.0 12500	125	500
Trichloroethene	FB	Ave	+++++ 144158	1447 484936	3673 1312294	17157	59581	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methylcyclohexane	FB	Ave	+++++ 293911	2685 599534	5582 2536090	30892	112154	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	Ave	+++++ 22244	185 64653	404 197894	2455	8737	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloropropane	FB	Ave	+++++ 126276	1403 447468	2869 1097436	14475	52247	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl methacrylate	FB	Ave	+++++ 71397	915 258899	1538 633487	8065	31226	+++++ 100	1.00 400	2.00 1000	10.0	40.0
1,4-Dioxane	DXE	Ave	+++++ 30347	673 100346	1651 242096	3315	12228	+++++ 1000	25.0 4000	50.0 10000	100	400
Dibromomethane	FB	Ave	+++++ 86564	1174 311132	2102 738279	10629	36028	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Propyl acetate	FB	Ave	+++++ 132873	1234 473777	3771 1152055	15790	54557	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorobromomethane	FB	Ave	+++++ 180853	2219 677013	3990 1727160	20756	74666	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Nitropropane	FB	Ave	+++++ 62285	952 246851	1615 650123	7480	25651	+++++ 100	1.00 400	2.00 1000	10.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 77874	733 283753	1828 727337	8632	32675	+++++ 50.1	0.501 200	1.00 501	5.01	20.0
Epichlorohydrin	BUT	Ave	1446 237770	2687 908319	5308 2206026	26531	98858	5.00 1000	10.0 4000	20.0 10000	100	400
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 222845	2157 796961	4919 2065923	23529	91502	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 517513	4832 1956255	10946 4457598	56211	206773	+++++ 250	2.50 1000	5.00 2500	25.0	100
Toluene	CBNZ d5	Ave	+++++ 570011	6346 1796661	13571 4992660	65243	236402	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 203445	2237 735736	4627 1945238	22183	83735	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl methacrylate	CBNZ d5	Ave	+++++ 172210	1898 617363	3912 1522659	18243	68406	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 98172	1177 345926	2376 884245	11206	41366	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 146714	1624 403764	3312 1324609	16460	59527	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 195334	2153 694090	5017 1789552	22242	80251	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	+++++ 325136	3355 1167452	7265 2848982	35476	131596	+++++ 250	2.50 1000	5.00 2500	25.0	100
n-Butyl acetate	CBNZ d5	Ave	+++++ 157532	1941 563873	3662 1365691	17116	62557	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 140656	1511 505498	2968 1317111	15555	55622	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 123068	1304 441238	2750 1147315	14109	53190	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorobenzene	CBNZ d5	Ave	+++++ 390385	4116 1263367	8450 3509747	43946	161402	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZ d5	Ave	+++++ 212139	2432 599881	4916 1768607	23649	88048	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 159566	1636 542349	3475 1346782	17130	64960	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 267131	2761 752910	6239 2294551	30543	108662	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
o-Xylene	CBNZ d5	Ave	+++++ 279896	3070 847247	6172 2456088	31167	114179	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 117375	1351 404578	2431 926151	12049	45192	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Styrene	CBNZ d5	Ave	+++++ 428065	4707 1275021	9176 3431811	47042	177620	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromoform	CBNZ d5	Ave	+++++ 89781	974 332919	1925 897605	9571	37394	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 222151	2422 791880	4729 1918098	23786	86379	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 733757	7726 1886803	15953 6227852	79256	292825	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromobenzene	DCBd 4	Ave	+++++ 168423	1595 546323	4148 1537781	19445	70337	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 160390	1580 569450	3436 1414485	18243	67904	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd 4	Ave	+++++ 816547	8964 1967430	17579 6486667	92783	332653	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 48205	495 161953	1130 384905	6269	20340	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 40130	425 138411	1034 350352	4296	16376	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 564980	6040 1611134	13324 4591455	63279	234531	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 686917	7452 2195570	14772 5336646	78677	287640	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 618528	6287 1582339	13441 5086057	69385	256847	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 534790	6381 1467192	13395 4347657	63409	227203	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 216881	2162 746379	4298 1841805	24381	92033	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 503303	4951 1247387	10903 4652006	55219	199468	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 632440	7260 1691936	13782 5170868	72219	264231	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 784298	7775 1723411	16181 6529258	87535	310934	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 316011	3698 925880	7423 2672074	37818	137684	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 679404	7351 1504671	14468 5298919	77477	275751	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 310092	3535 907496	7667 2604282	36871	133354	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 645772	6697 2209333	15001 5186016	75047	272612	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzyl chloride	DCBd 4	QuaF	+++++ 356634	2863 1258665	5784 3219643	27390	153222	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Indan	DCBd 4	Ave	+++++ 608265	6109 2026181	13546 4843848	68256	256894	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 373060	4138 1166816	7978 2891044	43120	154911	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butylbenzene	DCBd 4	Ave	+++++ 338668	3765 665087	7509 2501497	38511	142051	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 317542	3920 941801	7393 2553375	37987	138438	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 718204	6895 2502491	14483 5959470	77410	297467	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 40234	402 145833	949 395702	4571	16668	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1 Analy Batch No.: 664203

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2019 10:52 Calibration End Date: 12/21/2019 13:18 Calibration ID: 77902

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 282690	2990 949907	5742 2222602	31844	120106	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 277564	3147 789489	6047 2278546	32172	117490	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 112823	1116 198596	2175 956638	12474	45626	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Naphthalene	DCBd 4	Ave	+++++ 710102	7069 2357821	15495 5699558	80834	292174	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 272558	3090 797818	6122 2079662	32097	117654	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromofluoromethane (Surr)	FB	Ave	166745 123858	155991 111413	150778 106039	147270	138438	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	179959 135092	167761 127165	162331 135909	157711	151079	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	567094 433140	524971 401361	514797 428566	496882	479710	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	171689 132384	161287 121563	158768 140018	152511	149063	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 21-Dec-2019 10:52:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0103229-002
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:28:14 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: pakanatir Date: 21-Dec-2019 14:54:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.623	1.623	0.000	57	991	0.2500	0.2596	
* 31 TBA-d9 (IS)	66	2.842	2.842	0.000	99	48998	1000.0	1000.0	
35 Acrylonitrile	53	3.086	3.086	0.000	95	2197	2.00	1.98	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	98	234462	250.0	250.0	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	96	166745	50.0	51.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	179959	50.0	50.0	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	607546	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	88	31546	1000.0	1000.0	
80 Epichlorohydrin	57	6.183	6.183	0.000	57	1446	5.00	5.02	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	567094	50.0	51.2	
* 94 Chlorobenzene-d5	117	8.213	8.219	-0.006	85	430845	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	171689	50.0	50.2	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	96	242067	50.0	50.0	

Reagents:

8260MIX1COMB_00110	Amount Added:	0.00	Units: uL	
GASES Li_00346	Amount Added:	2.50	Units: uL	
ACROLEIN W_00100	Amount Added:	0.00	Units: uL	
524freon_00016	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00067	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00093	Amount Added:	0.00	Units: uL	
GAS Hi_00337	Amount Added:	0.00	Units: uL	
MIX I Hi_00119	Amount Added:	0.00	Units: uL	
Ethanol mix_00035	Amount Added:	0.00	Units: uL	
14DIOXINTER_00109	Amount Added:	0.00	Units: uL	
8FreonHi_00012	Amount Added:	0.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:28:15 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D

Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17

Lims ID: STD8

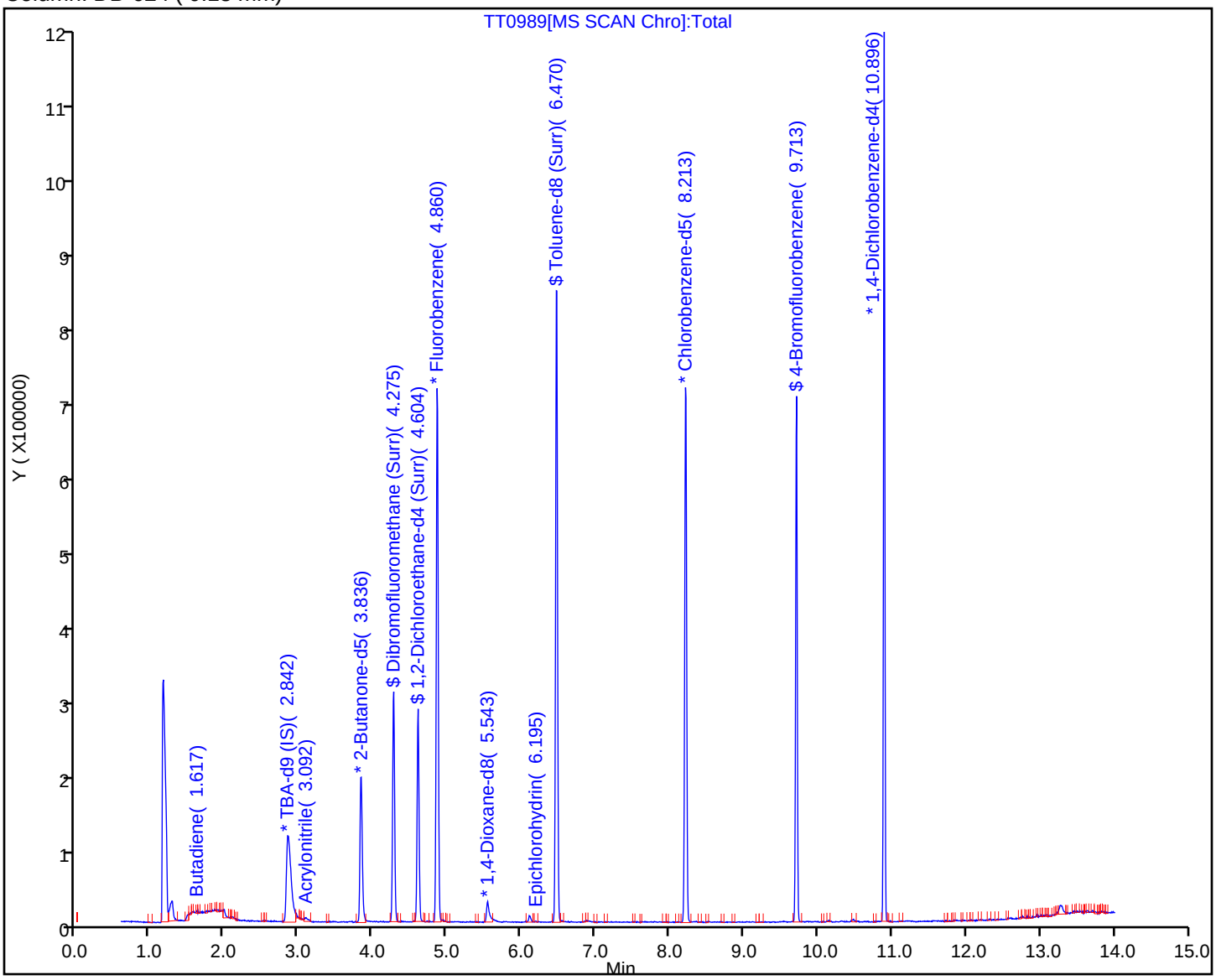
Client ID:

Operator ID: ALS Bottle#: 1 Worklist Smp#: 2

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



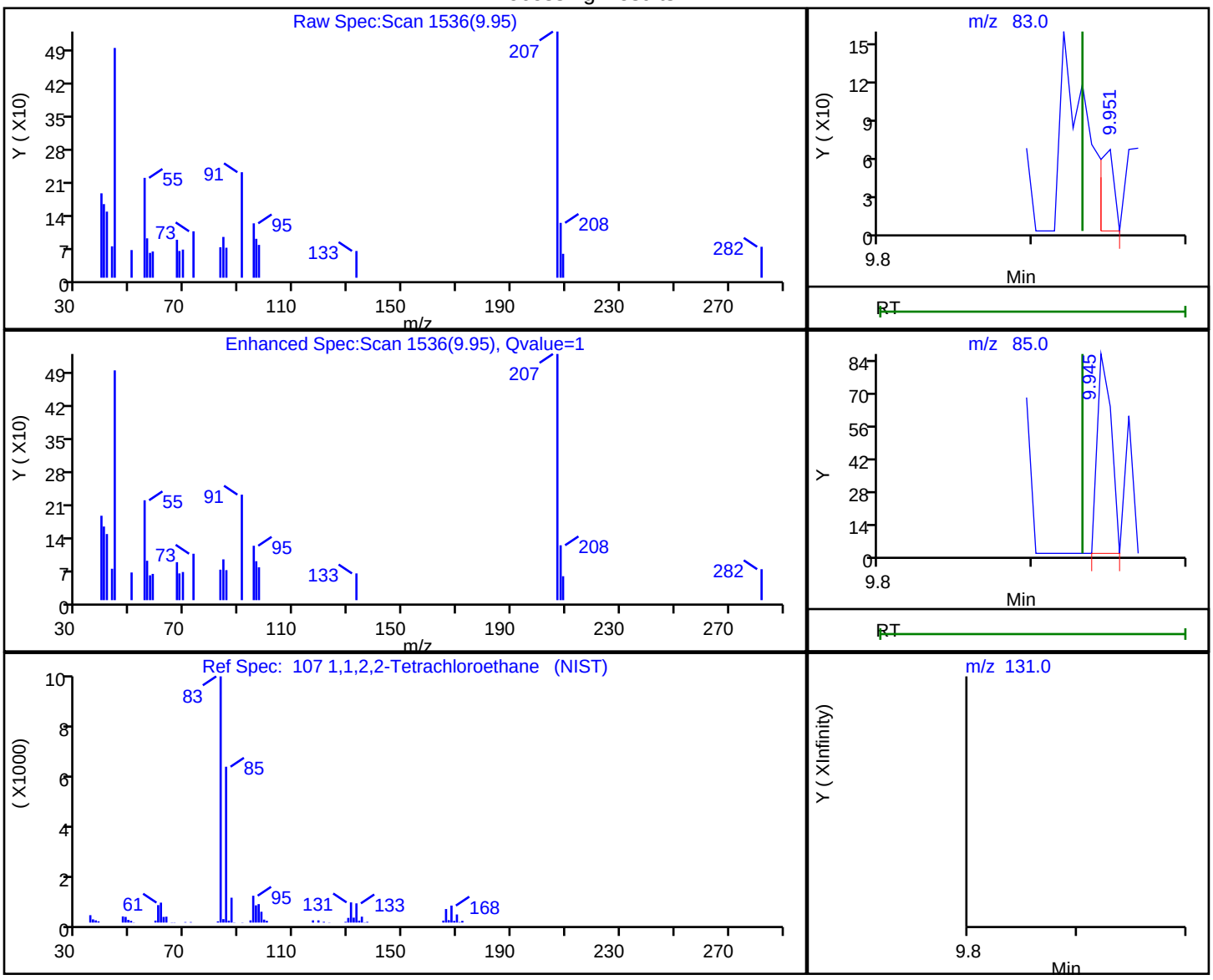
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

107 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.95	83.00	45	0.011163
9.94	85.00	55	
9.93	131.00	0	

Reviewer: pakanatir, 21-Dec-2019 14:50:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

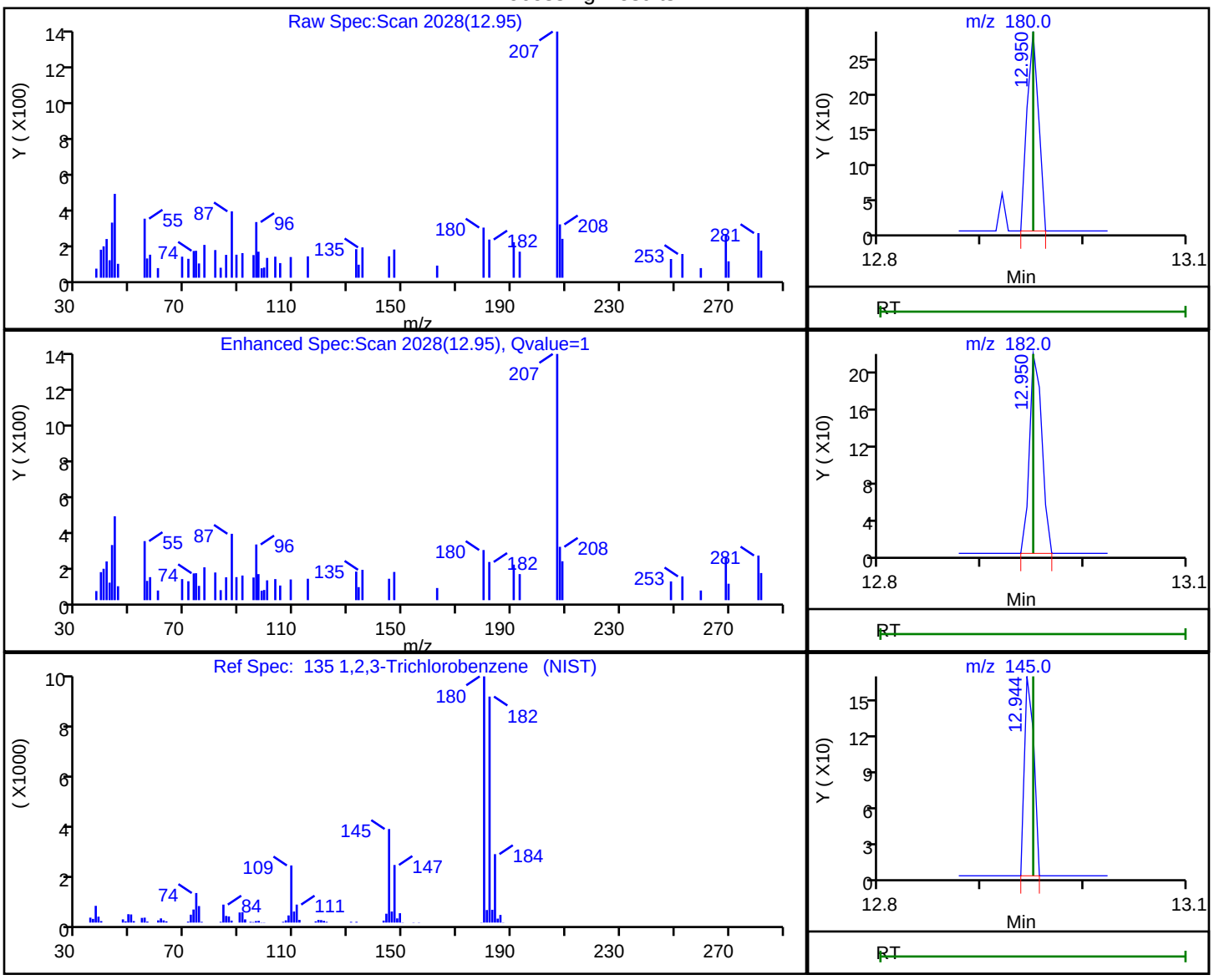
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

135 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results



RT	Mass	Response	Amount
12.95	180.00	219	0.032421
12.95	182.00	181	
12.94	145.00	104	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

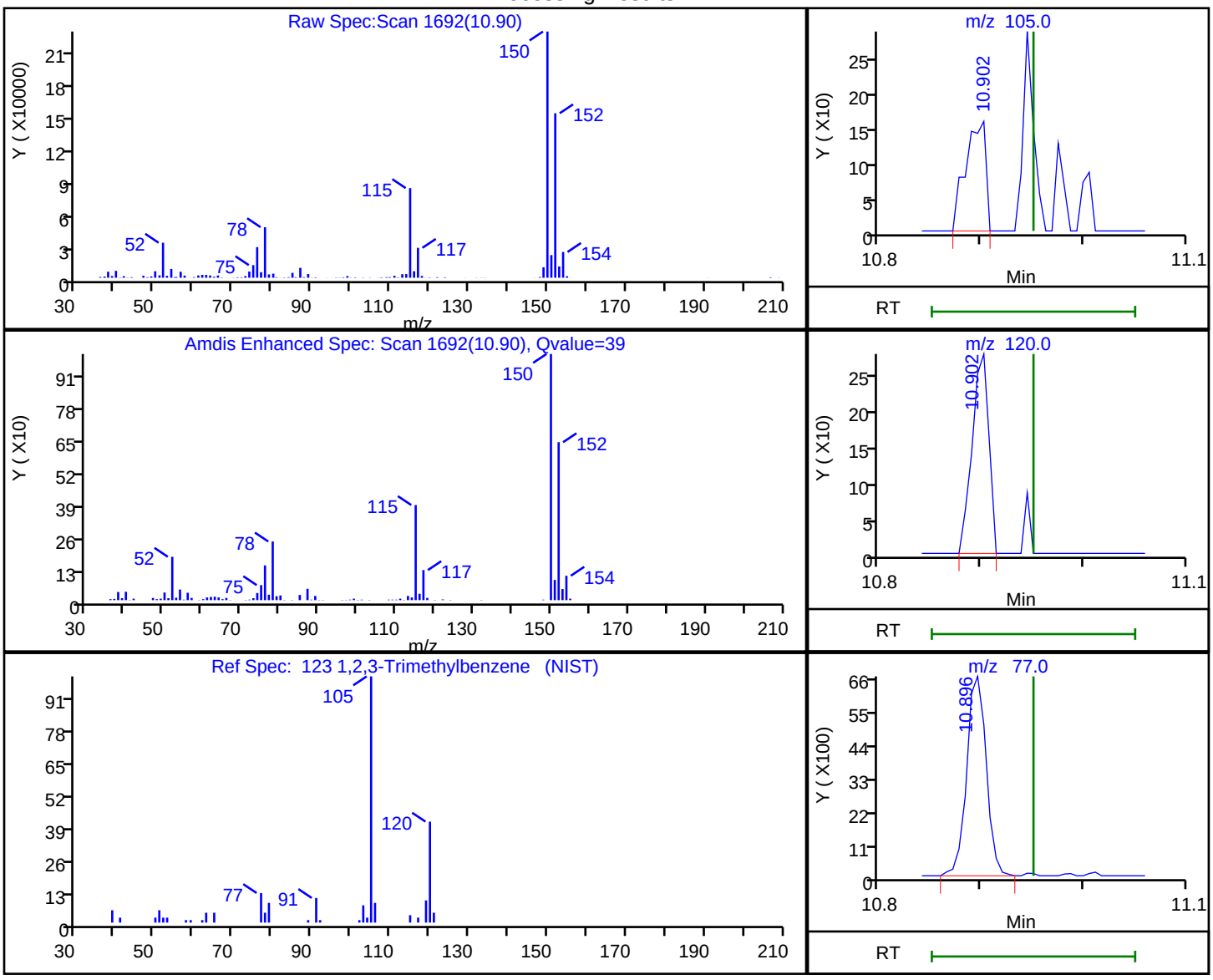
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.90	105.00	214	0.013158
10.90	120.00	315	
10.90	77.00	8980	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

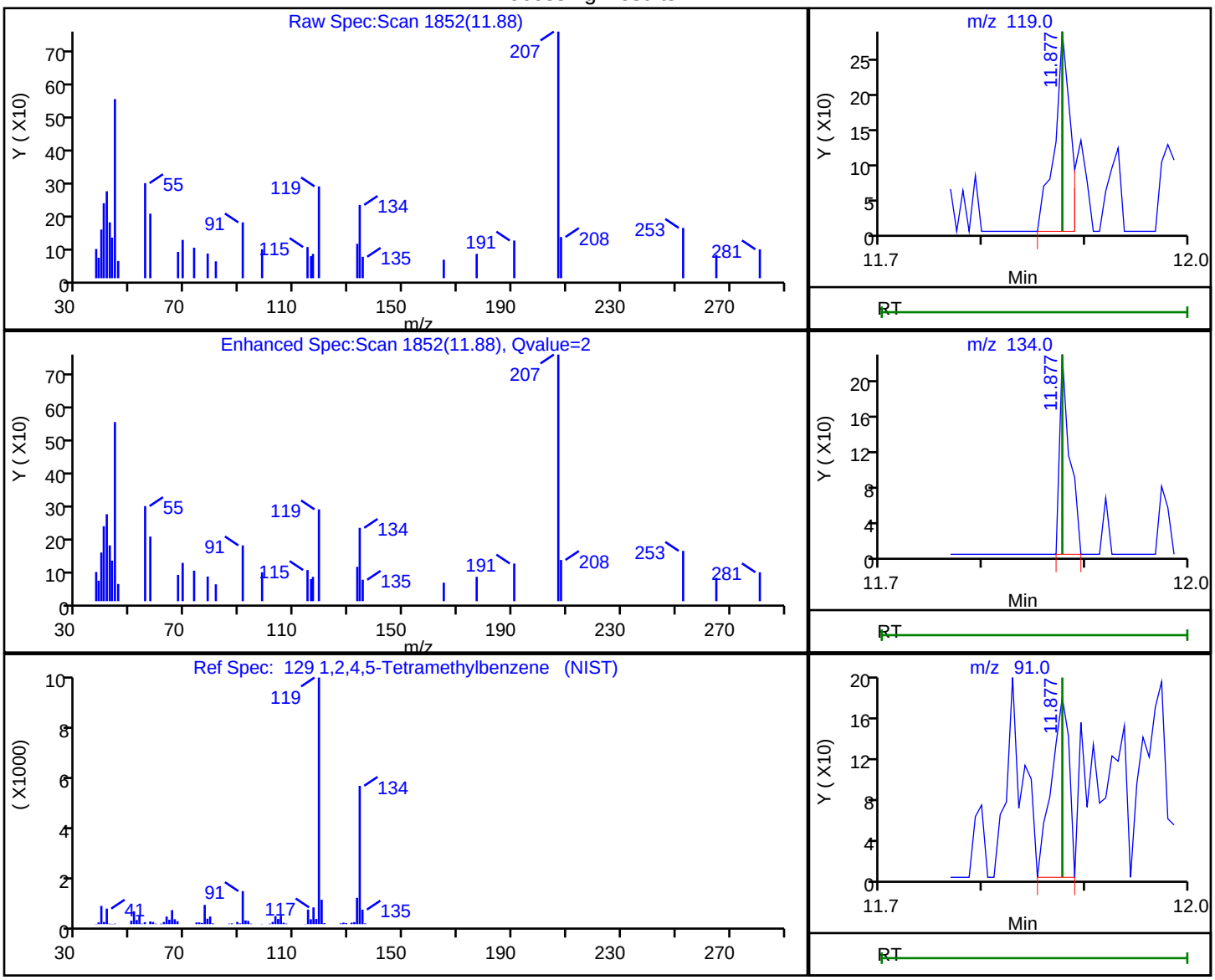
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

129 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
11.88	119.00	301	0.017247
11.88	134.00	155	
11.88	91.00	206	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

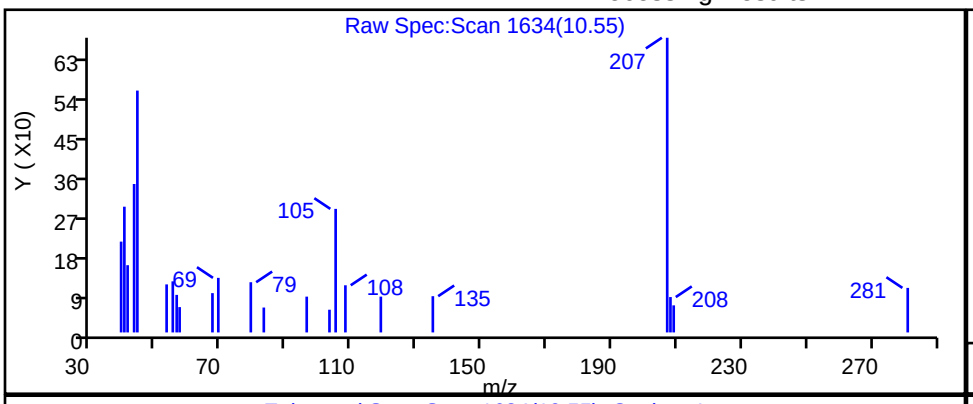
User Disabled Compound Report

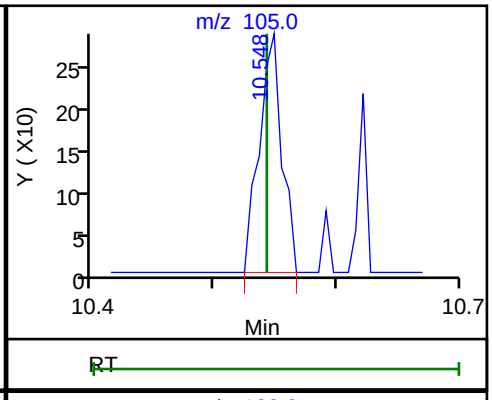
Eurofins TestAmerica, Edison

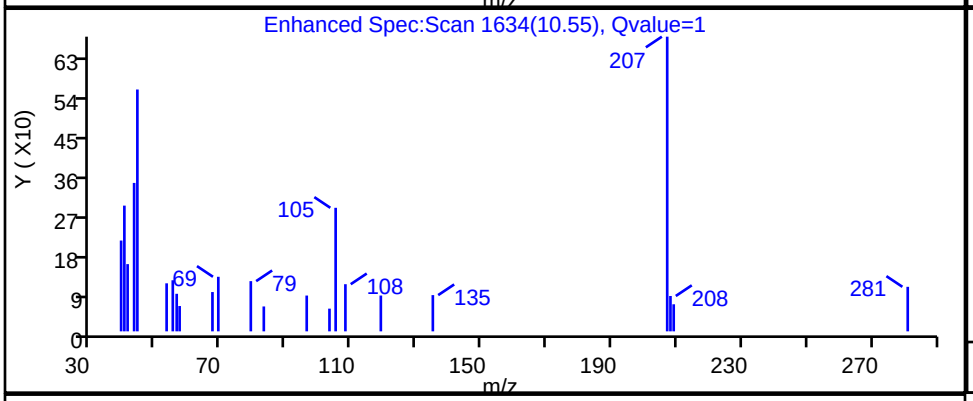
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

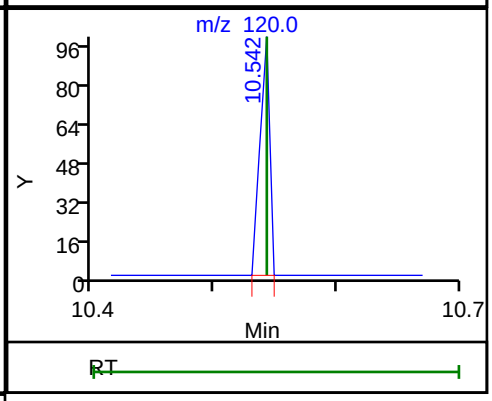
117 1,2,4-Trimethylbenzene, CAS: 95-63-6

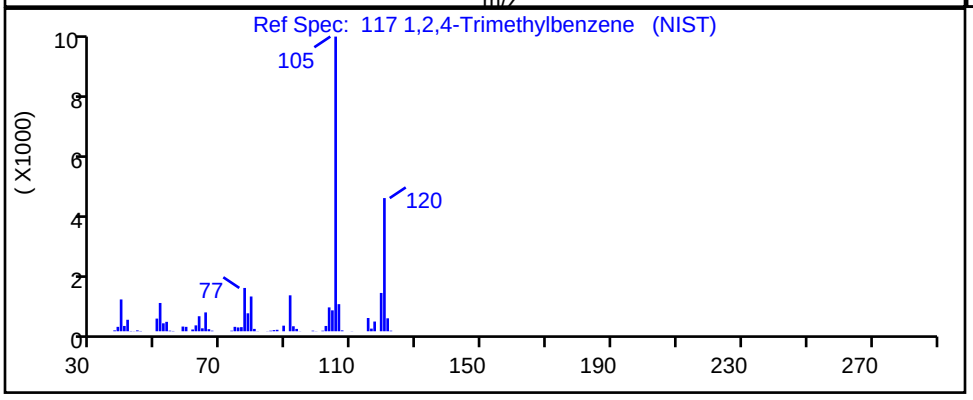
Processing Results











RT	Mass	Response	Amount
10.55	105.00	362	0.023429
10.54	120.00	56	

Reviewer: pakanatir, 21-Dec-2019 14:50:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

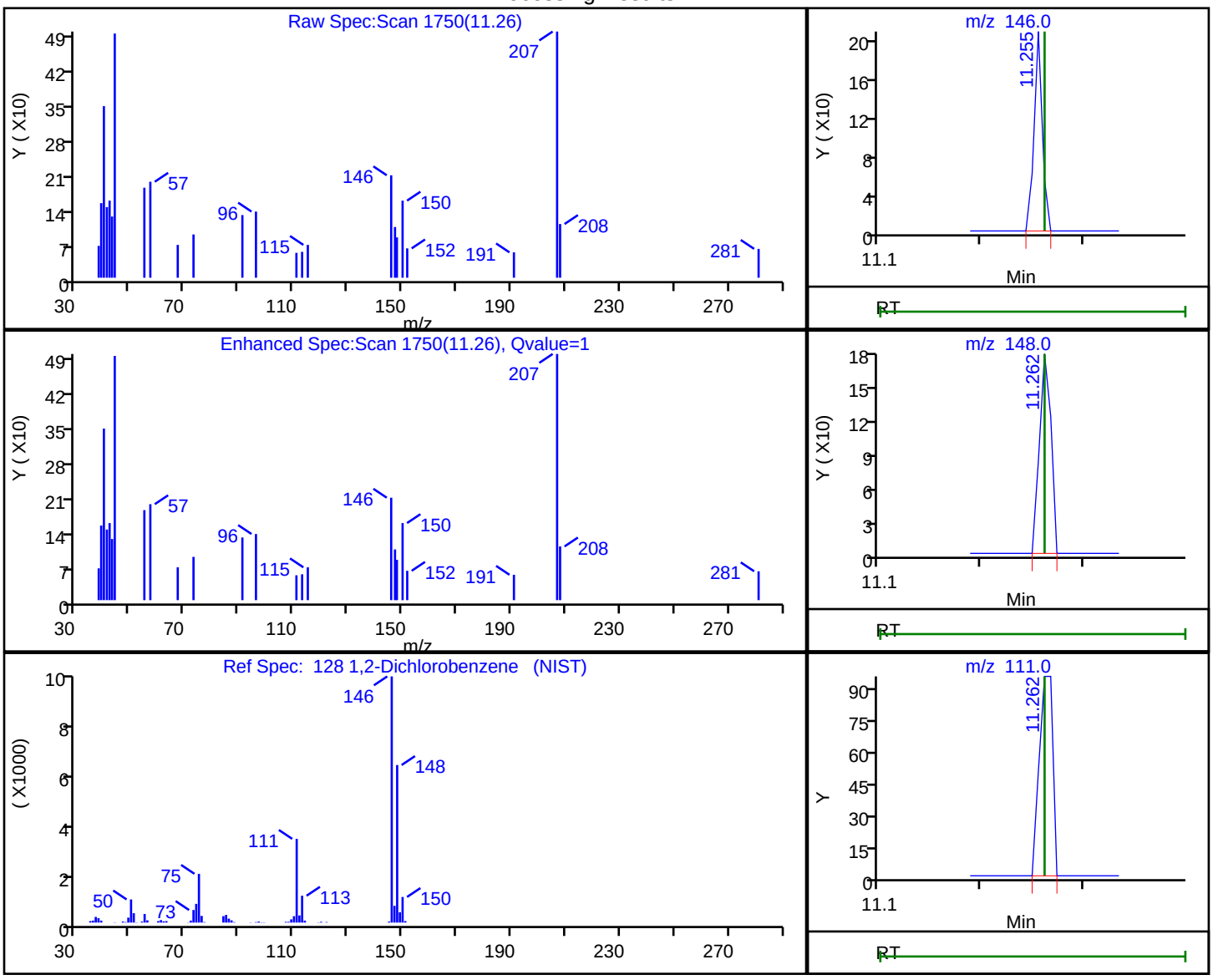
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

128 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
11.26	146.00	116	0.014309
11.26	148.00	138	
11.26	111.00	89	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

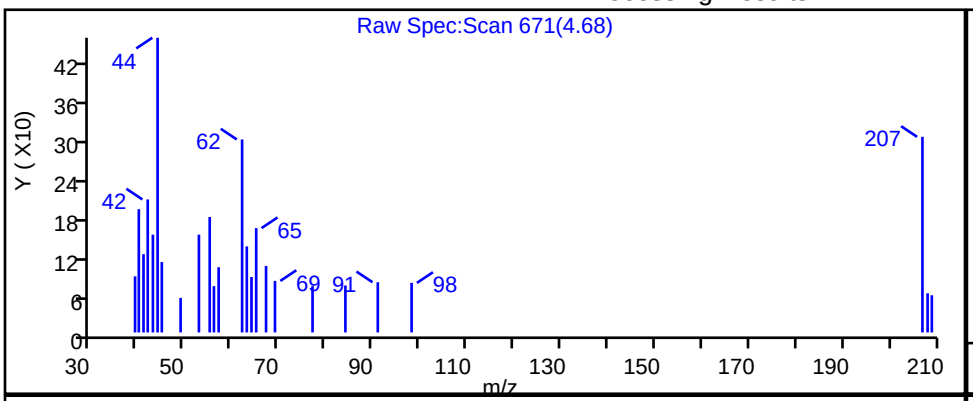
User Disabled Compound Report

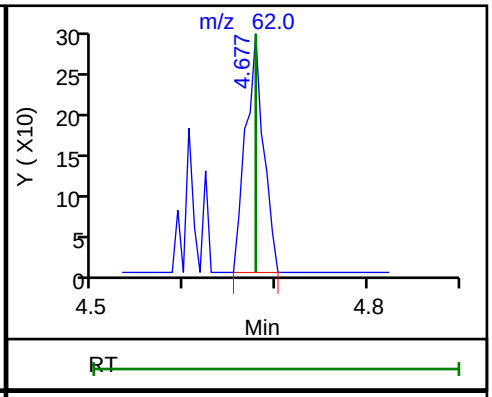
Eurofins TestAmerica, Edison

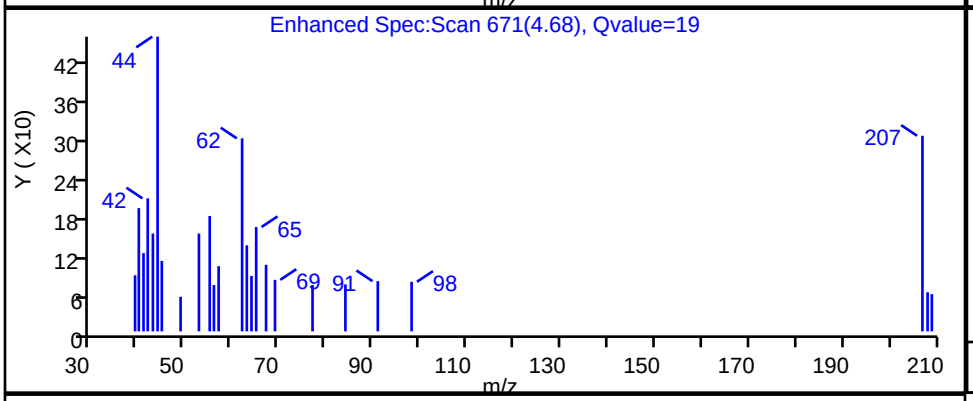
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

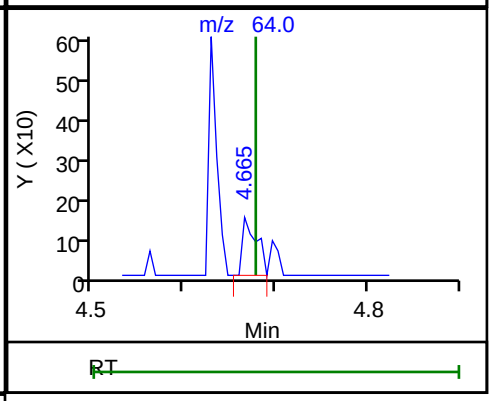
64 1,2-Dichloroethane, CAS: 107-06-2

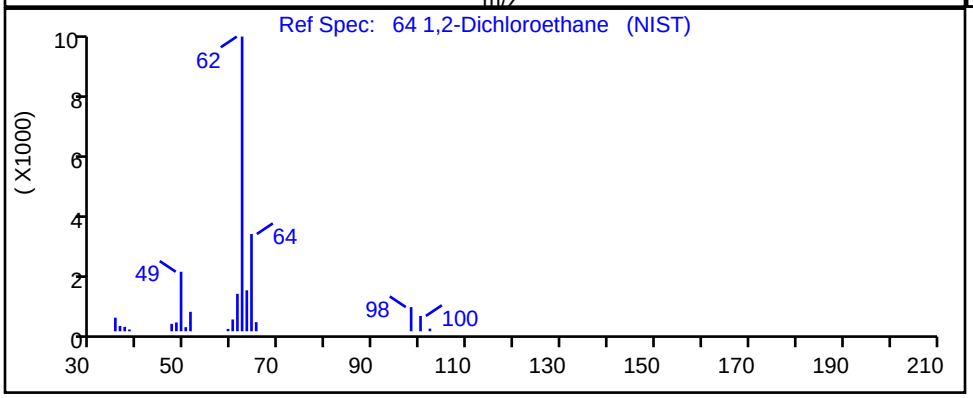
Processing Results











RT	Mass	Response	Amount
4.68	62.00	399	0.082269
4.67	64.00	158	

Reviewer: pakanatir, 21-Dec-2019 14:49:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

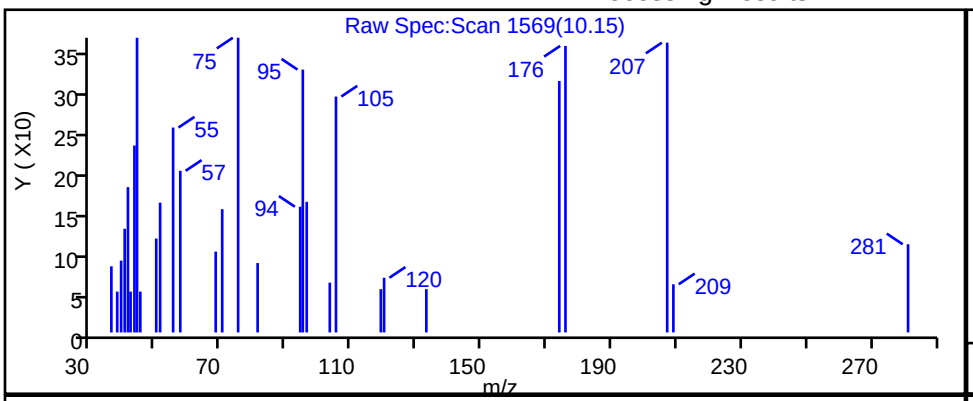
User Disabled Compound Report

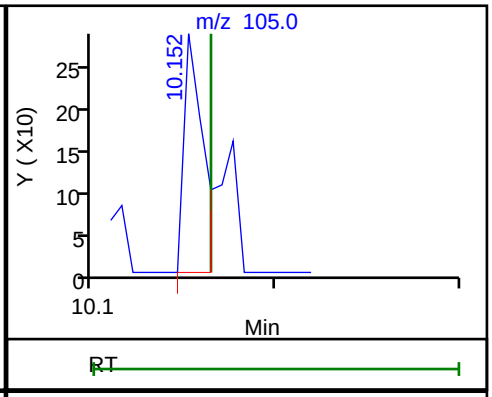
Eurofins TestAmerica, Edison

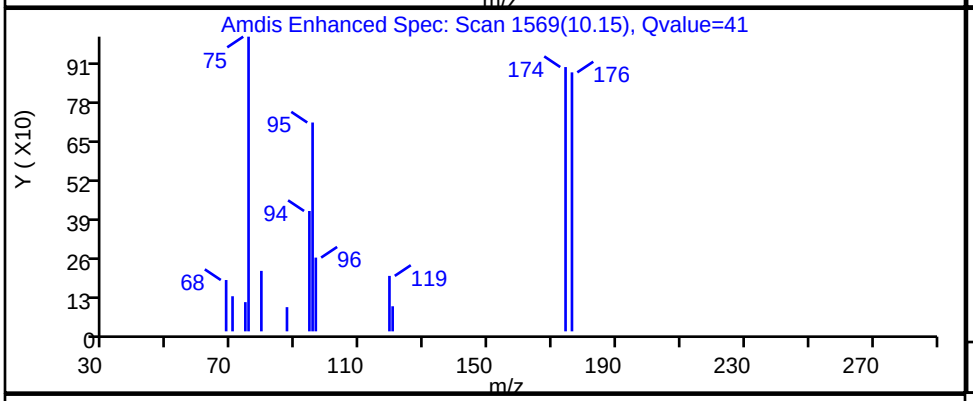
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D		
Injection Date:	21-Dec-2019 10:52:30	Instrument ID:	CVOAMS17
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

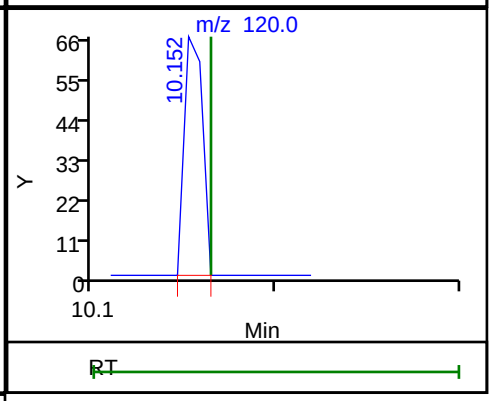
113 1,3,5-Trimethylbenzene, CAS: 108-67-8

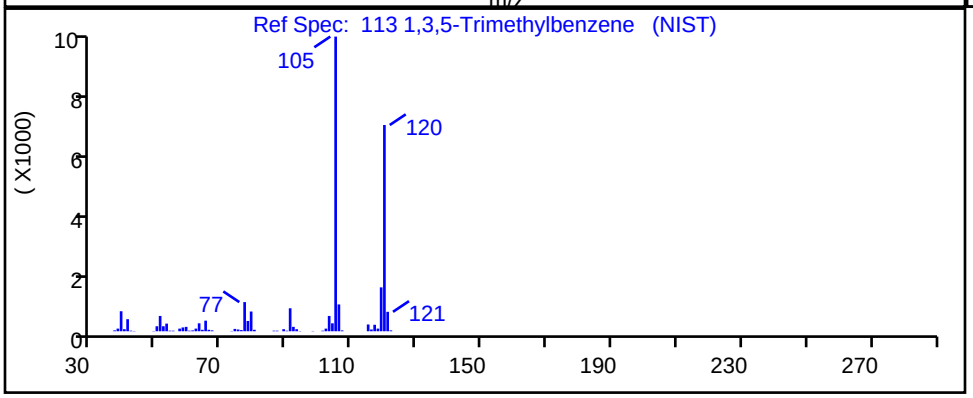
Processing Results











RT	Mass	Response	Amount
10.15	105.00	211	0.014323
10.15	120.00	46	

Reviewer: pakanatir, 21-Dec-2019 14:50:16

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

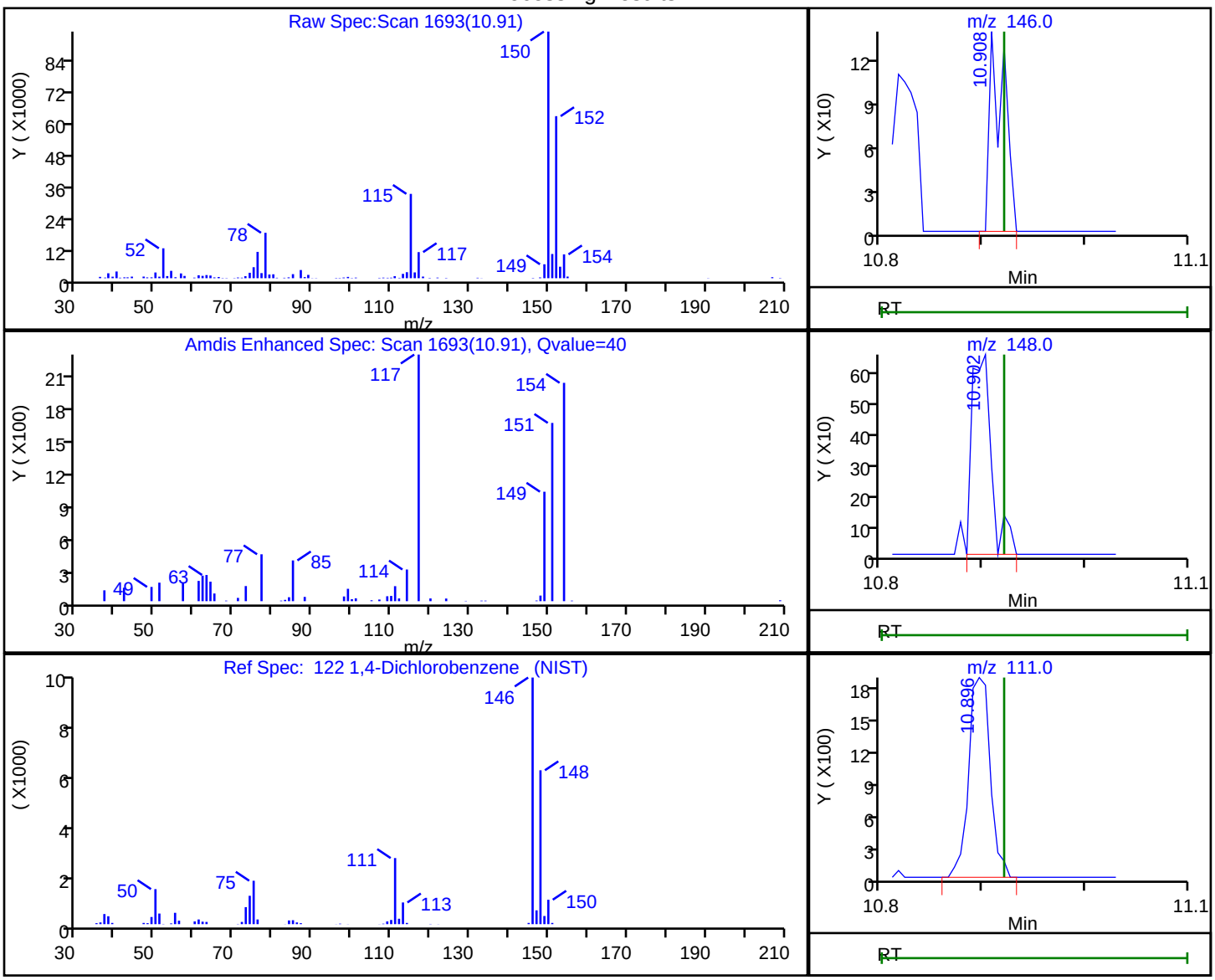
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

122 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.91	146.00	131	0.016572
10.90	148.00	869	
10.90	111.00	2743	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

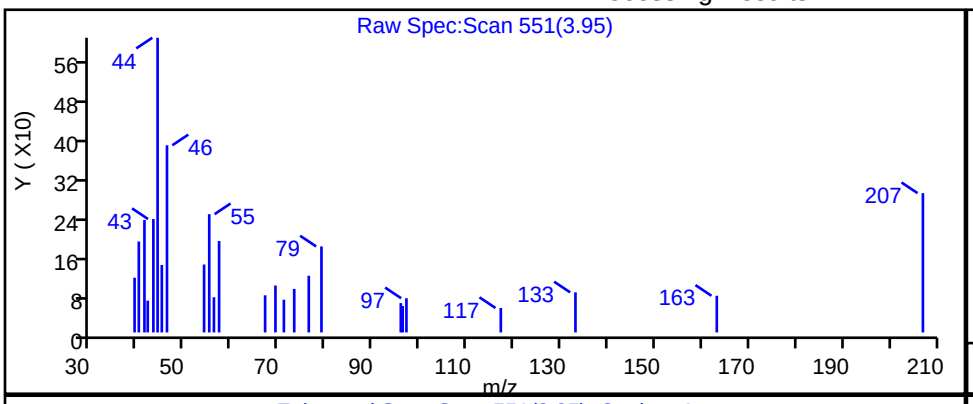
User Disabled Compound Report

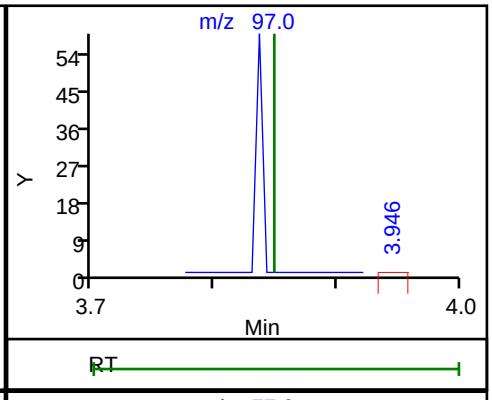
Eurofins TestAmerica, Edison

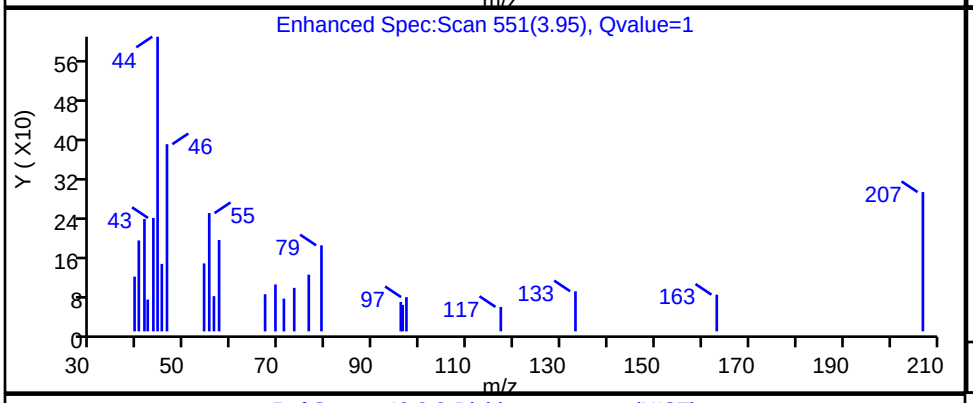
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

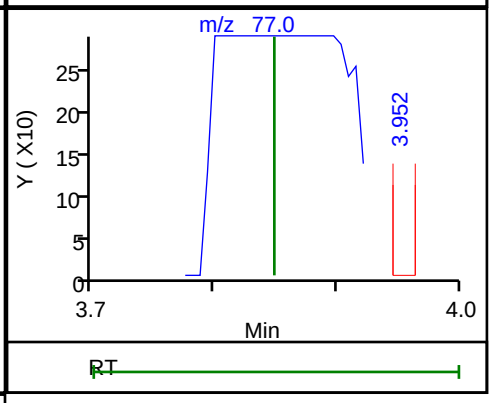
43 2,2-Dichloropropane, CAS: 594-20-7

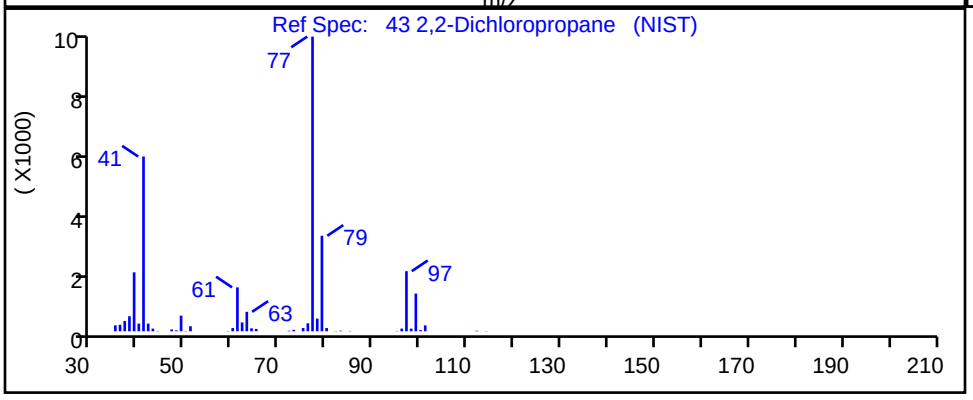
Processing Results











RT	Mass	Response	Amount
3.95	97.00	48	0.034055
3.95	77.00	84	

Reviewer: pakanatir, 21-Dec-2019 14:49:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

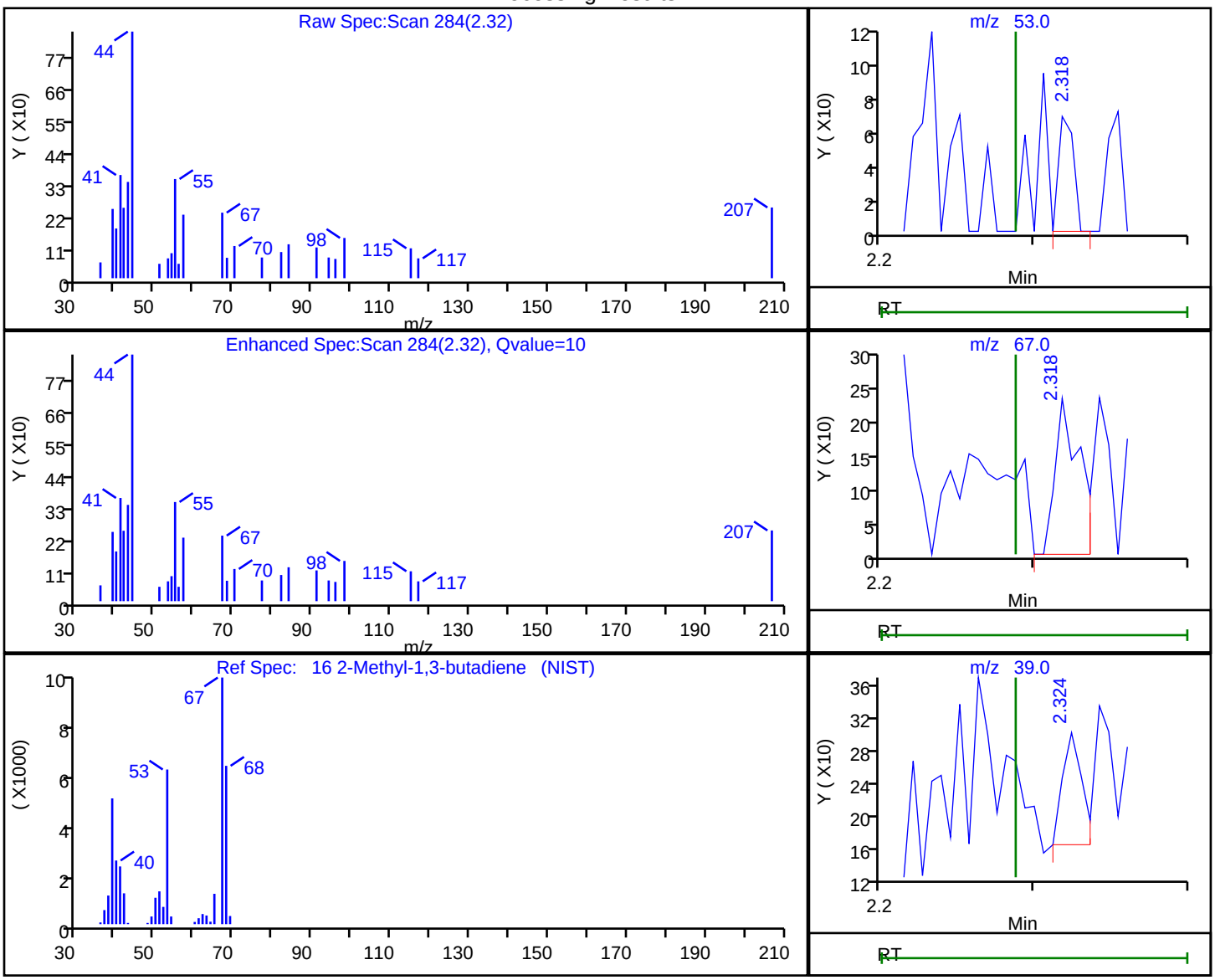
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
2.32	53.00	47	0.015895
2.32	67.00	256	
2.32	39.00	120	

Reviewer: pakanatir, 21-Dec-2019 14:49:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

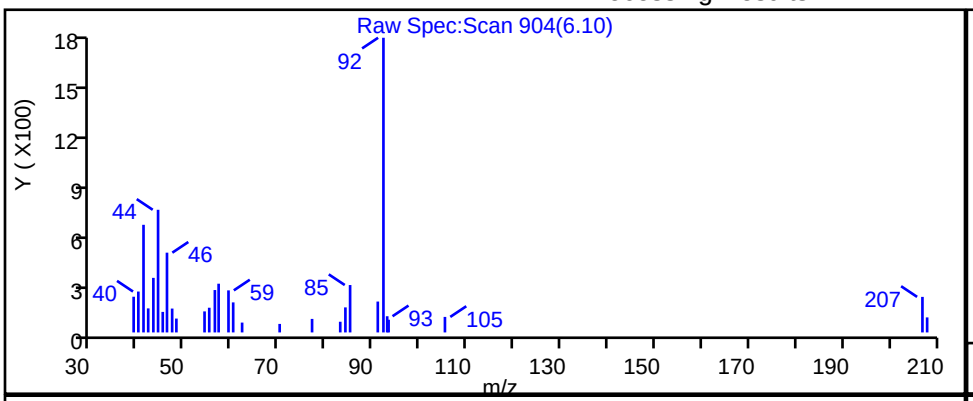
User Disabled Compound Report

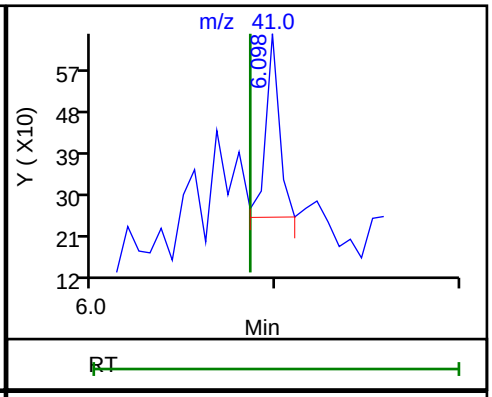
Eurofins TestAmerica, Edison

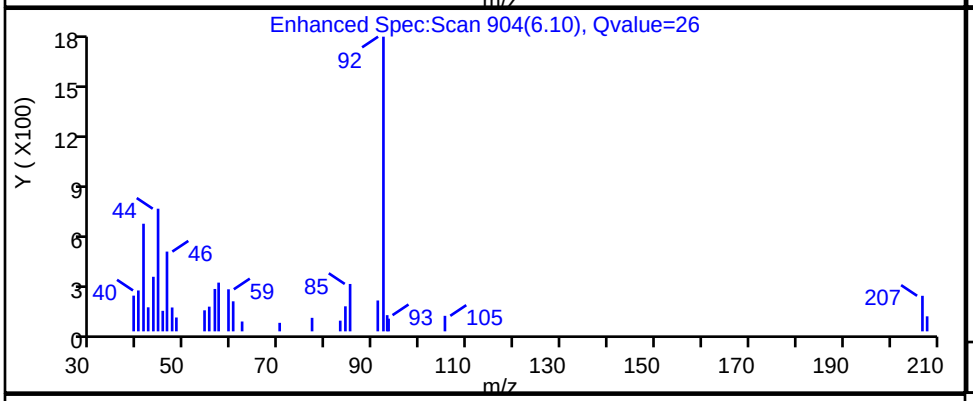
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

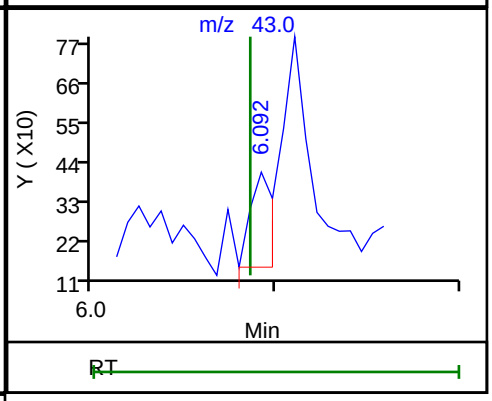
78 2-Nitropropane, CAS: 79-46-9

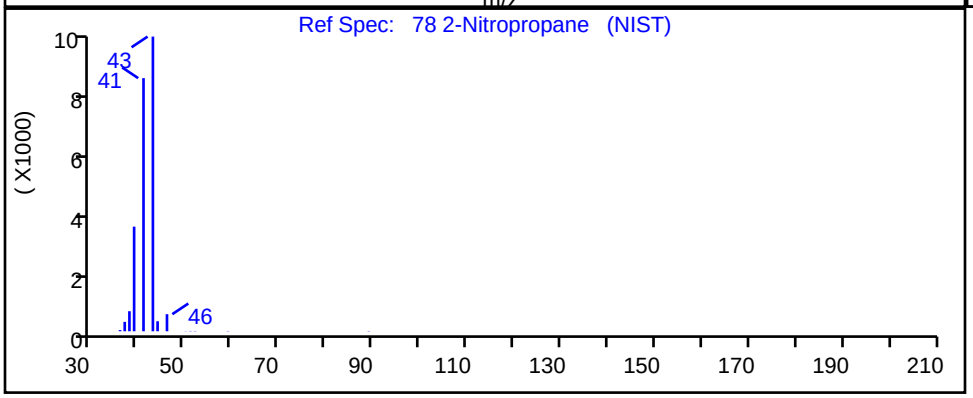
Processing Results











RT	Mass	Response	Amount
6.10	41.00	206	0.236495
6.09	43.00	229	

Reviewer: pakanatir, 21-Dec-2019 14:49:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

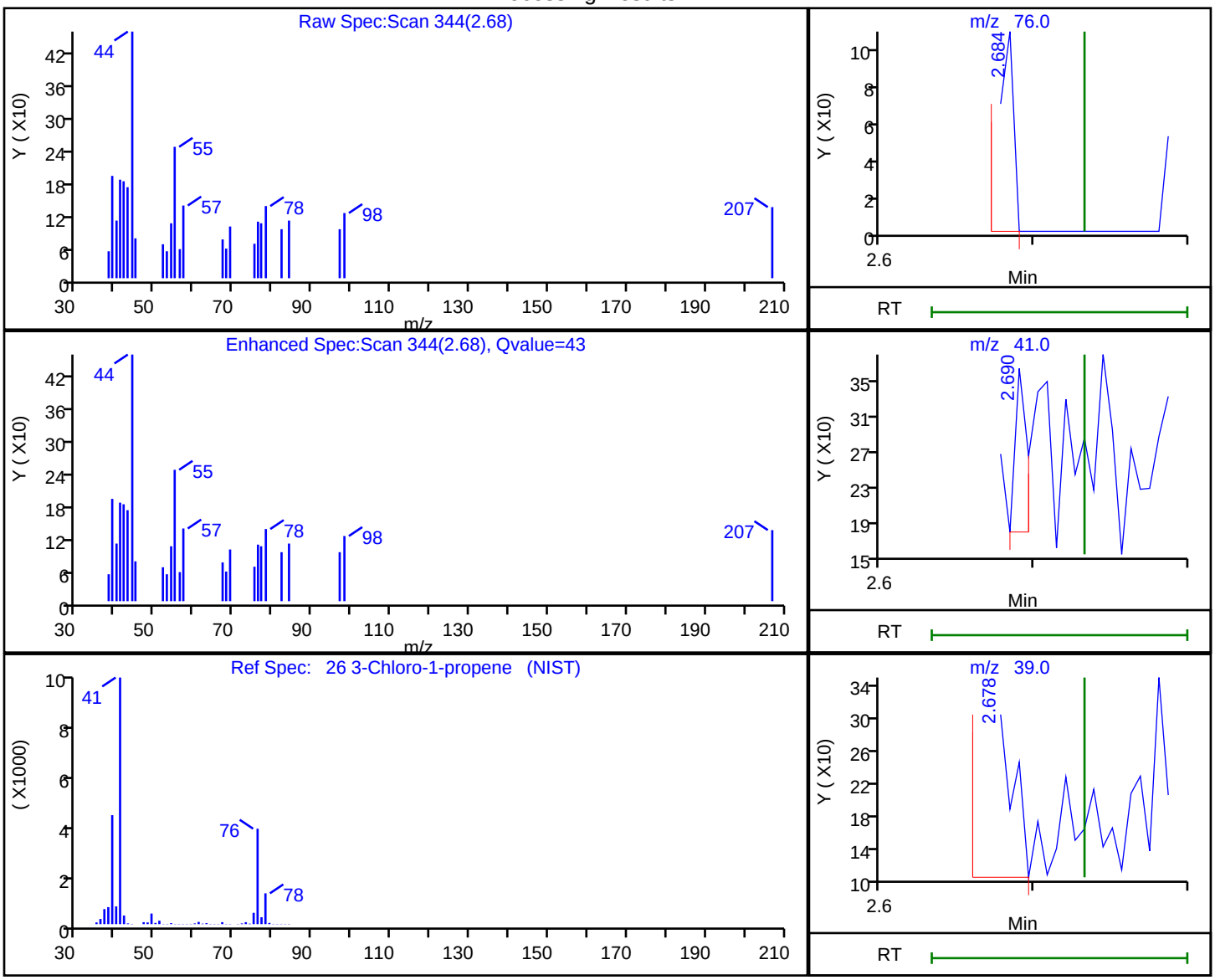
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
2.68	76.00	63	0.027000
2.69	41.00	94	
2.68	39.00	254	

Reviewer: pakanatir, 21-Dec-2019 14:49:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

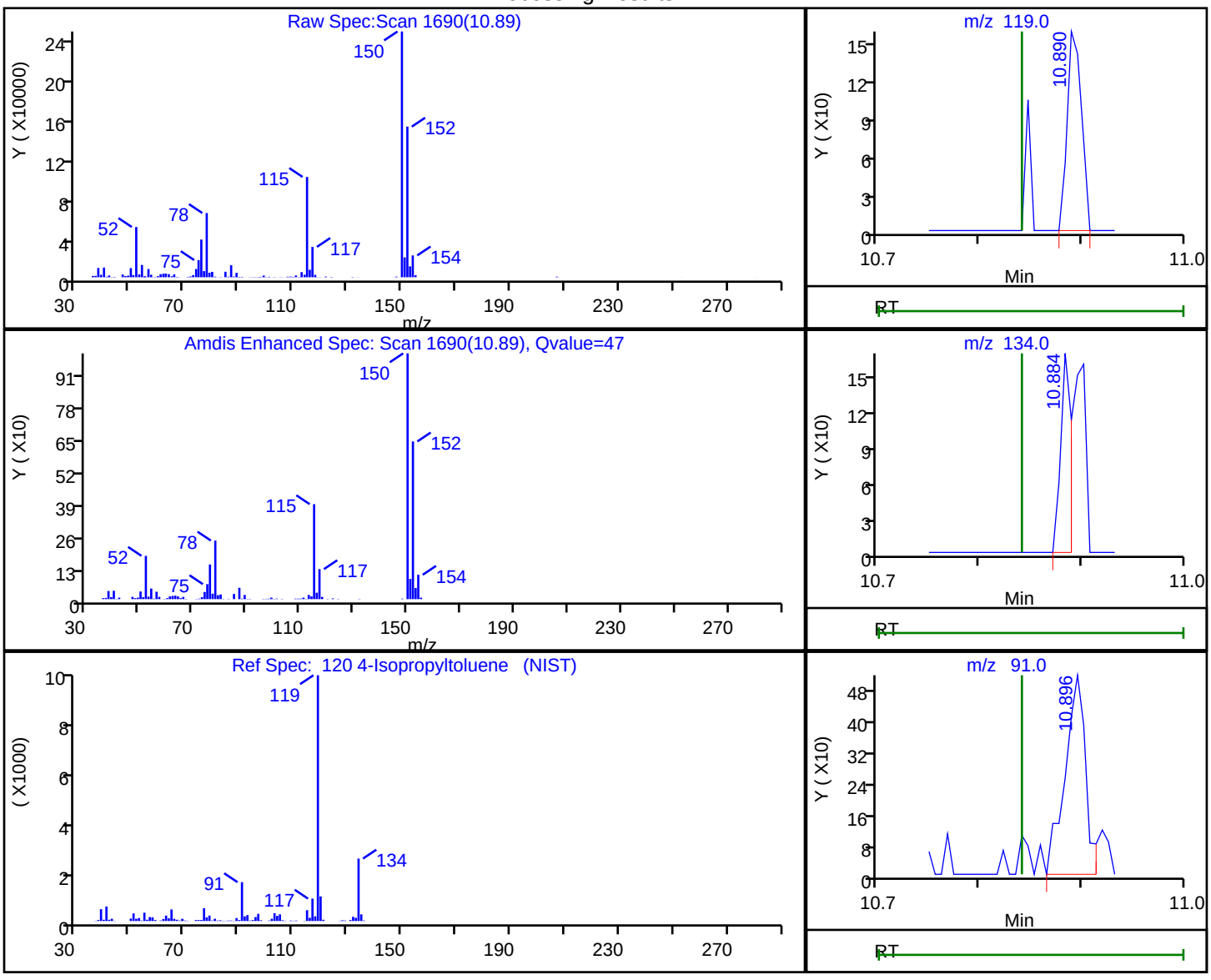
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

120 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.89	119.00	157	0.009883
10.88	134.00	122	
10.90	91.00	727	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

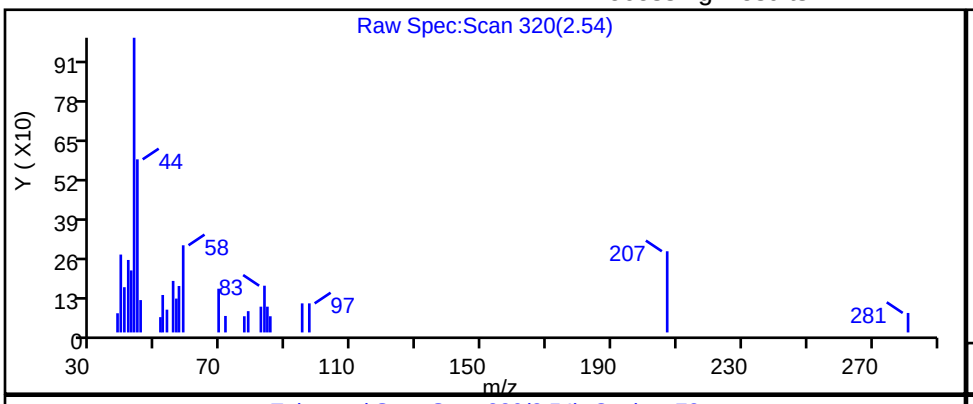
User Disabled Compound Report

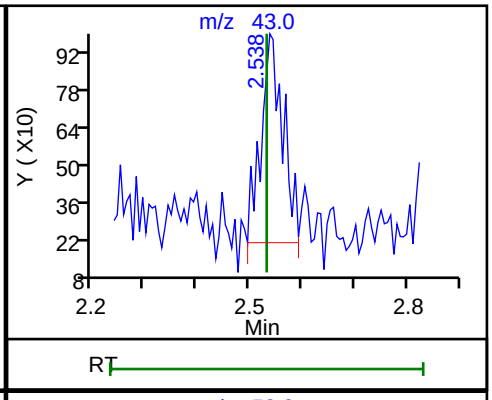
Eurofins TestAmerica, Edison

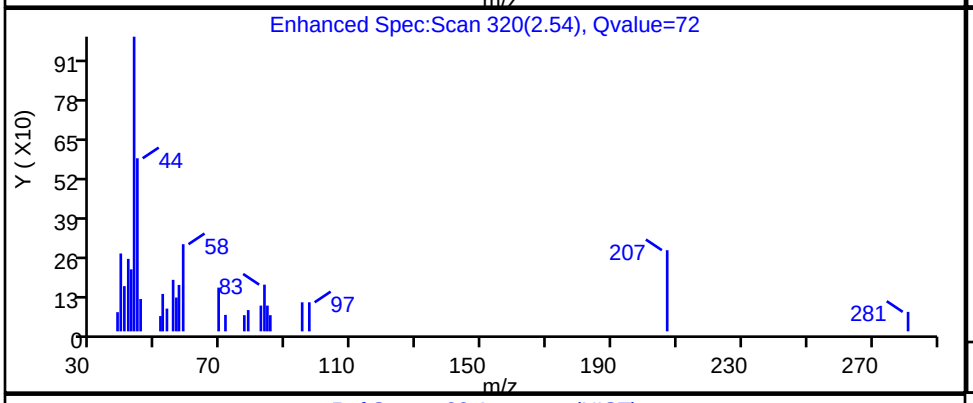
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

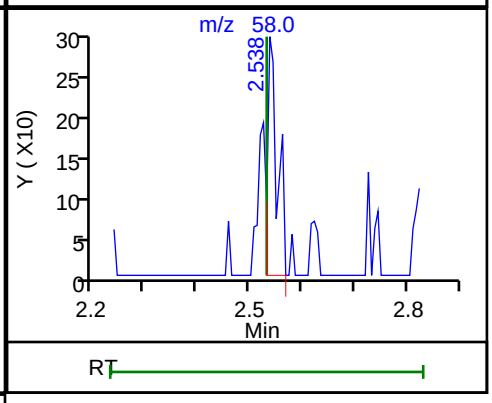
22 Acetone, CAS: 67-64-1

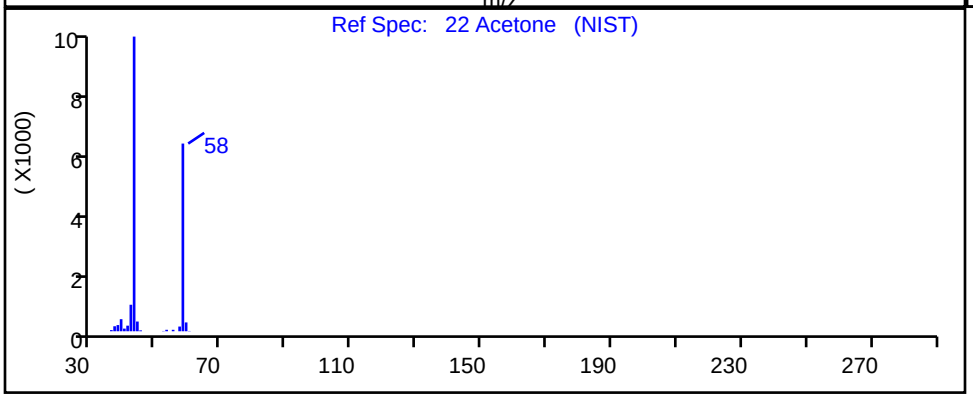
Processing Results











RT	Mass	Response	Amount
2.54	43.00	2288	2.717472
2.54	58.00	366	

Reviewer: pakanatir, 21-Dec-2019 14:49:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

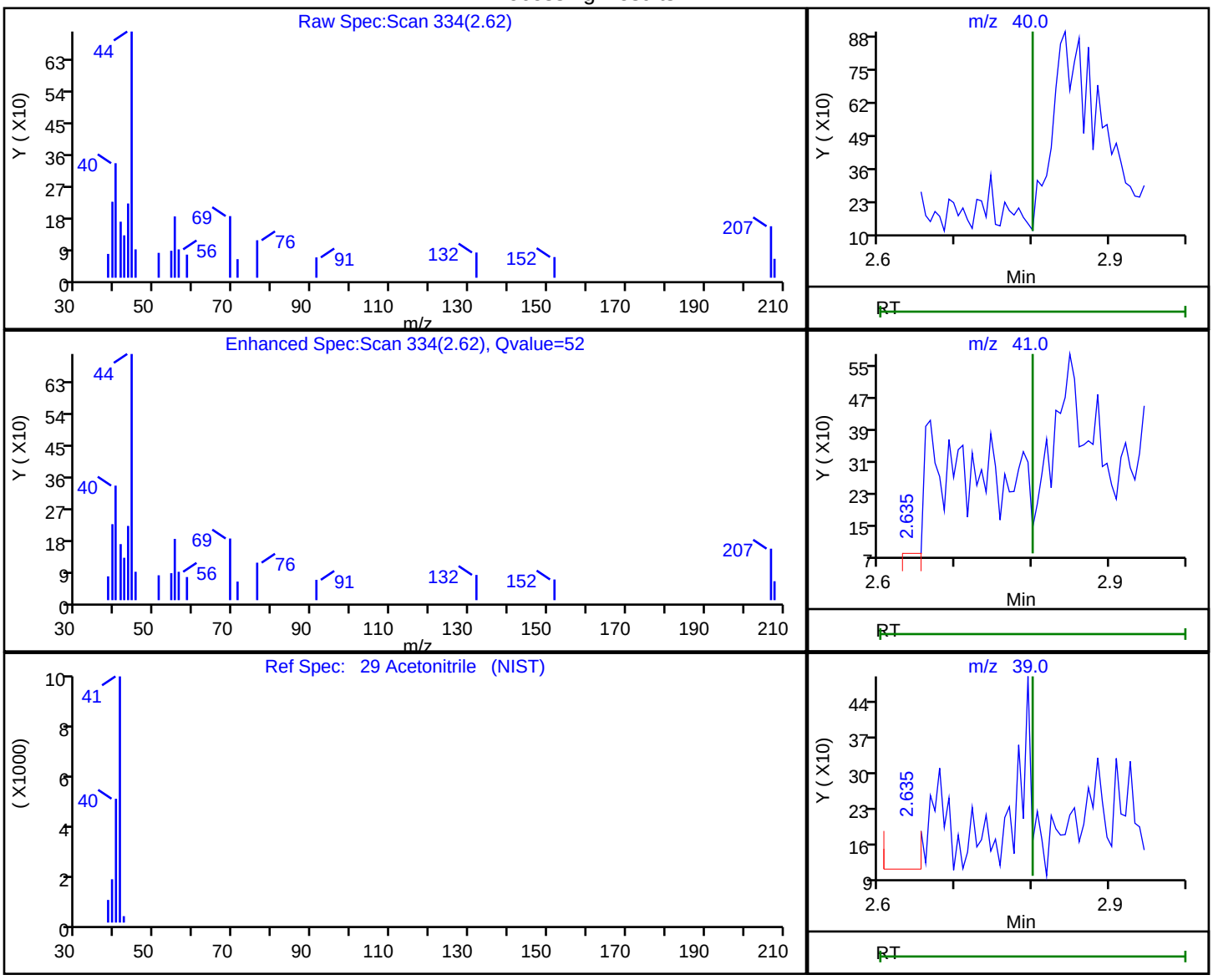
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.62	40.00	163	0.840379
2.64	41.00	221	
2.64	39.00	237	
2.62	38.00	82	

Reviewer: pakanatir, 21-Dec-2019 14:49:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

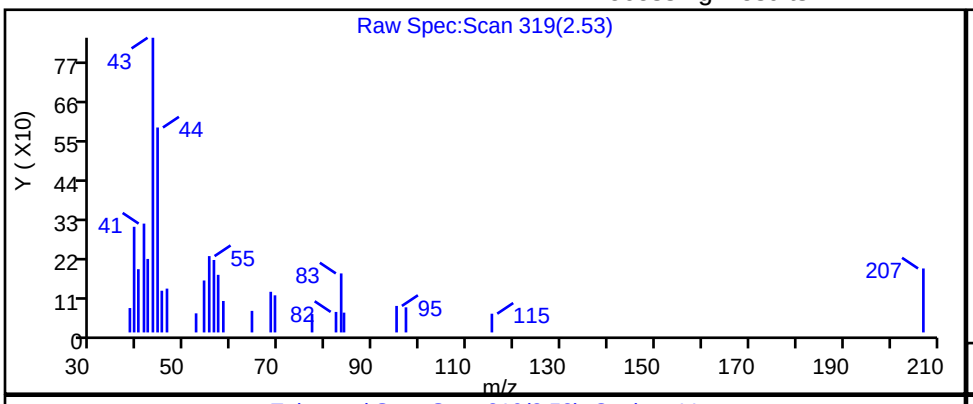
User Disabled Compound Report

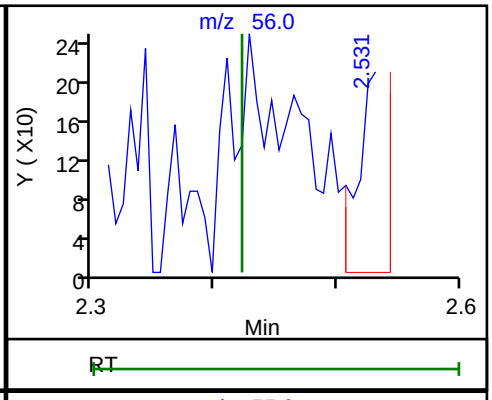
Eurofins TestAmerica, Edison

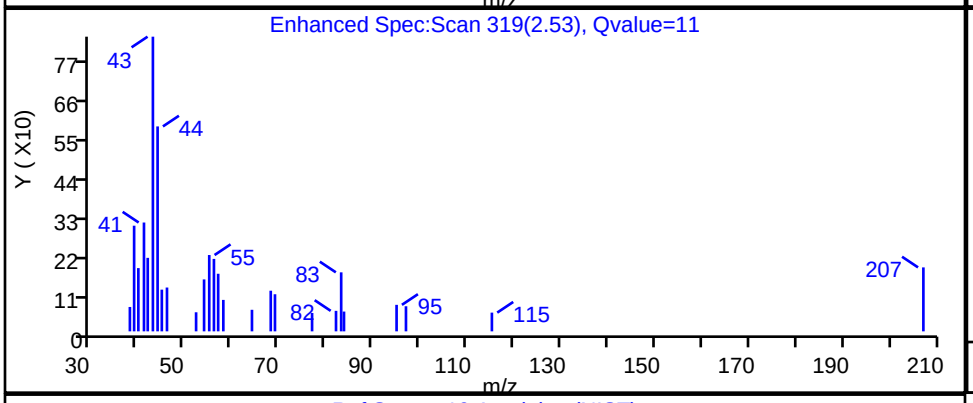
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D		
Injection Date:	21-Dec-2019 10:52:30	Instrument ID:	CVOAMS17
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

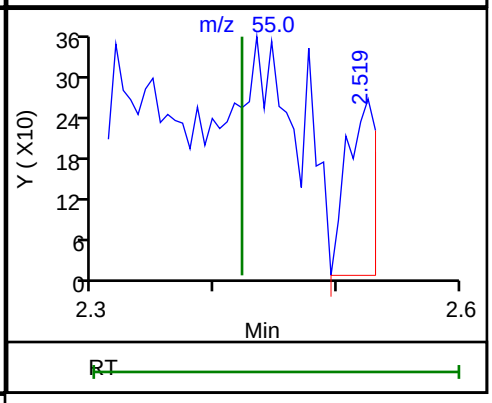
19 Acrolein, CAS: 107-02-8

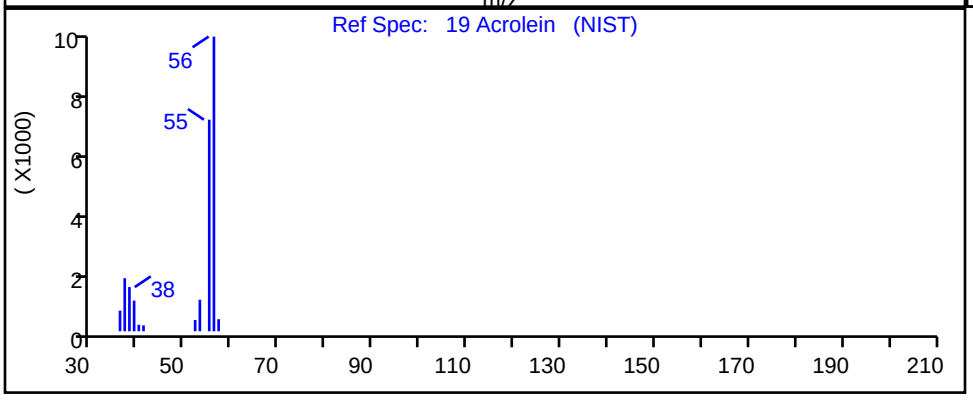
Processing Results











RT	Mass	Response	Amount
2.53	56.00	282	0.568996
2.52	55.00	429	

Reviewer: pakanatir, 21-Dec-2019 14:49:23

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

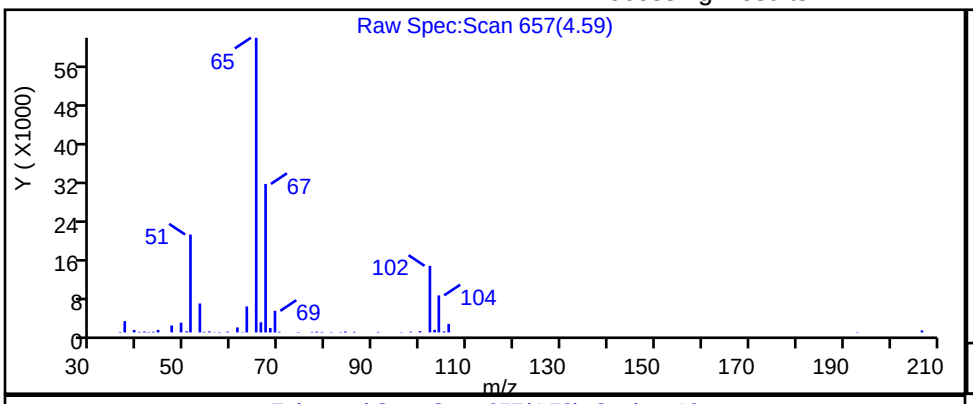
User Disabled Compound Report

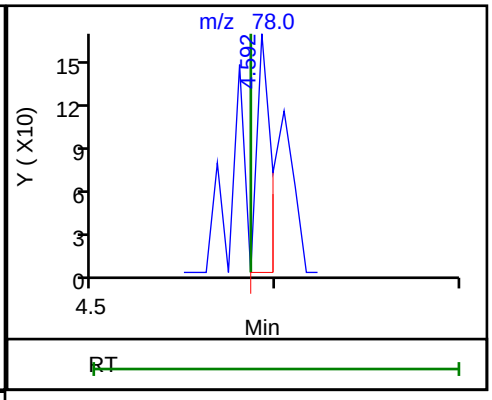
Eurofins TestAmerica, Edison

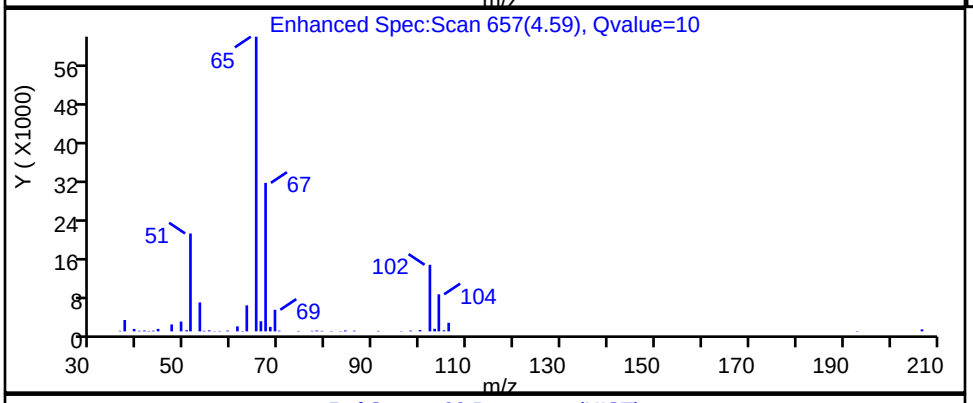
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

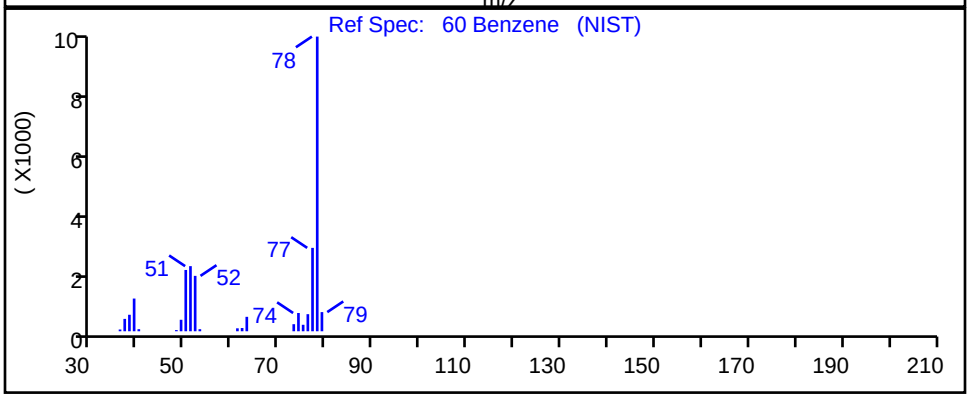
60 Benzene, CAS: 71-43-2

Processing Results









RT	Mass	Response	Amount
4.59	78.00	88	0.006594

Reviewer: pakanatir, 21-Dec-2019 14:49:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

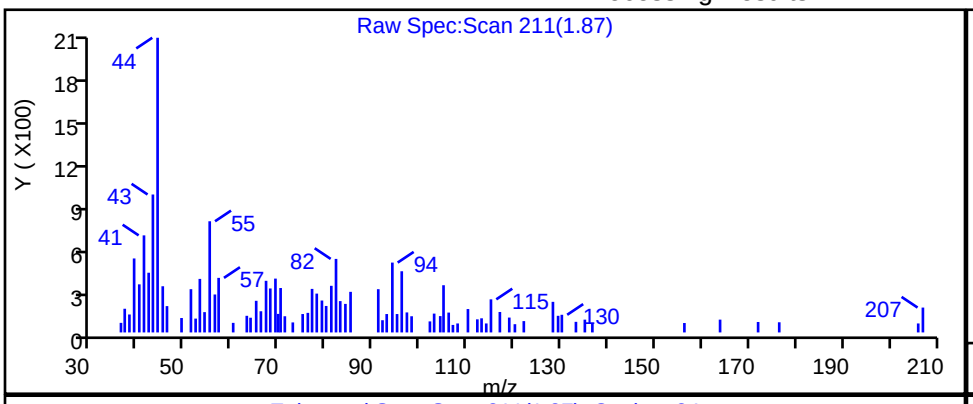
User Disabled Compound Report

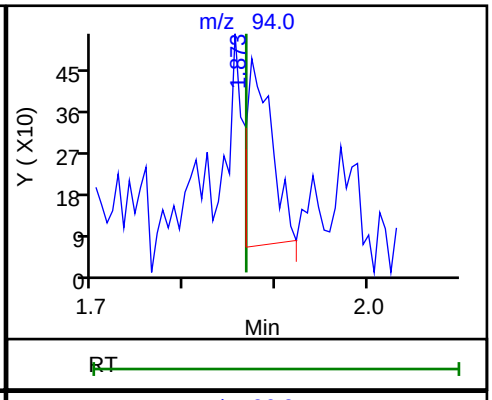
Eurofins TestAmerica, Edison

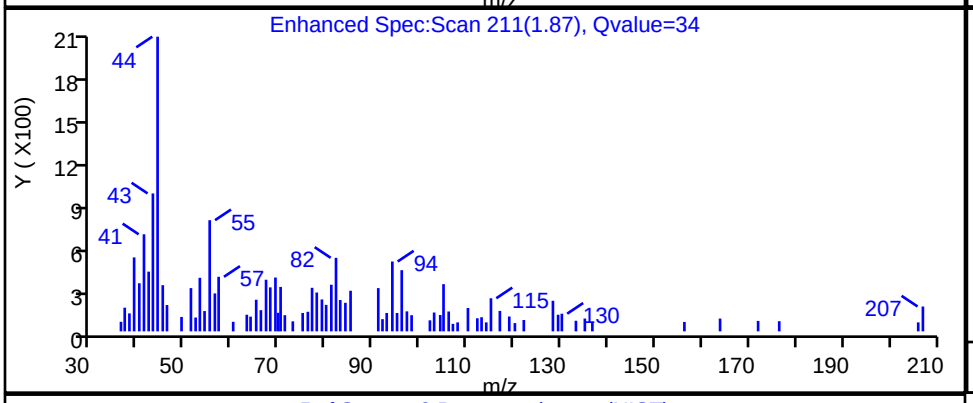
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

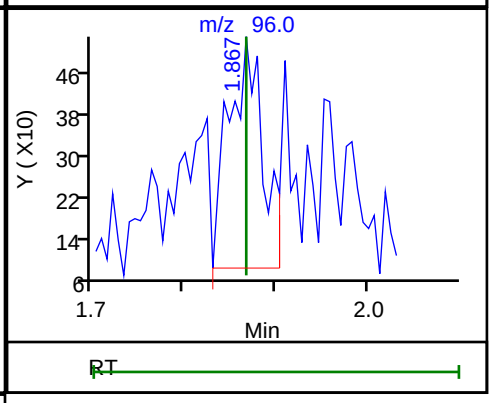
9 Bromomethane, CAS: 74-83-9

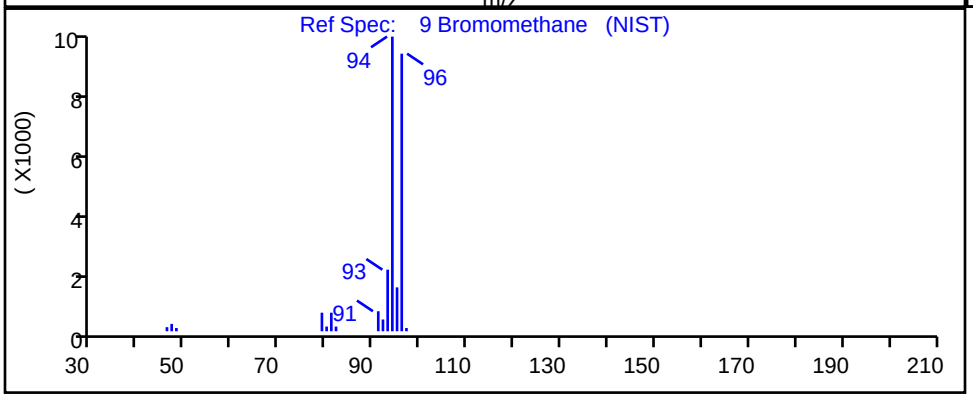
Processing Results











RT	Mass	Response	Amount
1.87	94.00	778	0.221717
1.87	96.00	1154	

Reviewer: pakanatir, 21-Dec-2019 14:49:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

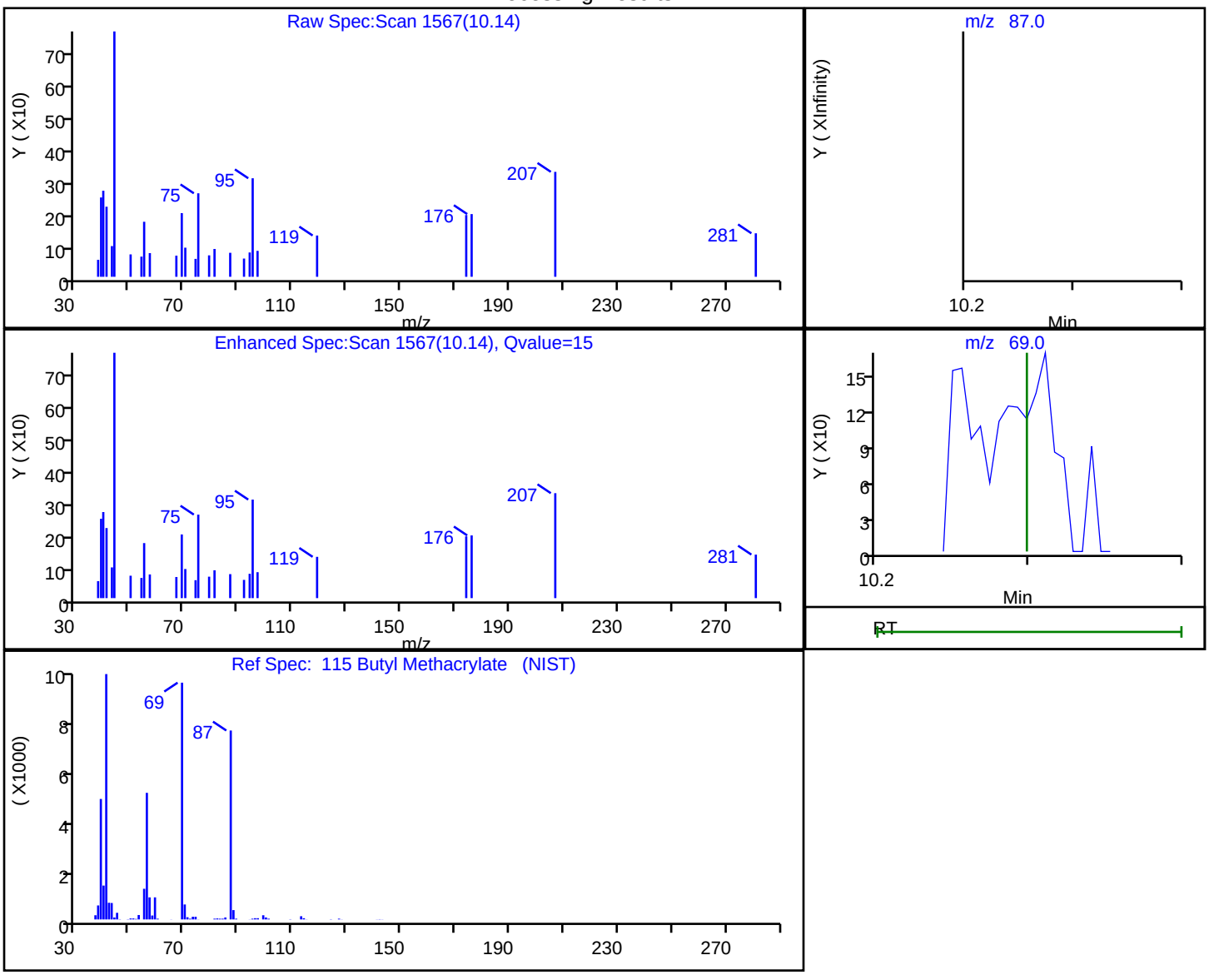
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

115 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
10.14	87.00	48	0.008986
10.14	69.00	168	

Reviewer: pakanatir, 21-Dec-2019 14:50:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

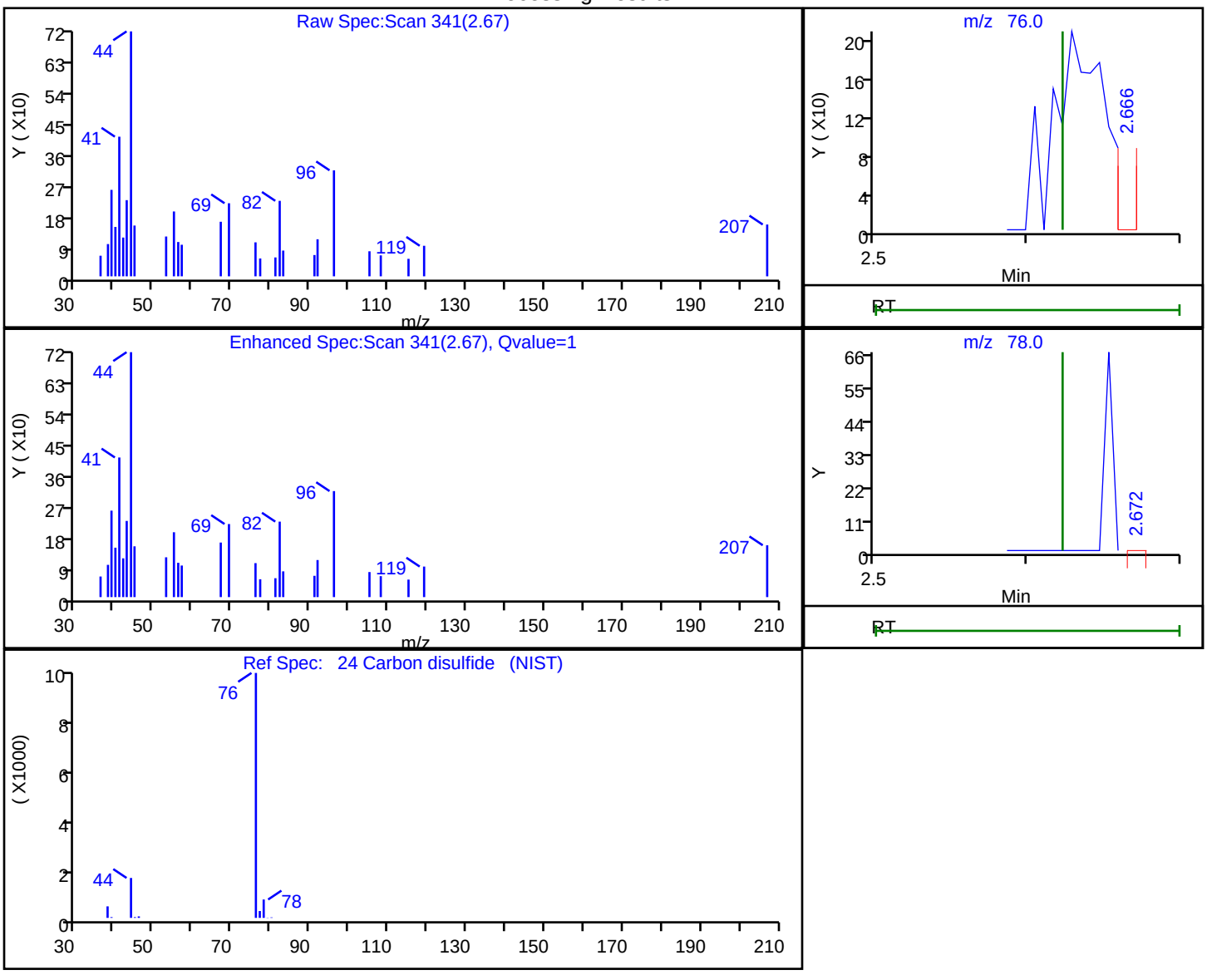
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

24 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.67	76.00	67	0.004510
2.67	78.00	22	

Reviewer: pakanatir, 21-Dec-2019 14:49:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

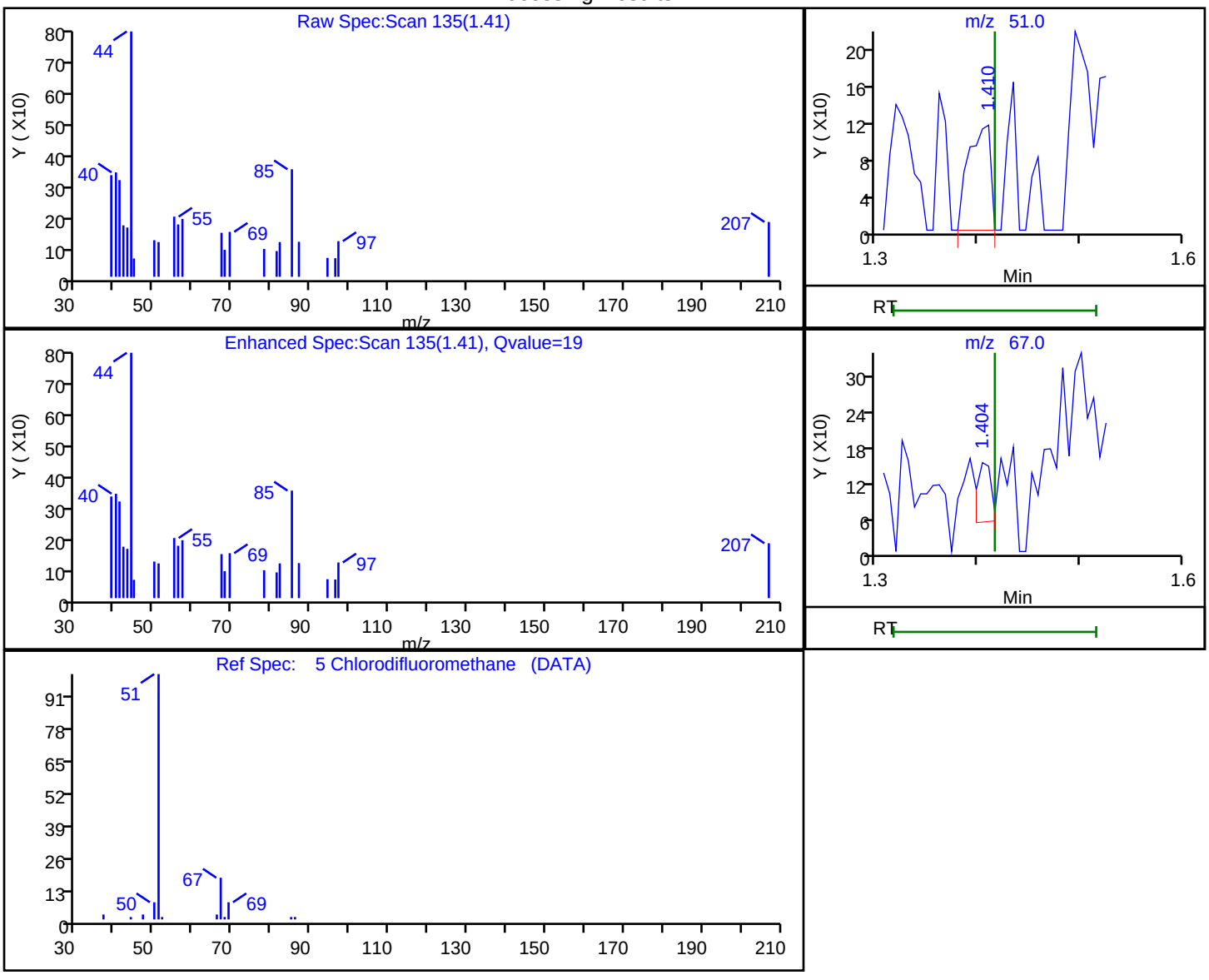
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.41	51.00	169	0.034202
1.40	67.00	95	

Reviewer: pakanatir, 21-Dec-2019 14:49:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

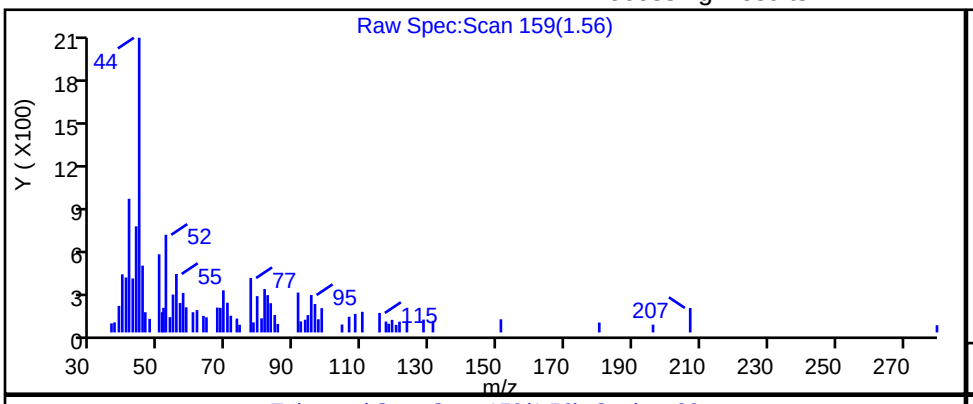
User Disabled Compound Report

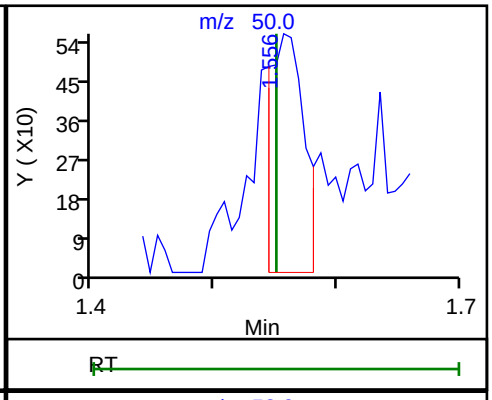
Eurofins TestAmerica, Edison

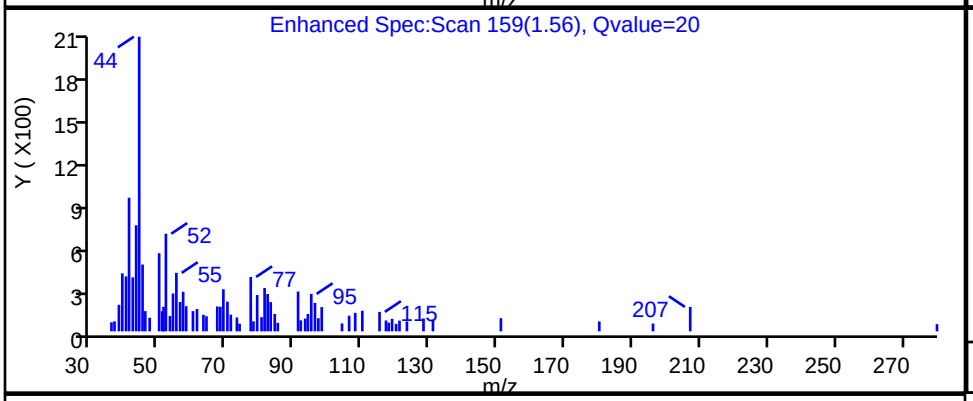
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

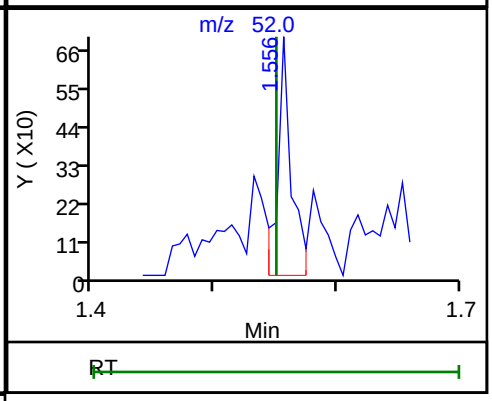
6 Chloromethane, CAS: 74-87-3

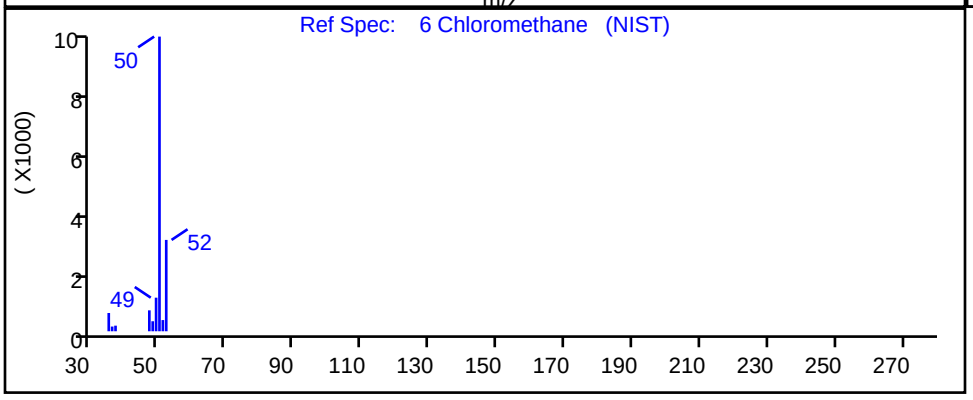
Processing Results











RT	Mass	Response	Amount
1.56	50.00	1111	0.247109
1.56	52.00	540	

Reviewer: pakanatir, 21-Dec-2019 14:49:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

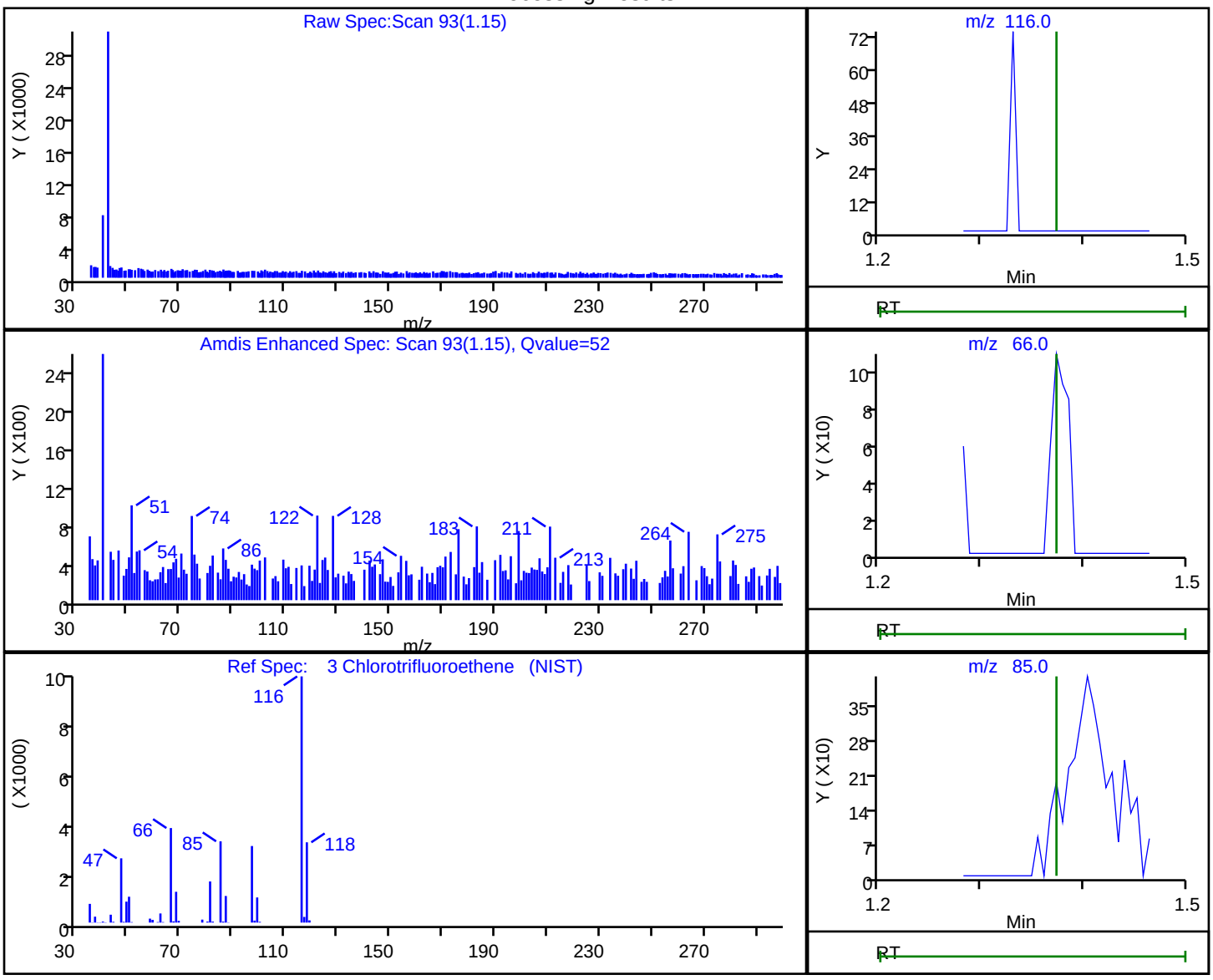
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

3 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
1.15	116.00	1277	0.914085
1.15	66.00	2383	
1.17	85.00	2313	
1.15	118.00	410	

Reviewer: pakanatir, 21-Dec-2019 14:49:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

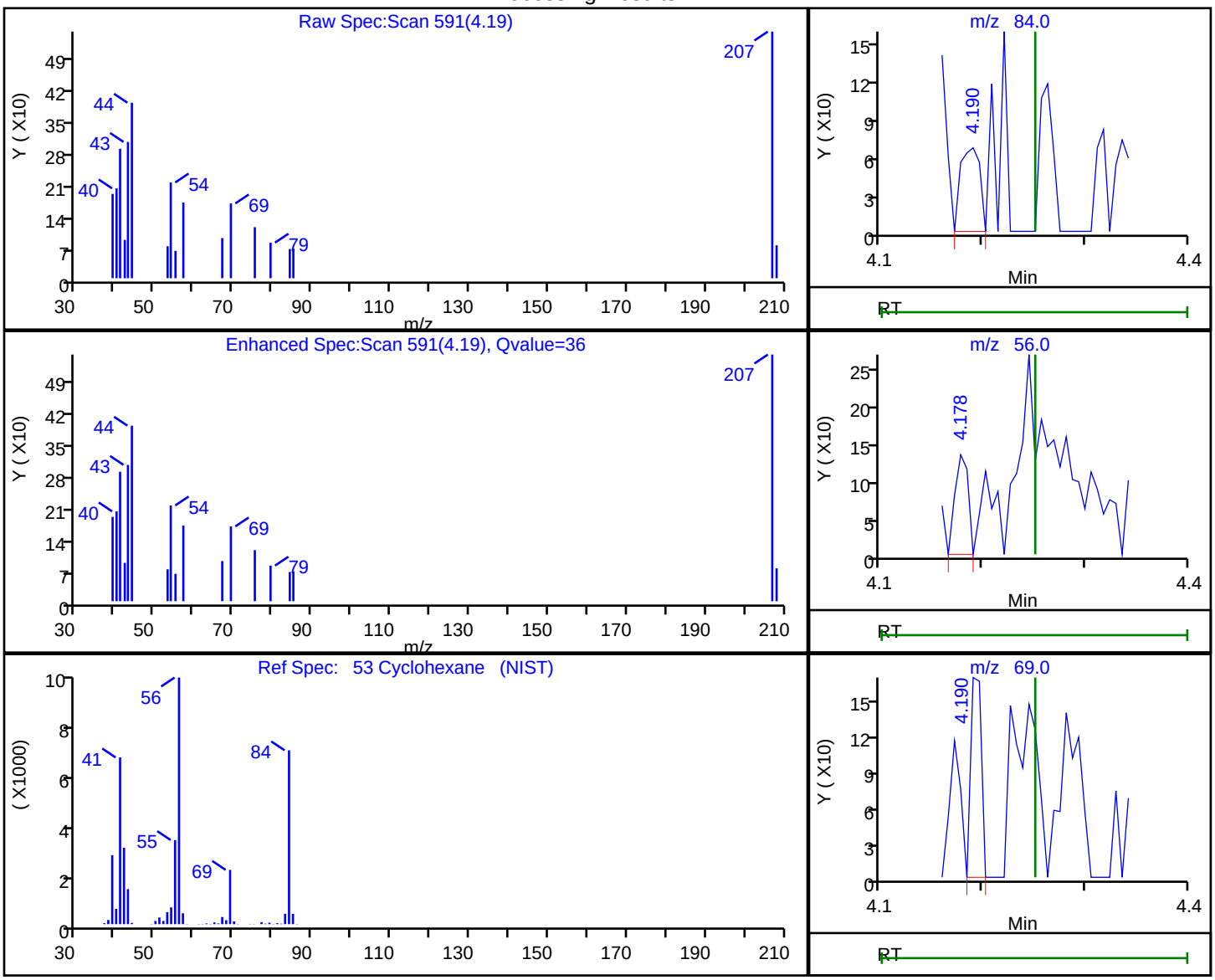
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

53 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
4.19	84.00	84	0.014707
4.18	56.00	119	
4.19	69.00	119	

Reviewer: pakanatir, 21-Dec-2019 14:49:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

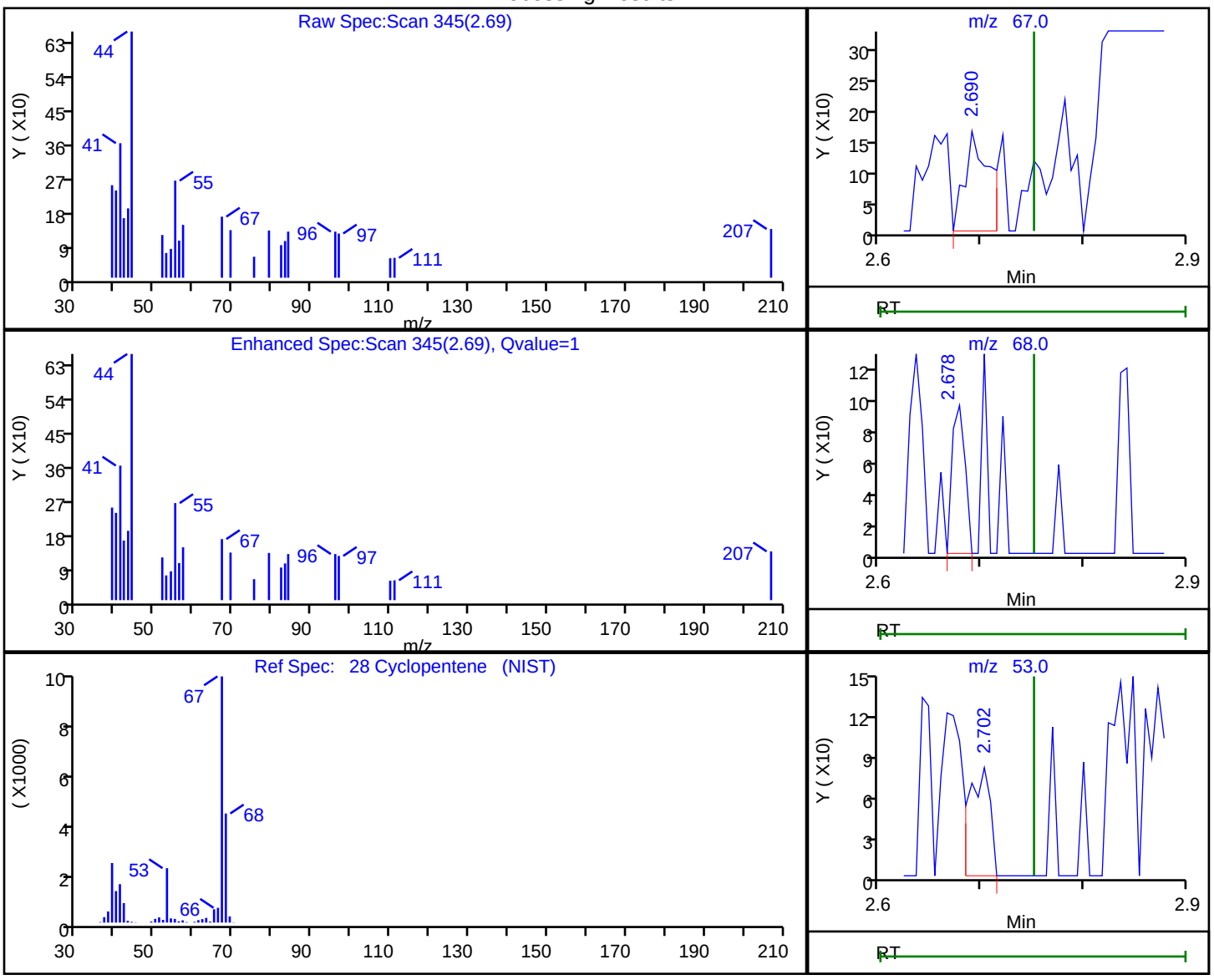
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

28 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
2.69	67.00	270	0.031349
2.68	68.00	84	
2.70	53.00	110	

Reviewer: pakanatir, 21-Dec-2019 14:49:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

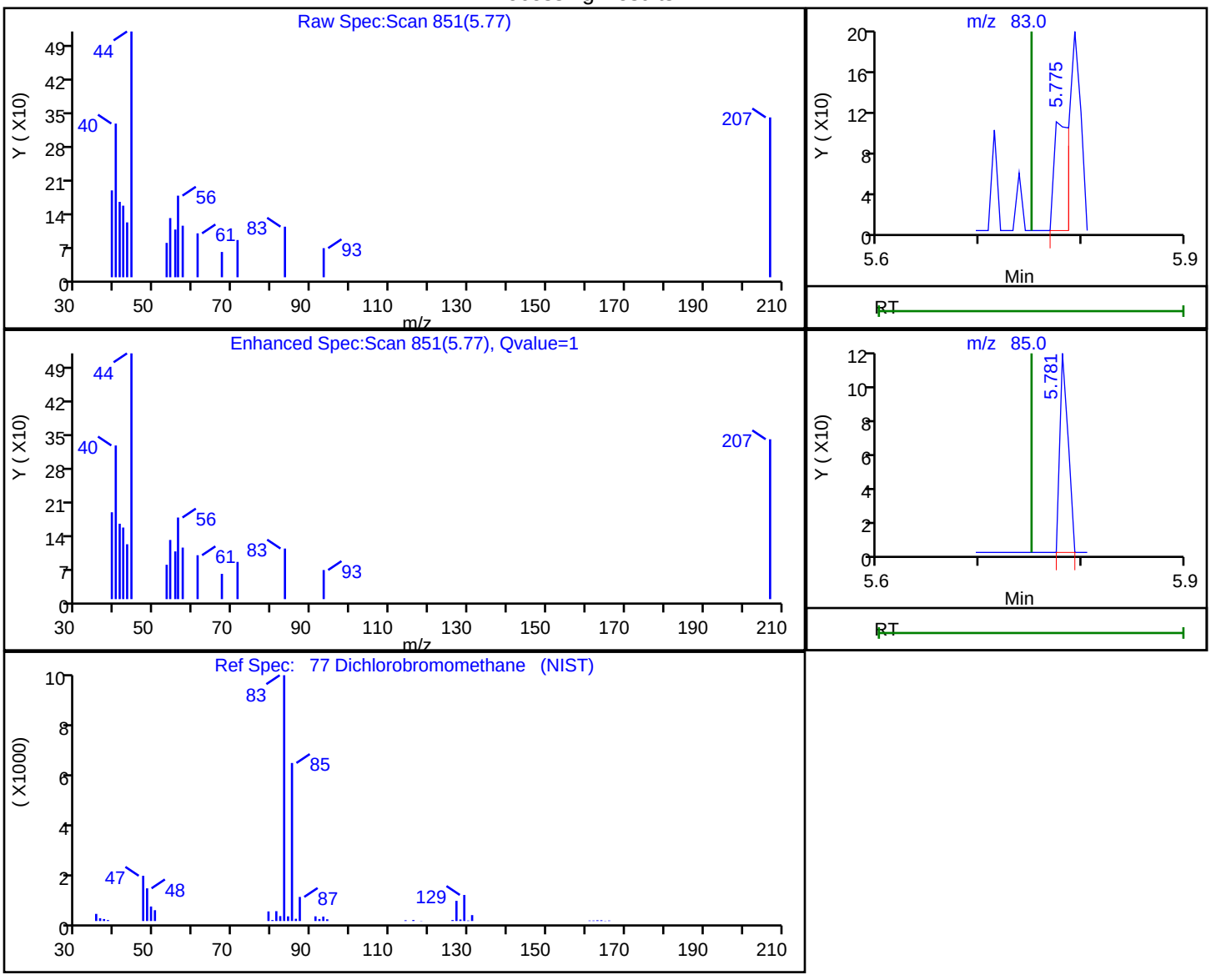
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

77 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
5.77	83.00	112	0.024078
5.78	85.00	63	

Reviewer: pakanatir, 21-Dec-2019 14:49:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

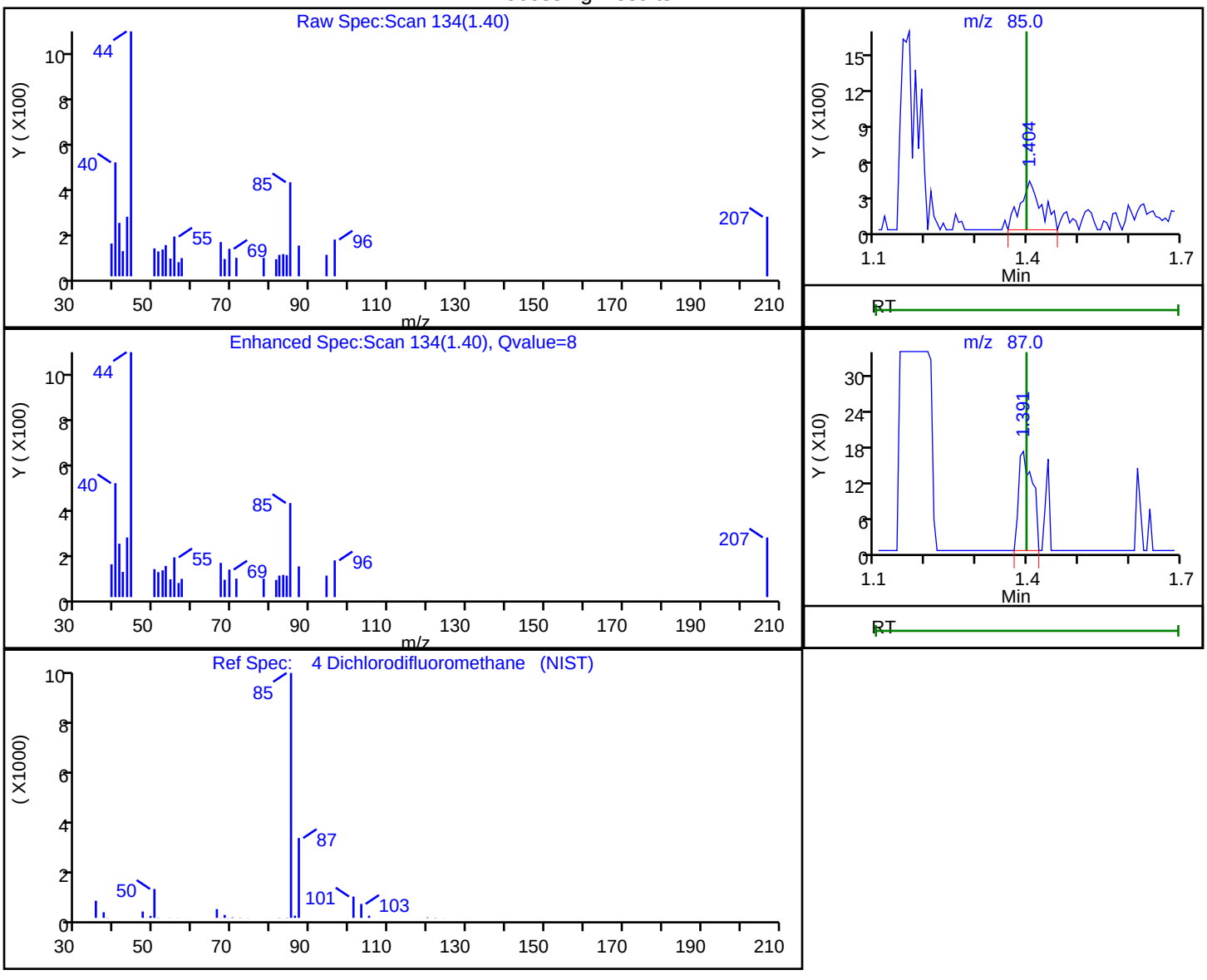
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.40	85.00	1179	0.180091
1.39	87.00	314	

Reviewer: pakanatir, 21-Dec-2019 14:49:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

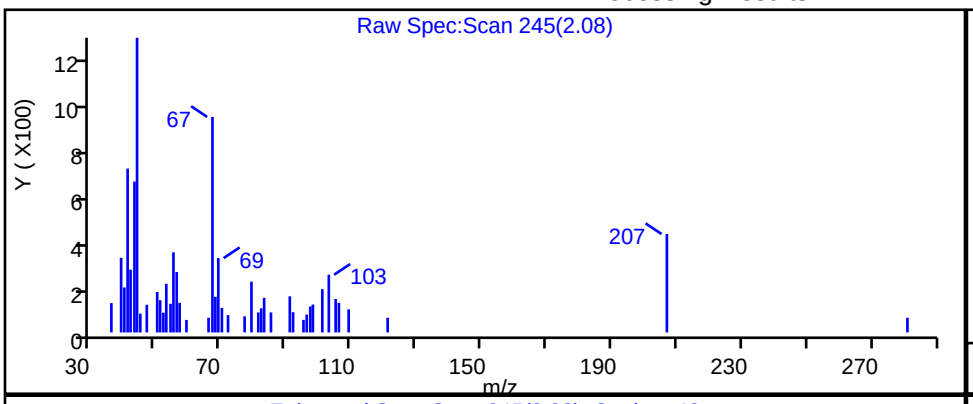
User Disabled Compound Report

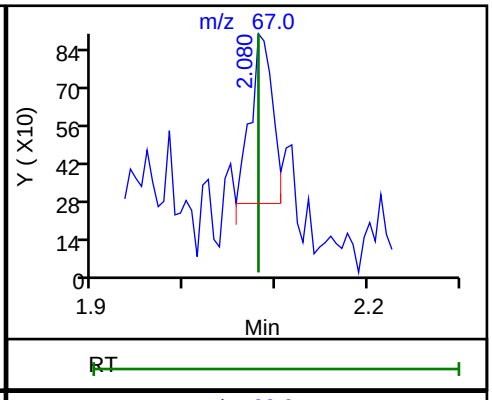
Eurofins TestAmerica, Edison

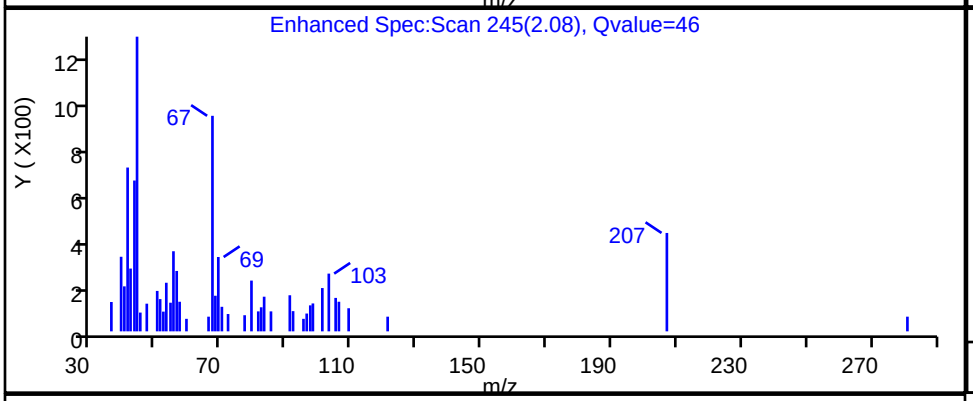
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D				
Injection Date:	21-Dec-2019 10:52:30	Instrument ID:	CVOAMS17		
Lims ID:	STD8				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

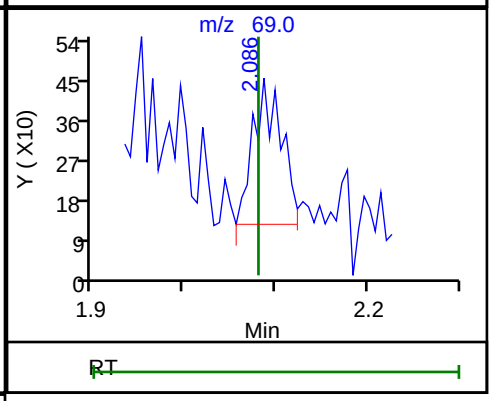
11 Dichlorofluoromethane, CAS: 75-43-4

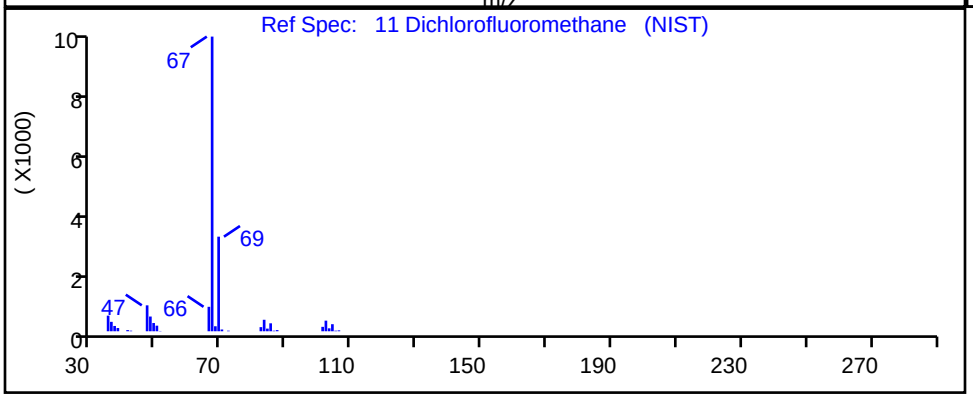
Processing Results











RT	Mass	Response	Amount
2.08	67.00	1066	0.142157
2.09	69.00	711	

Reviewer: pakanatir, 21-Dec-2019 14:49:22

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

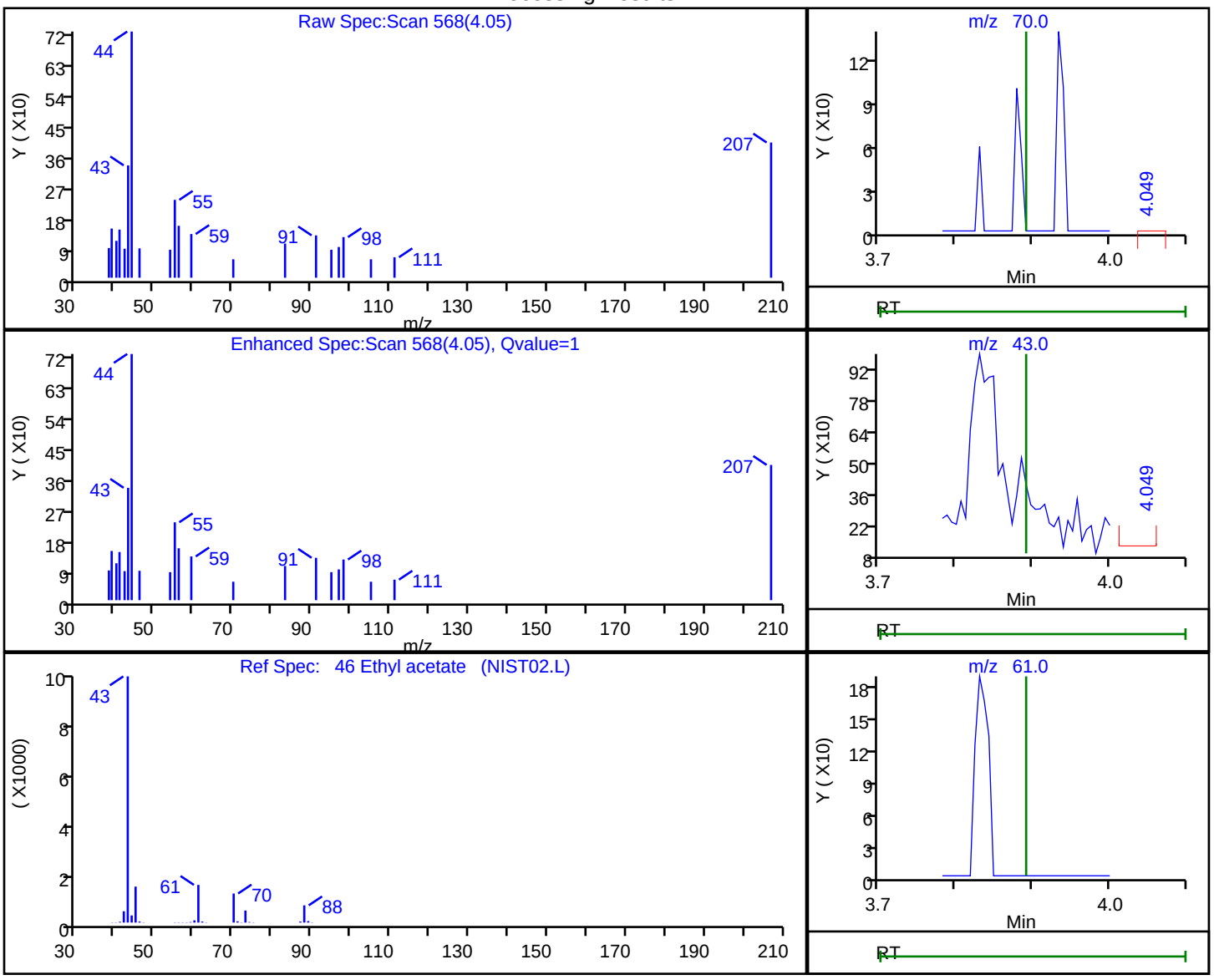
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

46 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
4.05	70.00	92	0.240594
4.05	43.00	322	
3.89	61.00	0	

Reviewer: pakanatir, 21-Dec-2019 14:49:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

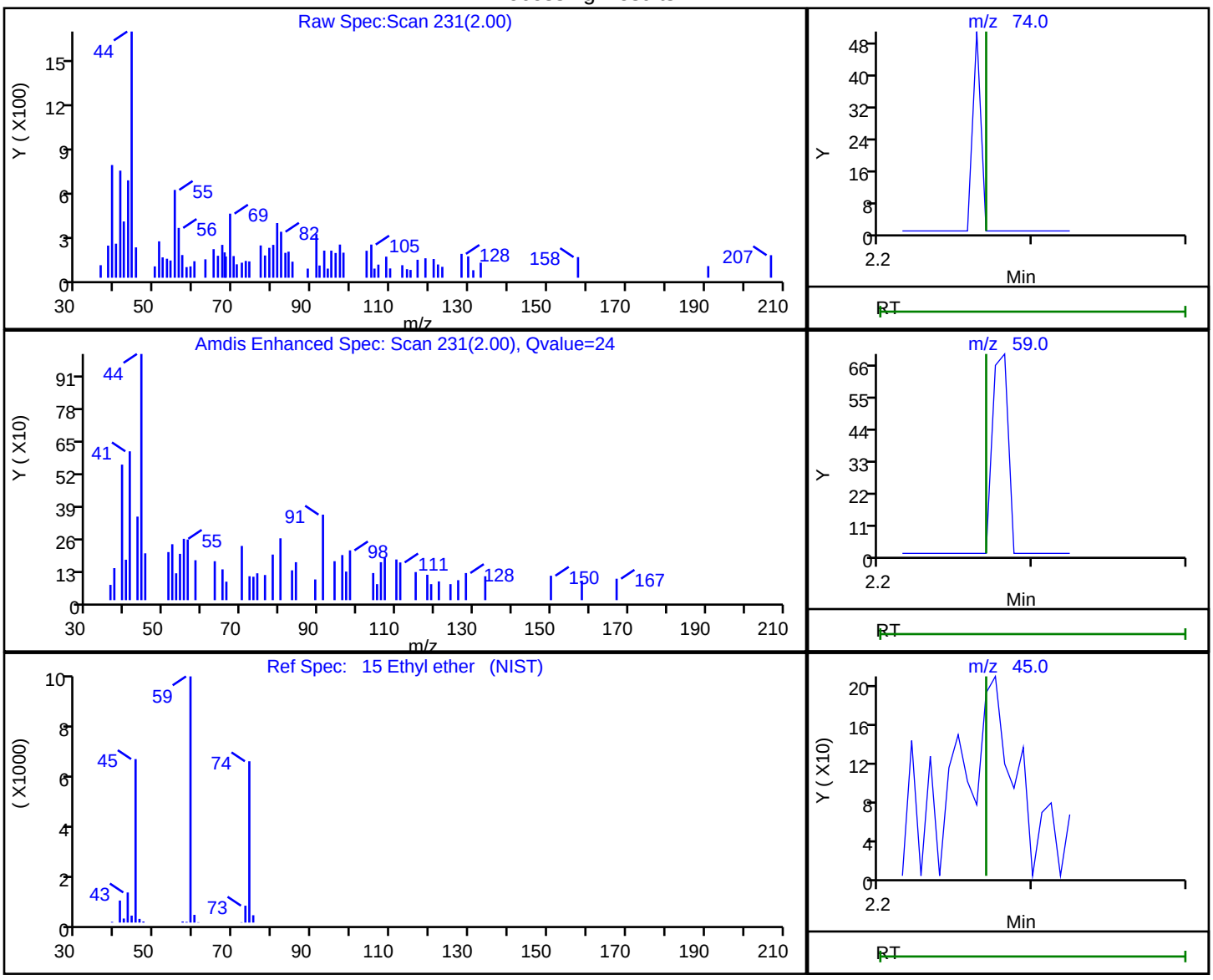
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.00	74.00	106	0.048789
2.00	59.00	55	
2.00	45.00	244	

Reviewer: pakanatir, 21-Dec-2019 14:49:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

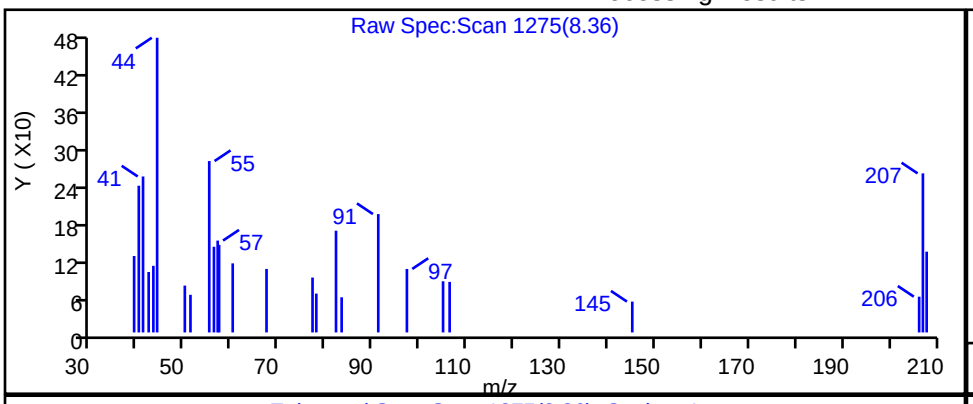
User Disabled Compound Report

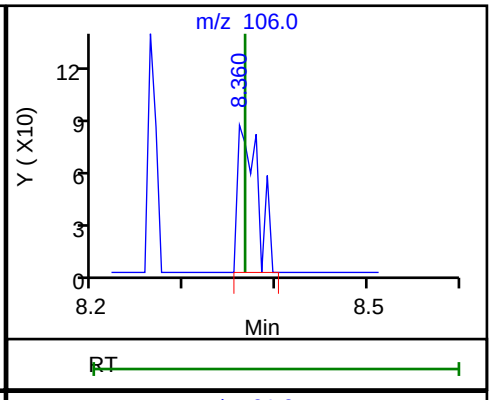
Eurofins TestAmerica, Edison

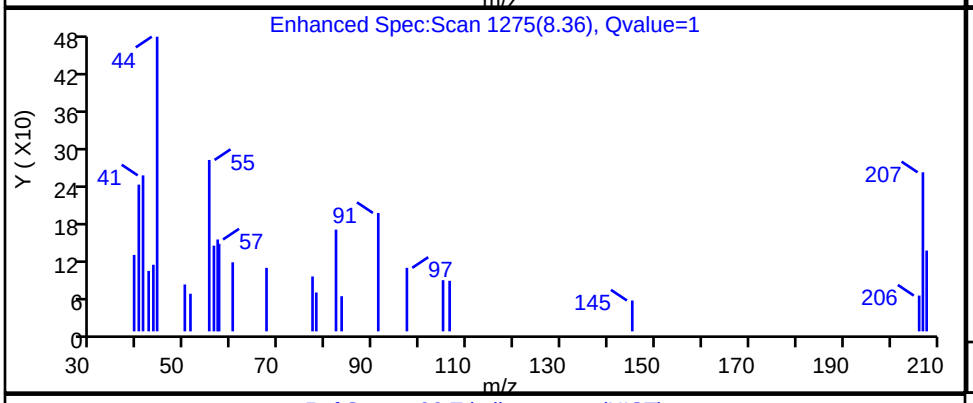
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

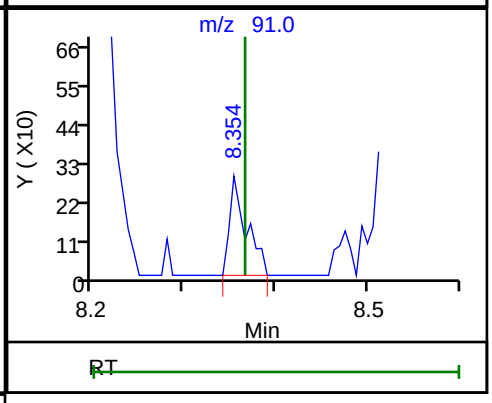
96 Ethylbenzene, CAS: 100-41-4

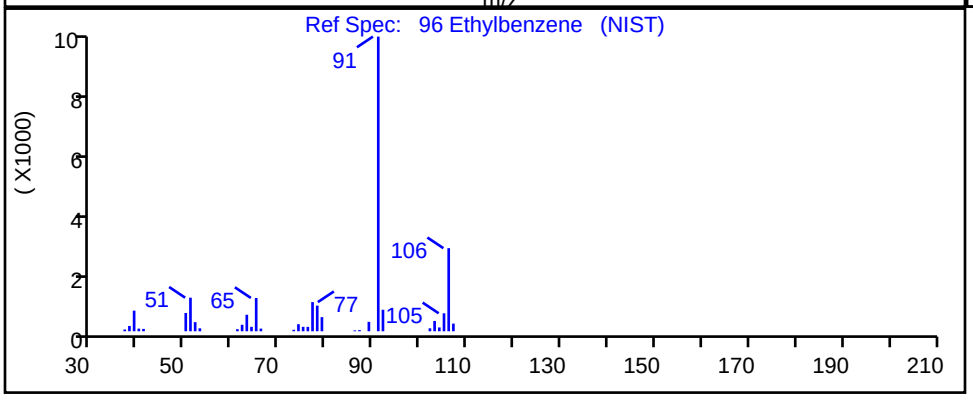
Processing Results











RT	Mass	Response	Amount
8.36	106.00	124	0.024927
8.35	91.00	364	

Reviewer: pakanatir, 21-Dec-2019 14:50:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

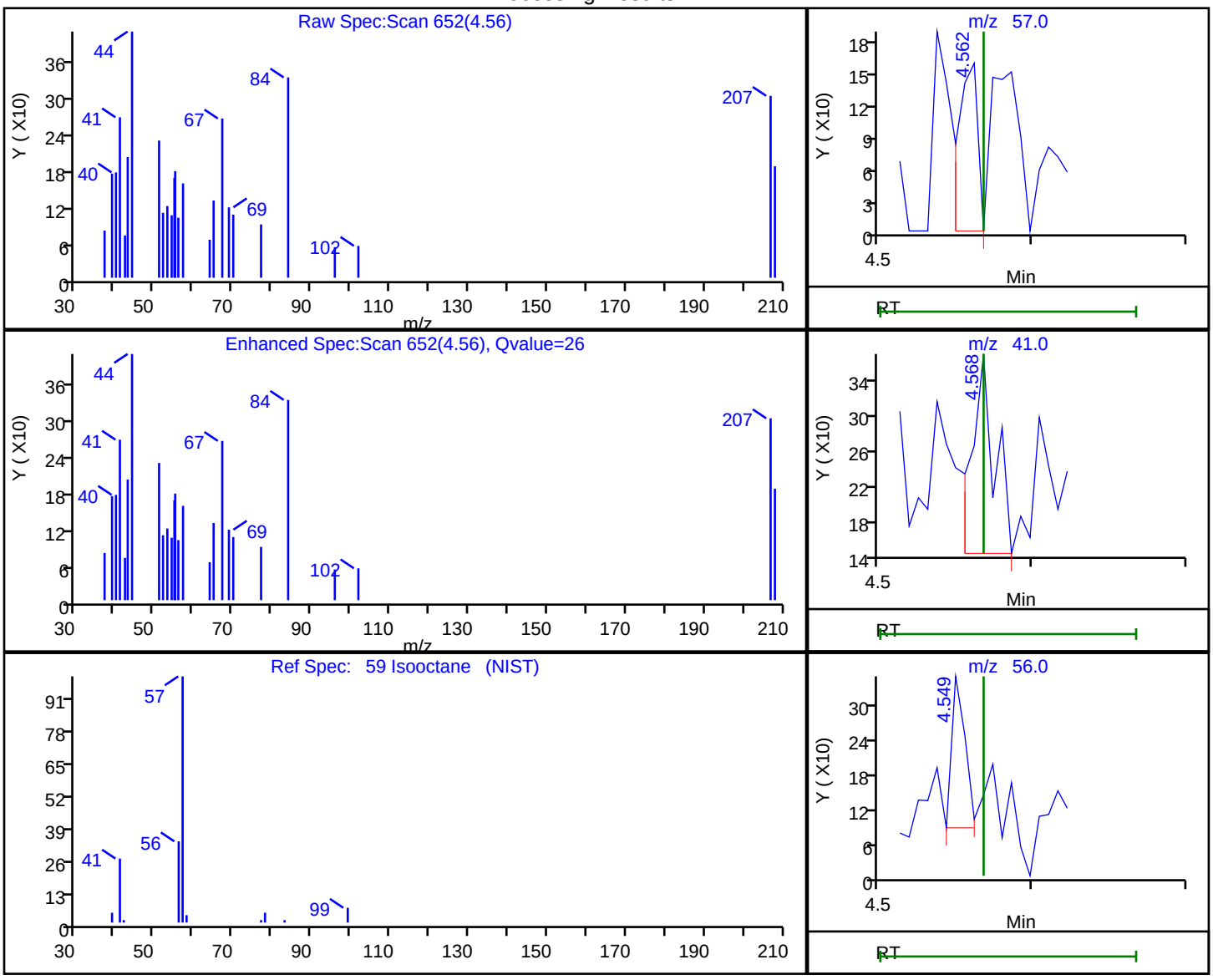
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

59 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
4.56	57.00	135	0.011712
4.57	41.00	236	
4.55	56.00	159	

Reviewer: pakanatir, 21-Dec-2019 14:49:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

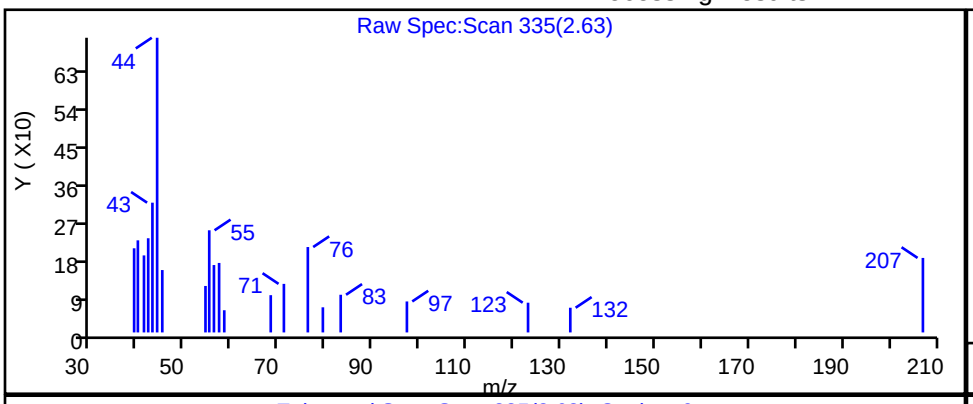
User Disabled Compound Report

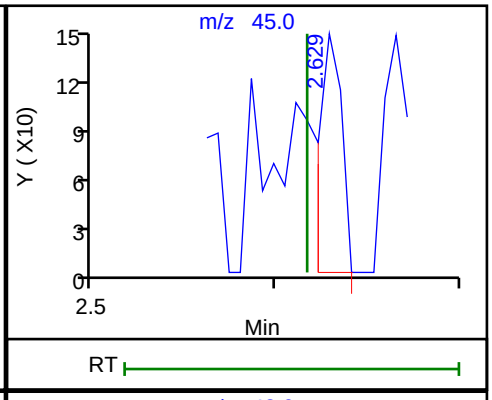
Eurofins TestAmerica, Edison

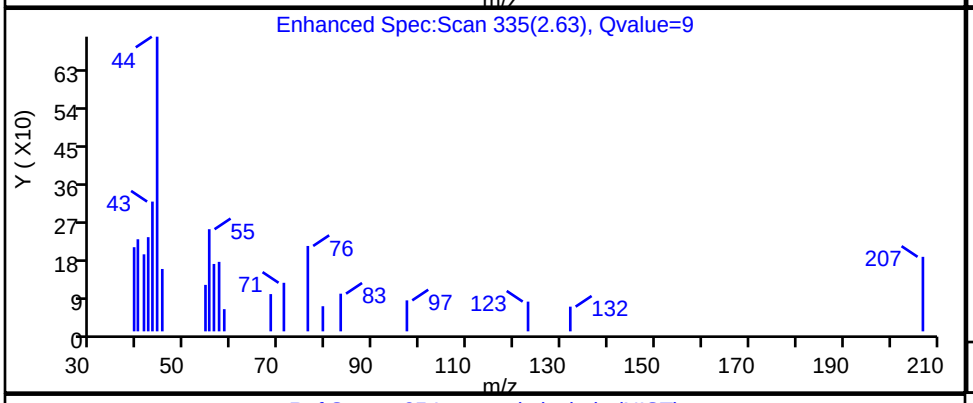
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

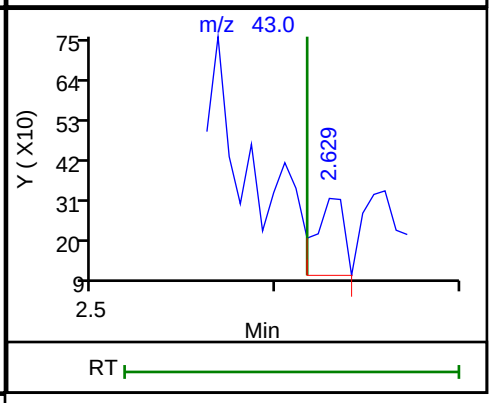
25 Isopropyl alcohol, CAS: 67-63-0

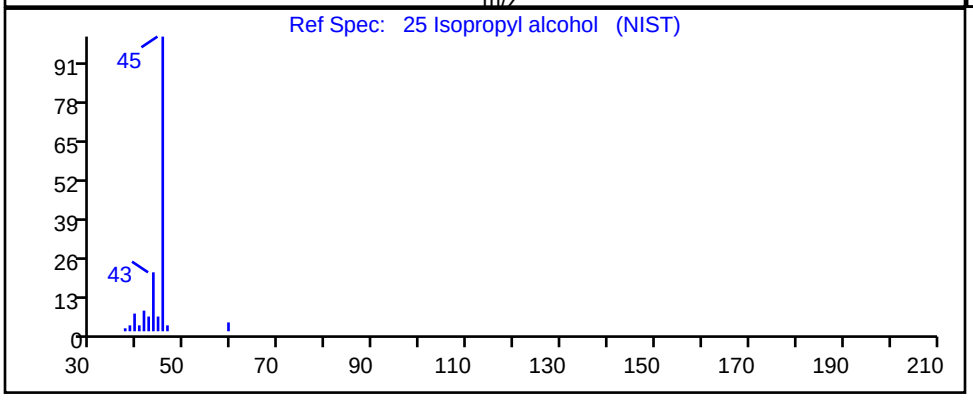
Processing Results











RT	Mass	Response	Amount
2.63	45.00	126	0.655376
2.63	43.00	234	

Reviewer: pakanatir, 21-Dec-2019 14:49:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

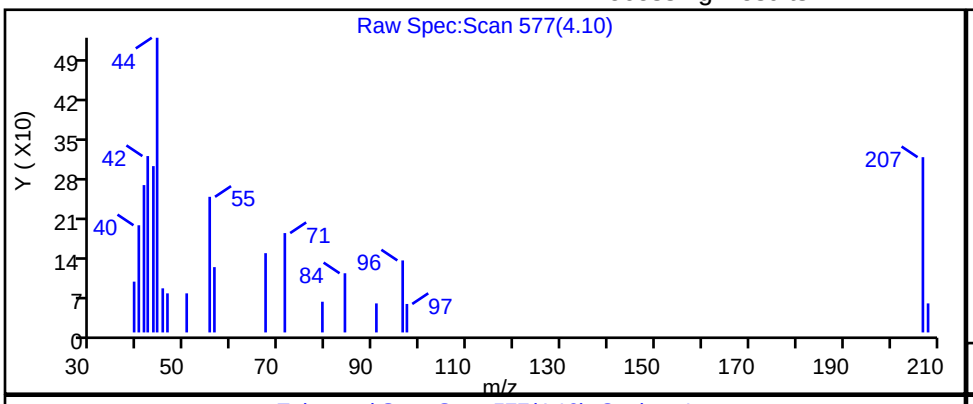
User Disabled Compound Report

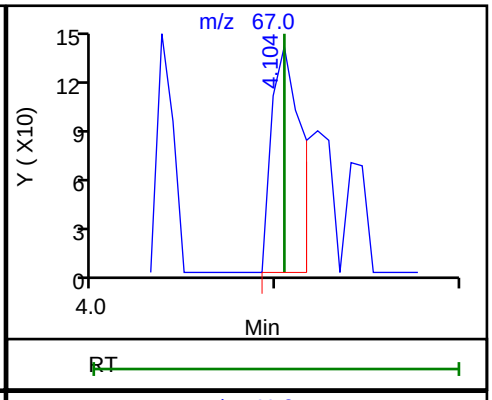
Eurofins TestAmerica, Edison

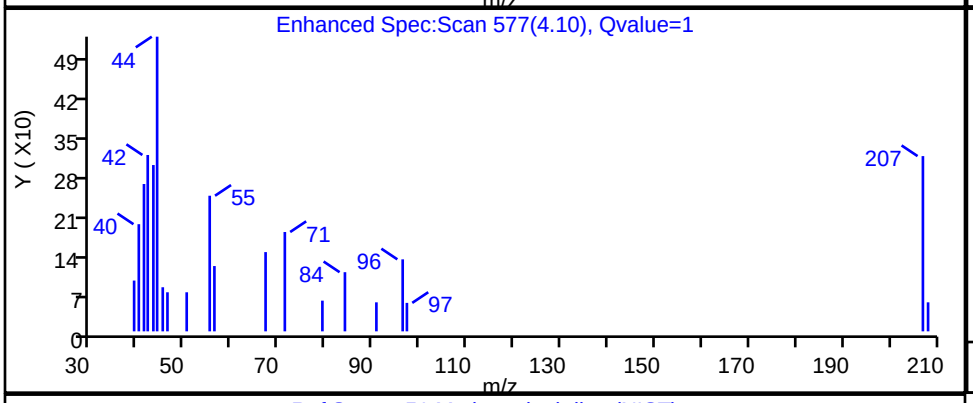
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

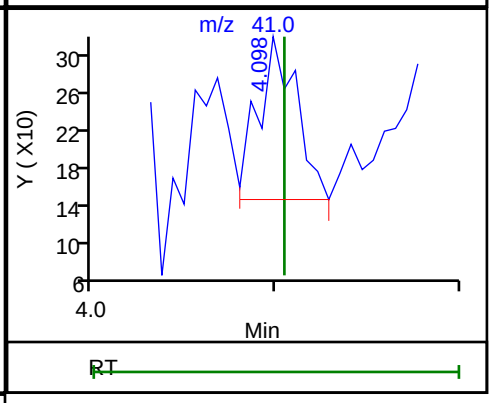
51 Methacrylonitrile, CAS: 126-98-7

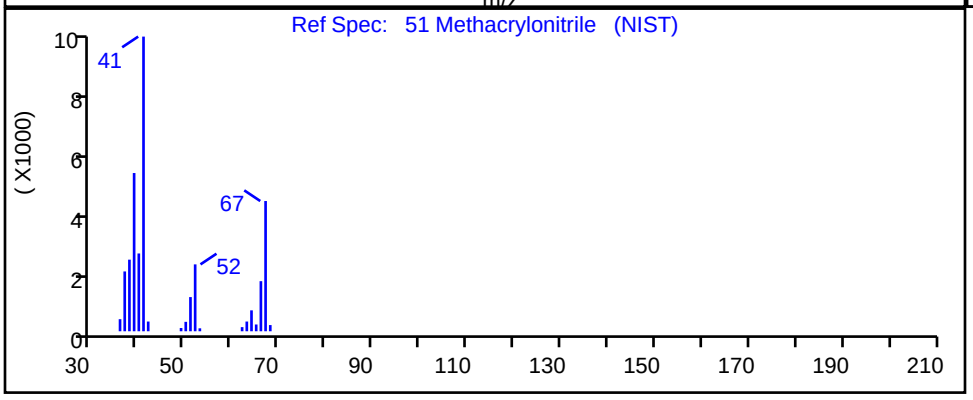
Processing Results











RT	Mass	Response	Amount
4.10	67.00	160	0.125463
4.10	41.00	255	

Reviewer: pakanatir, 21-Dec-2019 14:49:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

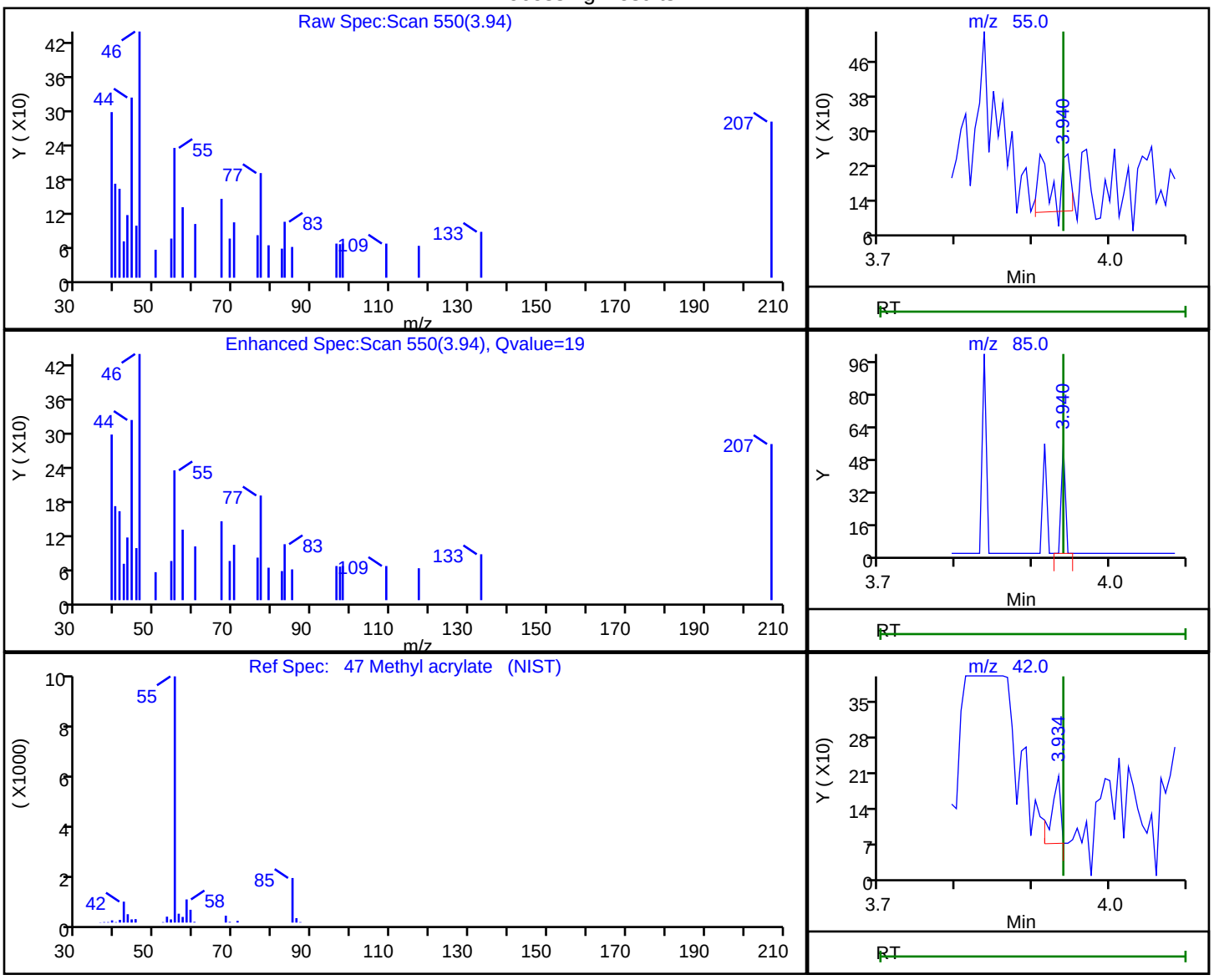
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

47 Methyl acrylate, CAS: 96-33-3

Processing Results



RT	Mass	Response	Amount
3.94	55.00	231	0.086017
3.94	85.00	20	
3.93	42.00	109	

Reviewer: pakanatir, 21-Dec-2019 14:49:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

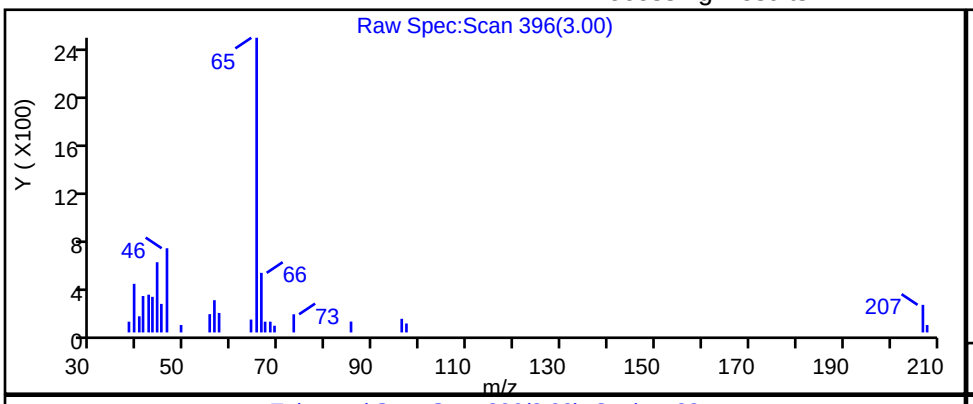
User Disabled Compound Report

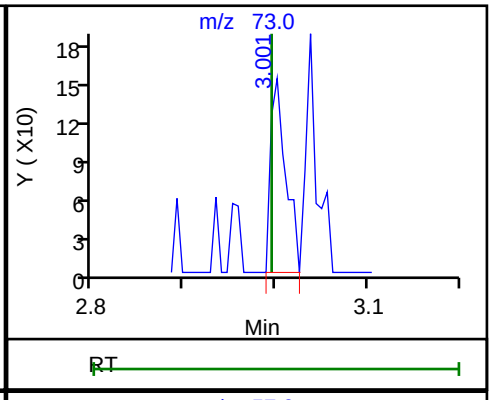
Eurofins TestAmerica, Edison

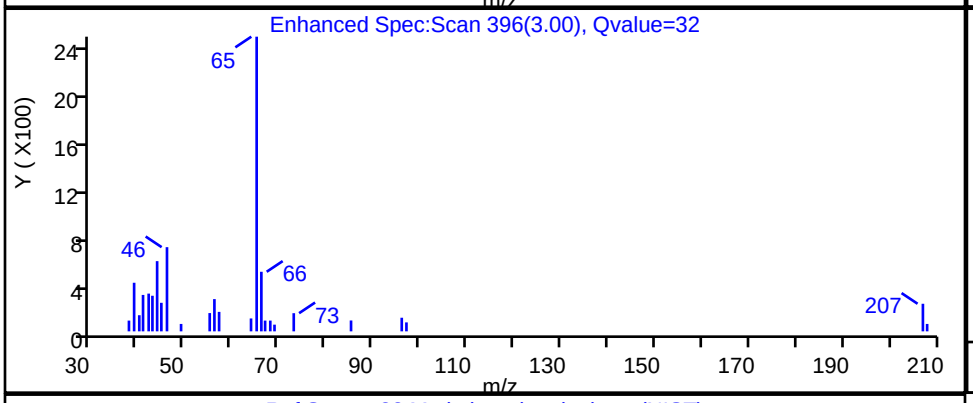
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D				
Injection Date:	21-Dec-2019 10:52:30	Instrument ID:	CVOAMS17		
Lims ID:	STD8				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

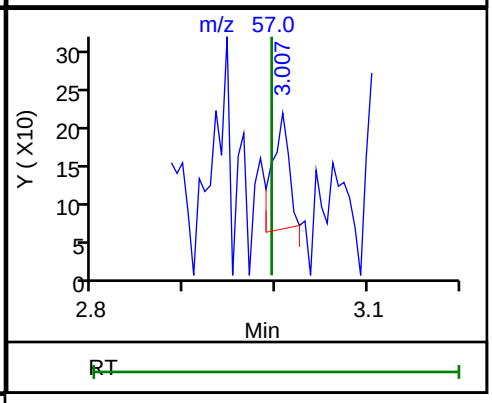
33 Methyl tert-butyl ether, CAS: 1634-04-4

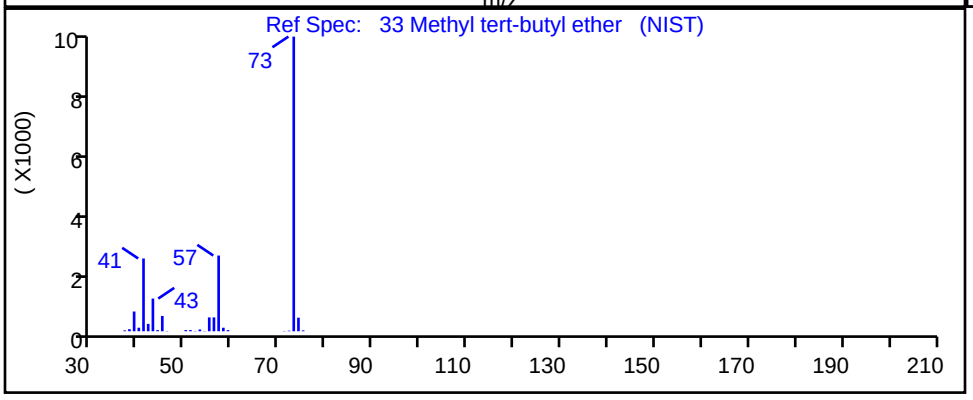
Processing Results











RT	Mass	Response	Amount
3.00	73.00	176	0.017639
3.01	57.00	191	

Reviewer: pakanatir, 21-Dec-2019 14:49:25

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

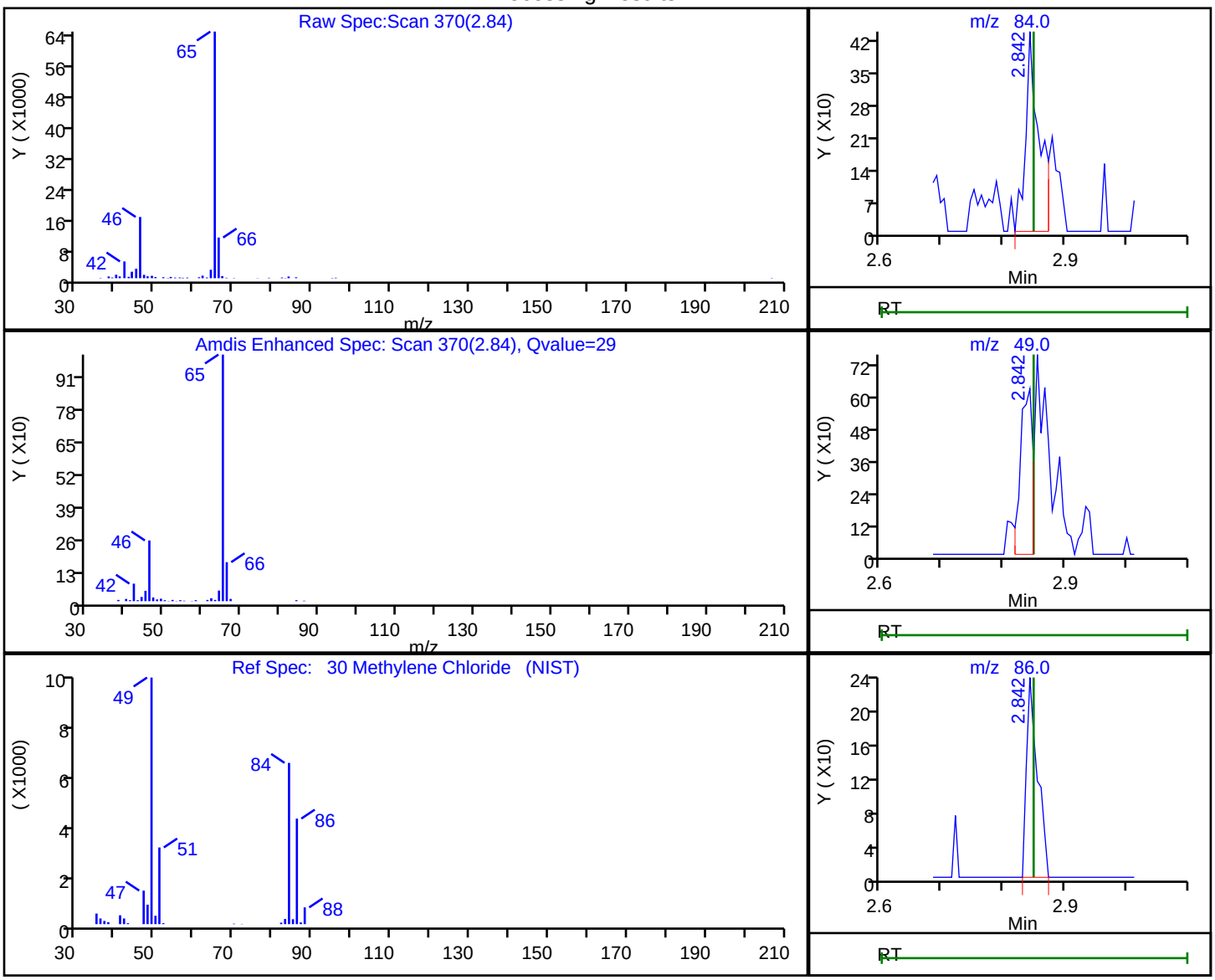
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
2.84	84.00	674	0.146403
2.84	49.00	878	
2.84	86.00	290	

Reviewer: pakanatir, 21-Dec-2019 14:49:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

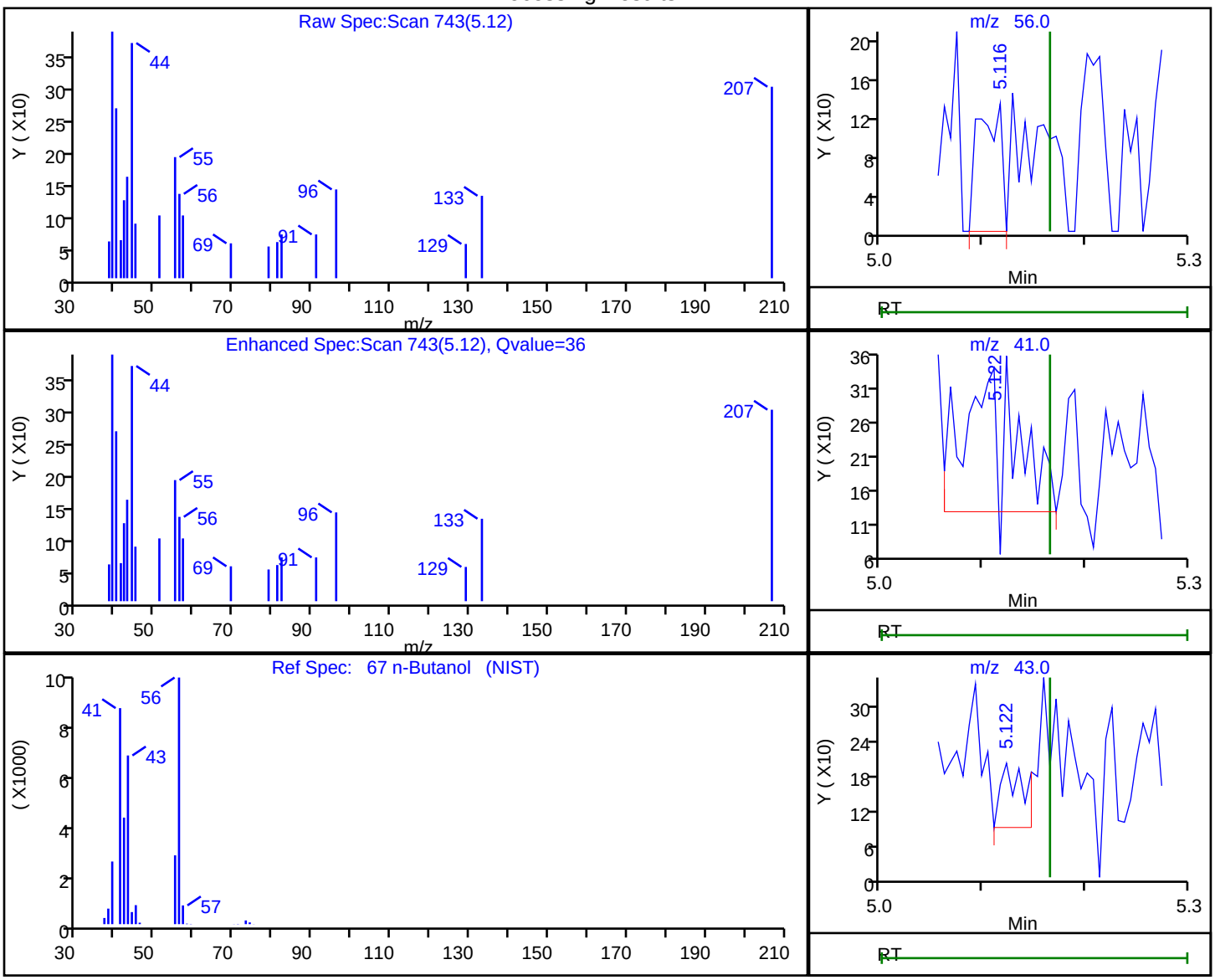
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

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

Processing Results



RT	Mass	Response	Amount
5.12	56.00	209	2.254008
5.12	41.00	714	
5.12	43.00	176	

Reviewer: pakanatir, 21-Dec-2019 14:49:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

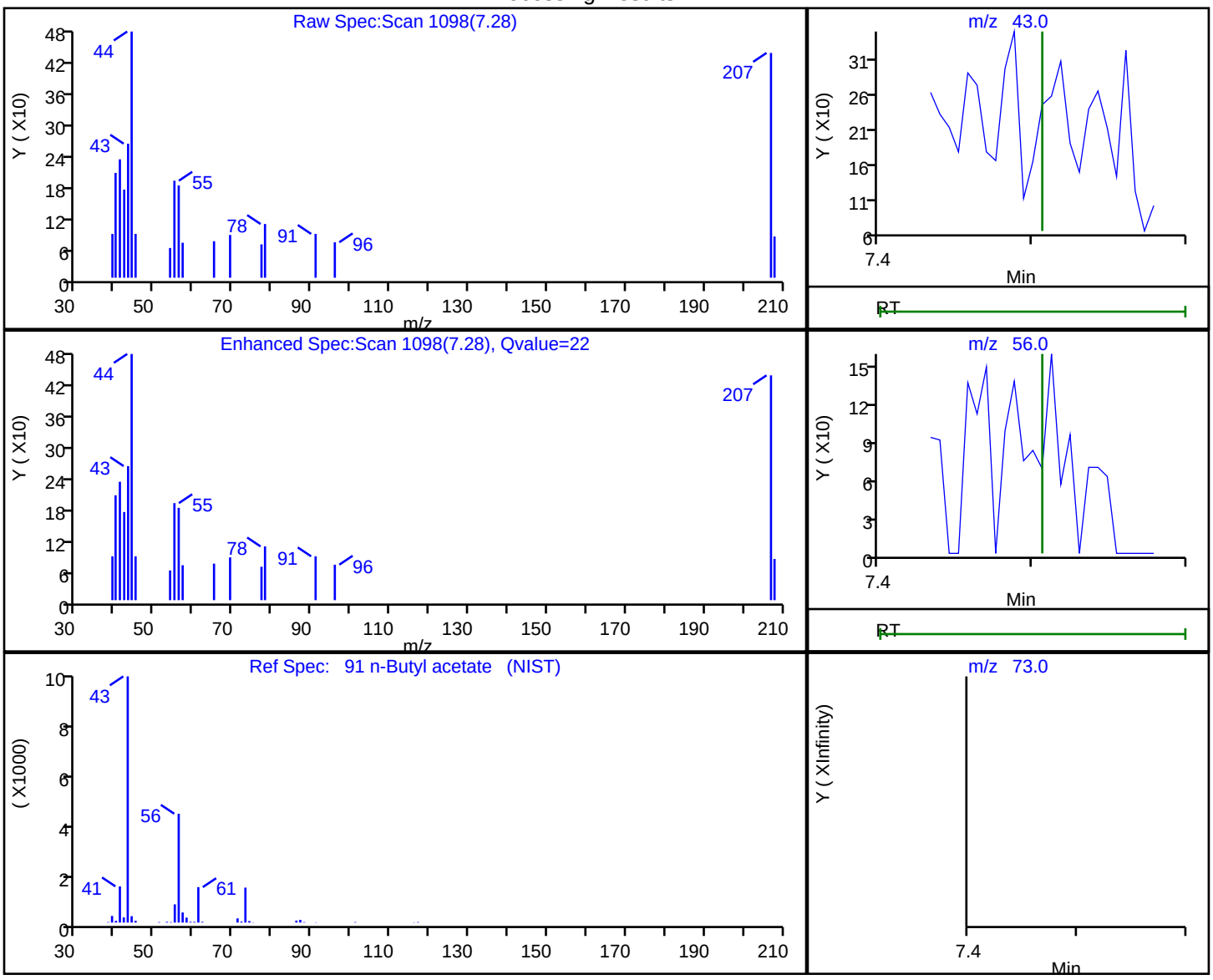
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D		
Injection Date:	21-Dec-2019 10:52:30	Instrument ID:	CVOAMS17
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

91 n-Butyl acetate, CAS: 123-86-4

Processing Results



RT	Mass	Response	Amount
7.28	43.00	181	0.047218
7.28	56.00	156	
7.27	73.00	79	

Reviewer: pakanatir, 21-Dec-2019 14:50:05

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

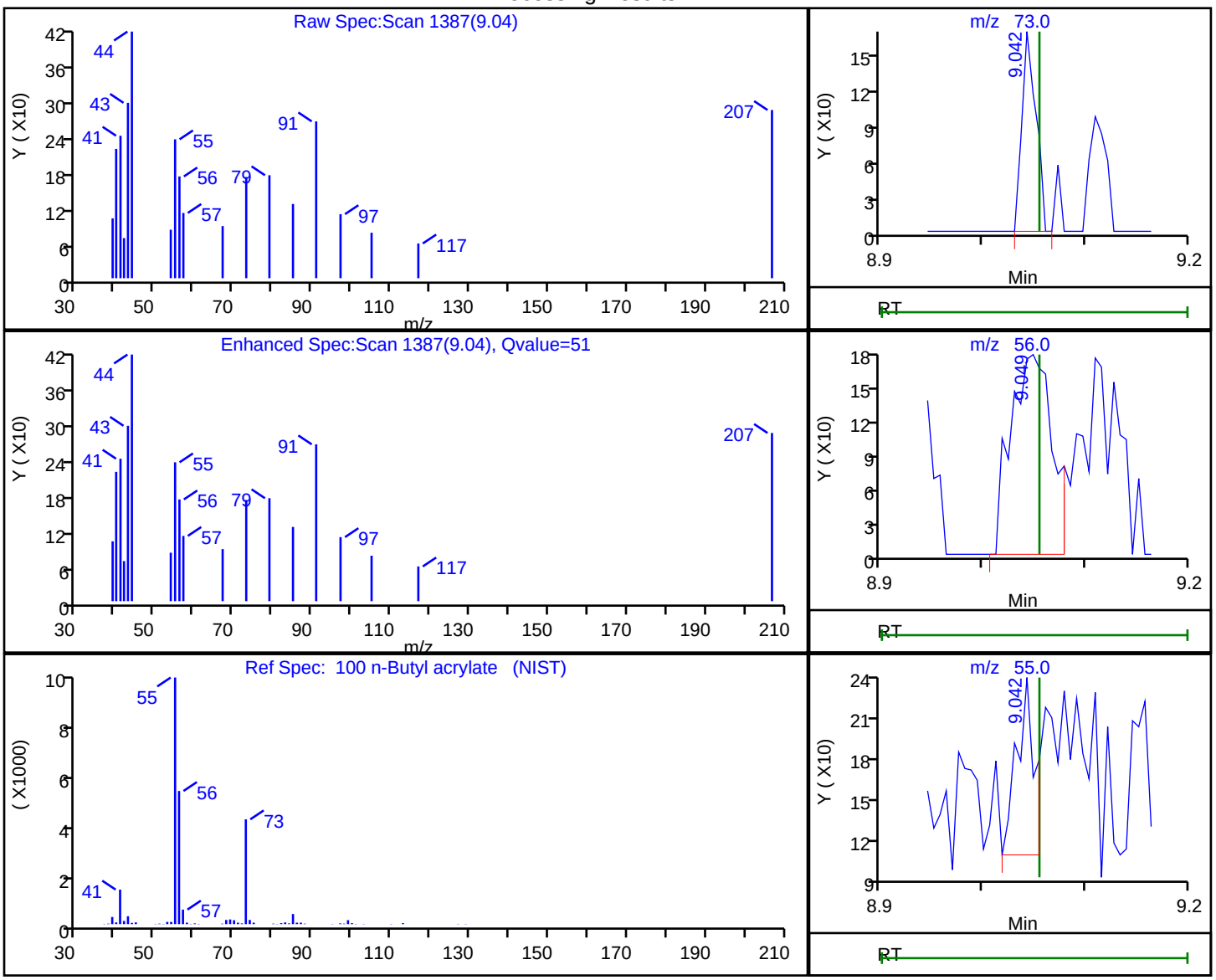
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

100 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
9.04	73.00	162	0.060038
9.05	56.00	496	
9.04	55.00	145	

Reviewer: pakanatir, 21-Dec-2019 14:50:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

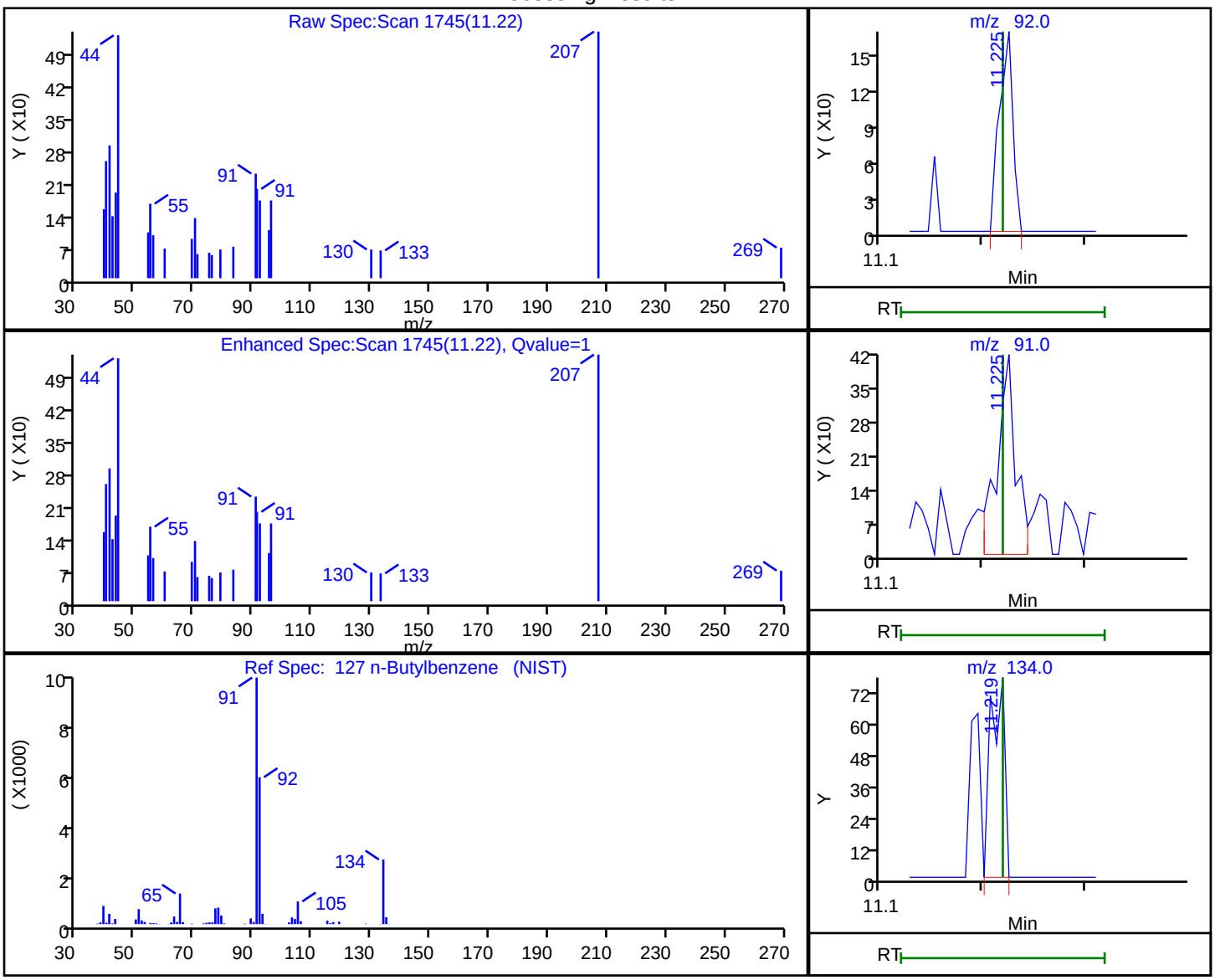
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

127 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.22	92.00	156	0.019796
11.22	91.00	539	
11.22	134.00	74	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

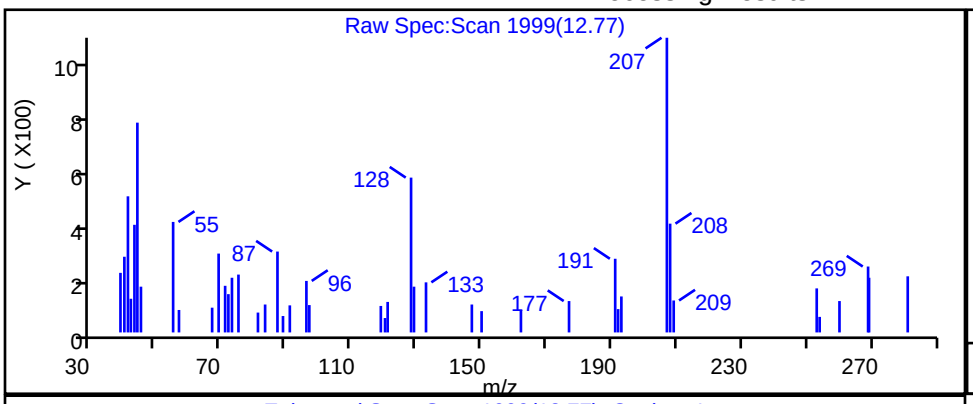
User Disabled Compound Report

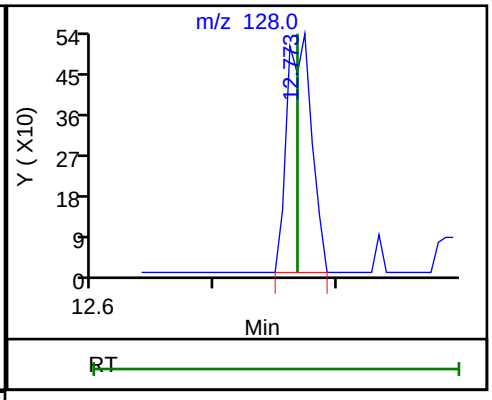
Eurofins TestAmerica, Edison

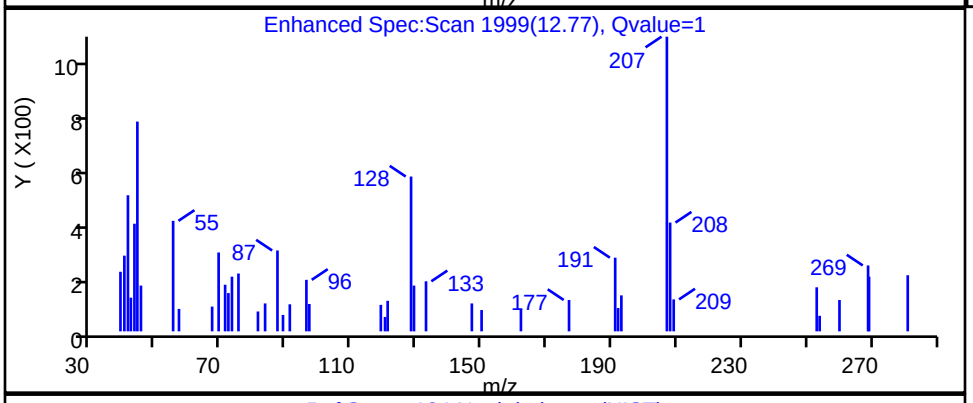
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D		
Injection Date:	21-Dec-2019 10:52:30	Instrument ID:	CVOAMS17
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

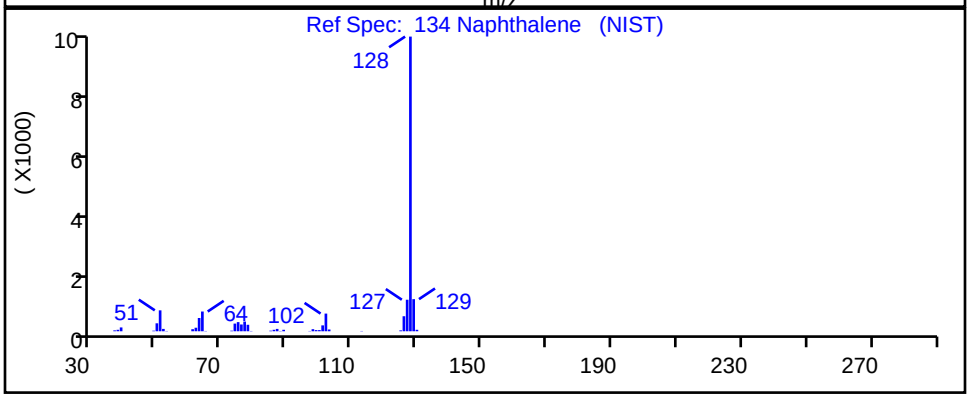
134 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
12.77	128.00	752	0.043129

Reviewer: pakanatir, 21-Dec-2019 14:50:28

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

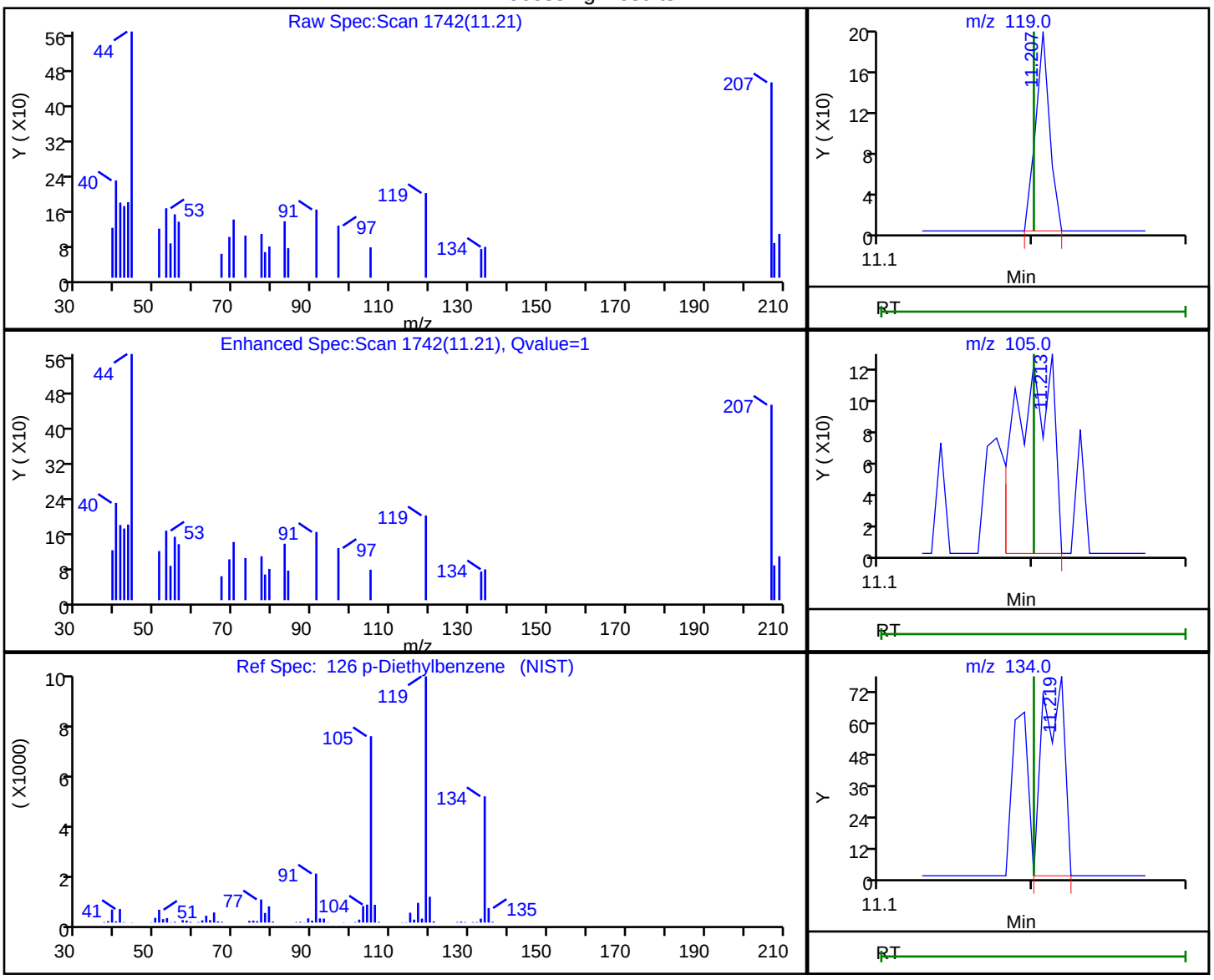
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

126 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
11.21	119.00	124	0.013512
11.21	105.00	192	
11.22	134.00	74	

Reviewer: pakanatir, 21-Dec-2019 14:50:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

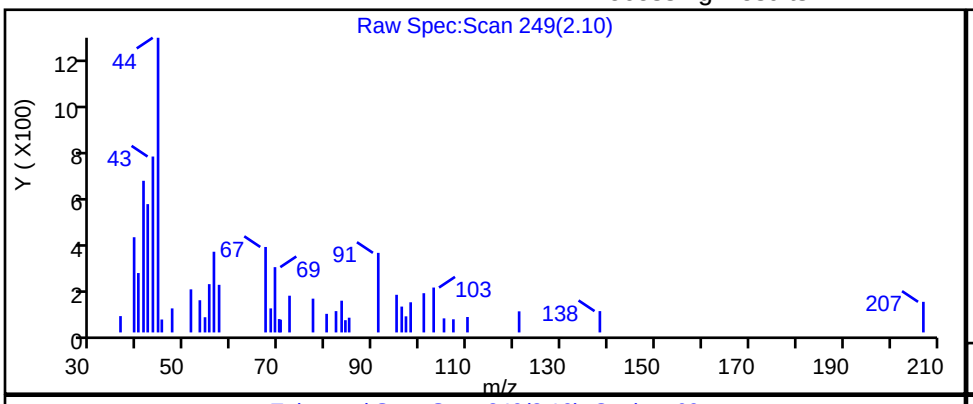
User Disabled Compound Report

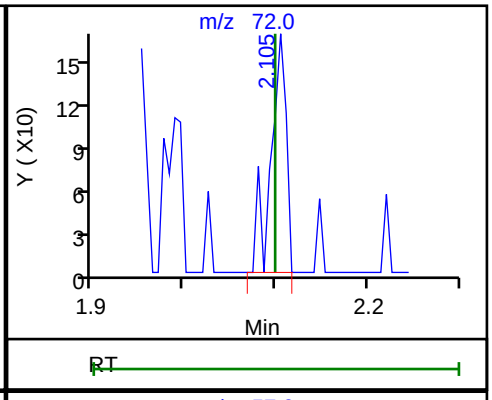
Eurofins TestAmerica, Edison

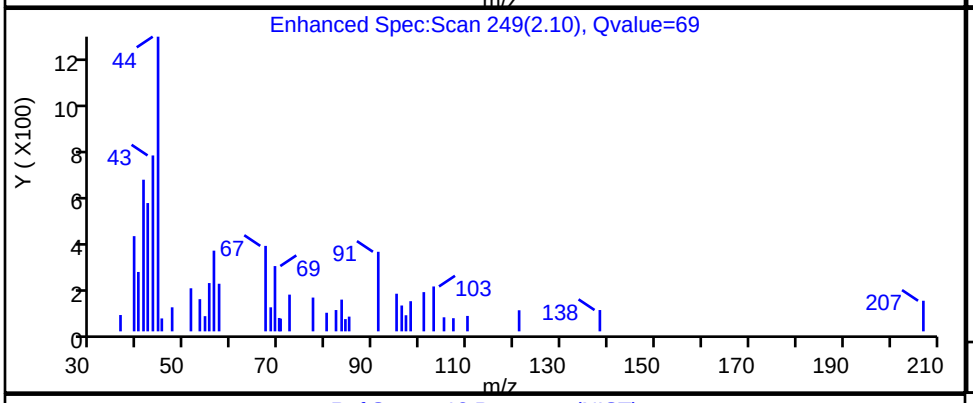
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

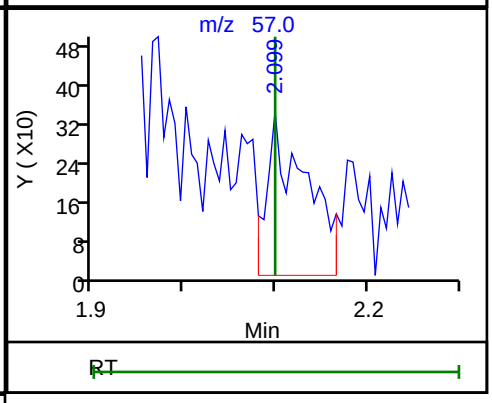
13 Pentane, CAS: 109-66-0

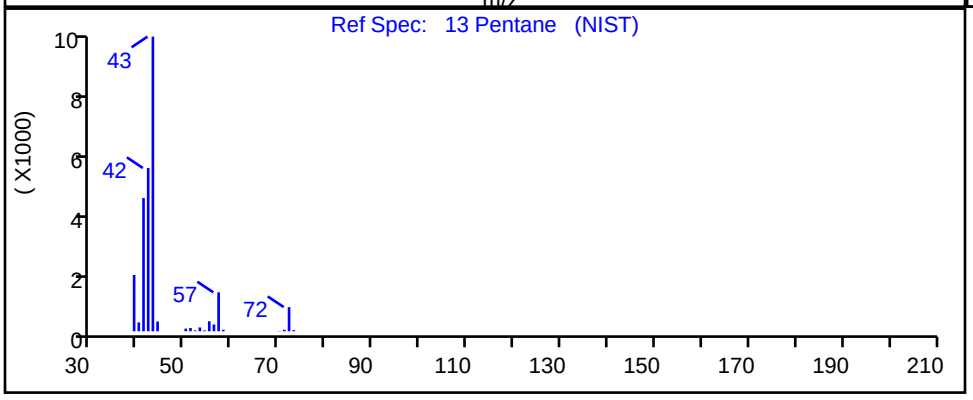
Processing Results











RT	Mass	Response	Amount
2.10	72.00	189	0.290487
2.10	57.00	1018	

Reviewer: pakanatir, 21-Dec-2019 14:49:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

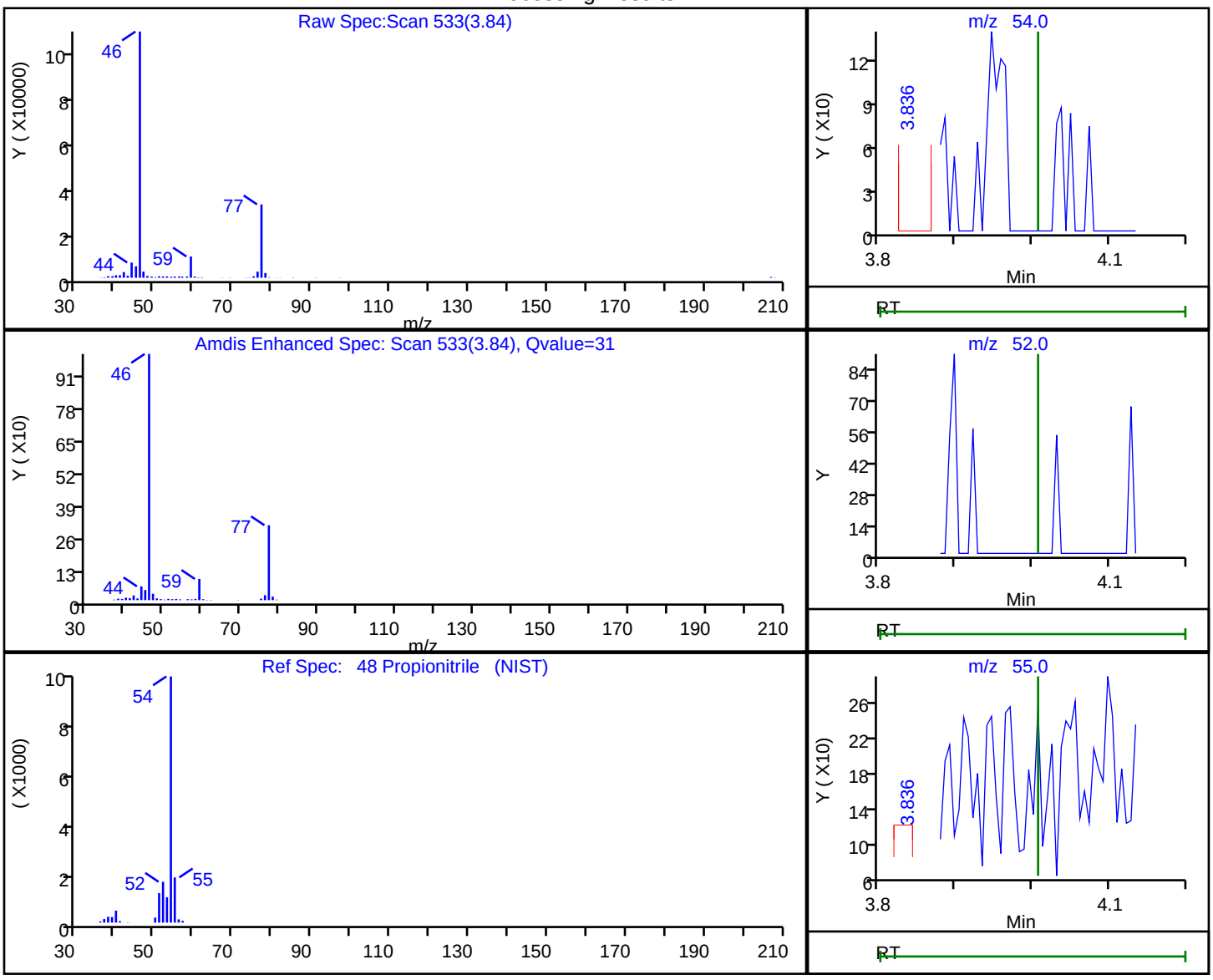
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
3.84	54.00	681	1.588980
3.84	52.00	935	
3.84	55.00	367	

Reviewer: pakanatir, 21-Dec-2019 14:49:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

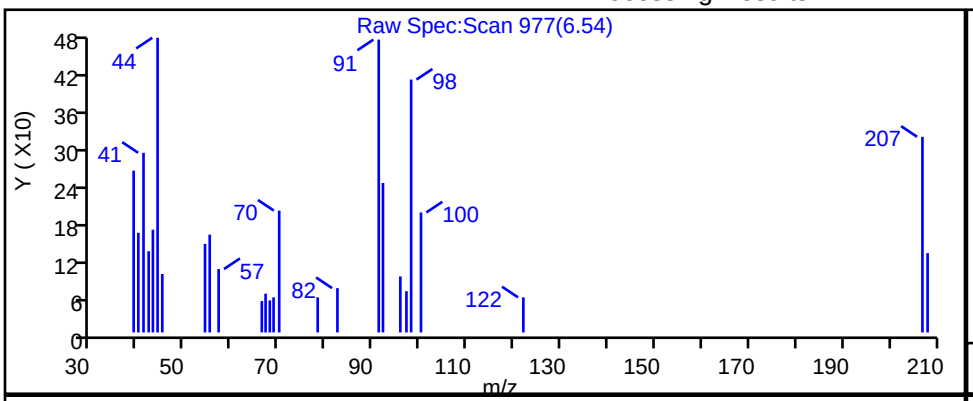
User Disabled Compound Report

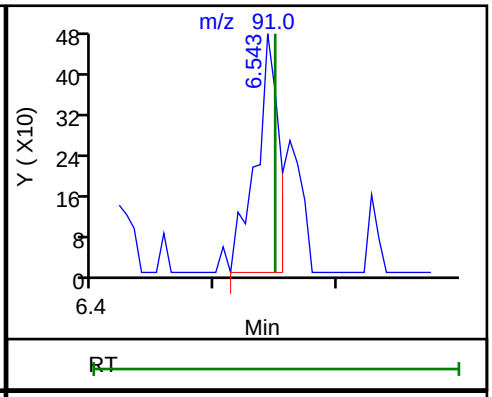
Eurofins TestAmerica, Edison

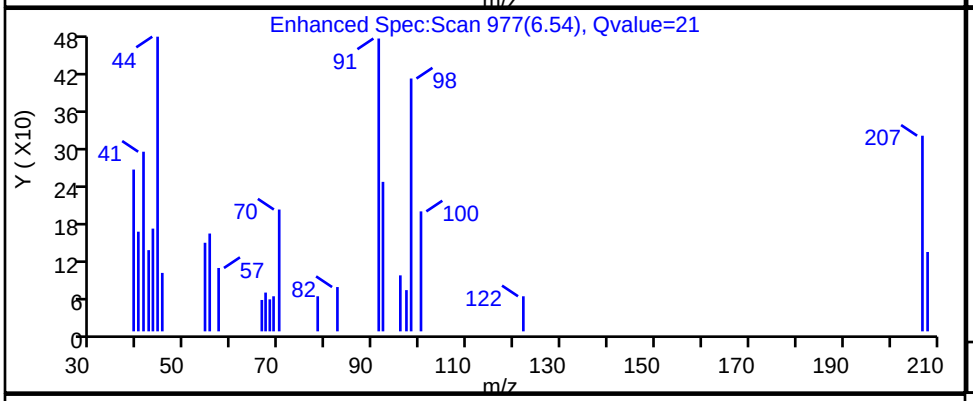
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

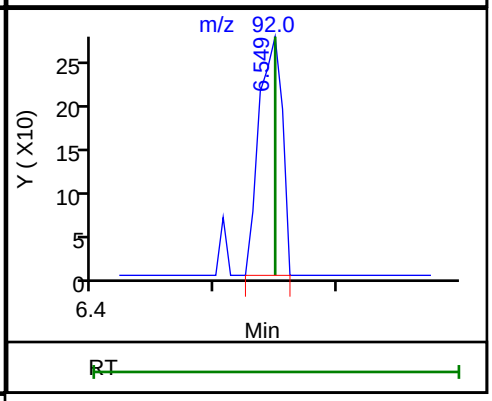
84 Toluene, CAS: 108-88-3

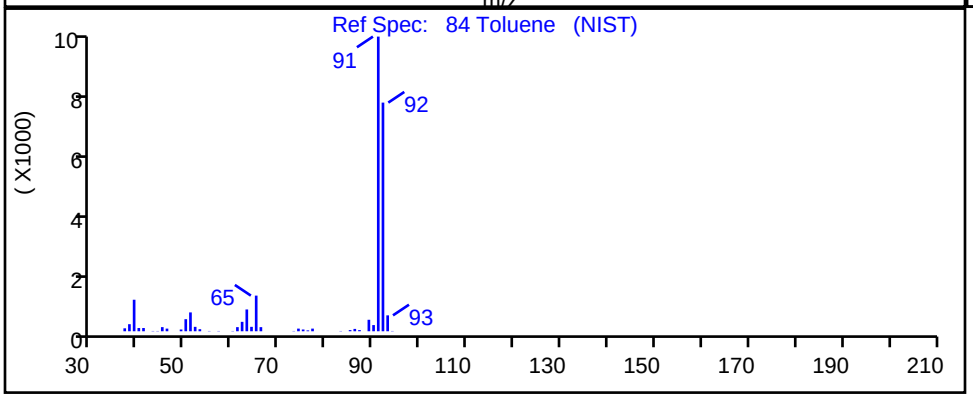
Processing Results











RT	Mass	Response	Amount
6.54	91.00	614	0.044878
6.55	92.00	369	

Reviewer: pakanatir, 21-Dec-2019 14:50:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

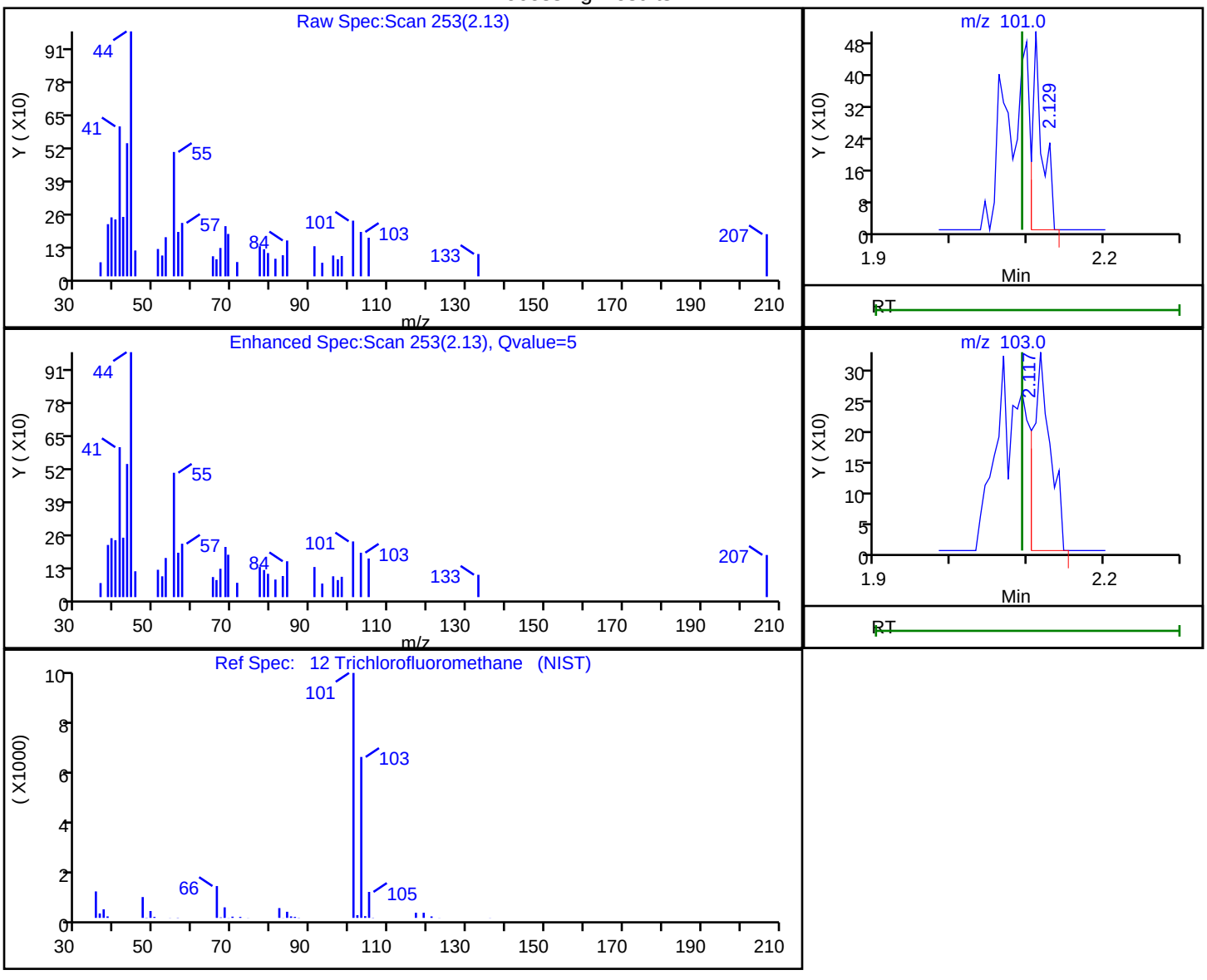
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D		
Injection Date:	21-Dec-2019 10:52:30	Instrument ID:	CVOAMS17
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.13	101.00	451	0.056923
2.12	103.00	503	

Reviewer: pakanatir, 21-Dec-2019 14:49:22

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

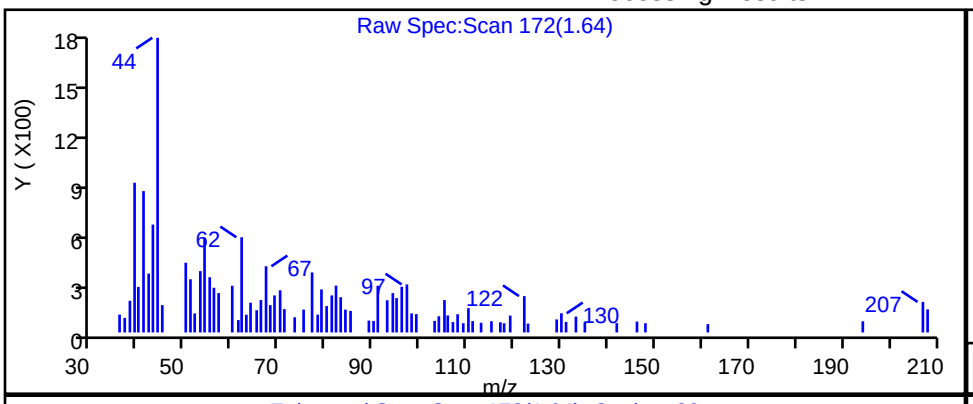
User Disabled Compound Report

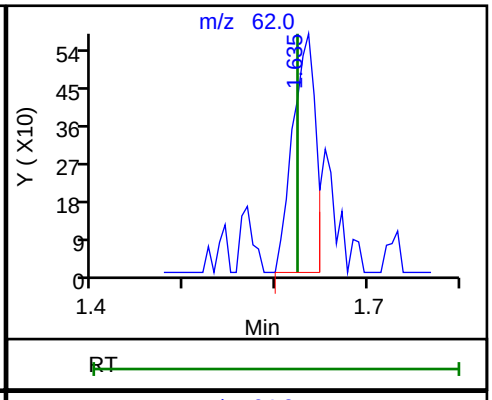
Eurofins TestAmerica, Edison

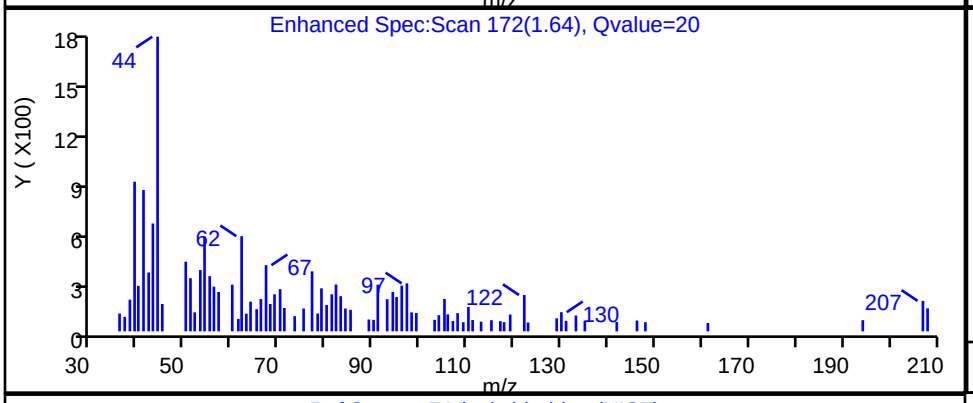
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0989.D
Injection Date: 21-Dec-2019 10:52:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

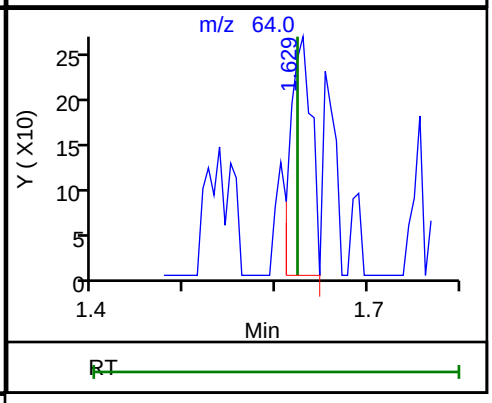
7 Vinyl chloride, CAS: 75-01-4

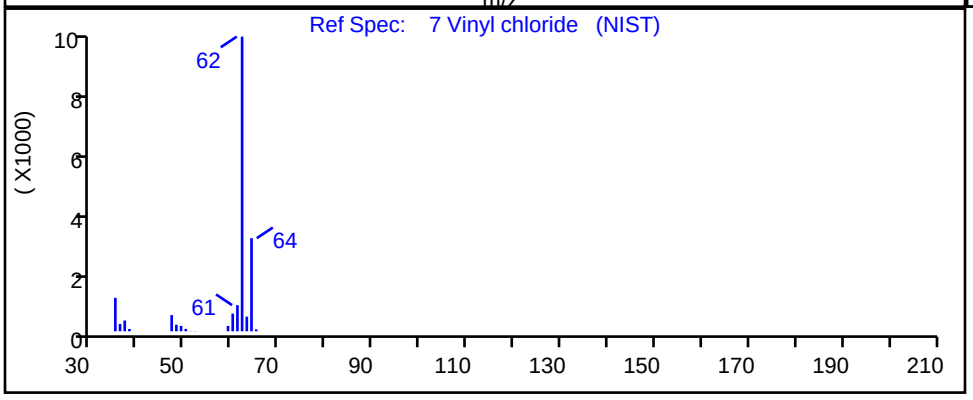
Processing Results











RT	Mass	Response	Amount
1.64	62.00	993	0.215450
1.63	64.00	410	

Reviewer: pakanatir, 21-Dec-2019 14:49:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Dec-2019 11:13:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD05
Misc. Info.: 460-0103229-003
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:28:25 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: pakanatir Date: 21-Dec-2019 14:47:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.269	1.288	-0.019	25	68	0.5000	0.2743	Ma
2 1,1-Difluoroethane	51	1.379	1.373	0.006	54	1348	0.5000	0.4261	M
3 Chlorotrifluoroethene	116	1.373	1.373	0.000	1	568	0.5000	0.3852	Ma
4 Dichlorodifluoromethane	85	1.416	1.398	0.018	51	2356	0.5000	0.3685	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	83	1869	0.5000	0.4028	
6 Chloromethane	50	1.556	1.550	0.006	52	2062	0.5000	0.4876	
7 Vinyl chloride	62	1.635	1.623	0.012	95	2149	0.5000	0.4869	
8 Butadiene	54	1.623	1.623	0.000	66	1886	0.5000	0.5261	
9 Bromomethane	94	1.867	1.867	0.000	49	1642	0.5000	0.5315	M
10 Chloroethane	64	1.916	1.922	-0.006	33	1586	0.5000	0.4726	Ma
11 Dichlorofluoromethane	67	2.086	2.080	0.006	94	3354	0.5000	0.4487	
12 Trichlorofluoromethane	101	2.092	2.093	-0.001	66	2639	0.5000	0.3954	M
13 Pentane	72	2.111	2.099	0.012	96	620	1.00	1.01	M
15 Ethyl ether	74	2.275	2.269	0.006	79	1129	0.5000	0.5534	
14 Ethanol	46	2.312	2.269	0.043	74	148	20.0	9.67	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	89	1212	0.5000	0.4365	
17 1,2-Dichloro-1,1,2-trifluo	117	2.324	2.318	0.006	69	1944	0.5000	0.5276	M
18 1,1,1-Trifluoro-2,2-dichlo	83	2.361	2.373	-0.012	30	3096	0.5000	0.5498	a
19 Acrolein	56	2.409	2.422	-0.013	26	1078	2.00	2.33	a
20 1,1,2-Trichloro-1,2,2-trif	101	2.458	2.434	0.024	51	1358	0.5000	0.3740	
21 1,1-Dichloroethene	96	2.458	2.452	0.006	92	1723	0.5000	0.4689	
22 Acetone	43	2.538	2.532	0.006	66	1959	2.50	2.45	
23 Iodomethane	142	2.611	2.593	0.019	85	3337	0.5000	0.4541	M
25 Isopropyl alcohol	45	2.623	2.617	0.006	33	1076	5.00	6.00	M
24 Carbon disulfide	76	2.617	2.623	-0.006	98	6759	0.5000	0.4845	
26 3-Chloro-1-propene	76	2.739	2.733	0.006	81	1031	0.5000	0.4705	
27 Methyl acetate	43	2.745	2.745	0.000	69	2112	1.00	1.07	
28 Cyclopentene	67	2.757	2.751	0.006	91	4237	0.5000	0.5239	
29 Acetonitrile	40	2.806	2.800	0.006	62	572	5.00	3.15	Ma
* 31 TBA-d9 (IS)	66	2.842	2.842	0.000	100	45738	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	2.855	2.849	0.006	30	2470	0.5000	0.5714	
32 2-Methyl-2-propanol	59	2.934	2.910	0.024	24	1676	5.00	5.35	
33 Methyl tert-butyl ether	73	3.007	2.995	0.012	55	5276	0.5000	0.5631	M
34 trans-1,2-Dichloroethene	96	3.025	3.019	0.006	88	2193	0.5000	0.5640	
35 Acrylonitrile	53	3.092	3.086	0.006	96	5006	5.00	4.81	
36 Hexane	57	3.165	3.159	0.006	73	1552	0.5000	0.3918	
37 Isopropyl ether	45	3.367	3.361	0.006	86	4439	0.5000	0.4996	
38 1,1-Dichloroethane	63	3.379	3.385	-0.006	56	2804	0.5000	0.4677	
39 Vinyl acetate	86	3.391	3.397	-0.006	98	521	1.00	0.8475	M
40 2-Chloro-1,3-butadiene	88	3.434	3.422	0.012	89	1477	0.5000	0.4582	
41 Tert-butyl ethyl ether	59	3.659	3.653	0.006	87	4999	0.5000	0.5177	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	97	222780	250.0	250.0	
43 2,2-Dichloropropane	97	3.860	3.848	0.012	48	672	0.5000	0.5077	M
44 cis-1,2-Dichloroethene	96	3.860	3.861	-0.001	91	2239	0.5000	0.5293	
45 2-Butanone (MEK)	72	3.891	3.885	0.006	77	748	2.50	2.32	
46 Ethyl acetate	70	3.921	3.891	0.030	14	642	1.00	0.9457	a
47 Methyl acrylate	55	3.940	3.940	0.000	33	1512	0.5000	0.5996	
48 Propionitrile	54	4.013	4.007	0.006	79	1940	5.00	4.85	M
49 Chlorobromomethane	128	4.080	4.074	0.006	72	997	0.5000	0.4707	
50 Tetrahydrofuran	72	4.098	4.080	0.018	32	503	1.00	1.28	
51 Methacrylonitrile	67	4.110	4.104	0.006	89	5623	5.00	4.70	
52 Chloroform	83	4.129	4.123	0.006	95	3275	0.5000	0.5268	
53 Cyclohexane	84	4.251	4.251	0.000	31	2441	0.5000	0.4551	
54 1,1,1-Trichloroethane	97	4.269	4.263	0.006	35	2765	0.5000	0.4855	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	96	155991	50.0	51.2	
56 Carbon tetrachloride	117	4.373	4.373	0.000	89	2608	0.5000	0.5178	
57 1,1-Dichloropropene	75	4.403	4.397	0.006	93	2145	0.5000	0.4802	
58 Isobutyl alcohol	43	4.543	4.531	0.012	67	2026	12.5	10.7	
59 Isooctane	57	4.574	4.568	0.006	99	3674	0.5000	0.5071	a
60 Benzene	78	4.586	4.586	0.000	91	6381	0.5000	0.5189	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	97	167761	50.0	49.6	
62 Tert-amyl methyl ether	73	4.665	4.653	0.012	85	4914	0.5000	0.4667	
63 Isopropyl acetate	61	4.665	4.665	0.000	72	973	0.5000	0.5961	
64 1,2-Dichloroethane	62	4.671	4.677	-0.006	66	2495	0.5000	0.5479	
65 n-Heptane	100	4.738	4.738	0.000	79	281	0.5000	0.3809	
* 66 Fluorobenzene	96	4.866	4.860	0.006	99	570493	50.0	50.0	
67 n-Butanol	56	5.183	5.165	0.018	23	1185	12.5	14.2	M
68 Trichloroethene	95	5.202	5.196	0.006	94	1447	0.5000	0.4249	
69 Methylcyclohexane	83	5.317	5.318	-0.001	88	2685	0.5000	0.4496	
70 Ethyl acrylate	99	5.317	5.330	-0.013	85	185	0.5000	0.3937	M
71 1,2-Dichloropropane	63	5.476	5.476	0.000	87	1403	0.5000	0.4745	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	86	29660	1000.0	1000.0	
73 Methyl methacrylate	100	5.574	5.568	0.006	83	915	1.00	1.07	
75 1,4-Dioxane	88	5.592	5.592	0.000	42	673	25.0	19.1	
74 Dibromomethane	93	5.604	5.598	0.006	93	1174	0.5000	0.5512	
76 n-Propyl acetate	43	5.622	5.622	0.000	29	1234	0.5000	0.3895	a
77 Dichlorobromomethane	83	5.744	5.750	-0.006	94	2219	0.5000	0.5080	
78 2-Nitropropane	41	6.086	6.086	0.000	82	952	1.00	1.16	M
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	50	733	0.5012	0.4048	
80 Epichlorohydrin	57	6.189	6.183	0.006	95	2687	10.0	9.82	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	86	2157	0.5000	0.4461	
82 4-Methyl-2-pentanone (MIBK	43	6.415	6.409	0.006	94	4832	2.50	2.14	

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	6.476	6.476	0.000	100	524971	50.0	51.4	
84 Toluene	91	6.555	6.549	0.006	93	6346	0.5000	0.5033	
85 trans-1,3-Dichloropropene	75	6.890	6.897	-0.007	88	2237	0.5000	0.4906	
86 Ethyl methacrylate	69	6.945	6.939	0.006	87	1898	0.5000	0.5020	
87 1,1,2-Trichloroethane	83	7.116	7.104	0.012	85	1177	0.5000	0.5242	
88 Tetrachloroethene	166	7.140	7.134	0.006	85	1624	0.5000	0.5145	
89 1,3-Dichloropropane	76	7.305	7.311	-0.006	88	2153	0.5000	0.4834	
90 2-Hexanone	43	7.396	7.384	0.012	91	3355	2.50	2.33	
91 n-Butyl acetate	43	7.512	7.506	0.006	98	1941	0.5000	0.5495	
92 Chlorodibromomethane	129	7.524	7.531	-0.007	92	1511	0.5000	0.4896	
93 Ethylene Dibromide	107	7.683	7.671	0.012	94	1304	0.5000	0.4718	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	85	397028	50.0	50.0	
95 Chlorobenzene	112	8.250	8.250	0.000	95	4116	0.5000	0.4854	
96 Ethylbenzene	106	8.366	8.366	0.000	98	2432	0.5000	0.5305	
97 1,1,1,2-Tetrachloroethane	131	8.384	8.378	0.006	51	1636	0.5000	0.4786	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	2761	0.5000	0.4828	
99 o-Xylene	106	9.042	9.036	0.006	93	3070	0.5000	0.5086	
100 n-Butyl acrylate	73	9.055	9.055	0.000	80	1351	0.5000	0.5433	
101 Styrene	104	9.073	9.079	-0.006	96	4707	0.5000	0.5185	
102 Bromoform	173	9.323	9.323	0.000	81	974	0.5000	0.4850	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	92	2422	0.5000	0.4731	
104 Isopropylbenzene	105	9.487	9.488	-0.001	95	7726	0.5000	0.5079	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	161287	50.0	51.2	
106 Bromobenzene	156	9.853	9.859	-0.006	92	1595	0.5000	0.4037	
107 1,1,2,2-Tetrachloroethane	83	9.932	9.933	-0.001	95	1580	0.5000	0.4229	
108 N-Propylbenzene	91	9.957	9.957	0.000	98	8964	0.5000	0.4990	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	68	495	0.5000	0.4336	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	33	425	0.5000	0.4473	a
111 2-Chlorotoluene	91	10.067	10.061	0.006	95	6040	0.5000	0.4699	
112 4-Ethyltoluene	105	10.091	10.085	0.006	97	7452	0.5000	0.4754	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	6287	0.5000	0.4605	
114 4-Chlorotoluene	91	10.195	10.195	0.000	98	6381	0.5000	0.5081	
115 Butyl Methacrylate	87	10.292	10.298	-0.006	86	2162	0.5000	0.4367	
116 tert-Butylbenzene	119	10.475	10.475	0.000	88	4951	0.5000	0.4462	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	96	7260	0.5000	0.5070	
118 sec-Butylbenzene	105	10.701	10.695	0.006	99	7775	0.5000	0.4644	
119 1,3-Dichlorobenzene	146	10.822	10.823	-0.001	93	3698	0.5000	0.4953	
120 4-Isopropyltoluene	119	10.841	10.841	0.000	98	7351	0.5000	0.4993	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	224340	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	86	3535	0.5000	0.4825	a
123 1,2,3-Trimethylbenzene	105	10.951	10.951	-0.001	98	6697	0.5000	0.4443	
124 Benzyl chloride	91	11.066	11.066	0.000	96	2863	0.5000	0.3055	
125 2,3-Dihydroindene	117	11.127	11.121	0.006	93	6109	0.5000	0.4392	
126 p-Diethylbenzene	119	11.200	11.201	-0.001	94	4138	0.5000	0.4865	
127 n-Butylbenzene	92	11.219	11.219	0.000	96	3765	0.5000	0.5155	
128 1,2-Dichlorobenzene	146	11.255	11.262	-0.007	96	3920	0.5000	0.5218	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	95	6895	0.5000	0.4263	
130 1,2-Dibromo-3-Chloropropan	157	11.950	11.957	-0.007	19	402	0.5000	0.4158	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	94	2990	0.5000	0.4647	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	93	3147	0.5000	0.4955	
133 Hexachlorobutadiene	225	12.664	12.670	-0.006	89	1116	0.5000	0.4760	
134 Naphthalene	128	12.767	12.767	0.000	98	7069	0.5000	0.4375	

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	12.950	12.950	0.000	94	3090	0.5000	0.4936	
S 136 1,2-Dichloroethene, Total	100				0		1.00	1.09	
S 137 Xylenes, Total	100				0		1.00	0.99	
S 138 Total 1,2-dichloroethene	1				0			1.09	
S 139 1,3-Dichloropropene, Total	1				0		1.00	0.9367	
S 140 Total BTEX	1				0		2.50	2.54	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	5.00	Units: uL	
GASES Li_00346	Amount Added:	5.00	Units: uL	
ACROLEIN W_00100	Amount Added:	2.00	Units: uL	
524freon_00016	Amount Added:	5.00	Units: uL	
14DIOXINTER_00109	Amount Added:	15.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:28:26 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D

Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17

Lims ID: STD05

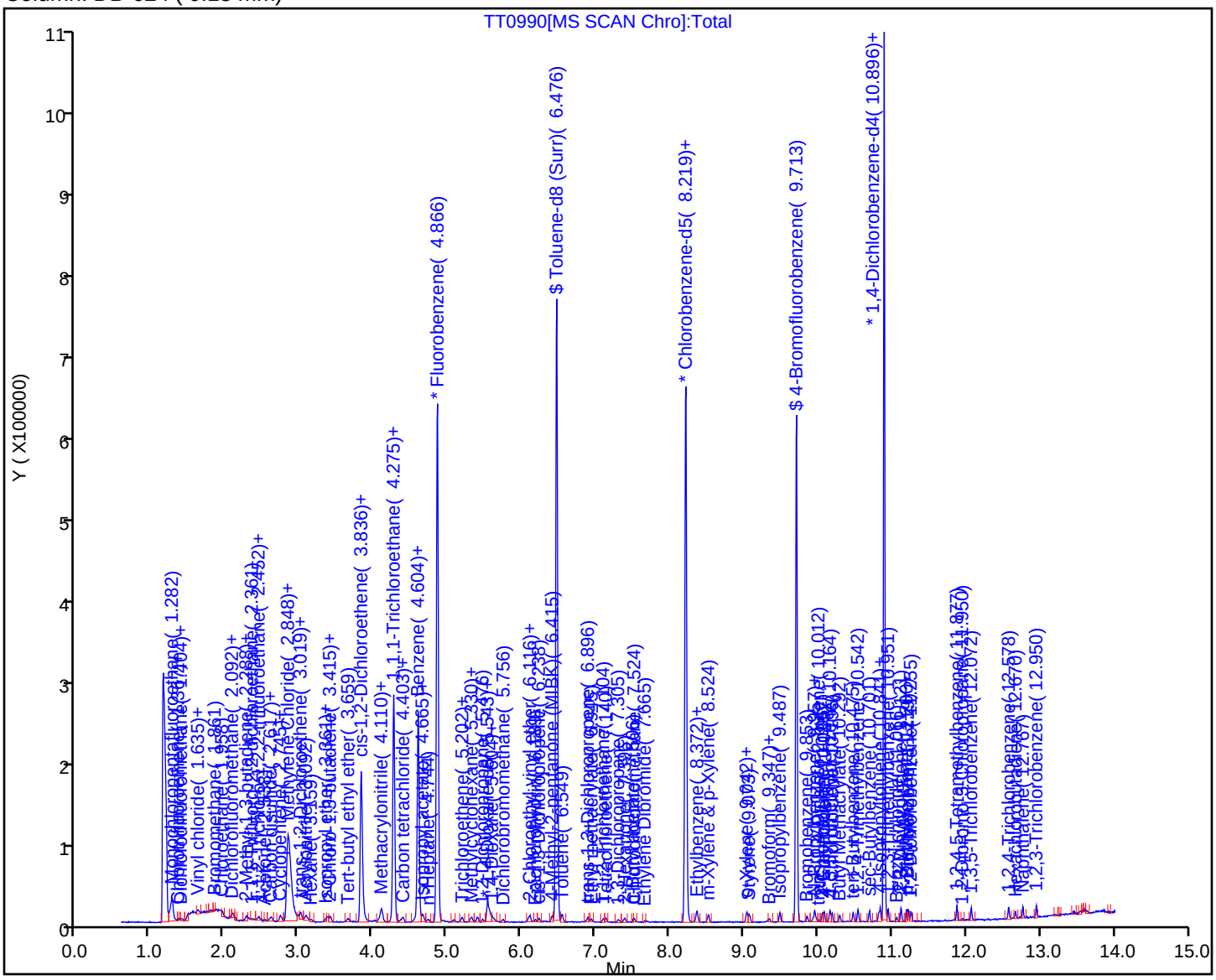
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

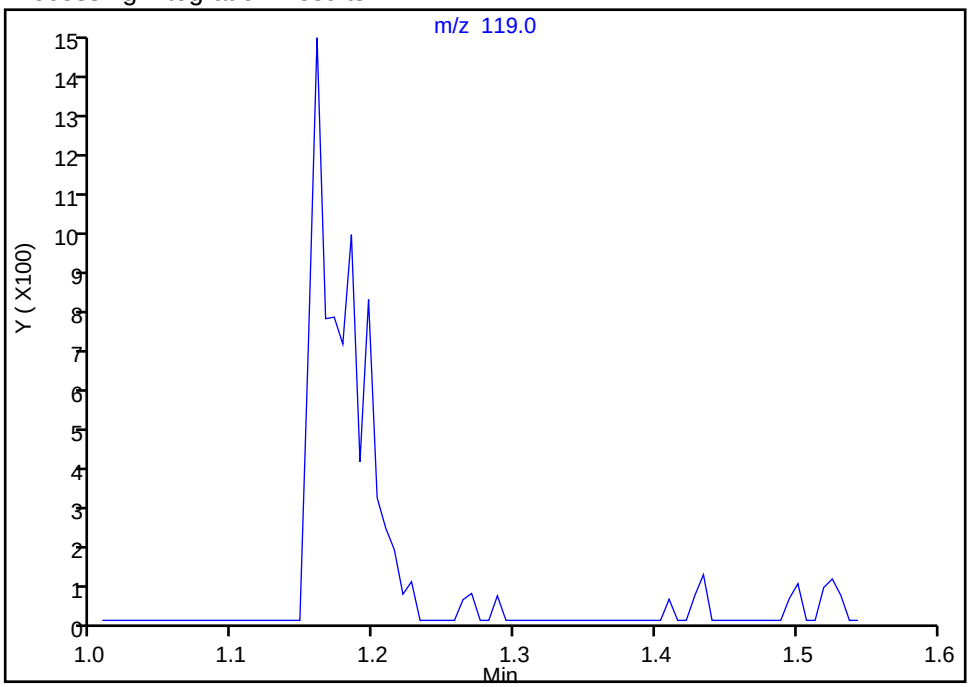
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

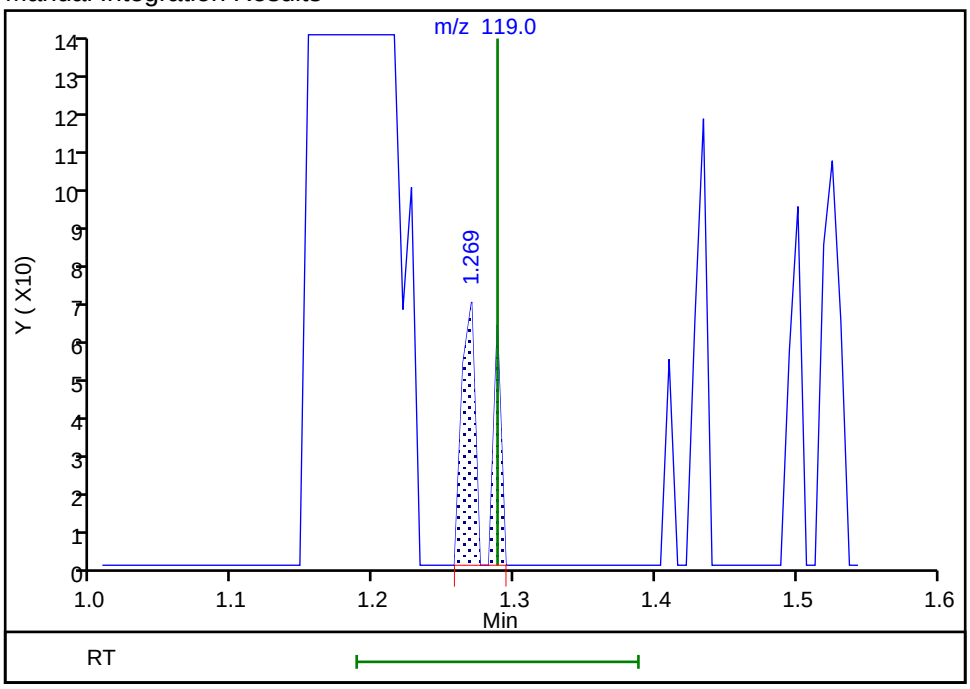
Not Detected
Expected RT: 1.29

Processing Integration Results



Manual Integration Results

RT: 1.27
Area: 68
Amount: 0.274349
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:38:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

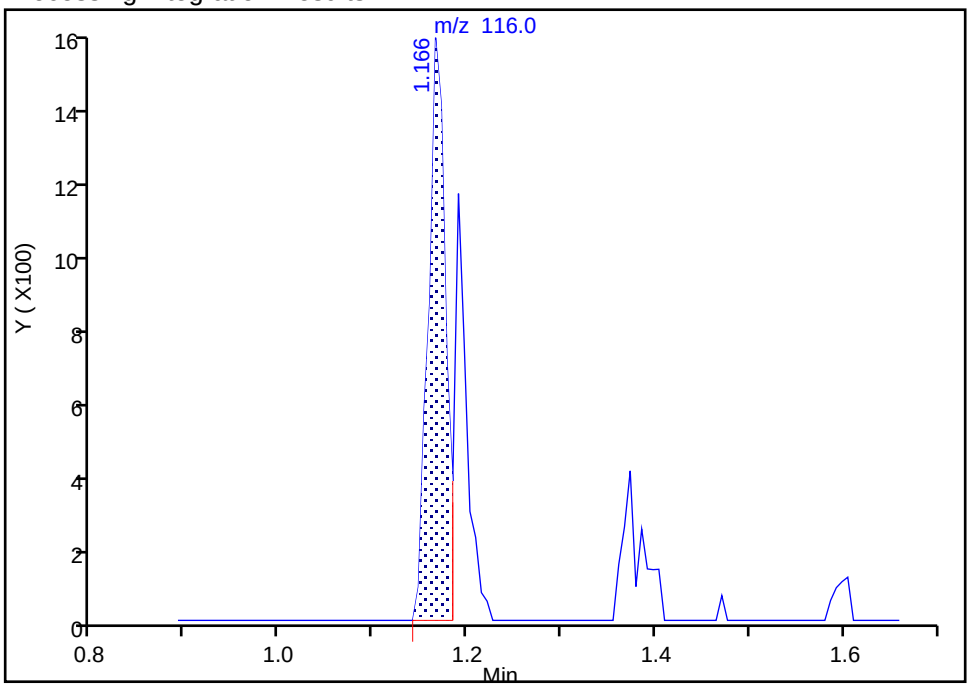
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

3 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

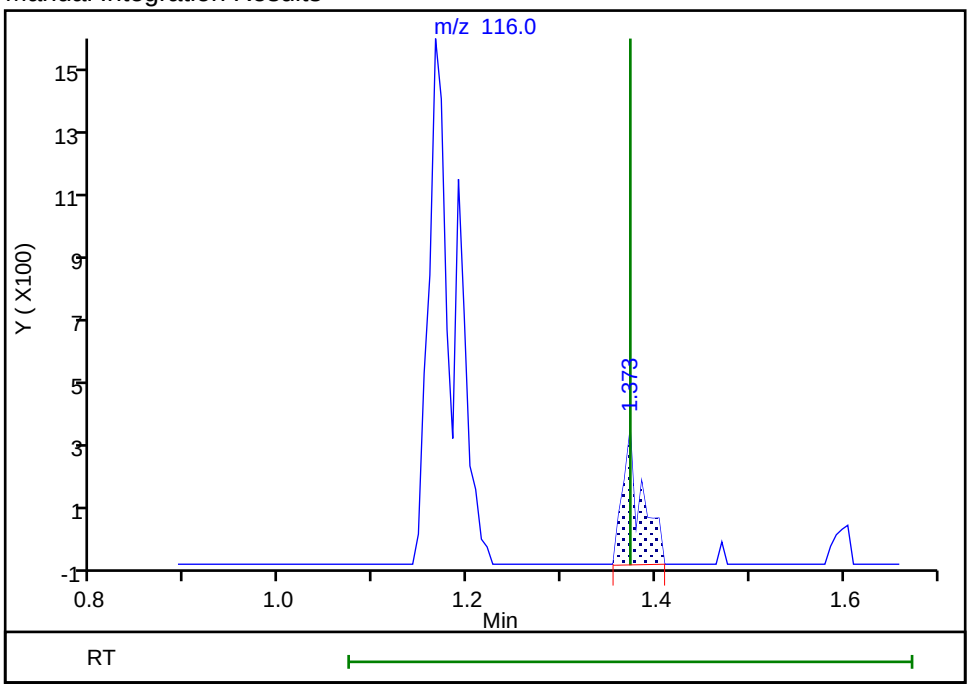
Processing Integration Results

RT: 1.17
Area: 2009
Amount: 1.531302
Amount Units: ug/l



Manual Integration Results

RT: 1.37
Area: 568
Amount: 0.385206
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:56:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

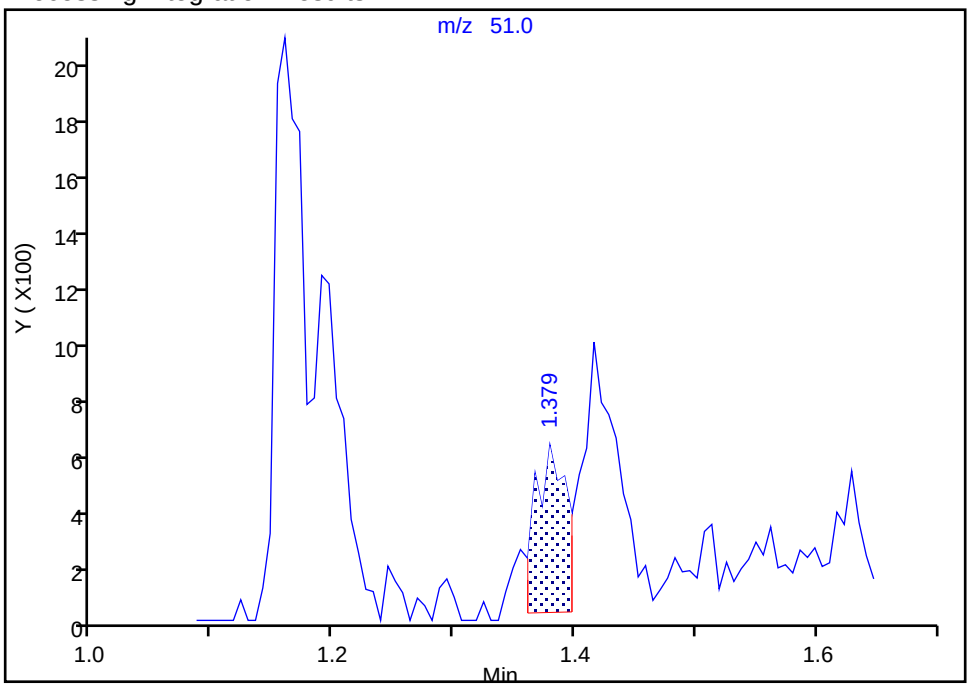
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

2 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

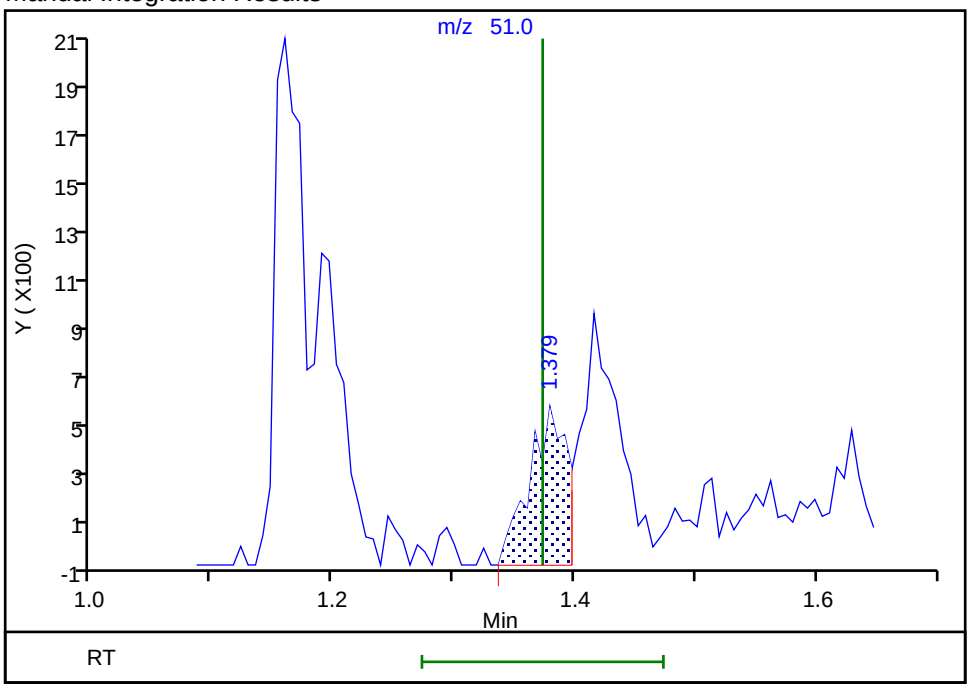
Processing Integration Results

RT: 1.38
Area: 1075
Amount: 0.348416
Amount Units: ug/l



Manual Integration Results

RT: 1.38
Area: 1348
Amount: 0.426125
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:34:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

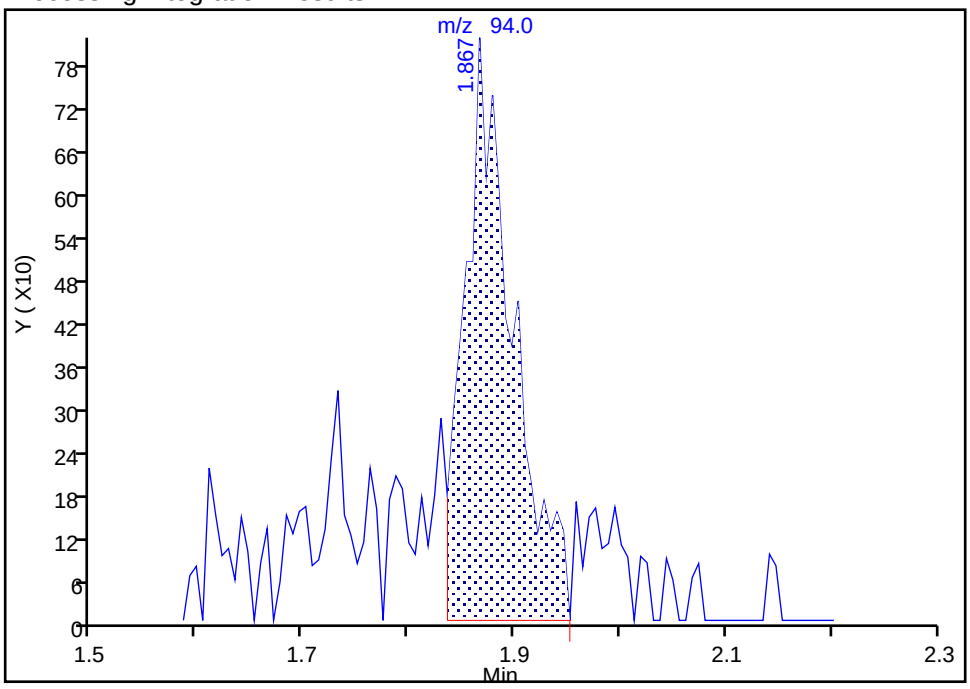
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

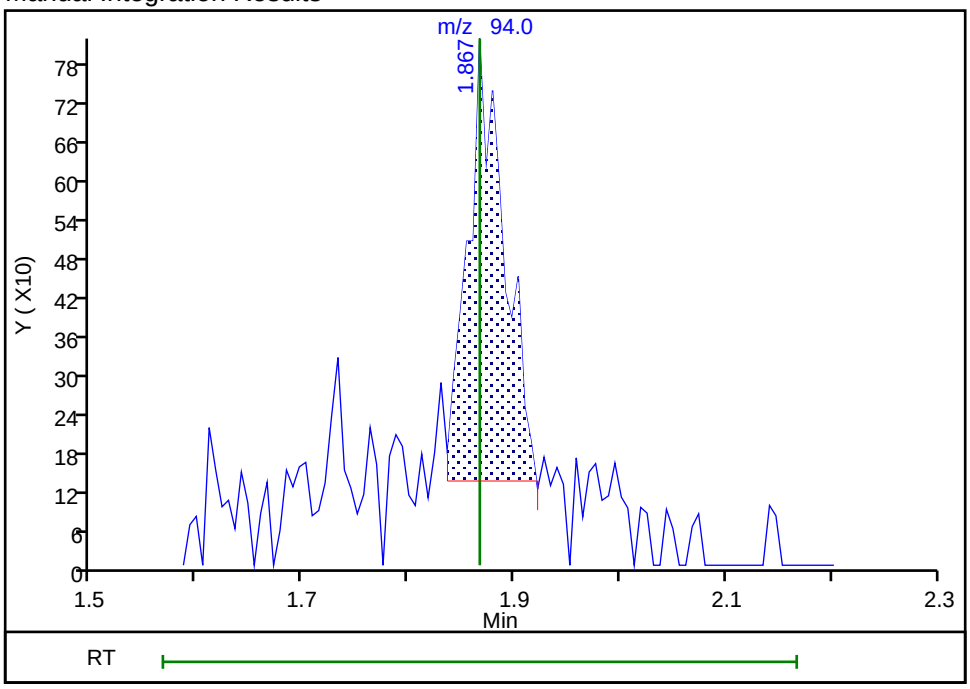
Processing Integration Results

RT: 1.87
Area: 2569
Amount: 0.770735
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 1642
Amount: 0.531459
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:57:49
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

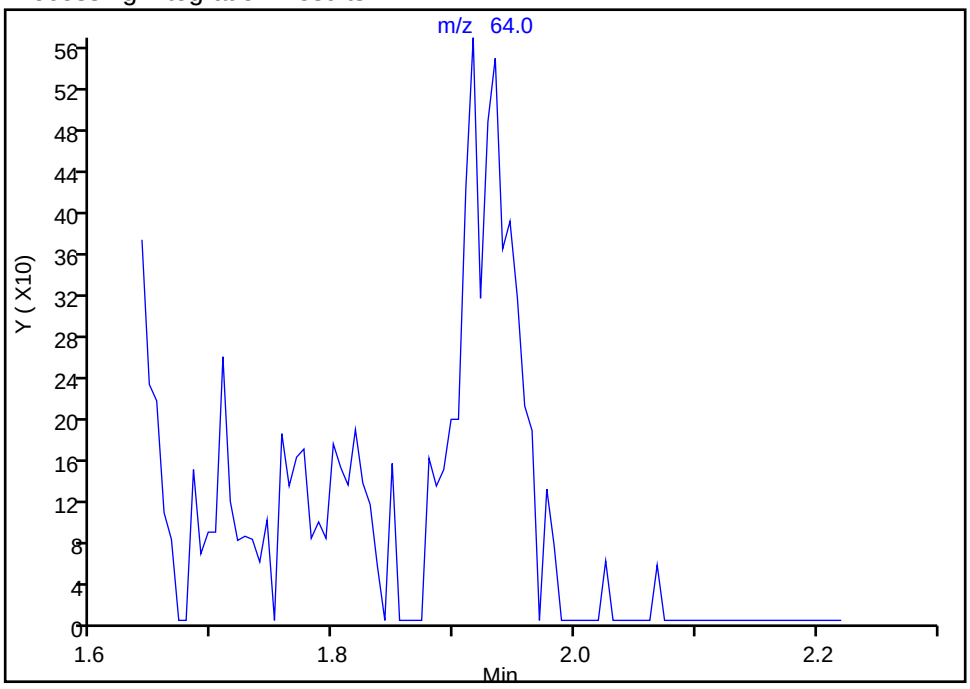
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

10 Chloroethane, CAS: 75-00-3

Signal: 1

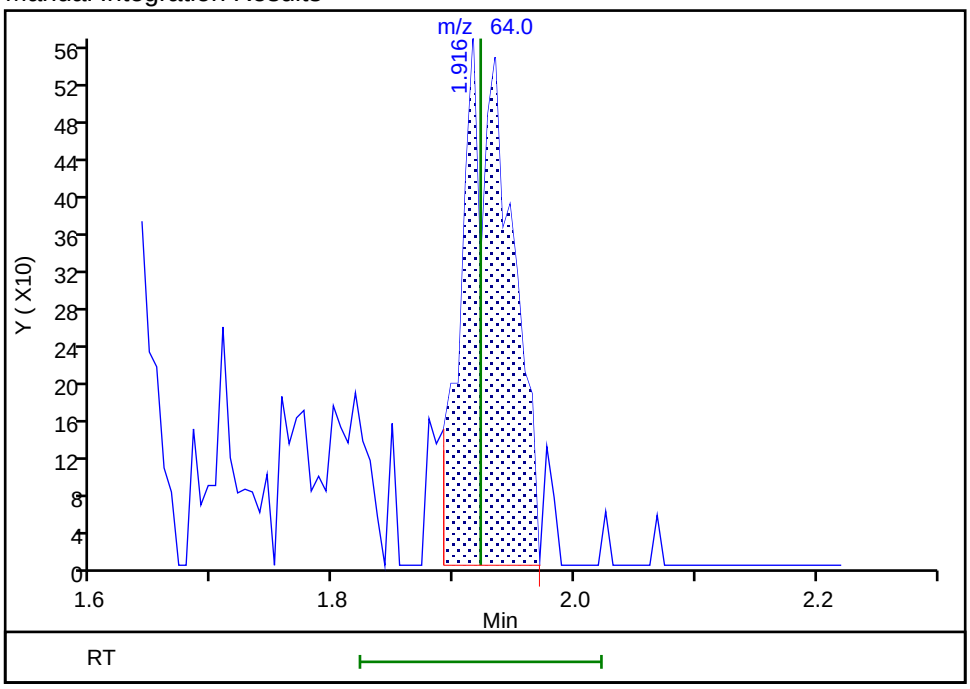
Not Detected
Expected RT: 1.92

Processing Integration Results



Manual Integration Results

RT: 1.92
Area: 1586
Amount: 0.472603
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:58:51
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

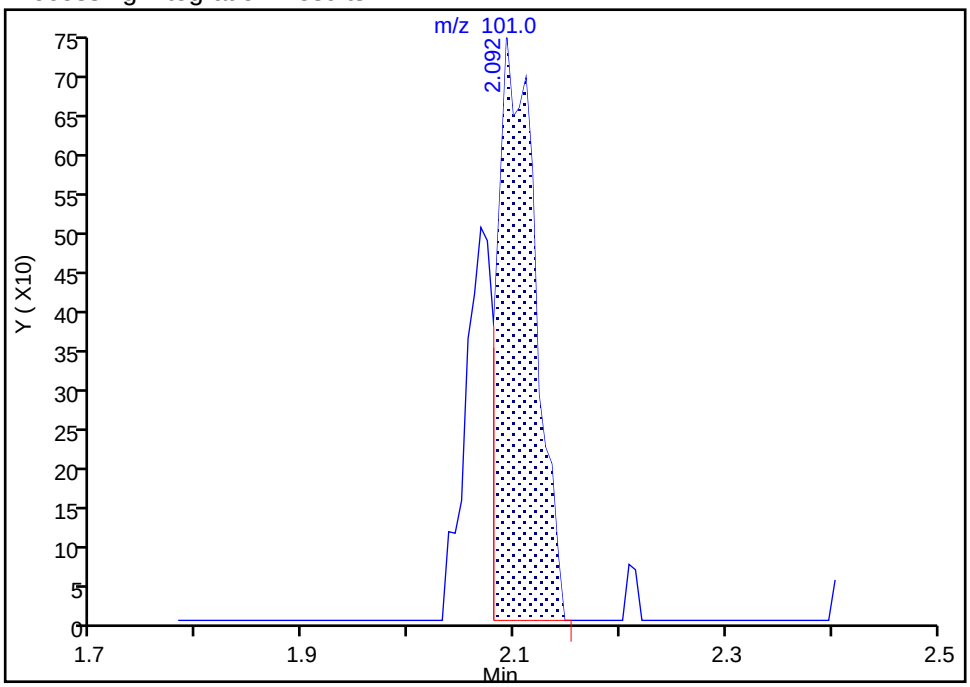
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

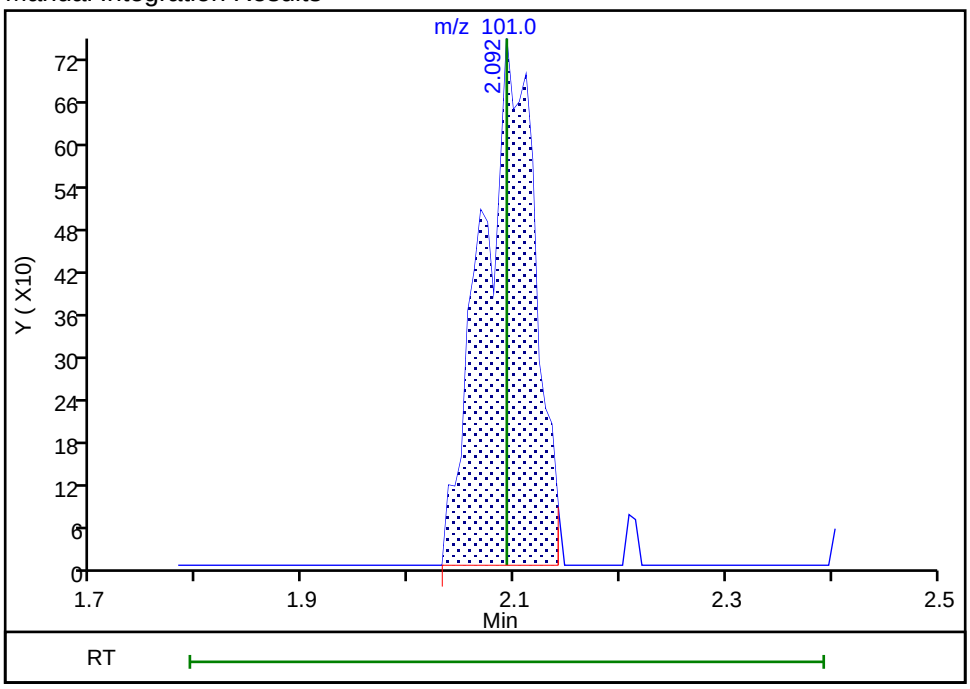
Processing Integration Results

RT: 2.09
Area: 1851
Amount: 0.248810
Amount Units: ug/l



Manual Integration Results

RT: 2.09
Area: 2639
Amount: 0.395422
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:39:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

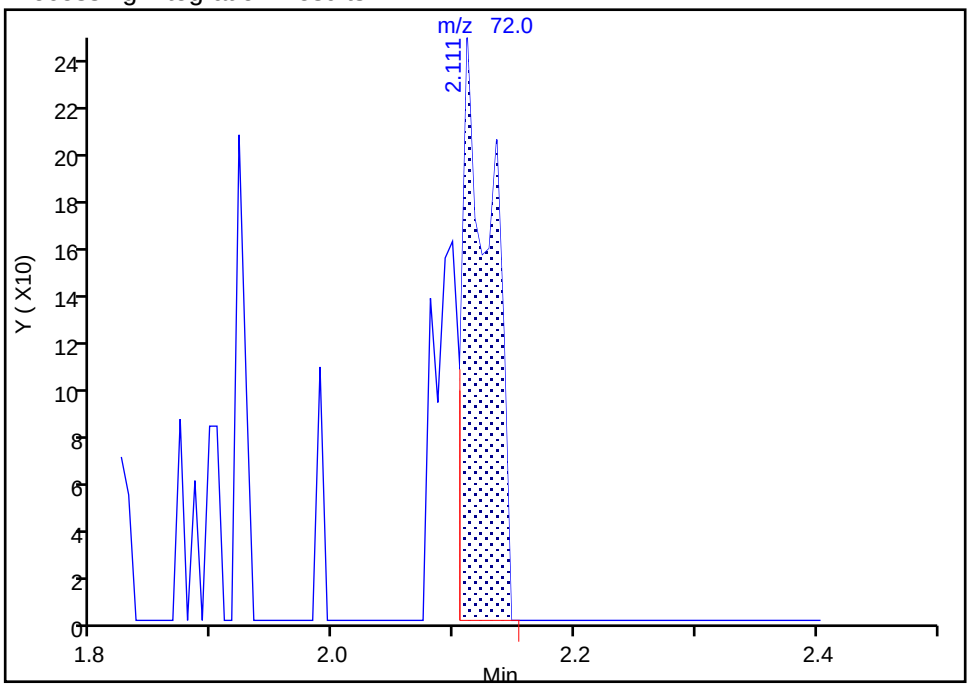
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Signal: 1

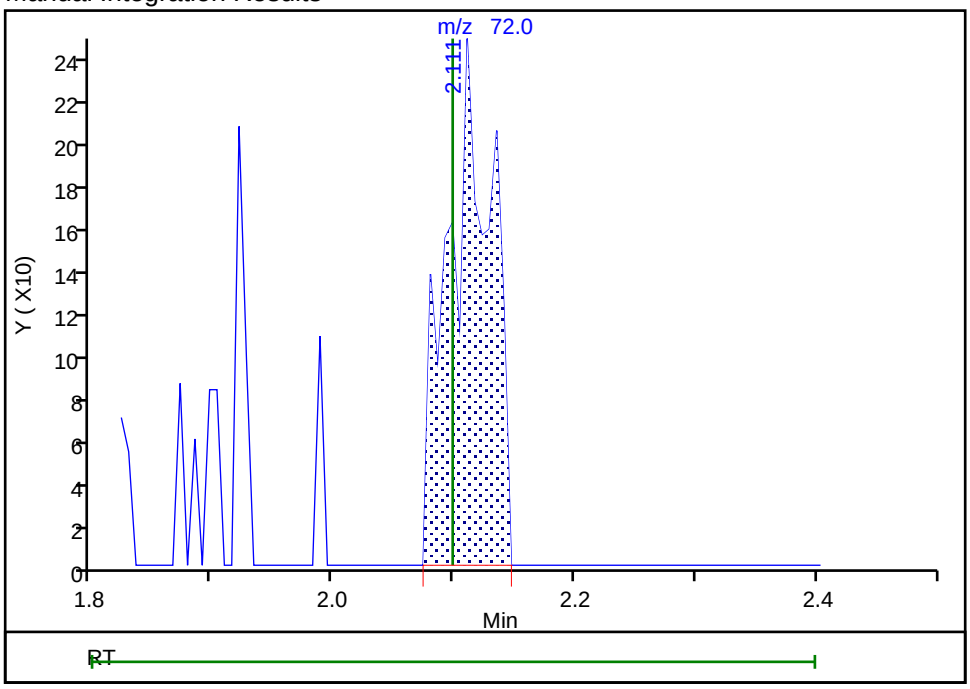
Processing Integration Results

RT: 2.11
Area: 422
Amount: 0.724259
Amount Units: ug/l



Manual Integration Results

RT: 2.11
Area: 620
Amount: 1.014813
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:39:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

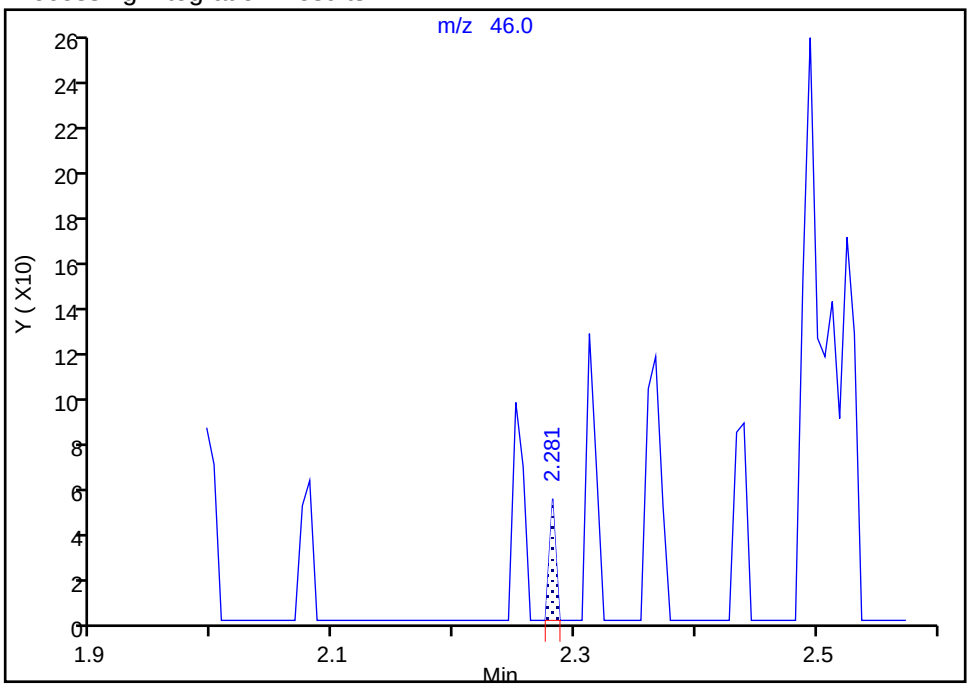
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

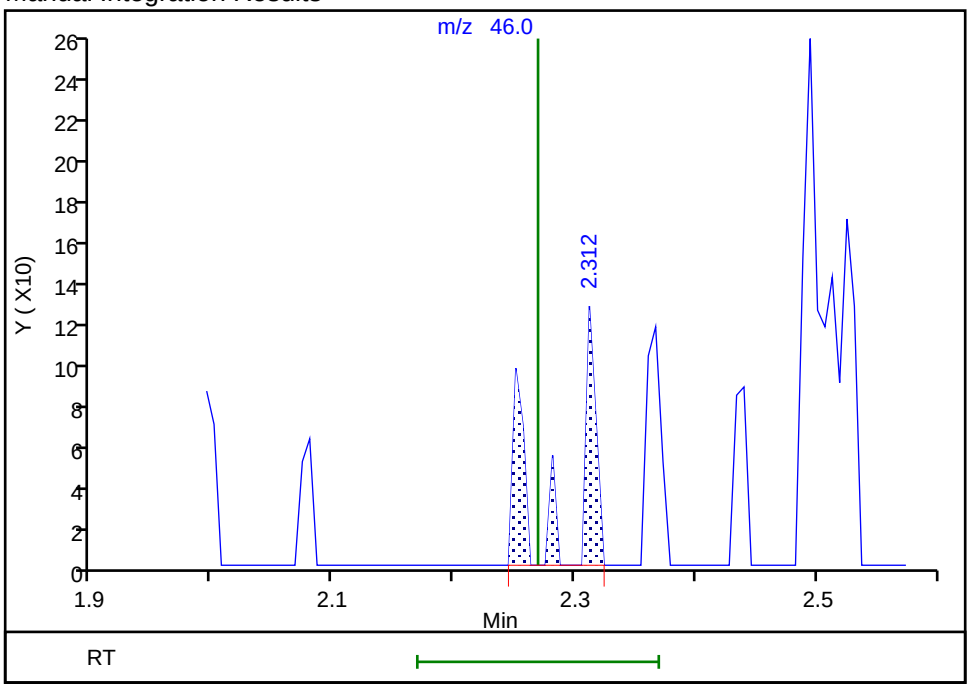
Processing Integration Results

RT: 2.28
Area: 19
Amount: 1.310203
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 148
Amount: 9.674256
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:40:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

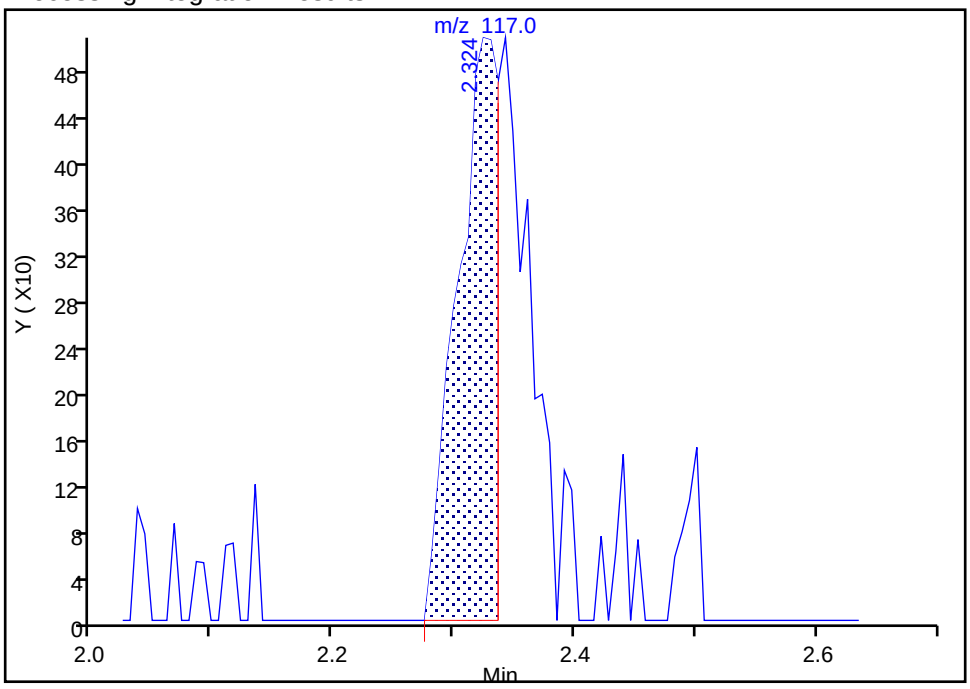
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

17 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

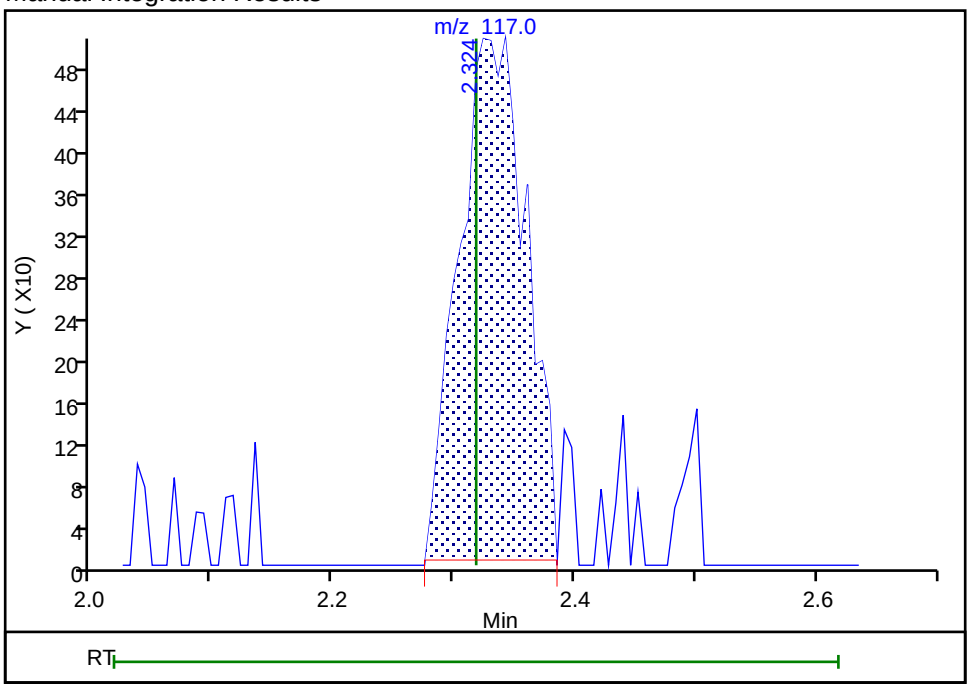
Processing Integration Results

RT: 2.32
Area: 1197
Amount: 0.344812
Amount Units: ug/l



Manual Integration Results

RT: 2.32
Area: 1944
Amount: 0.527560
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:40:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

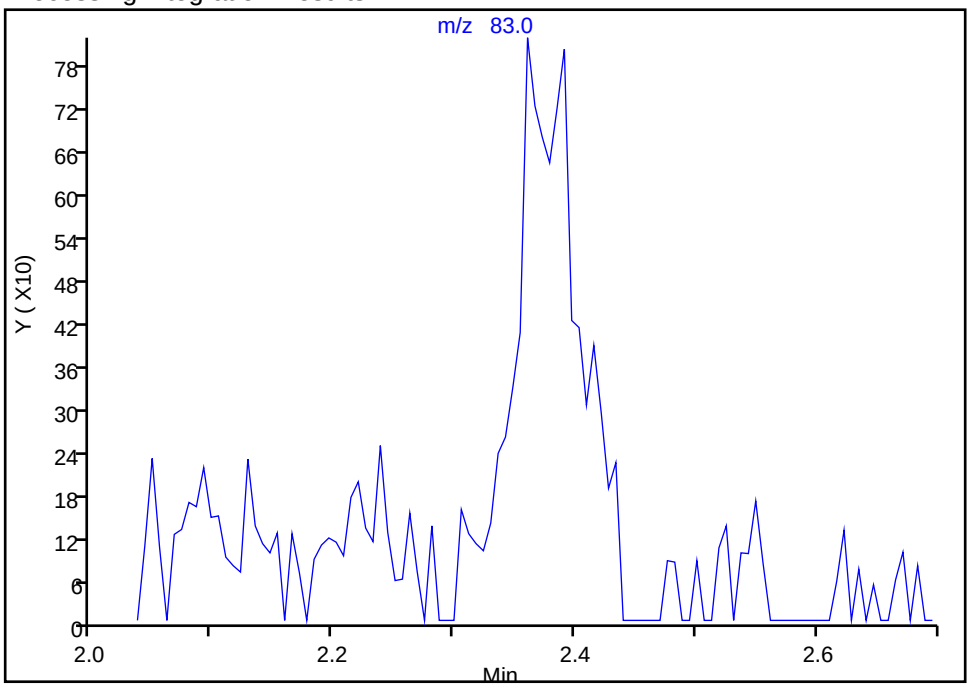
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

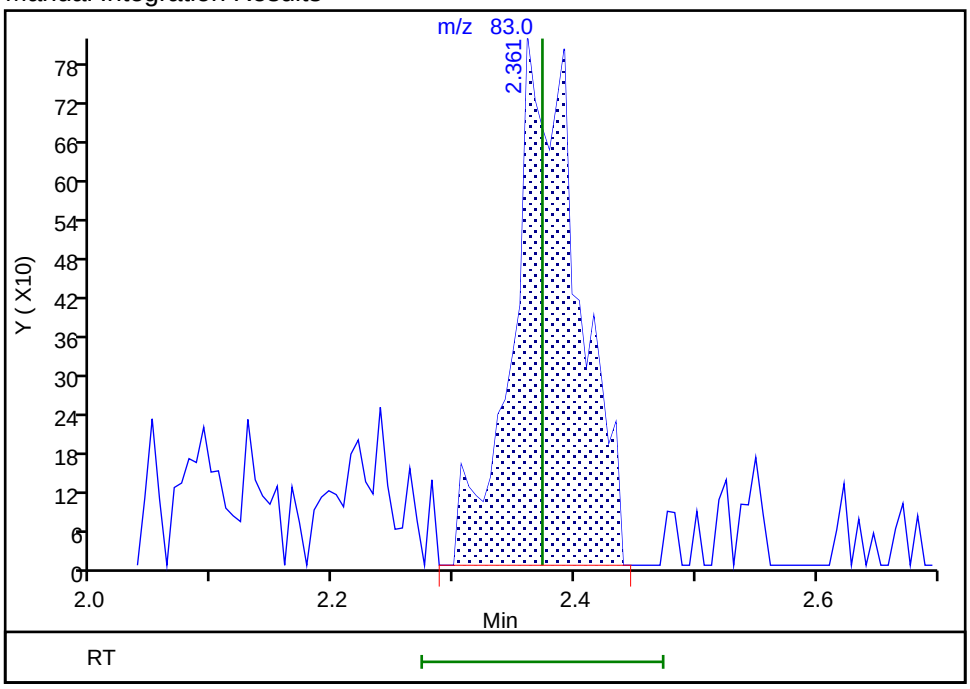
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.36
Area: 3096
Amount: 0.549791
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:40:35
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

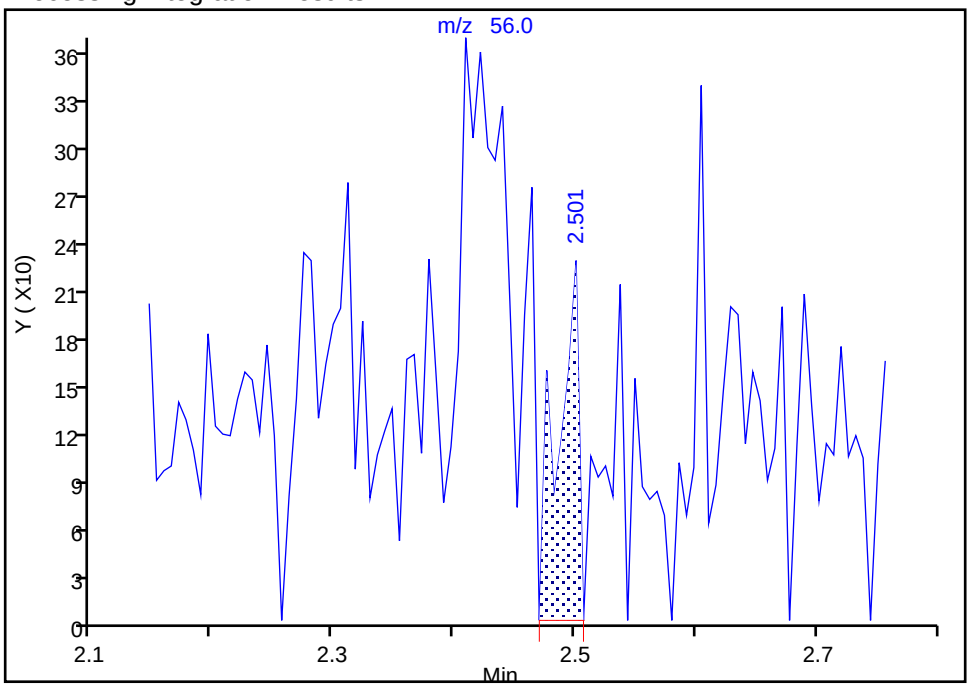
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

19 Acrolein, CAS: 107-02-8

Signal: 1

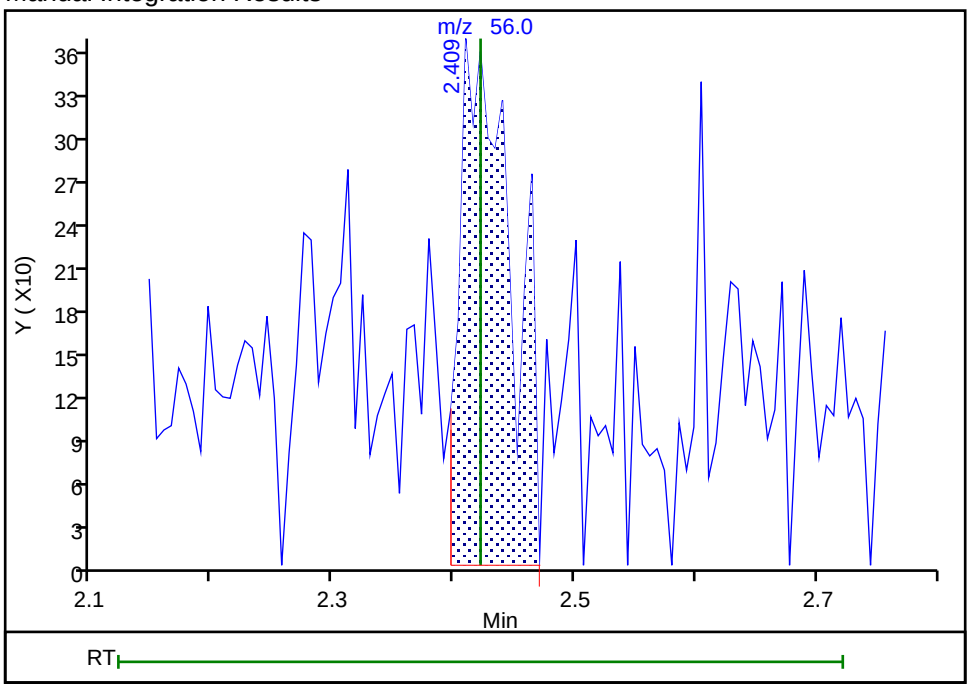
Processing Integration Results

RT: 2.50
Area: 268
Amount: 0.571871
Amount Units: ug/l



Manual Integration Results

RT: 2.41
Area: 1078
Amount: 2.330129
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:40:44
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

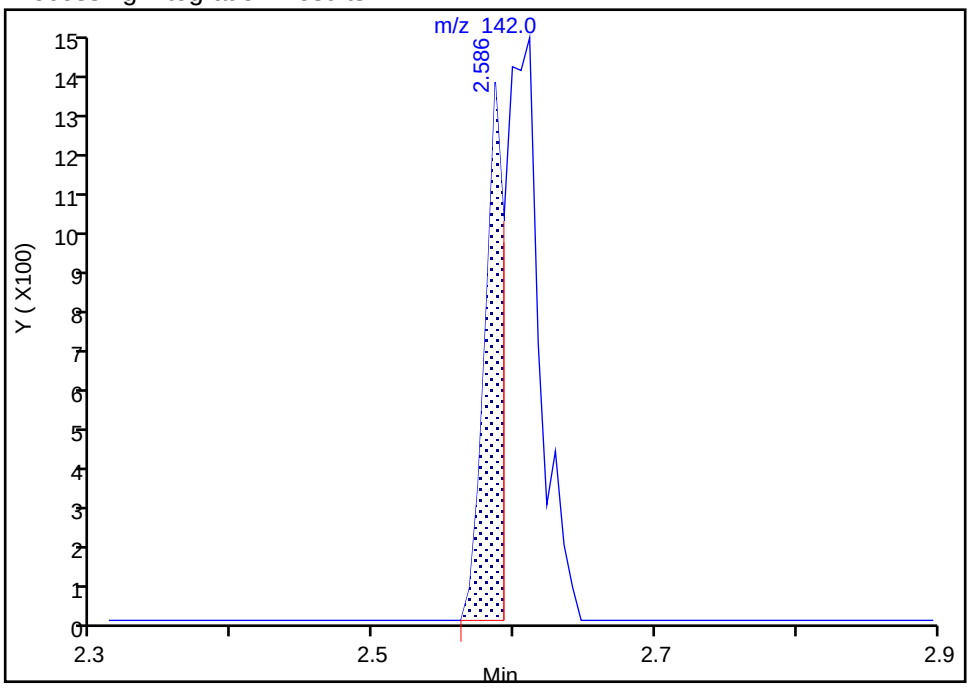
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

23 Iodomethane, CAS: 74-88-4

Signal: 1

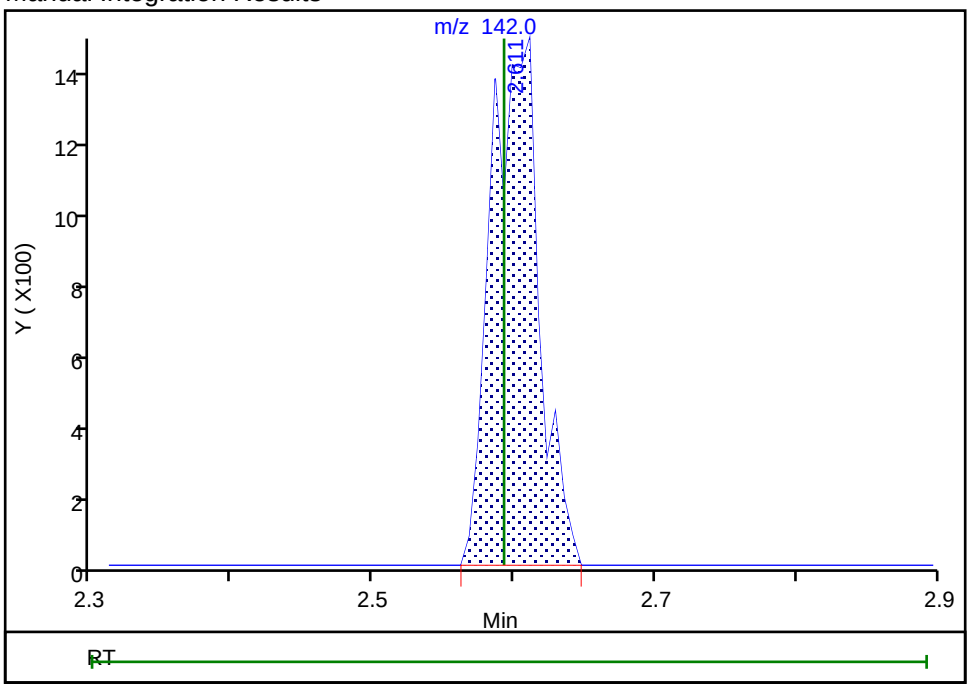
Processing Integration Results

RT: 2.59
Area: 1258
Amount: 0.159350
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 3337
Amount: 0.454097
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:41:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

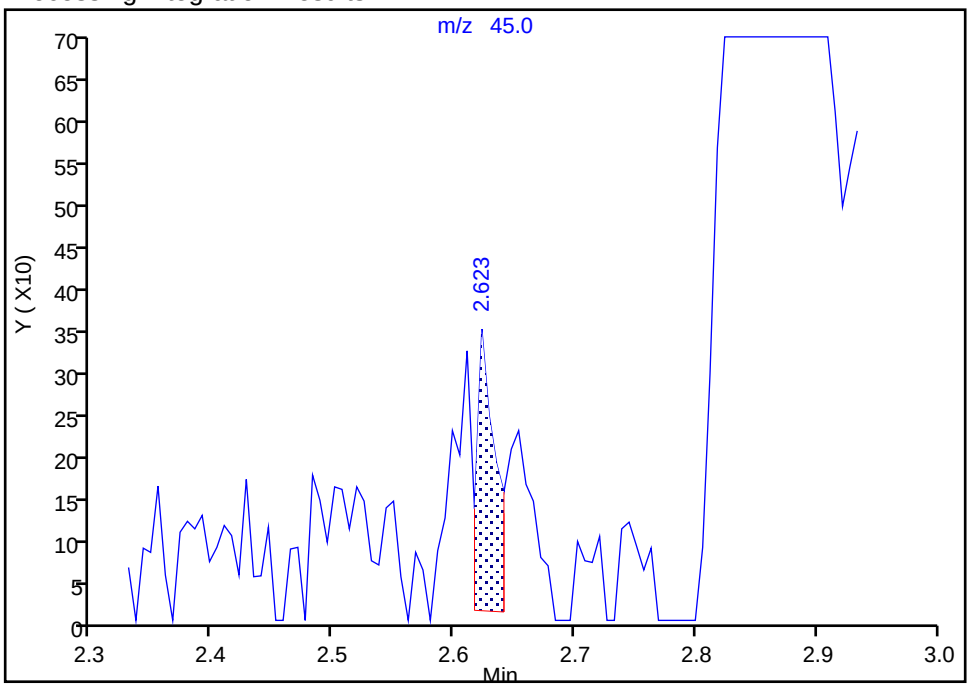
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

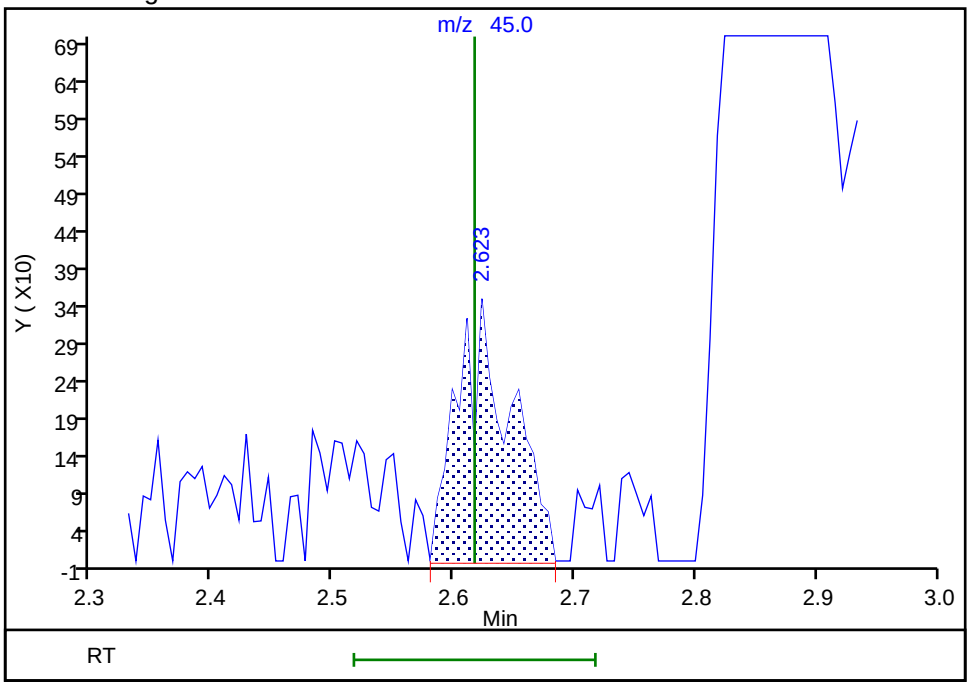
Processing Integration Results

RT: 2.62
Area: 369
Amount: 1.751835
Amount Units: ug/l



Manual Integration Results

RT: 2.62
Area: 1076
Amount: 5.995611
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:41:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

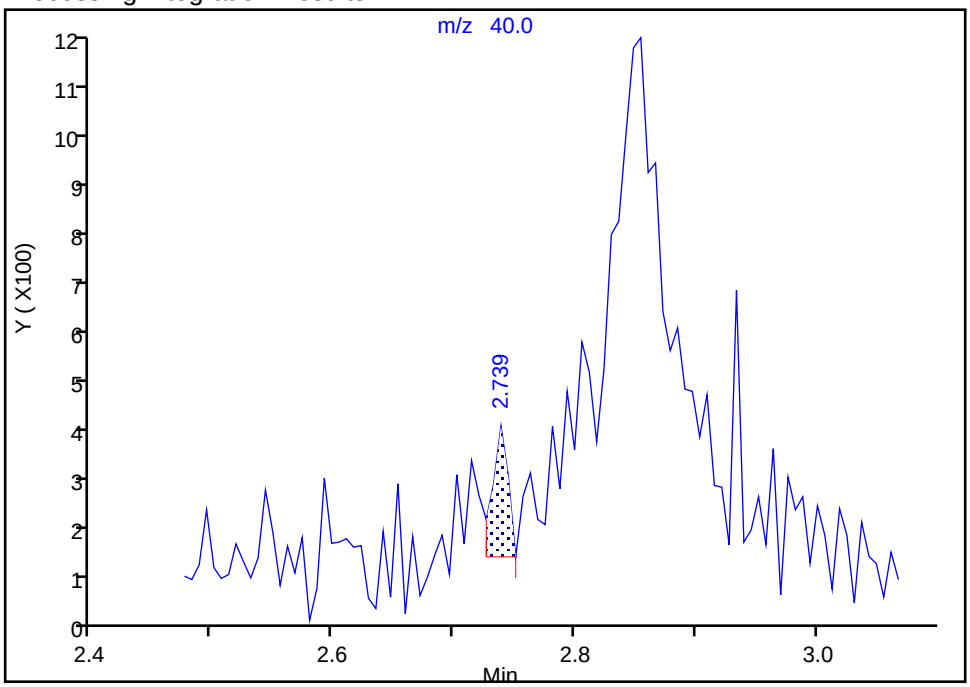
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

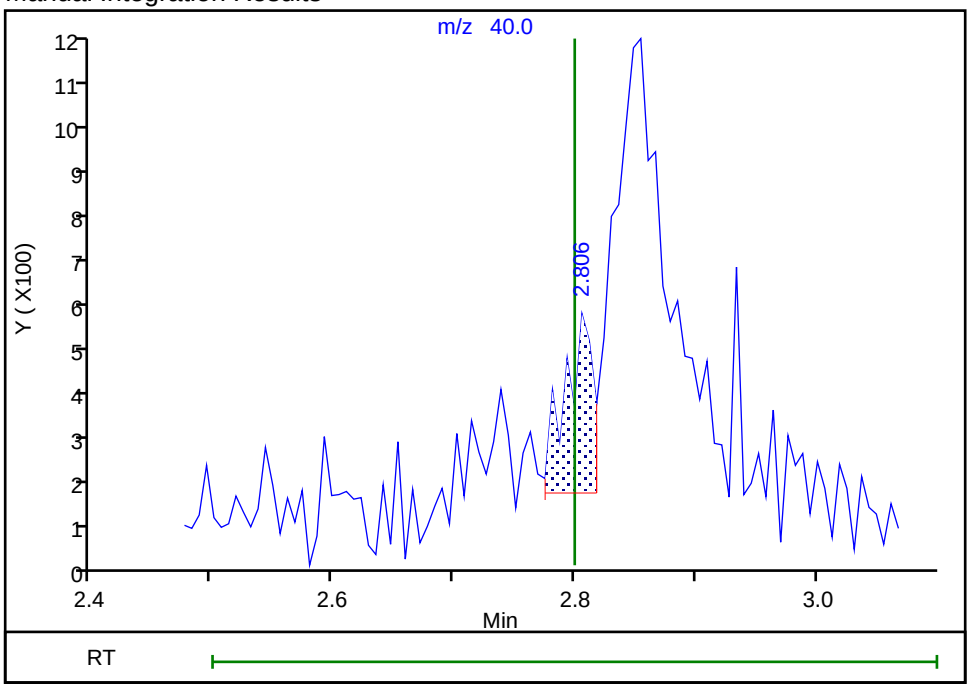
Processing Integration Results

RT: 2.74
Area: 208
Amount: 1.128635
Amount Units: ug/l



Manual Integration Results

RT: 2.81
Area: 572
Amount: 3.153866
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:42:39
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Eurofins TestAmerica, Edison

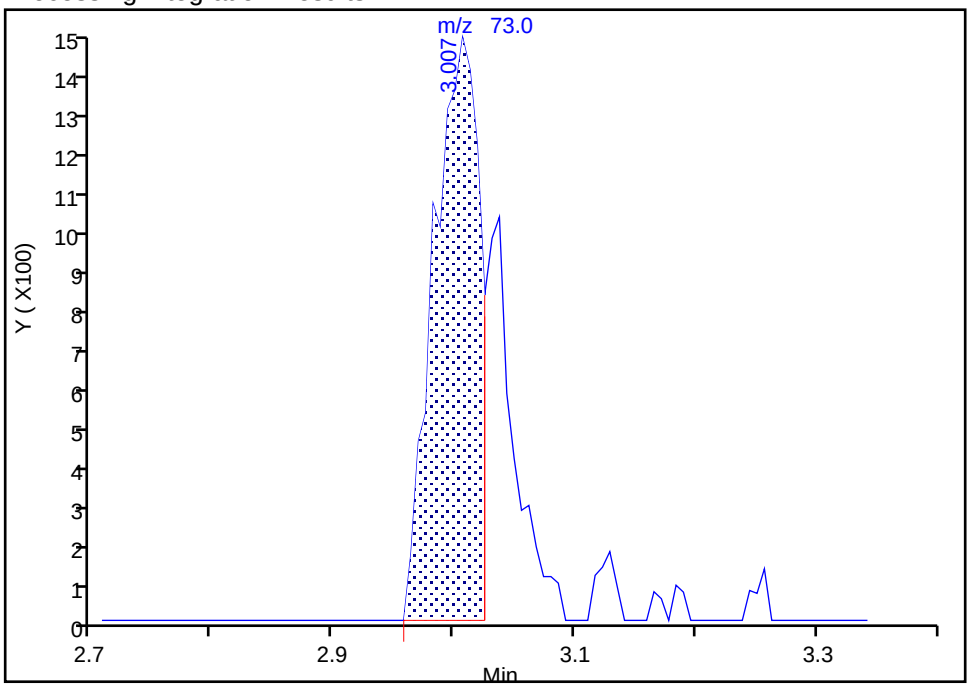
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

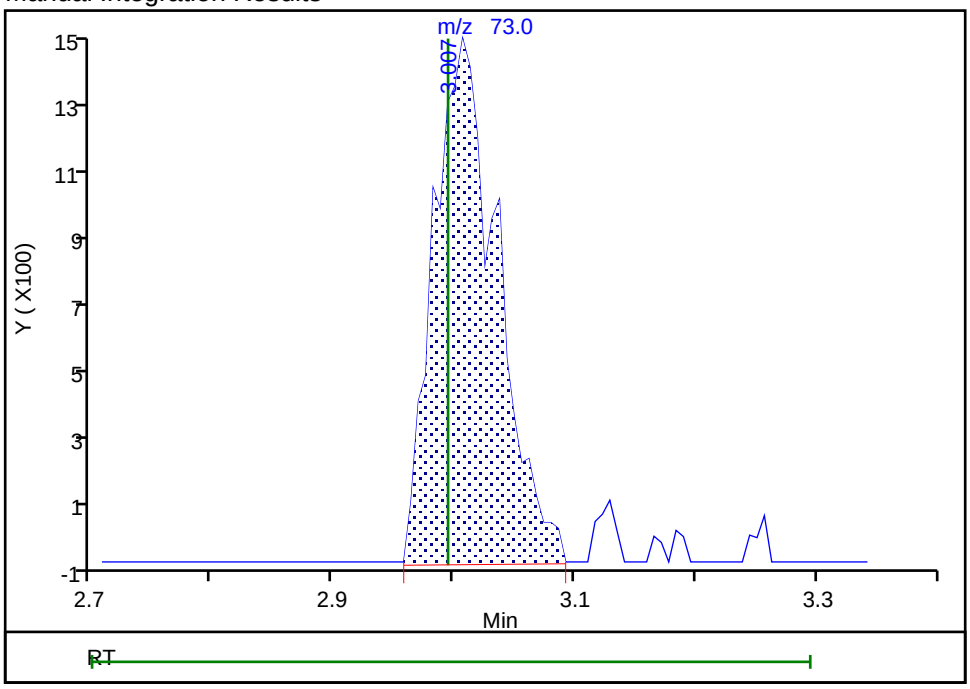
Processing Integration Results

RT: 3.01
Area: 3788
Amount: 0.423518
Amount Units: ug/l



Manual Integration Results

RT: 3.01
Area: 5276
Amount: 0.563117
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:43:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

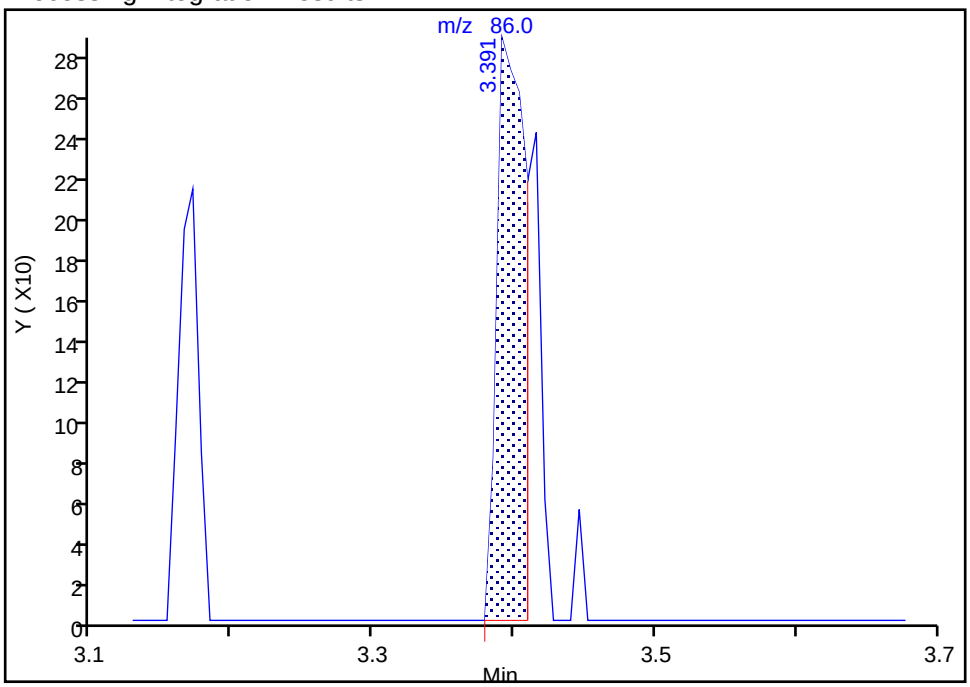
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

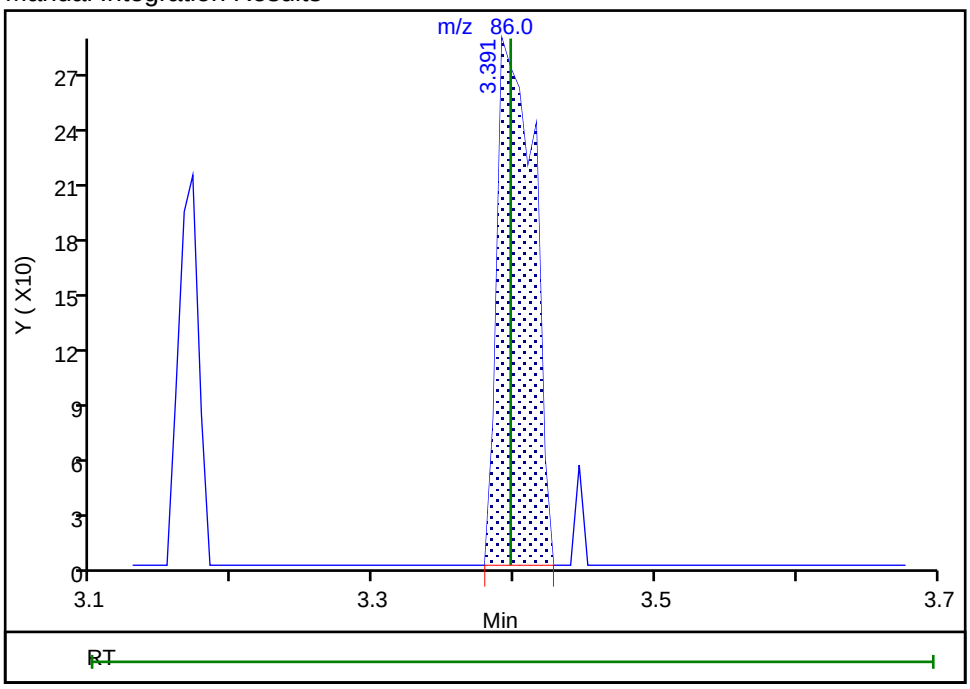
Processing Integration Results

RT: 3.39
Area: 411
Amount: 0.686106
Amount Units: ug/l



Manual Integration Results

RT: 3.39
Area: 521
Amount: 0.847503
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:43:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

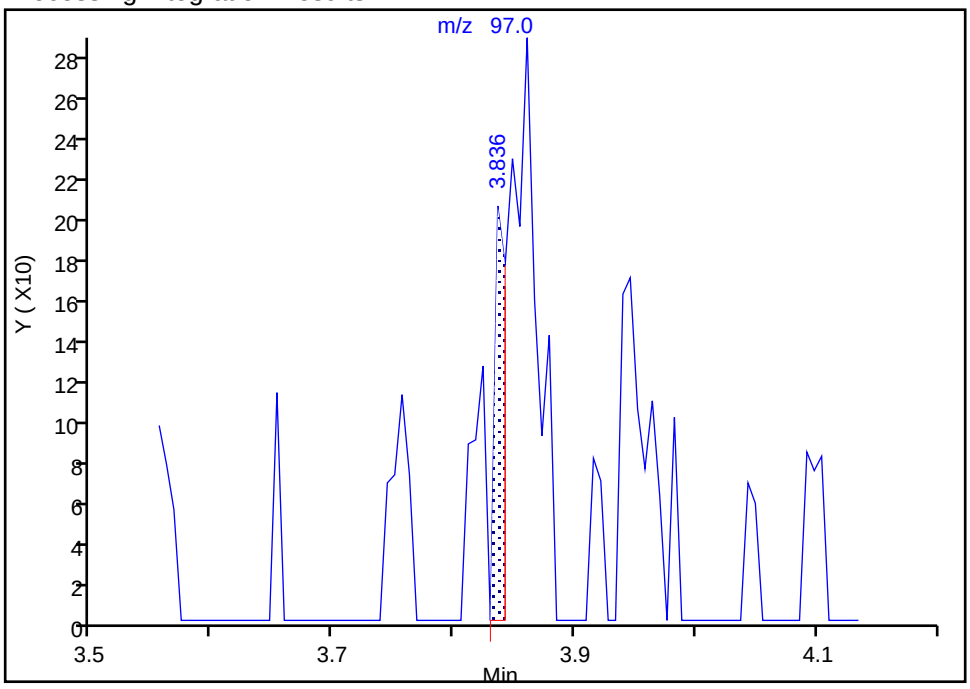
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

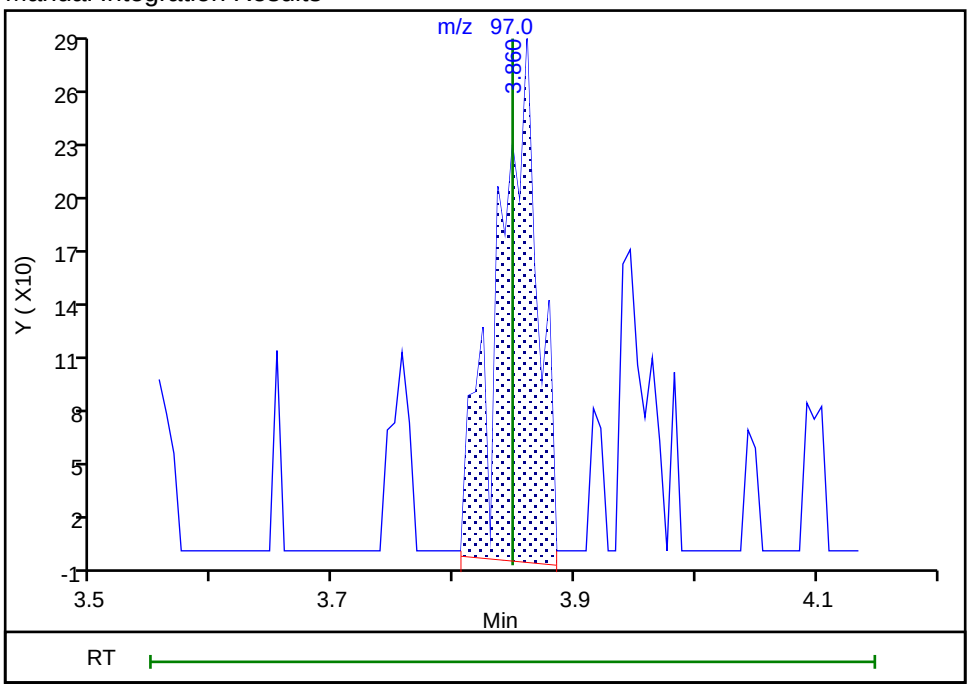
Processing Integration Results

RT: 3.84
Area: 137
Amount: 0.111873
Amount Units: ug/l



Manual Integration Results

RT: 3.86
Area: 672
Amount: 0.507733
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:44:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

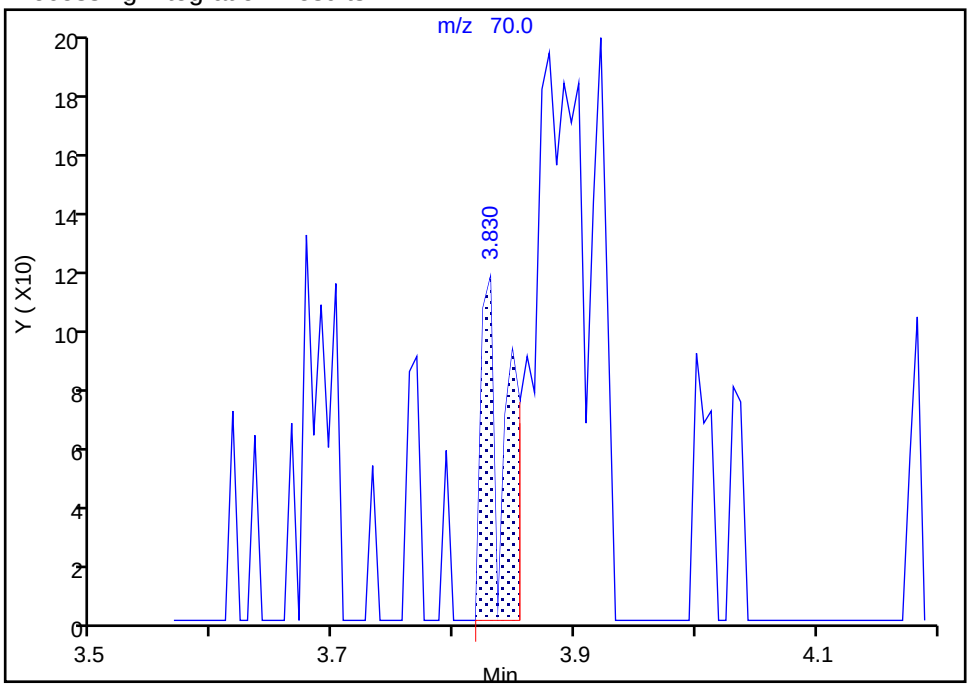
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

46 Ethyl acetate, CAS: 141-78-6

Signal: 1

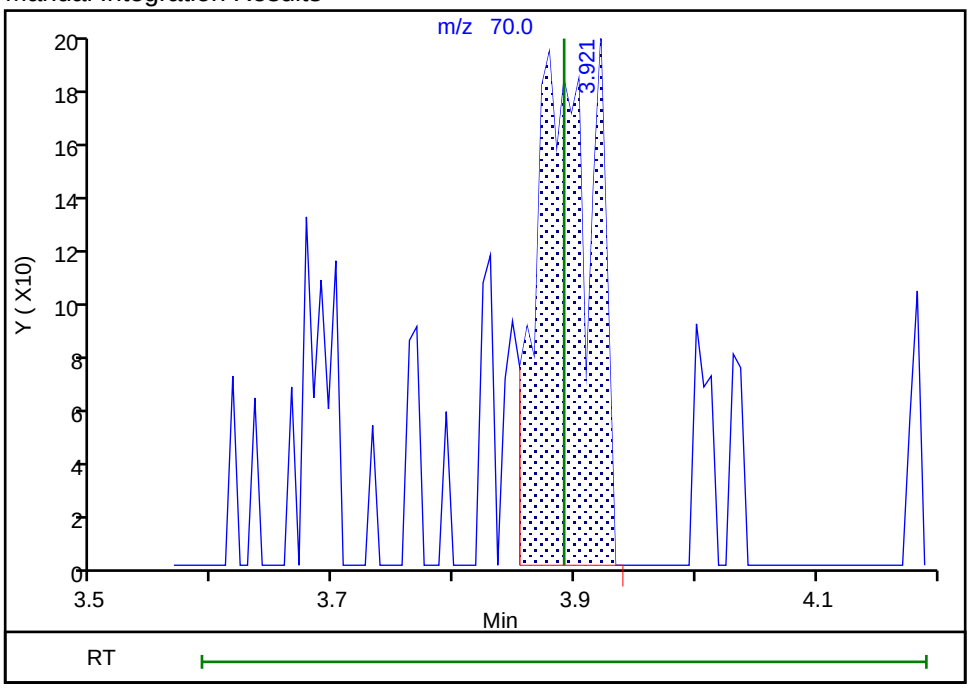
Processing Integration Results

RT: 3.83
Area: 163
Amount: 0.448649
Amount Units: ug/l



Manual Integration Results

RT: 3.92
Area: 642
Amount: 0.945722
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:44:26
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

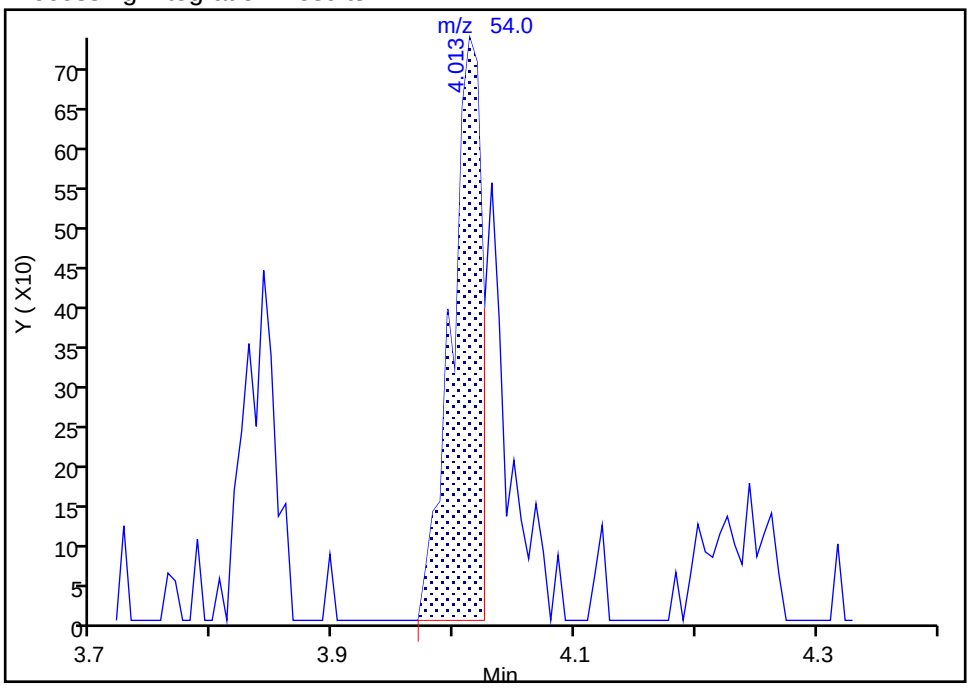
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

48 Propionitrile, CAS: 107-12-0

Signal: 1

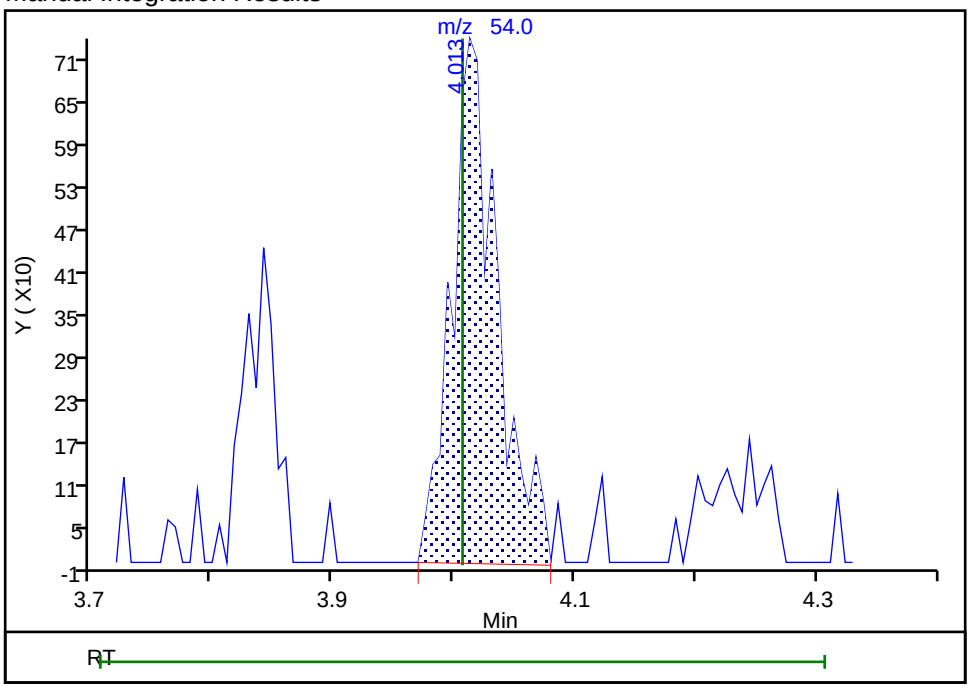
Processing Integration Results

RT: 4.01
Area: 1300
Amount: 3.405135
Amount Units: ug/l



Manual Integration Results

RT: 4.01
Area: 1940
Amount: 4.849247
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:45:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

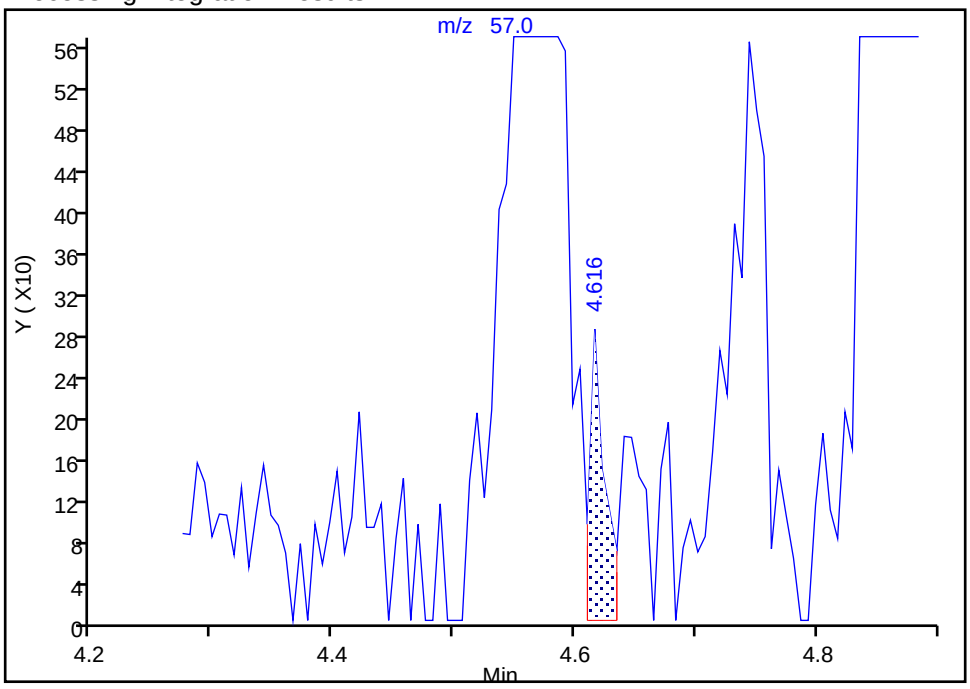
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

59 Isooctane, CAS: 540-84-1

Signal: 1

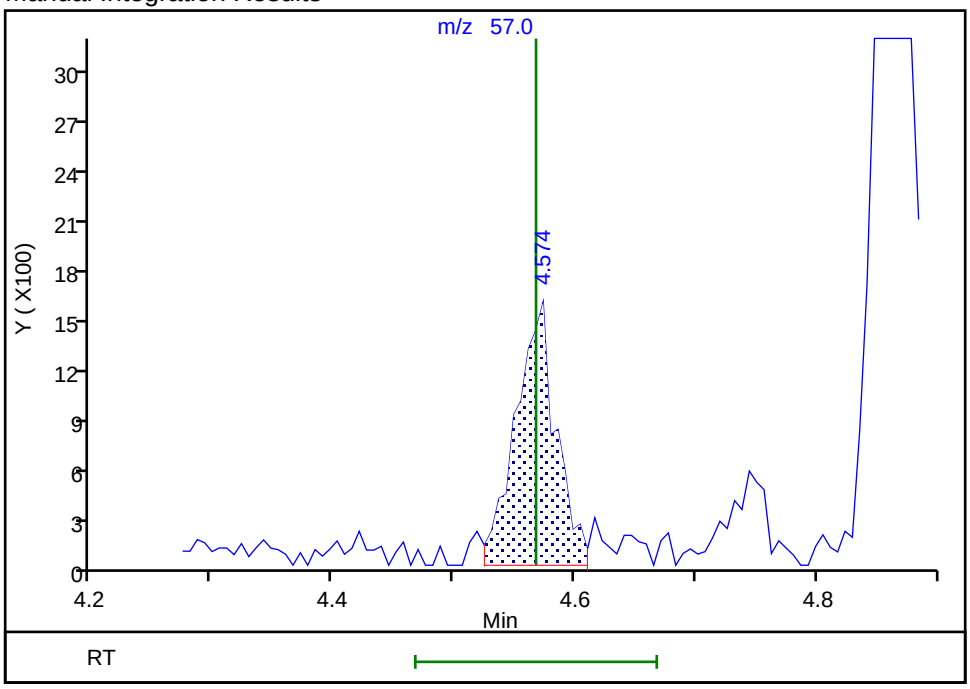
Processing Integration Results

RT: 4.62
Area: 257
Amount: 0.021849
Amount Units: ug/l



Manual Integration Results

RT: 4.57
Area: 3674
Amount: 0.507143
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:45:34
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

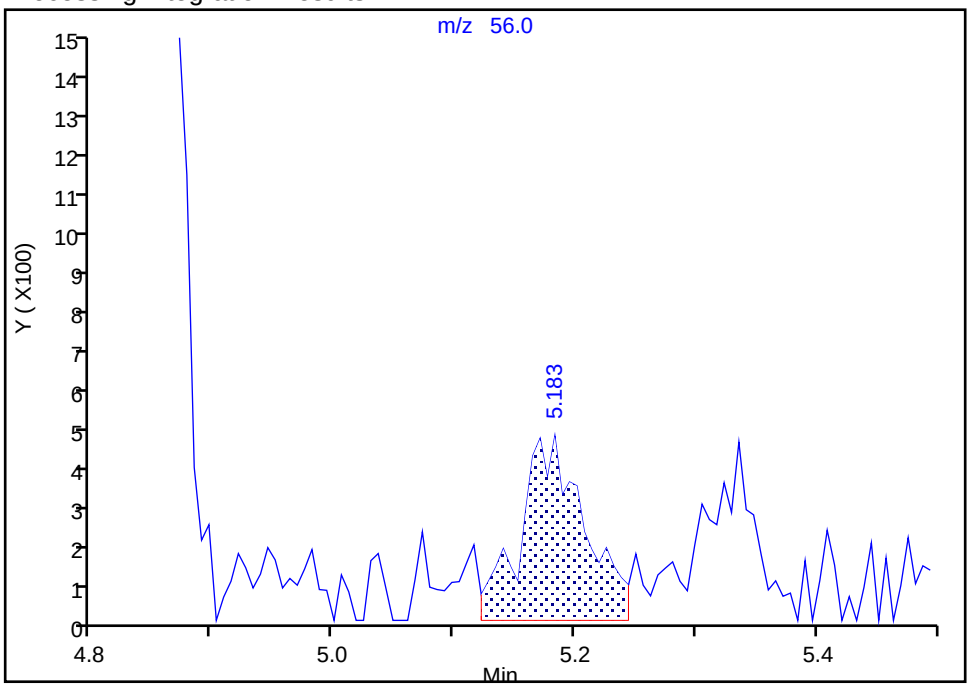
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

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

Signal: 1

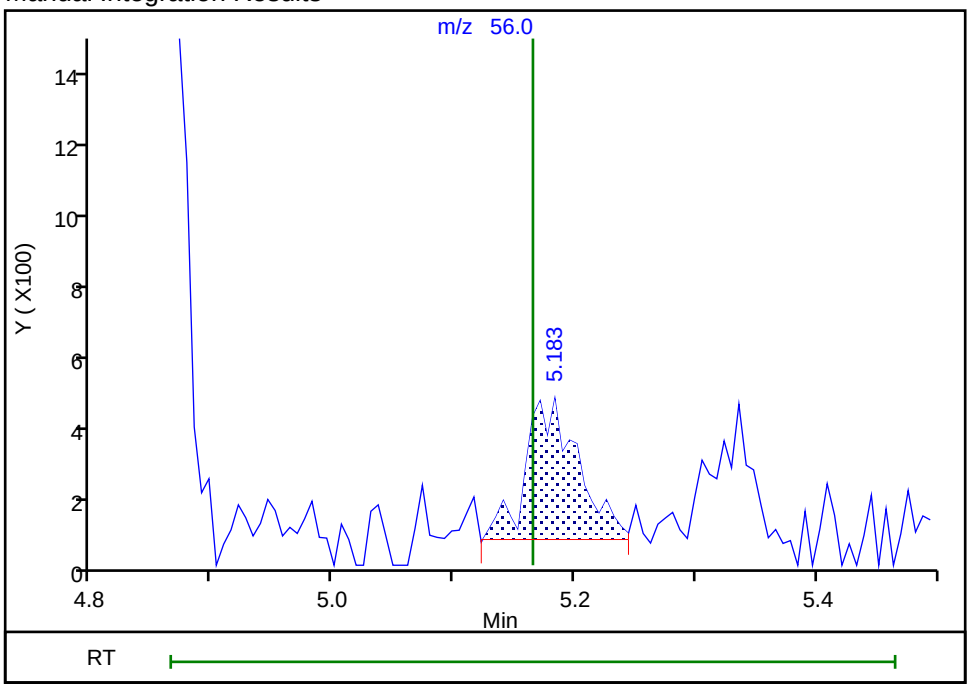
Processing Integration Results

RT: 5.18
Area: 1738
Amount: 20.081071
Amount Units: ug/l



Manual Integration Results

RT: 5.18
Area: 1185
Amount: 14.204993
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:22:23
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison

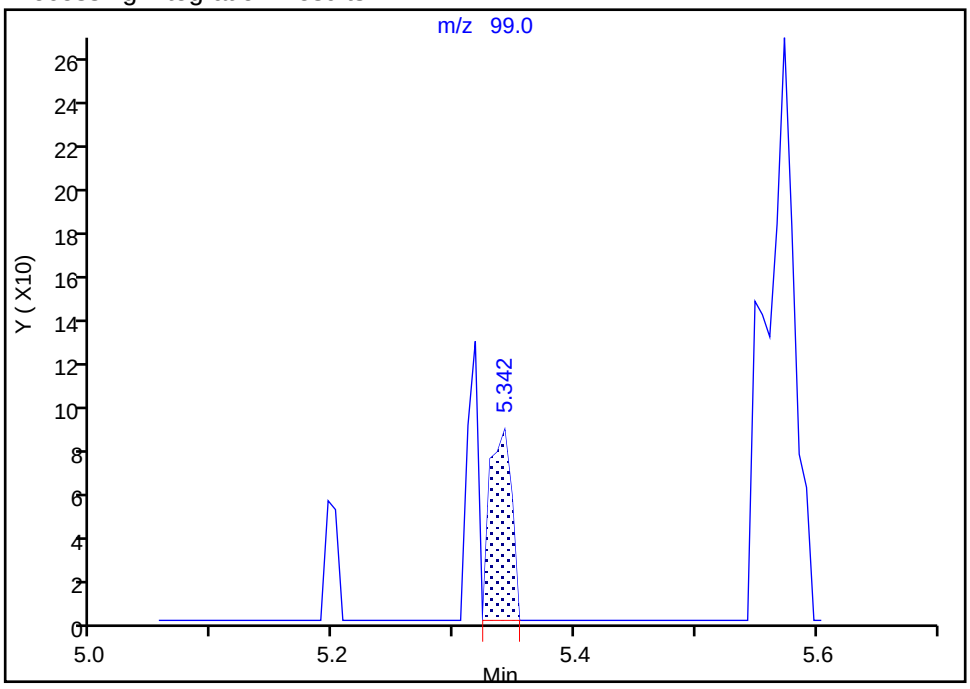
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

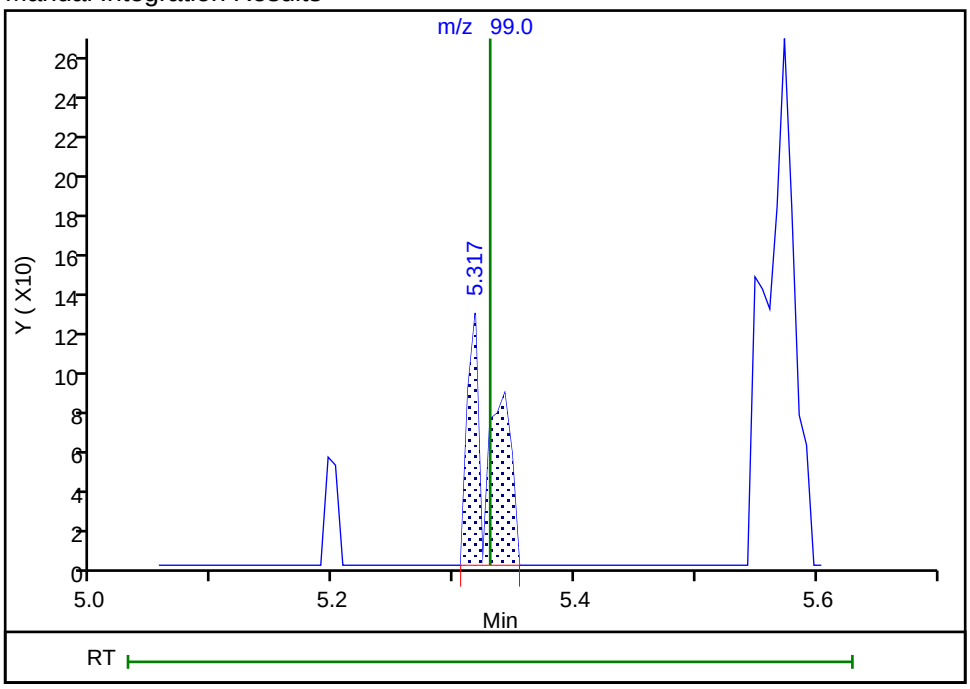
Processing Integration Results

RT: 5.34
Area: 106
Amount: 0.181324
Amount Units: ug/l



Manual Integration Results

RT: 5.32
Area: 185
Amount: 0.393660
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:40:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

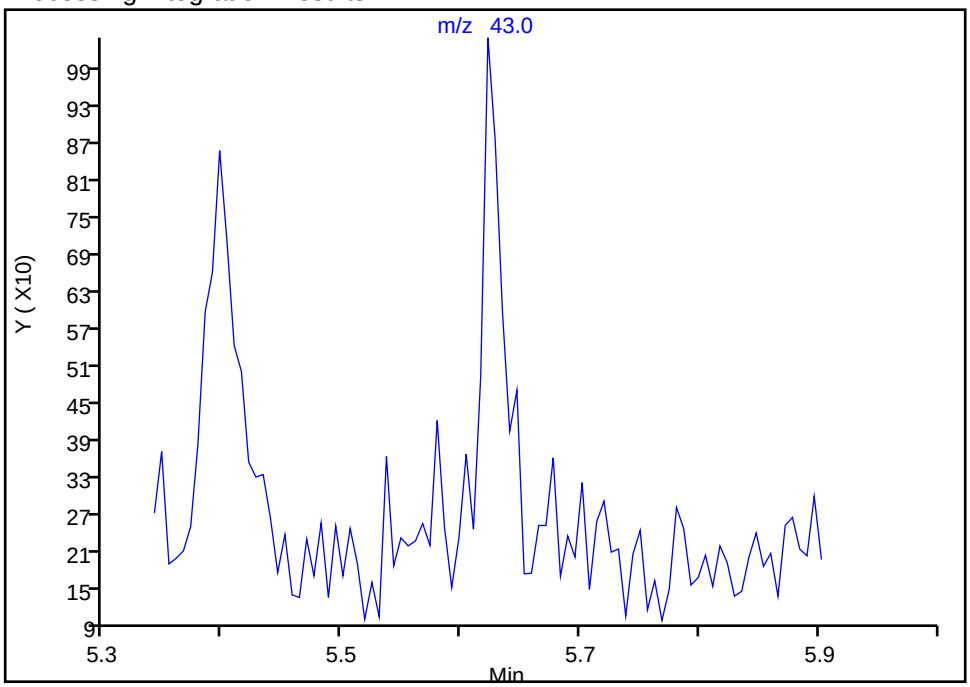
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

76 n-Propyl acetate, CAS: 109-60-4

Signal: 1

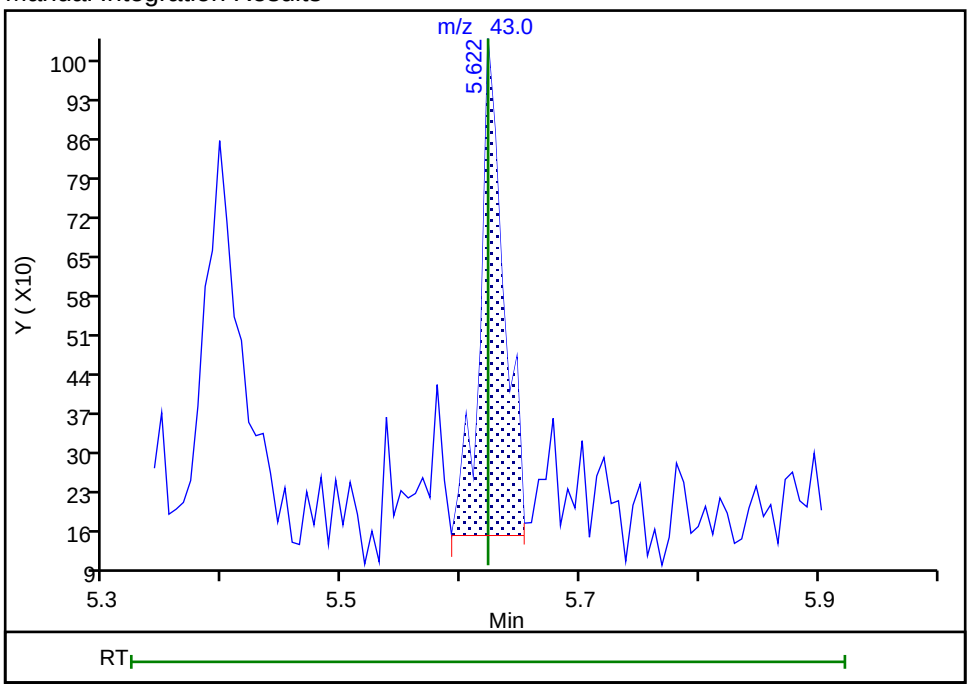
Not Detected
Expected RT: 5.62

Processing Integration Results



Manual Integration Results

RT: 5.62
Area: 1234
Amount: 0.389518
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:45:51
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

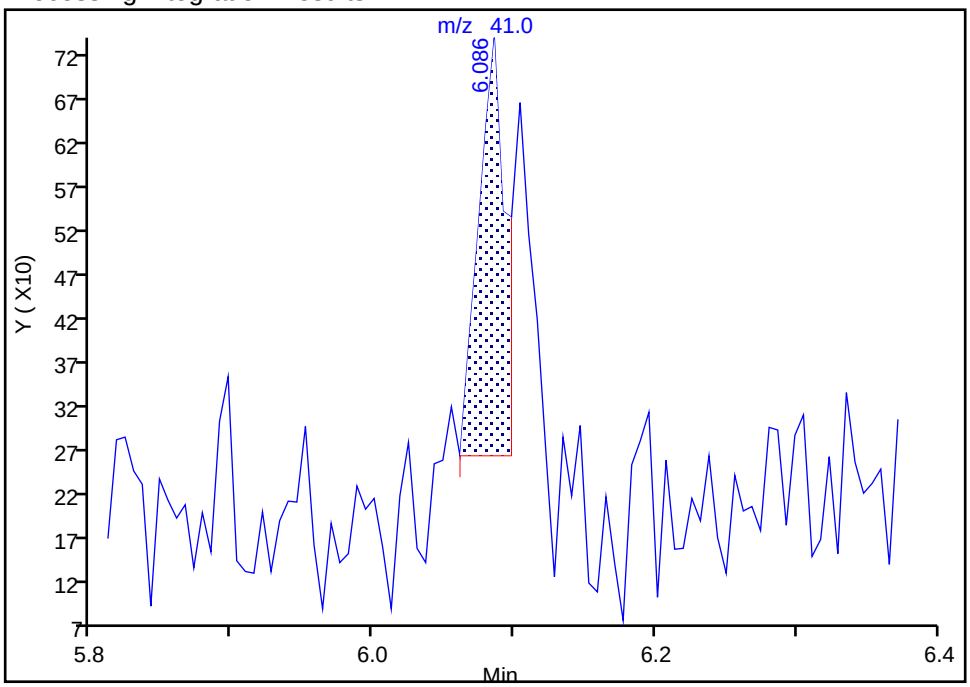
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

78 2-Nitropropane, CAS: 79-46-9

Signal: 1

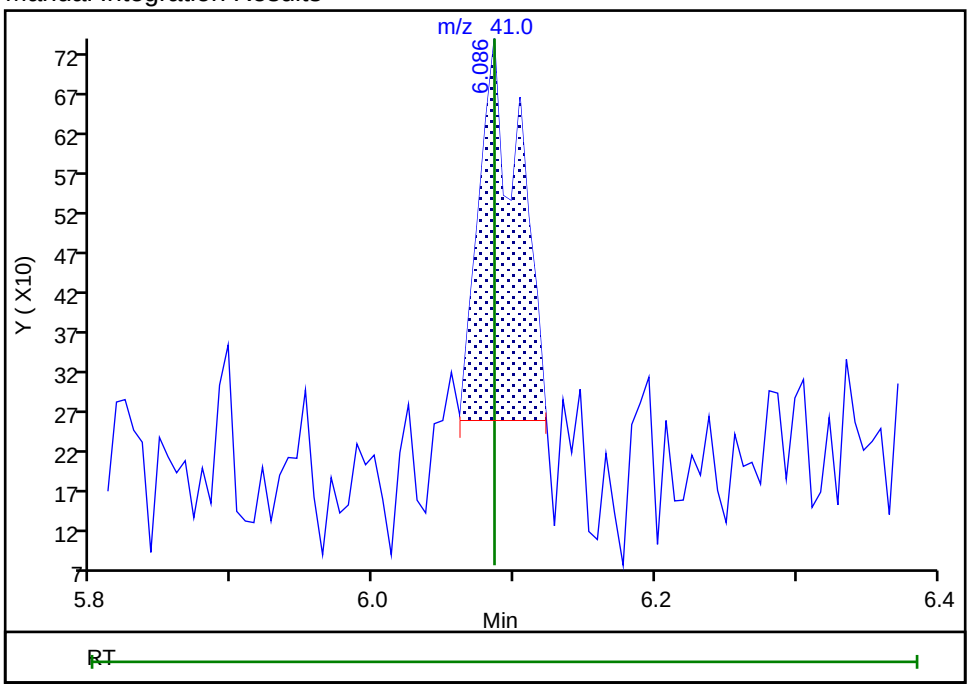
Processing Integration Results

RT: 6.09
Area: 638
Amount: 0.825277
Amount Units: ug/l



Manual Integration Results

RT: 6.09
Area: 952
Amount: 1.163912
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:46:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

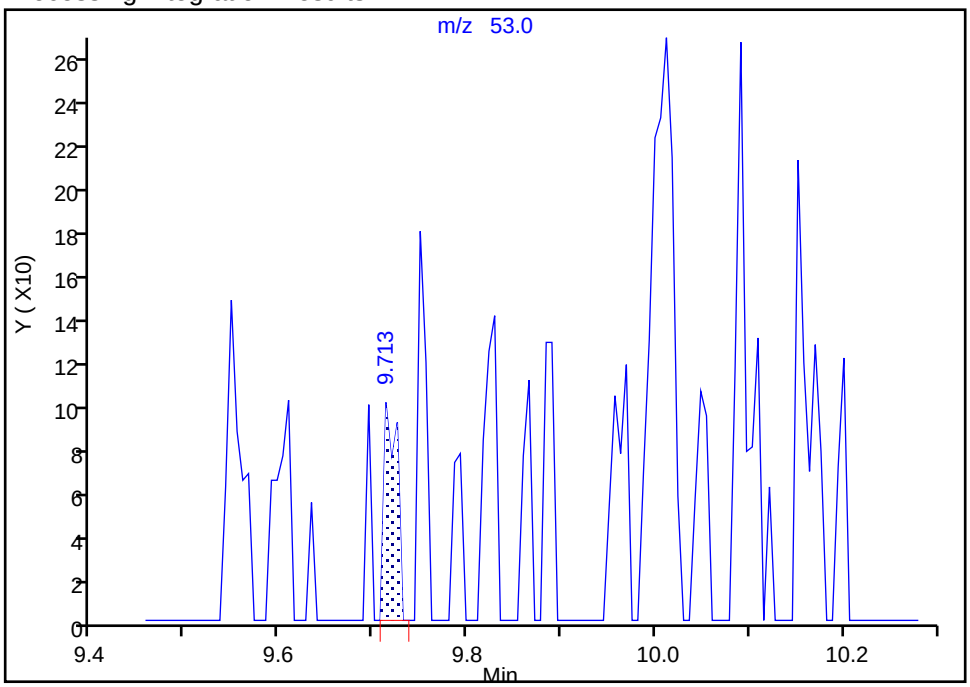
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

110 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

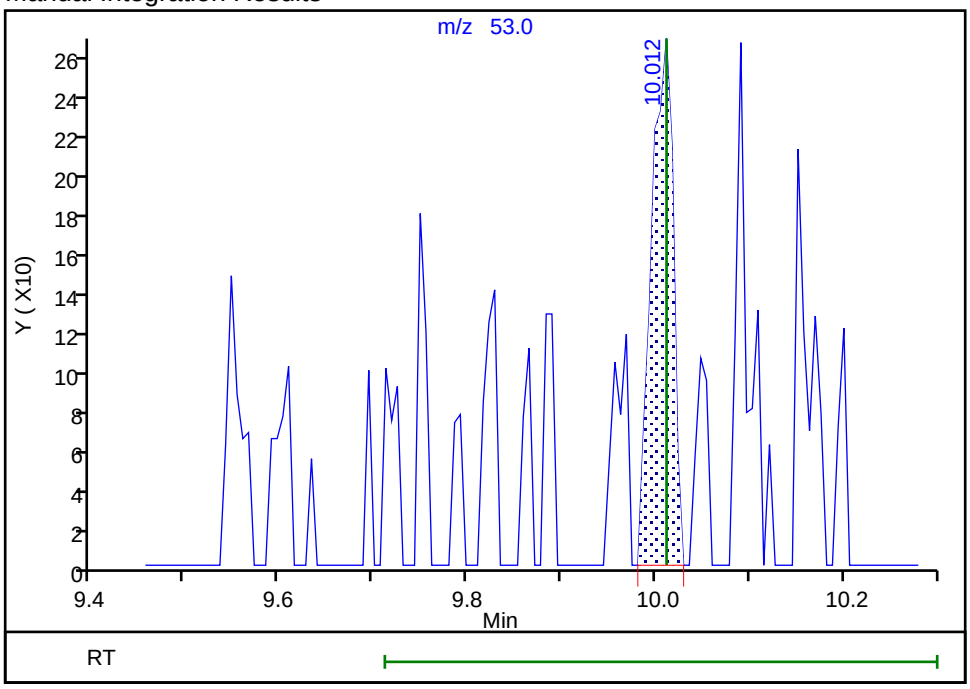
Processing Integration Results

RT: 9.71
Area: 95
Amount: 0.091424
Amount Units: ug/l



Manual Integration Results

RT: 10.01
Area: 425
Amount: 0.447335
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:47:04
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

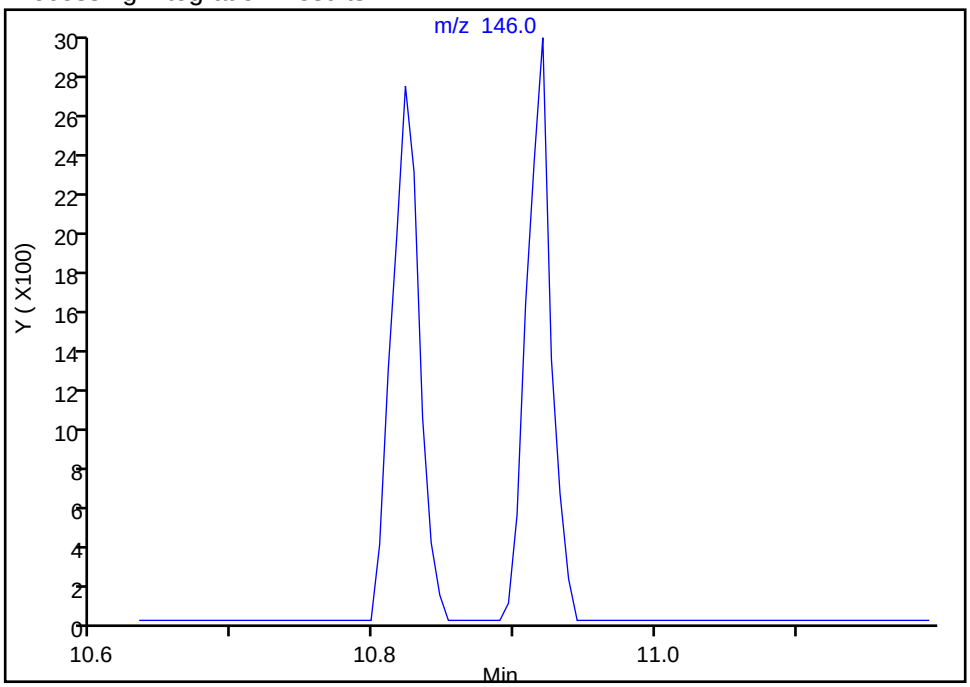
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0990.D
Injection Date: 21-Dec-2019 11:13:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

122 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

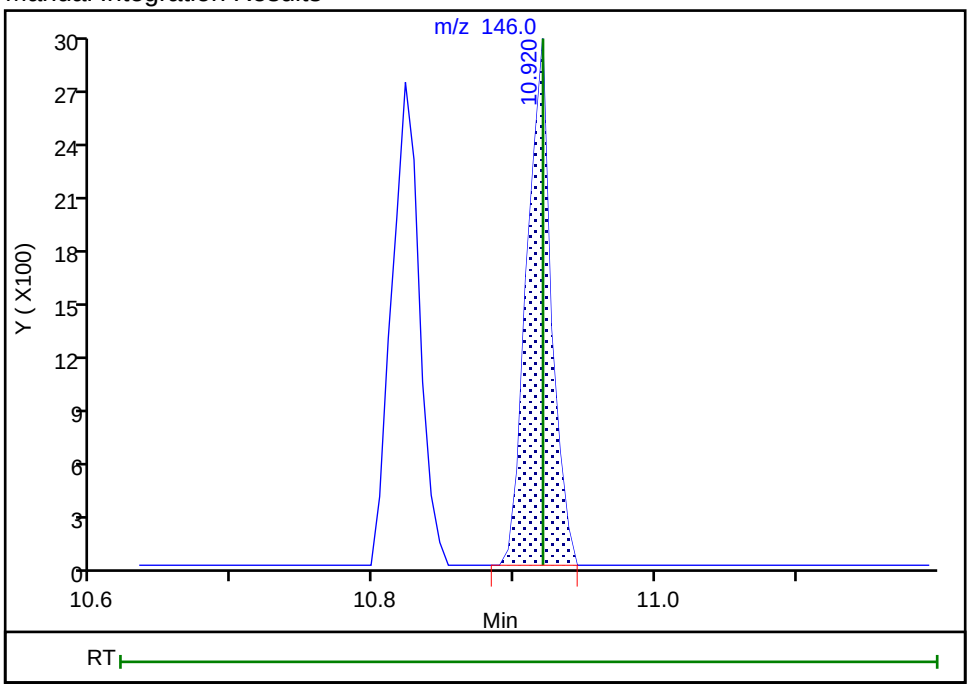
Not Detected
Expected RT: 10.92

Processing Integration Results



Manual Integration Results

RT: 10.92
Area: 3535
Amount: 0.482518
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:47:22
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Dec-2019 11:34:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0103229-004
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:28:36 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: pakanatir Date: 21-Dec-2019 14:35:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.288	1.288	0.000	65	259	1.00	1.07	
2 1,1-Difluoroethane	51	1.373	1.373	0.000	77	3280	1.00	1.06	
3 Chlorotrifluoroethene	116	1.361	1.373	-0.012	48	1296	1.00	0.9021	M
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	96	5773	1.00	0.9268	
5 Chlorodifluoromethane	51	1.410	1.416	-0.006	97	4320	1.00	0.9556	
6 Chloromethane	50	1.550	1.550	0.000	97	4630	1.00	1.12	
7 Vinyl chloride	62	1.623	1.623	0.000	94	4133	1.00	0.9611	
8 Butadiene	54	1.623	1.623	0.000	82	3737	1.00	1.07	
9 Bromomethane	94	1.867	1.867	0.000	93	3382	1.00	1.10	
10 Chloroethane	64	1.928	1.922	0.006	54	2826	1.00	1.09	
11 Dichlorofluoromethane	67	2.080	2.080	0.000	97	7230	1.00	0.99	
12 Trichlorofluoromethane	101	2.099	2.093	0.006	75	5910	1.00	0.9088	a
13 Pentane	72	2.093	2.099	-0.007	98	1187	2.00	1.99	
15 Ethyl ether	74	2.269	2.269	0.000	93	1946	1.00	0.9790	
14 Ethanol	46	2.227	2.269	-0.042	71	221	40.0	15.6	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	96	2853	1.00	1.05	
17 1,2-Dichloro-1,1,2-trifluo	117	2.318	2.318	0.000	71	3979	1.00	1.11	M
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	89	5847	1.00	1.07	Ma
19 Acrolein	56	2.416	2.422	-0.006	85	2068	4.00	4.82	
20 1,1,2-Trichloro-1,2,2-trif	101	2.422	2.434	-0.012	56	3167	1.00	0.8952	a
21 1,1-Dichloroethene	96	2.464	2.452	0.012	94	3740	1.00	1.04	
22 Acetone	43	2.531	2.532	-0.001	86	4492	5.00	5.65	
23 Iodomethane	142	2.592	2.593	0.000	98	7412	1.00	1.04	
25 Isopropyl alcohol	45	2.611	2.617	-0.006	32	1258	10.0	7.56	
24 Carbon disulfide	76	2.623	2.623	0.000	99	14390	1.00	1.06	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	90	2080	1.00	0.9743	
27 Methyl acetate	43	2.745	2.745	0.000	65	4267	2.00	2.22	
28 Cyclopentene	67	2.751	2.751	0.000	92	7778	1.00	0.9870	
29 Acetonitrile	40	2.812	2.800	0.012	27	1246	10.0	6.91	Ma
* 31 TBA-d9 (IS)	66	2.842	2.842	0.000	99	42427	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	2.848	2.849	-0.001	36	4481	1.00	1.06	
32 2-Methyl-2-propanol	59	2.922	2.910	0.012	94	3349	10.0	11.5	a
33 Methyl tert-butyl ether	73	2.995	2.995	0.000	93	9493	1.00	1.04	
34 trans-1,2-Dichloroethene	96	3.019	3.019	0.000	93	3874	1.00	1.02	
35 Acrylonitrile	53	3.080	3.086	-0.006	96	10315	10.0	10.2	
36 Hexane	57	3.153	3.159	-0.006	86	3710	1.00	0.9611	
37 Isopropyl ether	45	3.354	3.361	-0.007	88	8977	1.00	1.04	
38 1,1-Dichloroethane	63	3.379	3.385	-0.006	99	6040	1.00	1.03	
39 Vinyl acetate	86	3.391	3.397	-0.006	99	1133	2.00	1.85	M
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	92	3205	1.00	1.02	
41 Tert-butyl ethyl ether	59	3.647	3.653	-0.006	89	9279	1.00	0.9863	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	98	221496	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	48	1373	1.00	1.06	Ma
44 cis-1,2-Dichloroethene	96	3.860	3.861	-0.001	92	4499	1.00	1.09	
45 2-Butanone (MEK)	72	3.897	3.885	0.012	98	1885	5.00	5.89	a
46 Ethyl acetate	70	3.885	3.891	-0.006	96	1063	2.00	2.19	
47 Methyl acrylate	55	3.934	3.940	-0.006	98	2742	1.00	1.12	
48 Propionitrile	54	4.007	4.007	0.000	92	3588	10.0	9.67	
49 Chlorobromomethane	128	4.074	4.074	0.000	80	2105	1.00	1.02	
50 Tetrahydrofuran	72	4.080	4.080	0.000	44	657	2.00	1.69	
51 Methacrylonitrile	67	4.104	4.104	0.000	88	12330	10.0	10.6	
52 Chloroform	83	4.129	4.123	0.006	99	6916	1.00	1.14	
53 Cyclohexane	84	4.251	4.251	0.000	86	5438	1.00	1.04	M
54 1,1,1-Trichloroethane	97	4.257	4.263	-0.006	73	5923	1.00	1.07	
$ 55 Dibromofluoromethane (Surr	113	4.269	4.275	-0.006	97	150778	50.0	50.8	
56 Carbon tetrachloride	117	4.366	4.373	-0.007	85	4977	1.00	1.01	M
57 1,1-Dichloropropene	75	4.397	4.397	0.000	95	4575	1.00	1.05	
58 Isobutyl alcohol	43	4.549	4.531	0.018	34	3924	25.0	22.4	a
59 Isooctane	57	4.568	4.568	0.000	97	9101	1.00	0.9818	
60 Benzene	78	4.586	4.586	0.000	94	13149	1.00	1.09	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	162331	50.0	49.3	
62 Tert-amyl methyl ether	73	4.665	4.653	0.012	85	10074	1.00	0.9820	
63 Isopropyl acetate	61	4.659	4.665	-0.006	89	1538	1.00	0.9671	
64 1,2-Dichloroethane	62	4.671	4.677	-0.006	98	4835	1.00	1.09	
65 n-Heptane	100	4.732	4.738	-0.006	87	609	1.00	0.8473	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	555865	50.0	50.0	
67 n-Butanol	56	5.171	5.165	0.006	78	1903	25.0	24.6	
68 Trichloroethene	95	5.196	5.196	0.000	95	3673	1.00	1.11	
69 Methylcyclohexane	83	5.311	5.318	-0.007	90	5582	1.00	0.9594	
70 Ethyl acrylate	99	5.330	5.330	0.000	91	404	1.00	0.8823	M
71 1,2-Dichloropropane	63	5.476	5.476	0.000	87	2869	1.00	1.00	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	87	27147	1000.0	1000.0	
73 Methyl methacrylate	100	5.567	5.568	-0.001	84	1538	2.00	1.84	
75 1,4-Dioxane	88	5.592	5.592	0.000	55	1651	50.0	51.2	
74 Dibromomethane	93	5.598	5.598	0.000	92	2102	1.00	1.01	
76 n-Propyl acetate	43	5.628	5.622	0.006	91	3771	1.00	1.22	
77 Dichlorobromomethane	83	5.744	5.750	-0.006	97	3990	1.00	0.9375	
78 2-Nitropropane	41	6.080	6.086	-0.006	87	1615	2.00	2.03	
79 2-Chloroethyl vinyl ether	63	6.098	6.092	0.006	65	1828	1.00	1.04	a
80 Epichlorohydrin	57	6.189	6.183	0.006	96	5308	20.0	19.5	
81 cis-1,3-Dichloropropene	75	6.232	6.238	-0.006	88	4919	1.00	1.04	
82 4-Methyl-2-pentanone (MIBK	43	6.415	6.409	0.006	96	10946	5.00	4.88	

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	6.470	6.476	-0.006	99	514797	50.0	51.4	
84 Toluene	91	6.549	6.549	0.000	94	13571	1.00	1.10	
85 trans-1,3-Dichloropropene	75	6.896	6.897	-0.001	94	4627	1.00	1.03	
86 Ethyl methacrylate	69	6.945	6.939	0.006	84	3912	1.00	1.05	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	92	2376	1.00	1.08	
88 Tetrachloroethene	166	7.134	7.134	0.000	95	3312	1.00	1.07	
89 1,3-Dichloropropane	76	7.305	7.311	-0.006	89	5017	1.00	1.15	
90 2-Hexanone	43	7.390	7.384	0.006	93	7265	5.00	5.07	
91 n-Butyl acetate	43	7.506	7.506	0.000	97	3662	1.00	1.06	
92 Chlorodibromomethane	129	7.524	7.531	-0.007	96	2968	1.00	0.9804	
93 Ethylene Dibromide	107	7.671	7.671	0.000	97	2750	1.00	1.01	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	86	389470	50.0	50.0	
95 Chlorobenzene	112	8.250	8.250	0.000	97	8450	1.00	1.02	
96 Ethylbenzene	106	8.366	8.366	0.000	98	4916	1.00	1.09	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	95	3475	1.00	1.04	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	6239	1.00	1.11	
99 o-Xylene	106	9.036	9.036	0.000	93	6172	1.00	1.04	
100 n-Butyl acrylate	73	9.048	9.055	-0.007	96	2431	1.00	1.00	
101 Styrene	104	9.079	9.079	0.000	96	9176	1.00	1.03	
102 Bromoform	173	9.317	9.323	-0.006	92	1925	1.00	0.9772	
103 Amyl acetate (mixed isomer	43	9.341	9.347	-0.006	94	4729	1.00	0.9401	
104 Isopropylbenzene	105	9.487	9.488	-0.001	95	15953	1.00	1.07	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	158768	50.0	51.4	
106 Bromobenzene	156	9.853	9.859	-0.006	96	4148	1.00	1.07	
107 1,1,2,2-Tetrachloroethane	83	9.932	9.933	-0.001	97	3436	1.00	0.9361	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	17579	1.00	1.00	
109 1,2,3-Trichloropropane	110	9.969	9.981	-0.012	91	1130	1.00	1.01	
110 trans-1,4-Dichloro-2-buten	53	10.006	10.012	-0.006	77	1034	1.00	1.11	
111 2-Chlorotoluene	91	10.067	10.061	0.006	96	13324	1.00	1.05	
112 4-Ethyltoluene	105	10.085	10.085	0.000	97	14772	1.00	0.9591	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	92	13441	1.00	1.00	
114 4-Chlorotoluene	91	10.188	10.195	-0.007	96	13395	1.00	1.09	
115 Butyl Methacrylate	87	10.292	10.298	-0.006	90	4298	1.00	0.8837	
116 tert-Butylbenzene	119	10.475	10.475	0.000	97	10903	1.00	1.00	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	13782	1.00	0.9796	
118 sec-Butylbenzene	105	10.694	10.695	-0.001	98	16181	1.00	0.9837	
119 1,3-Dichlorobenzene	146	10.823	10.823	-0.001	96	7423	1.00	1.01	
120 4-Isopropyltoluene	119	10.847	10.841	0.006	97	14468	1.00	1.00	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	220424	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	93	7667	1.00	1.07	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	15001	1.00	1.01	
124 Benzyl chloride	91	11.066	11.066	0.000	99	5784	1.00	0.6283	
125 2,3-Dihydroindene	117	11.121	11.121	0.000	93	13546	1.00	0.99	
126 p-Diethylbenzene	119	11.194	11.201	-0.007	92	7978	1.00	0.9547	
127 n-Butylbenzene	92	11.219	11.219	0.000	96	7509	1.00	1.05	
128 1,2-Dichlorobenzene	146	11.255	11.262	-0.007	95	7393	1.00	1.00	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	14483	1.00	0.9113	
130 1,2-Dibromo-3-Chloropropan	157	11.950	11.957	-0.007	91	949	1.00	1.00	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	93	5742	1.00	0.9082	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	6047	1.00	0.9690	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	86	2175	1.00	0.9441	
134 Naphthalene	128	12.767	12.767	0.000	99	15495	1.00	0.9759	

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	12.950	12.950	0.000	92	6122	1.00	1.00	
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.11	
S 137 Xylenes, Total	100				0		2.00	2.15	
S 138 Total 1,2-dichloroethene	1				0			2.11	
S 139 1,3-Dichloropropene, Total	1				0		2.00	2.07	
S 140 Total BTEX	1				0		5.00	5.43	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	10.00	Units: uL	
GASES Li_00346	Amount Added:	10.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
524freon_00016	Amount Added:	10.00	Units: uL	
14DIOXINTER_00109	Amount Added:	30.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:28:39 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D

Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17

Lims ID: STD1

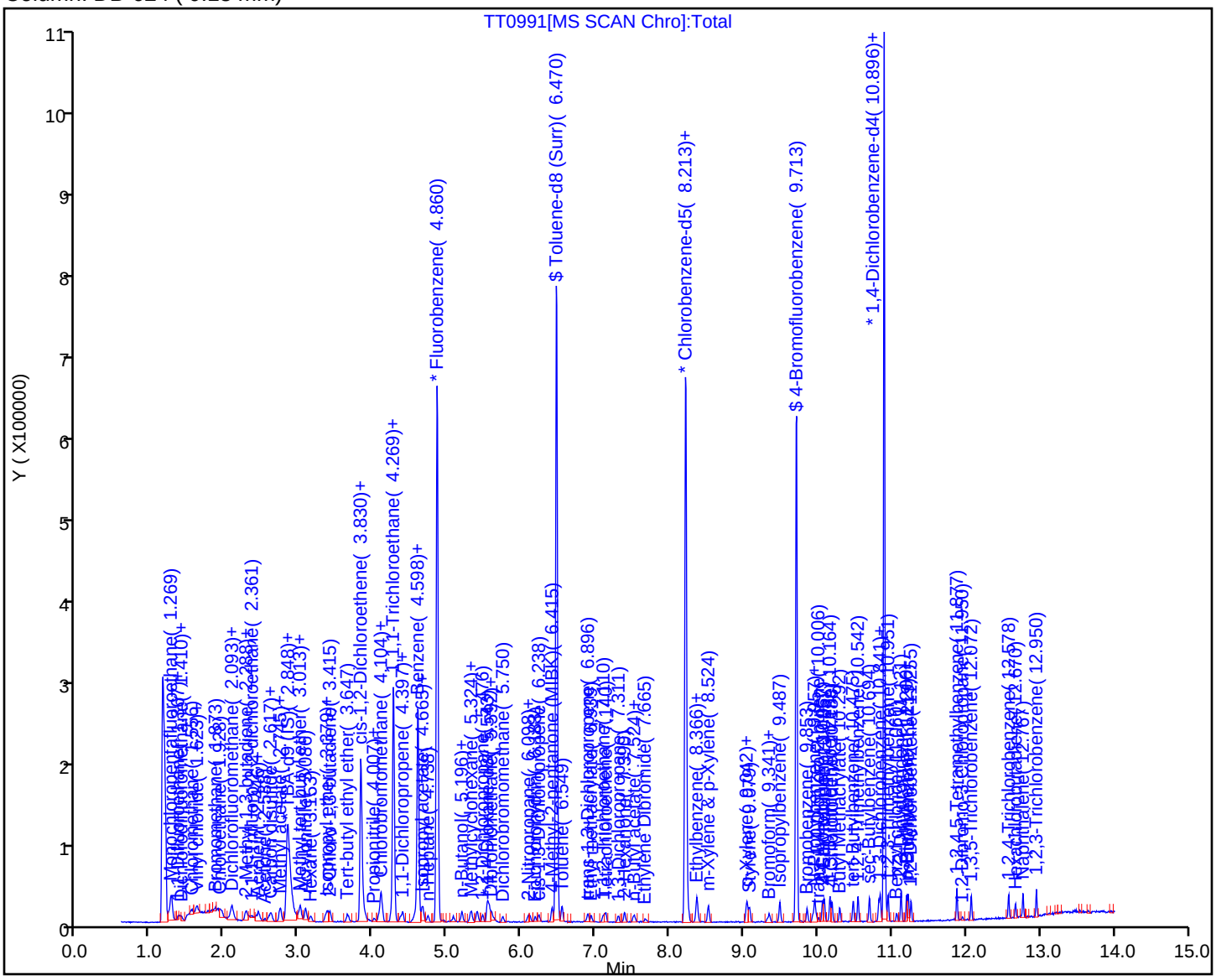
Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

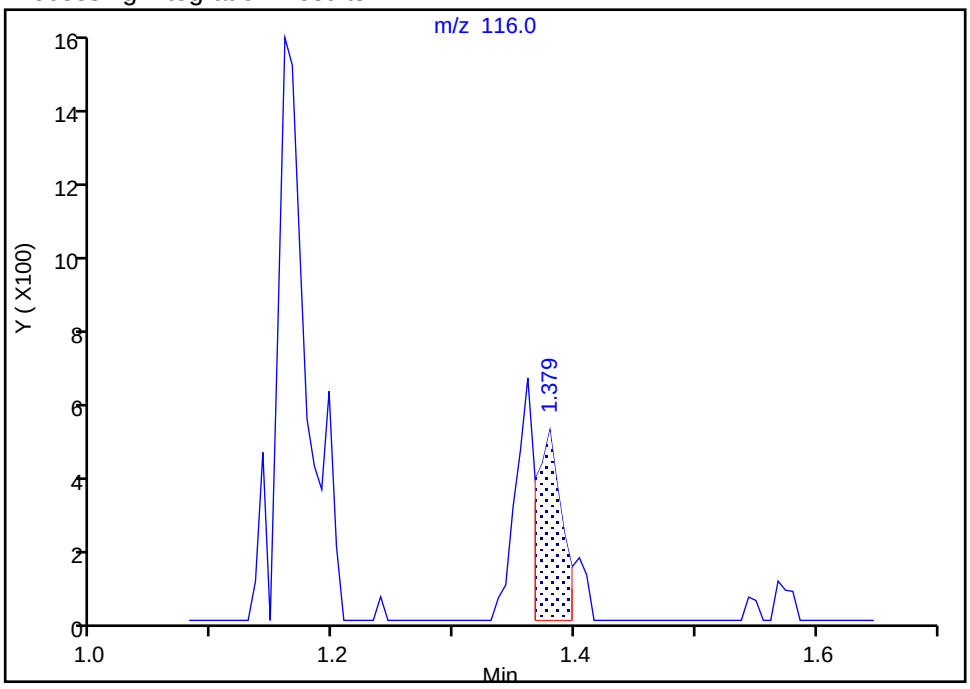
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

3 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

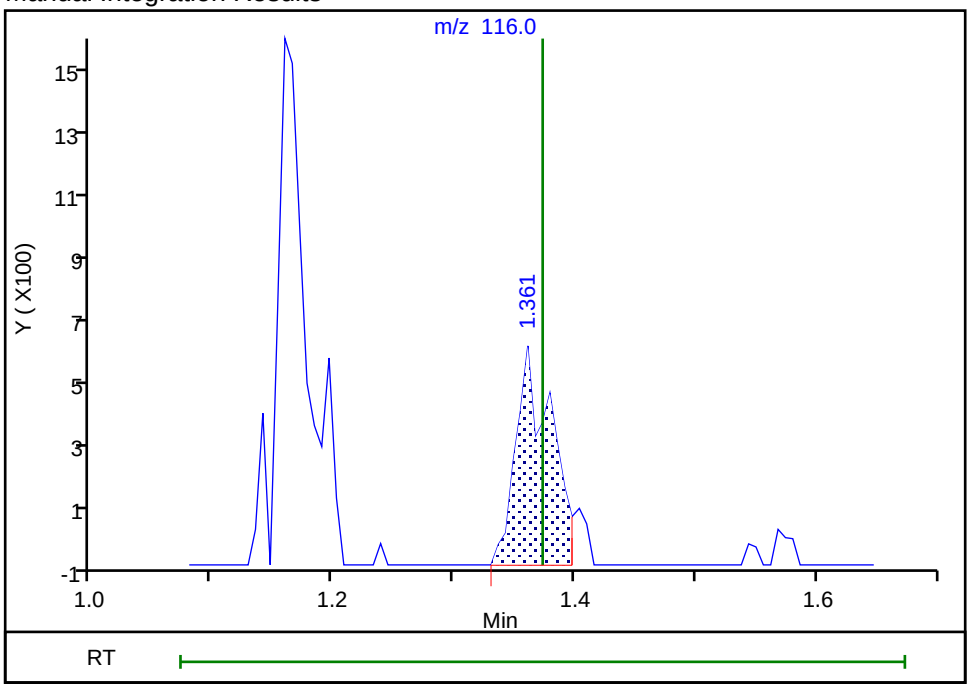
Processing Integration Results

RT: 1.38
Area: 731
Amount: 0.571916
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 1296
Amount: 0.902050
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:30:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

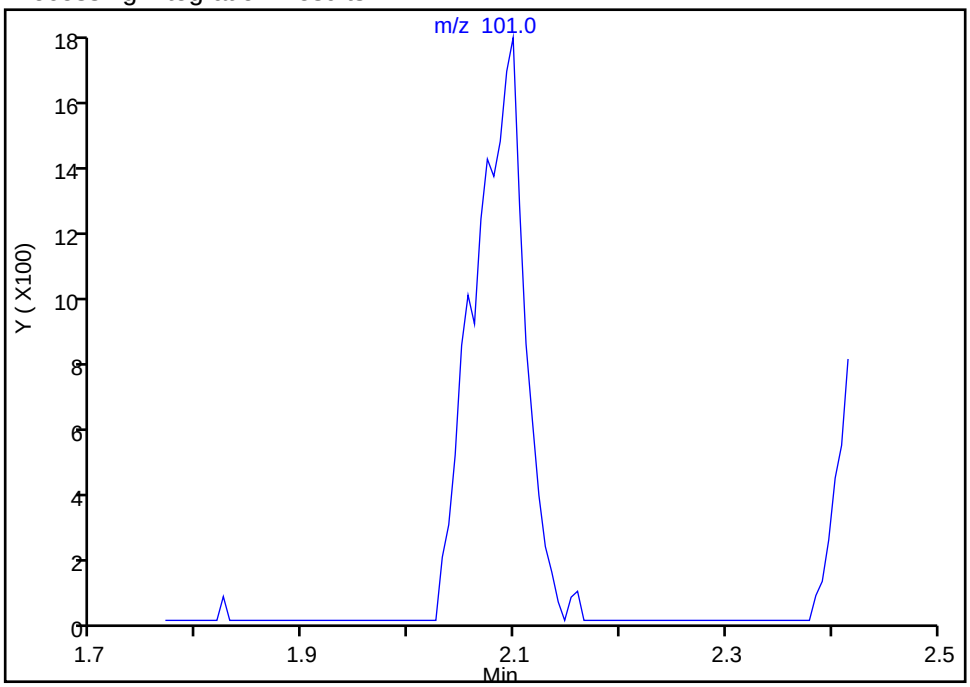
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

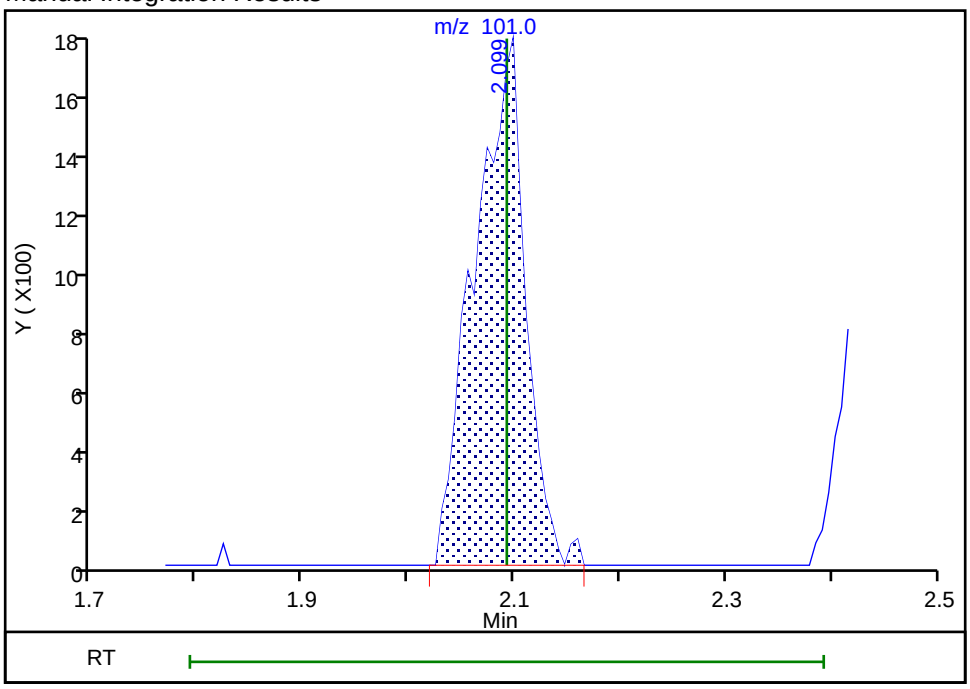
Not Detected
Expected RT: 2.09

Processing Integration Results



Manual Integration Results

RT: 2.10
Area: 5910
Amount: 0.908845
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:30:51
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

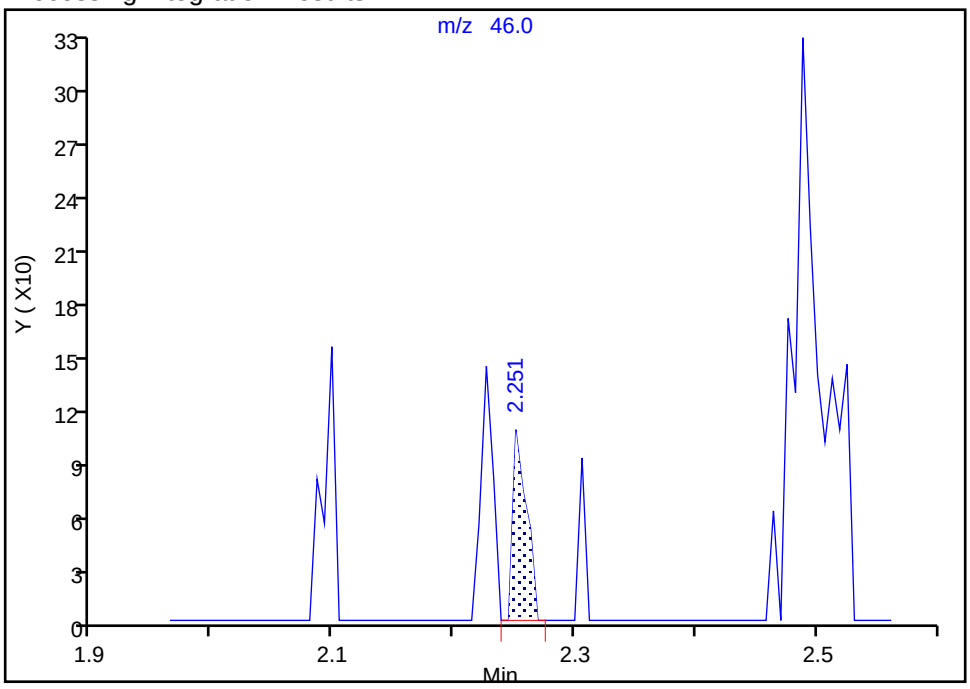
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

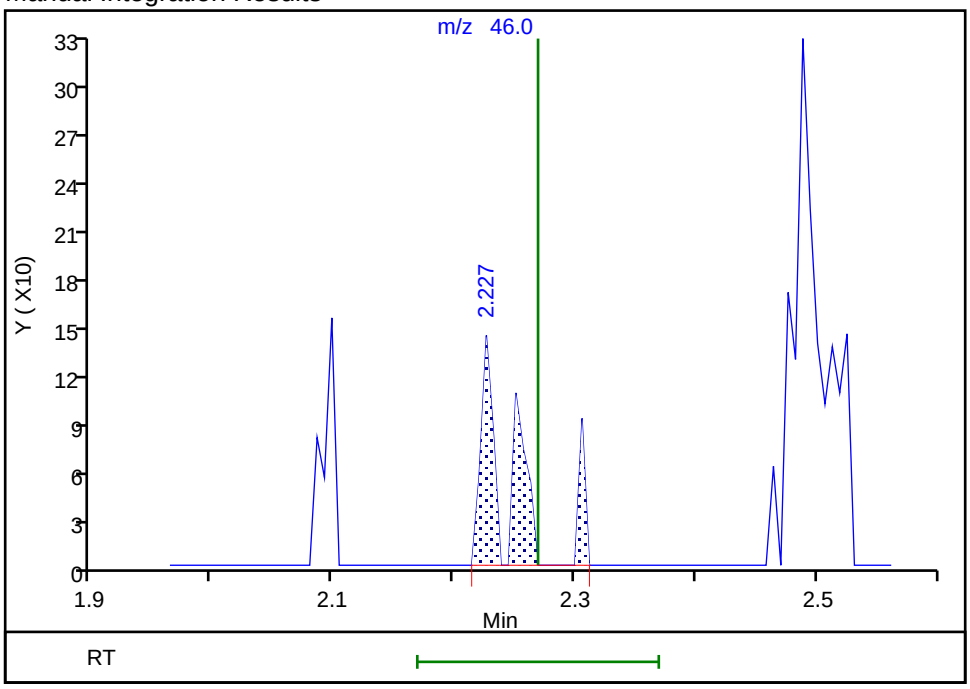
Processing Integration Results

RT: 2.25
Area: 85
Amount: 5.989620
Amount Units: ug/l



Manual Integration Results

RT: 2.23
Area: 221
Amount: 15.574341
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:06:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

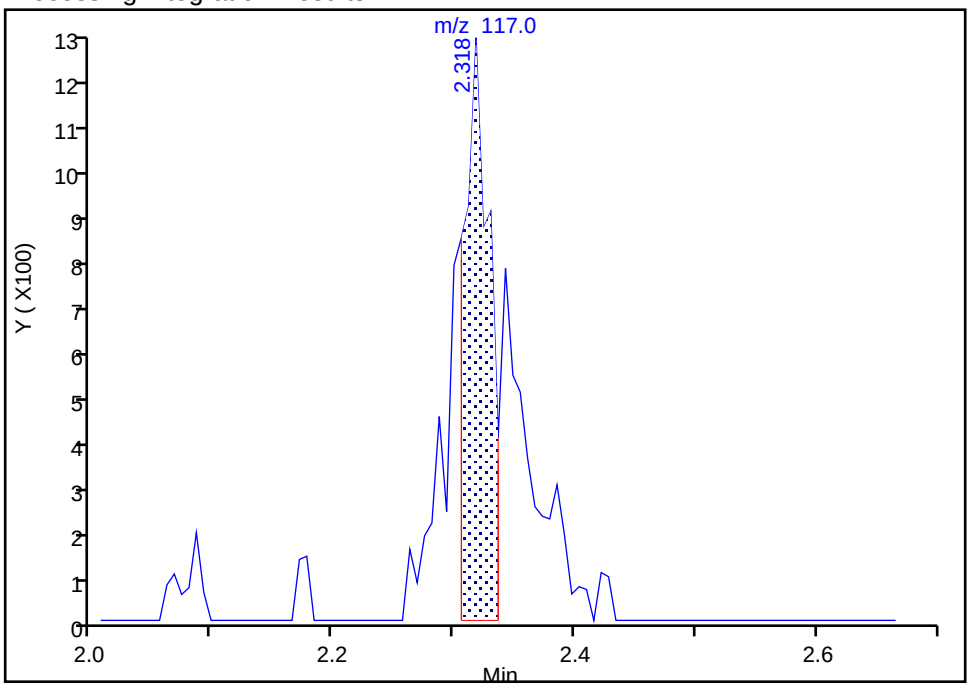
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

17 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

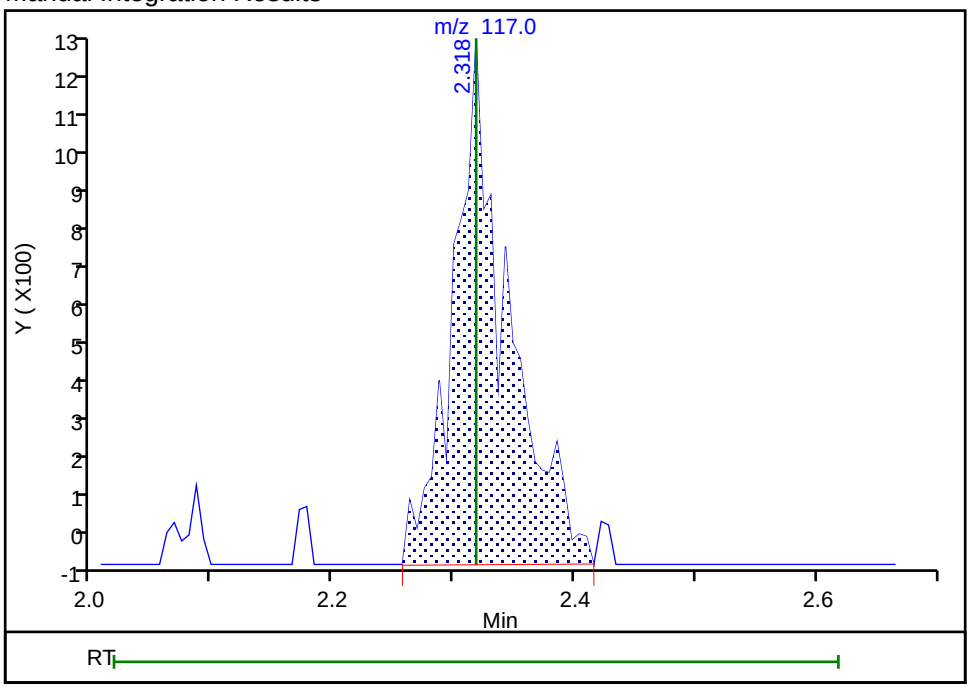
Processing Integration Results

RT: 2.32
Area: 1900
Amount: 0.540762
Amount Units: ug/l



Manual Integration Results

RT: 2.32
Area: 3979
Amount: 1.108232
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:31:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

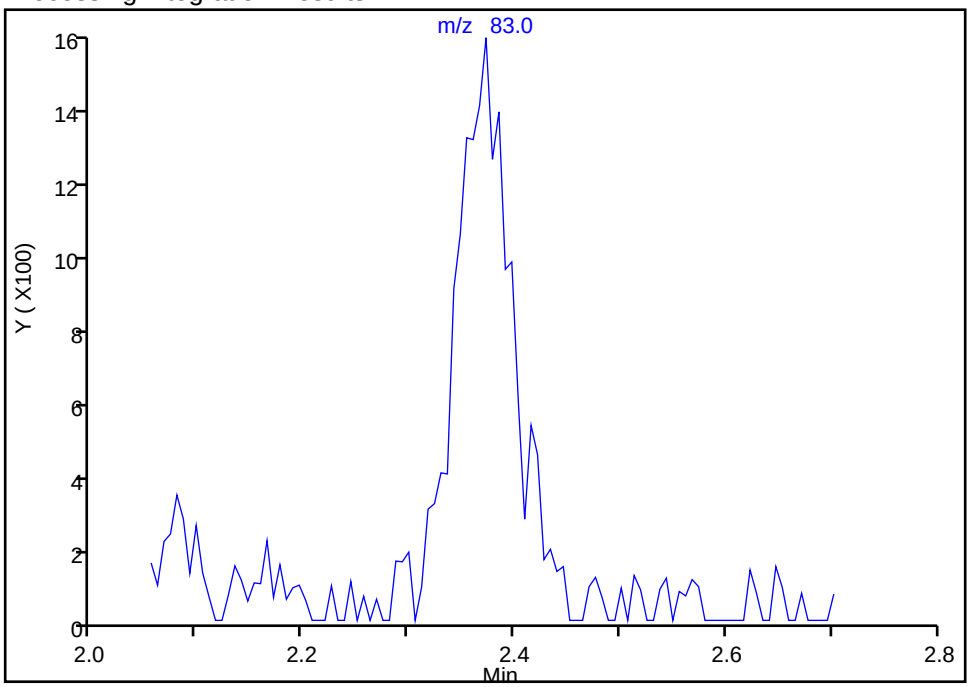
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

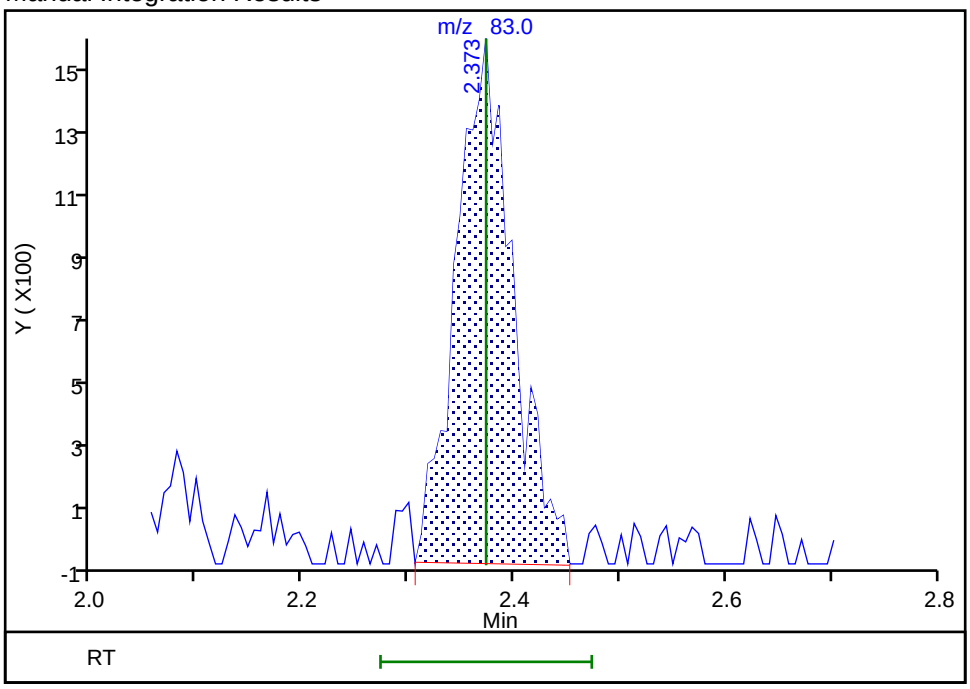
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 5847
Amount: 1.065640
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:31:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

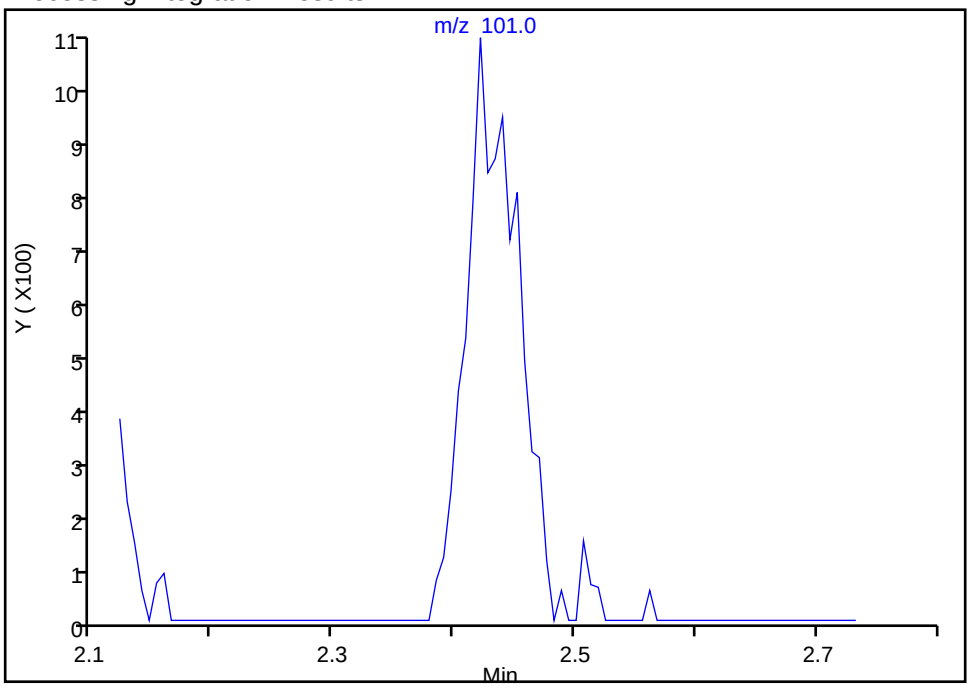
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

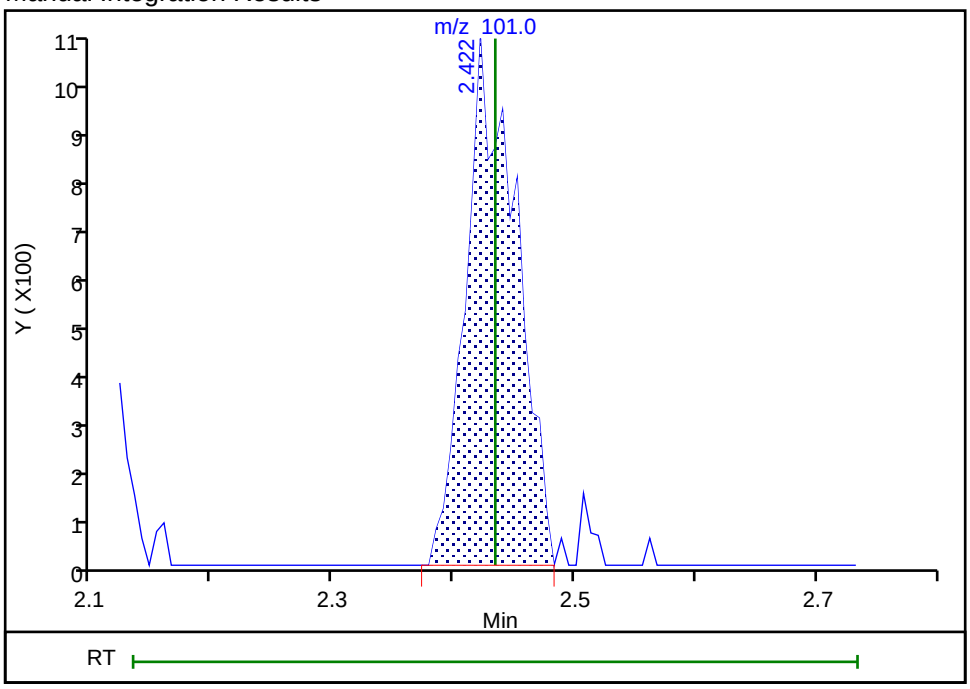
Not Detected
Expected RT: 2.43

Processing Integration Results



Manual Integration Results

RT: 2.42
Area: 3167
Amount: 0.895154
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:31:47
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

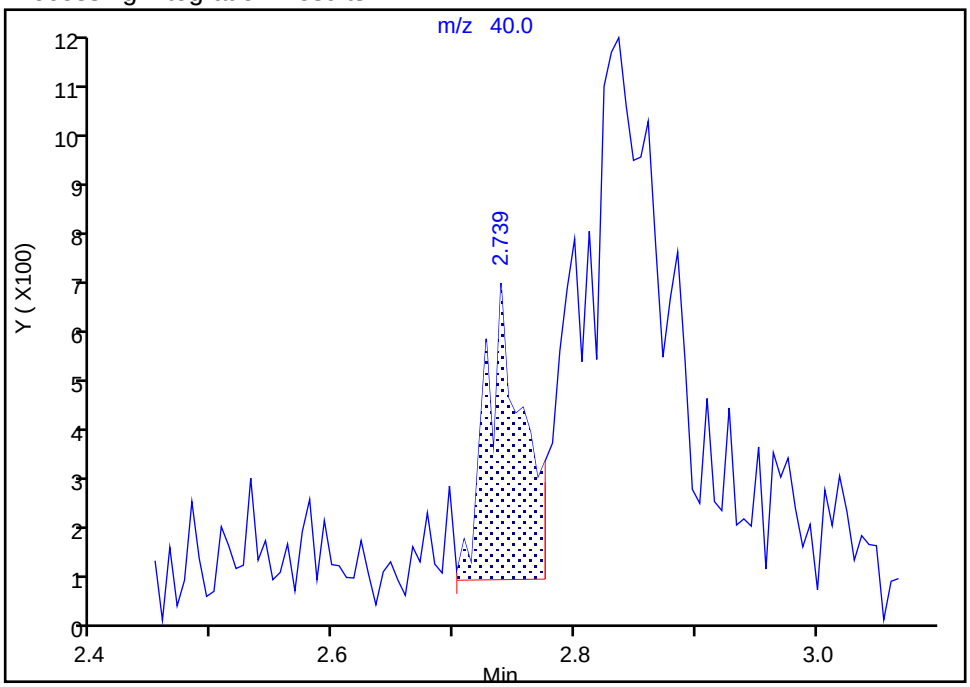
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

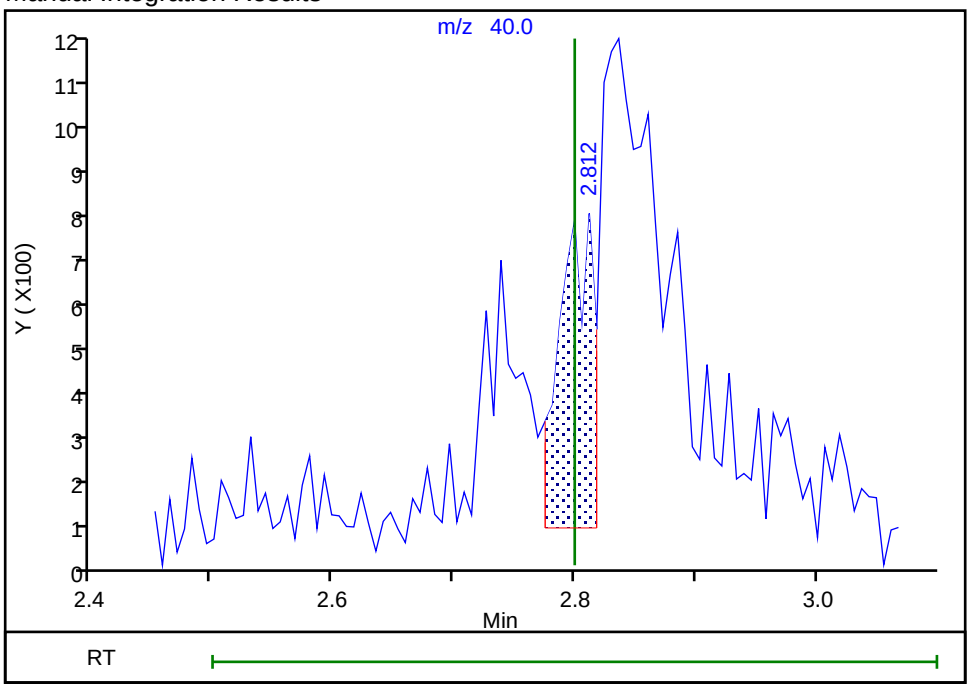
Processing Integration Results

RT: 2.74
Area: 1144
Amount: 6.245138
Amount Units: ug/l



Manual Integration Results

RT: 2.81
Area: 1246
Amount: 6.910689
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:09:34
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

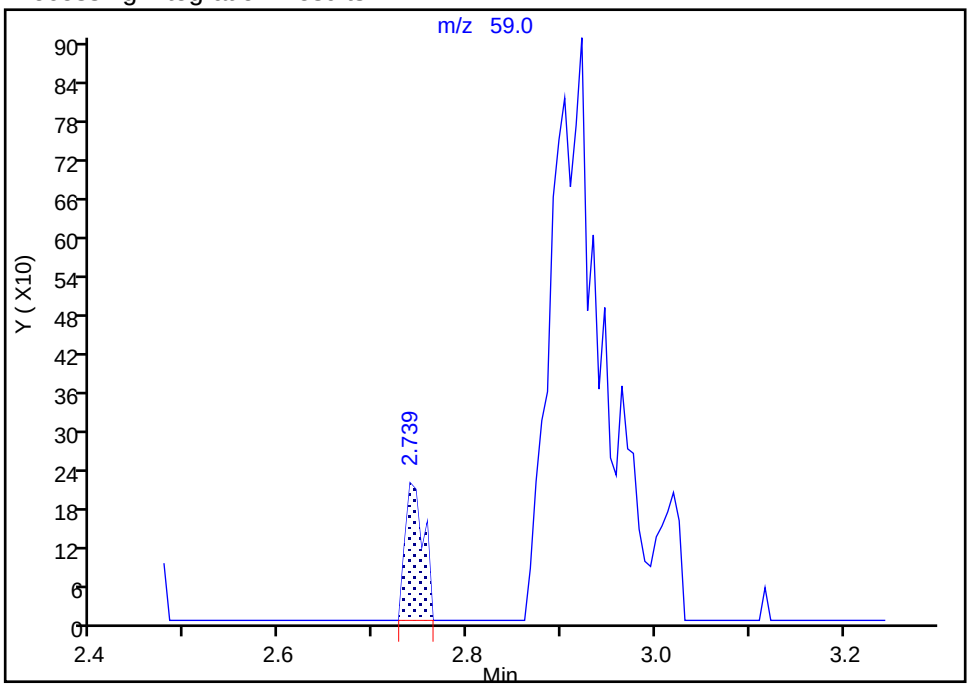
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

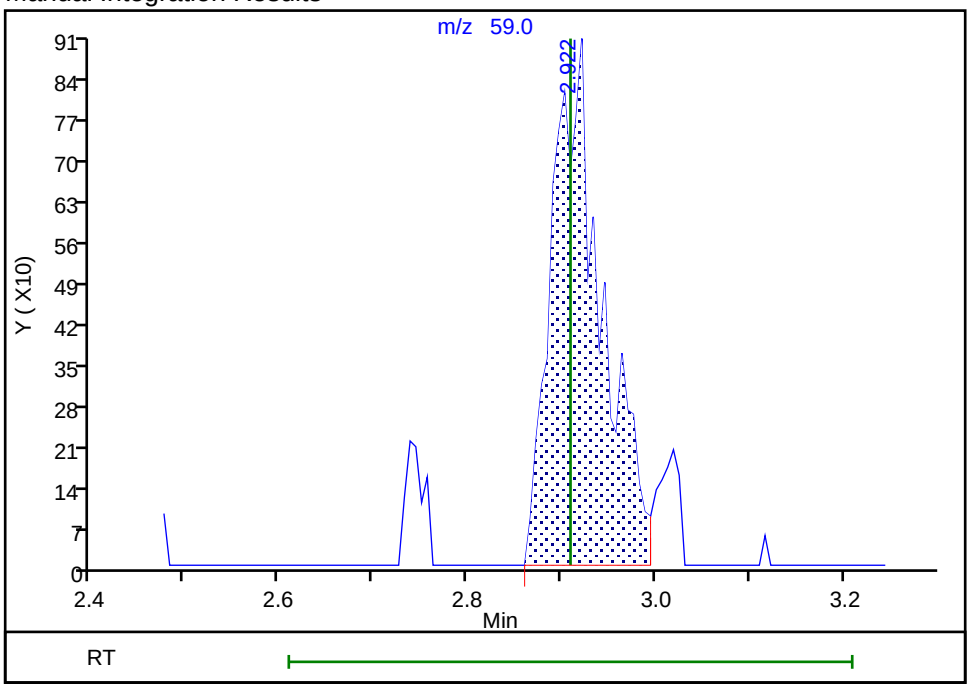
Processing Integration Results

RT: 2.74
Area: 291
Amount: 0.948572
Amount Units: ug/l



Manual Integration Results

RT: 2.92
Area: 3349
Amount: 11.531153
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:32:33
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

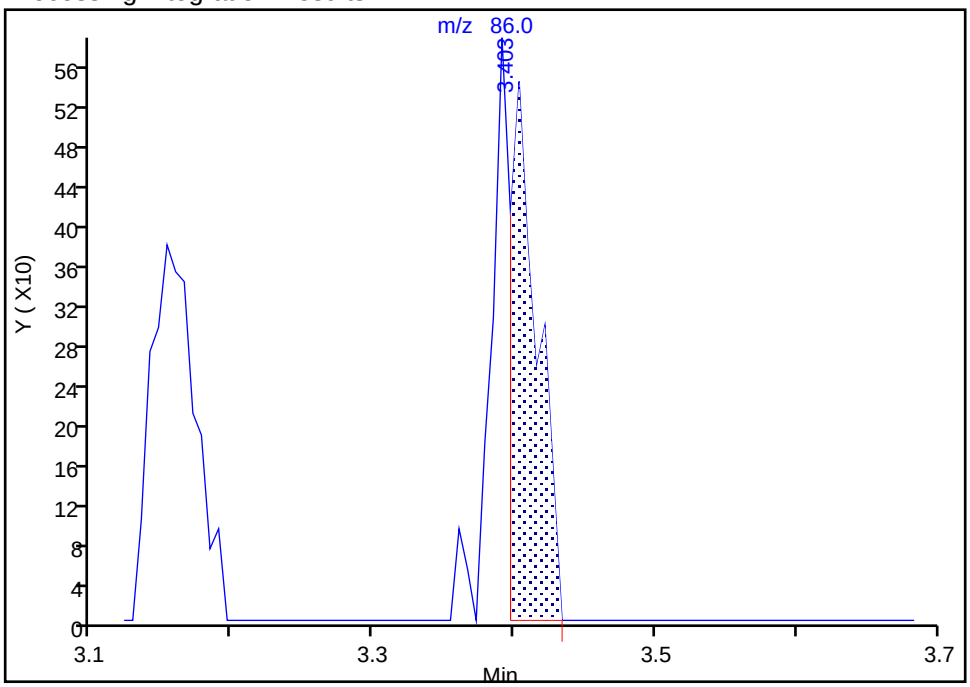
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

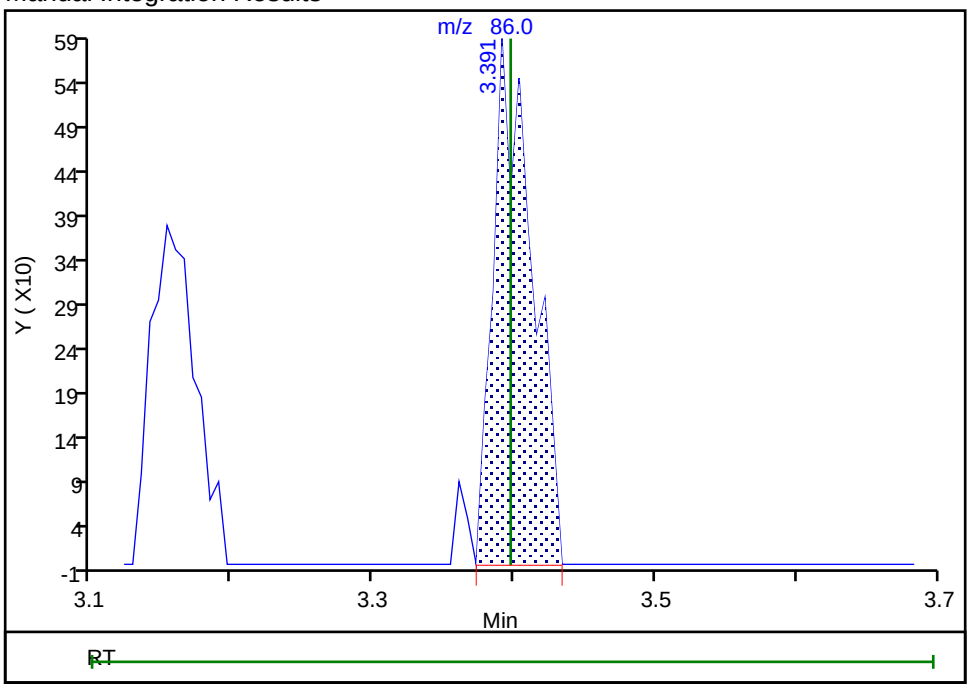
Processing Integration Results

RT: 3.40
Area: 738
Amount: 1.070409
Amount Units: ug/l



Manual Integration Results

RT: 3.39
Area: 1133
Amount: 1.853717
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:33:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

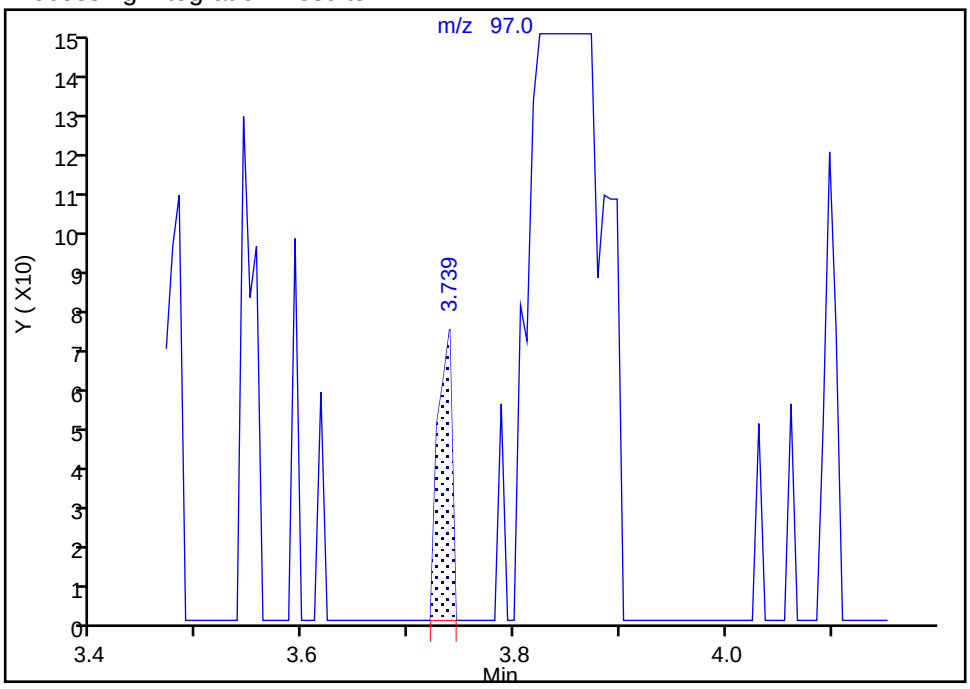
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

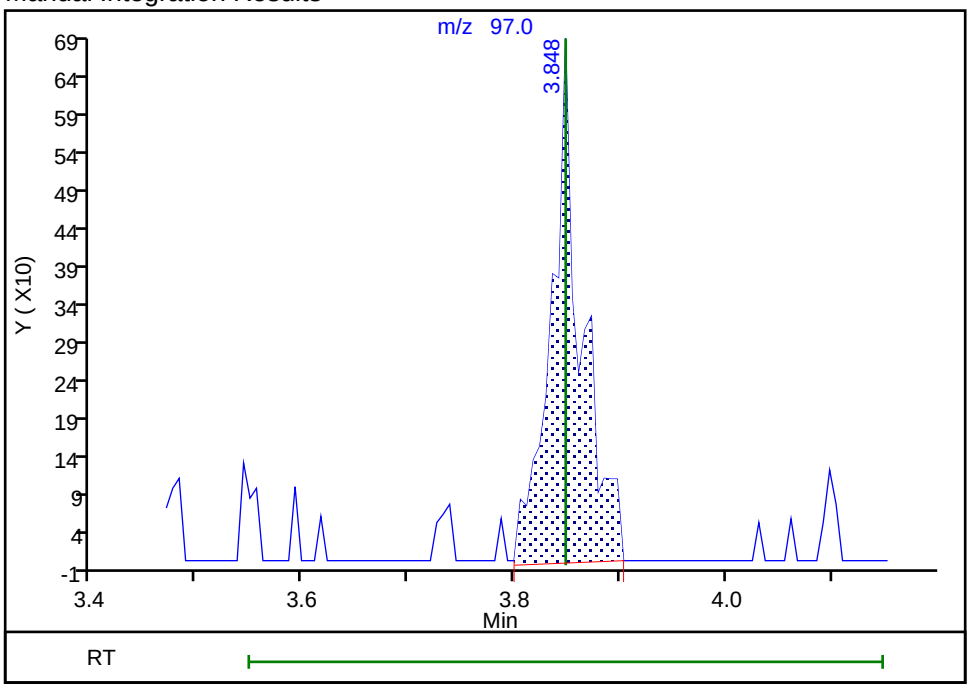
Processing Integration Results

RT: 3.74
Area: 68
Amount: 0.056993
Amount Units: ug/l



Manual Integration Results

RT: 3.85
Area: 1373
Amount: 1.064677
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:33:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

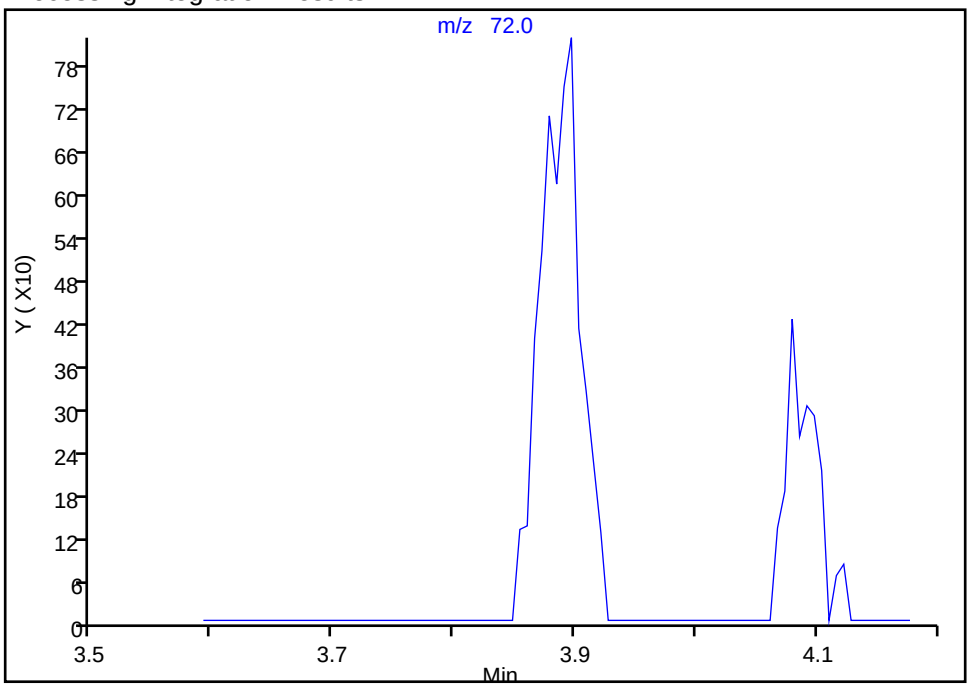
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

45 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

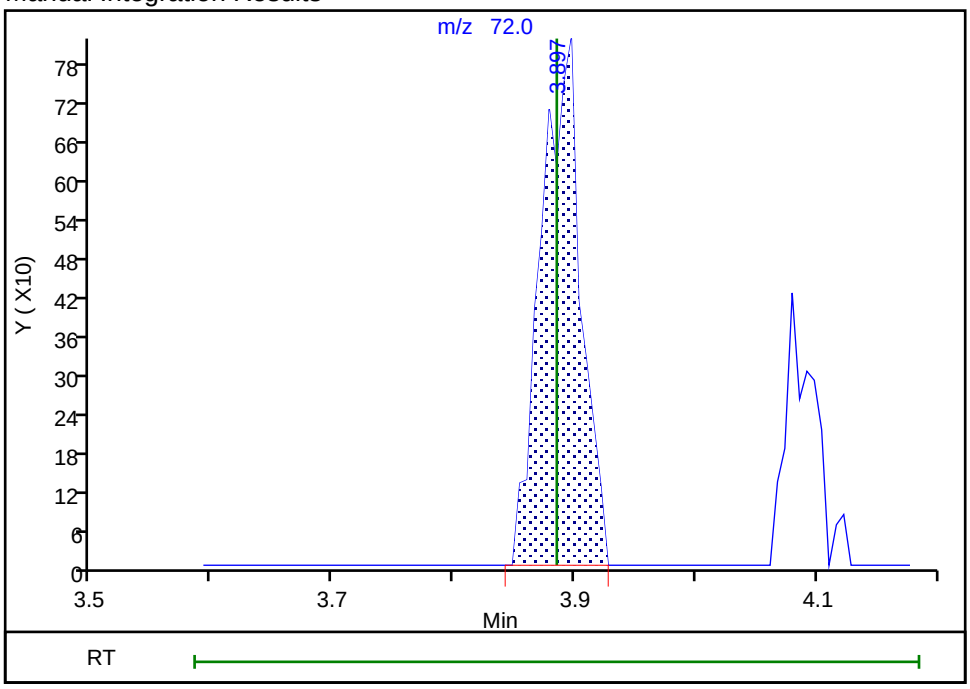
Not Detected
Expected RT: 3.88

Processing Integration Results



Manual Integration Results

RT: 3.90
Area: 1885
Amount: 5.886927
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:33:45
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

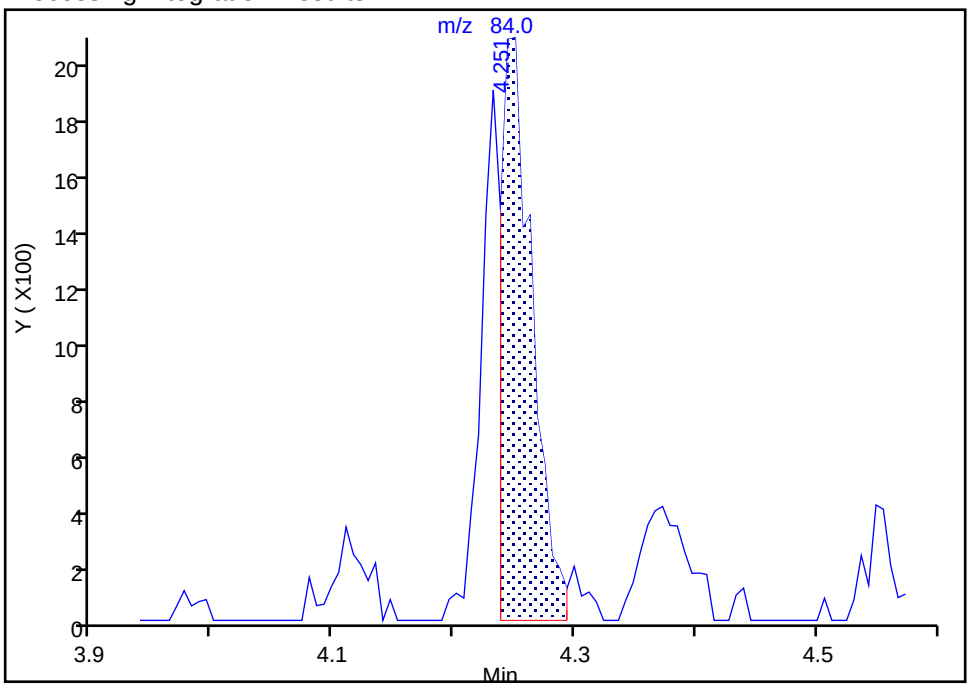
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

53 Cyclohexane, CAS: 110-82-7

Signal: 1

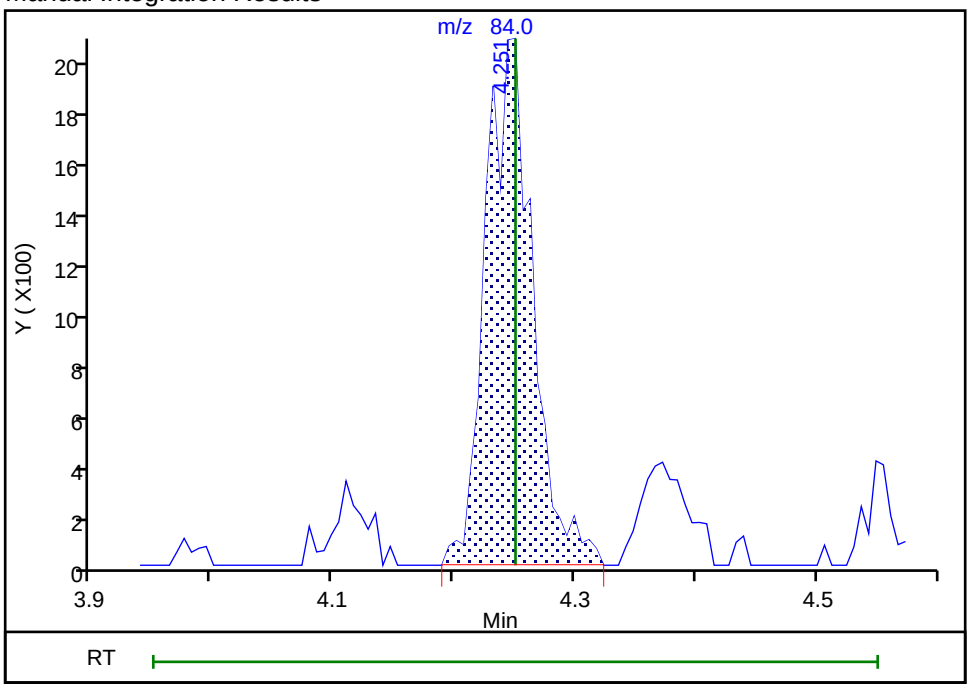
Processing Integration Results

RT: 4.25
Area: 3646
Amount: 0.733641
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 5438
Amount: 1.040620
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:34:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

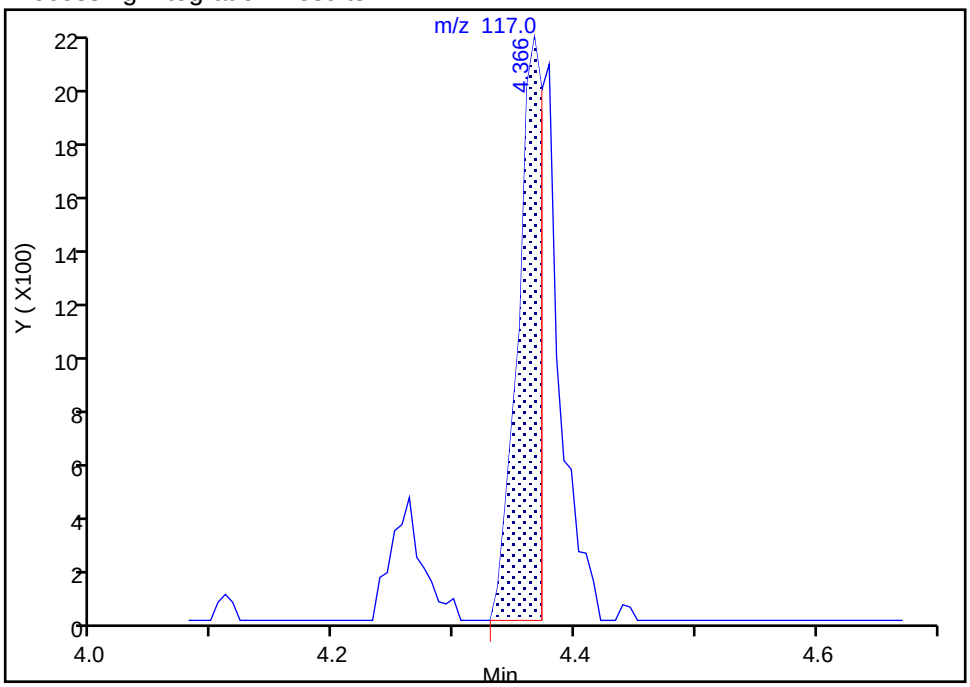
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

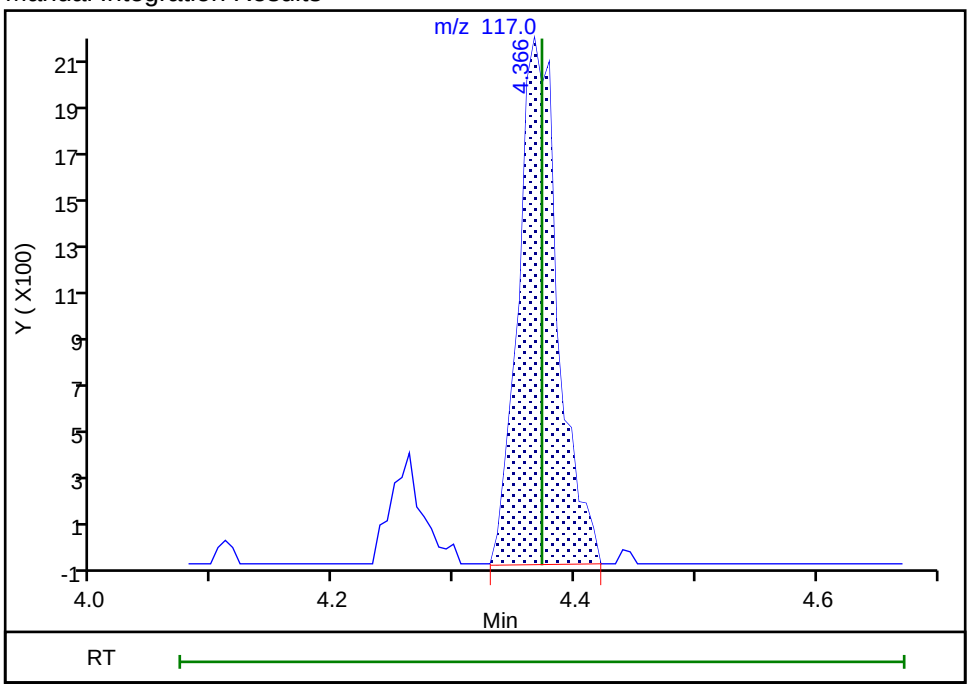
Processing Integration Results

RT: 4.37
Area: 3160
Amount: 0.679819
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 4977
Amount: 1.014086
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:34:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

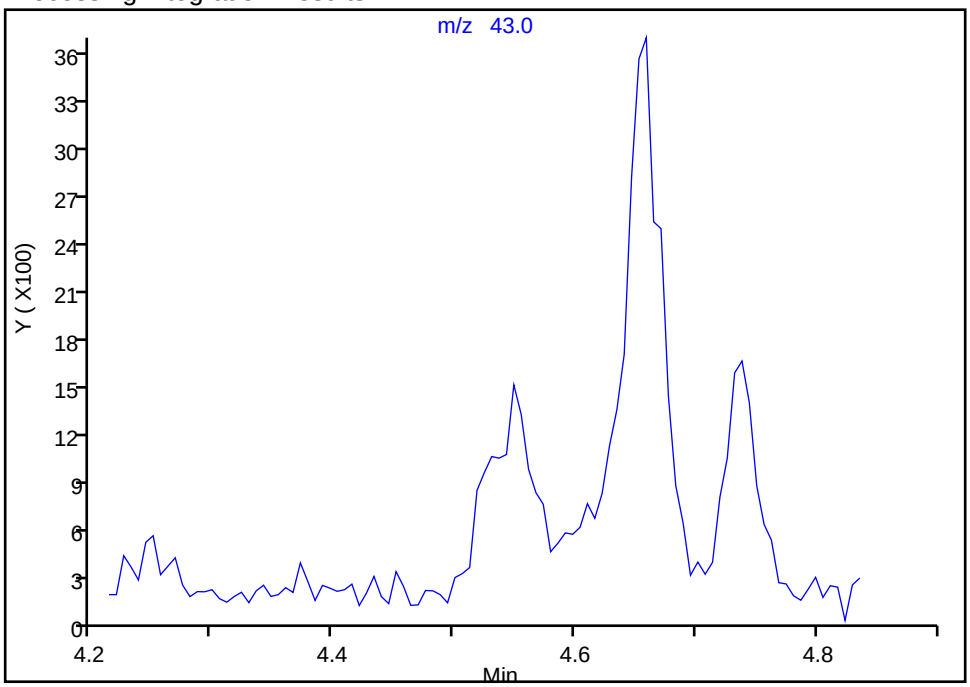
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

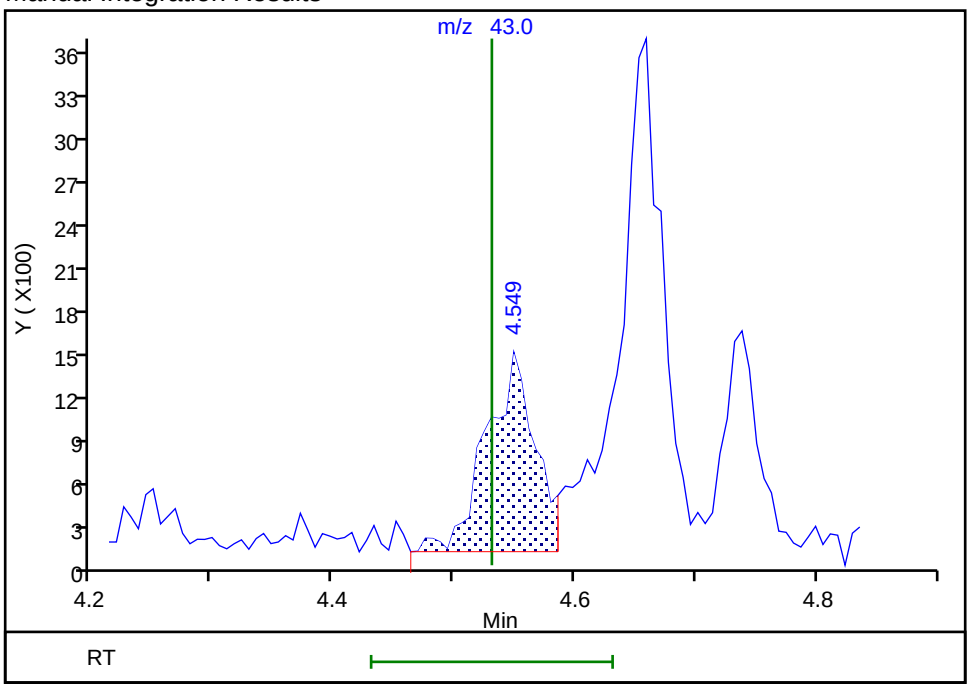
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.55
Area: 3924
Amount: 22.370182
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:34:25
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

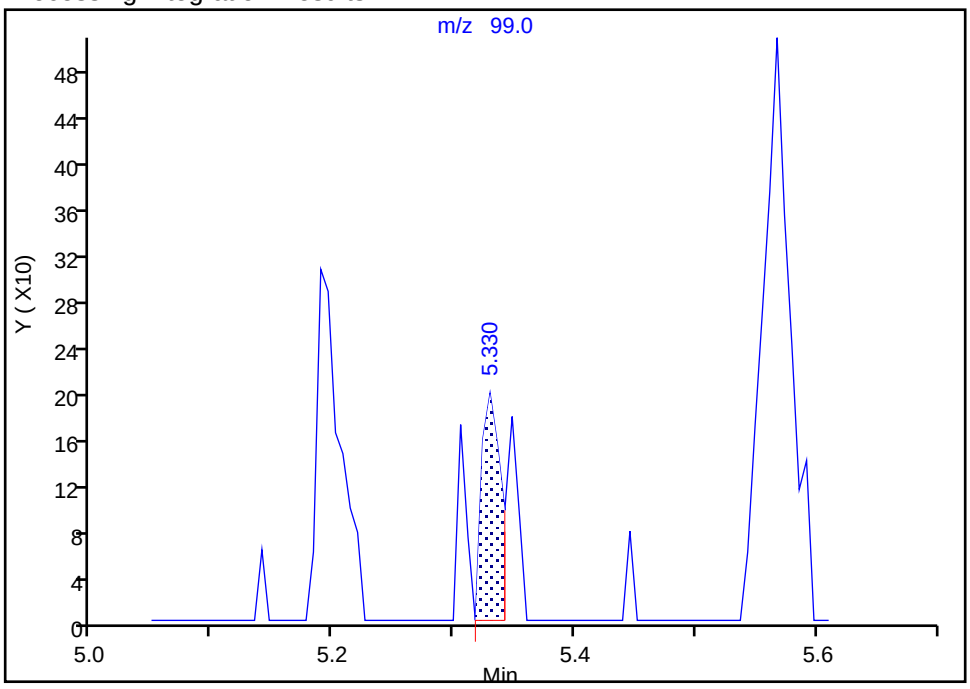
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

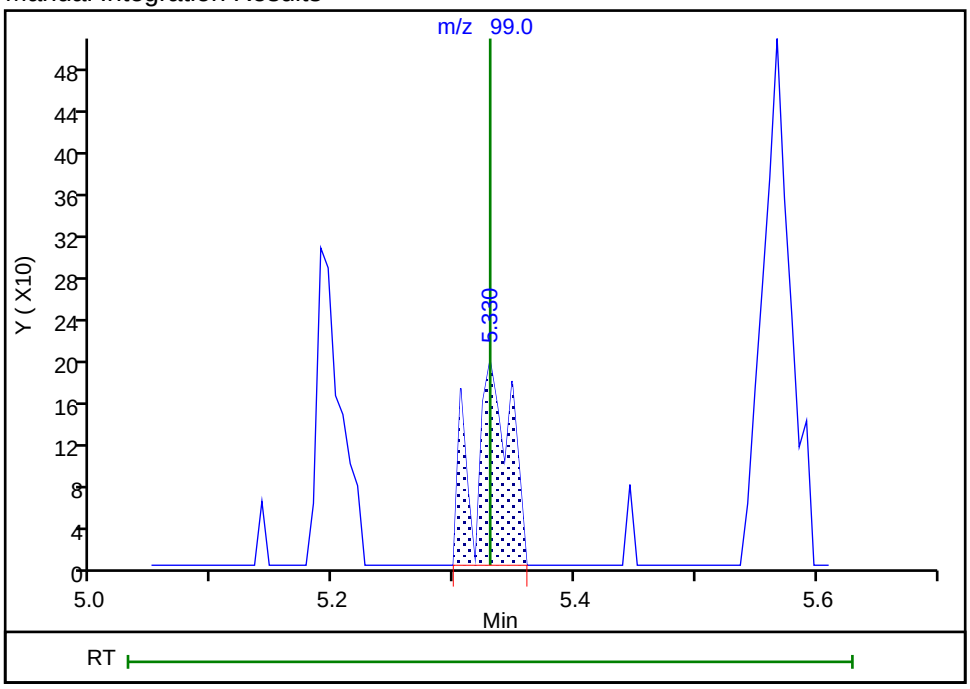
Processing Integration Results

RT: 5.33
Area: 219
Amount: 0.384572
Amount Units: ug/l



Manual Integration Results

RT: 5.33
Area: 404
Amount: 0.882291
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:42:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

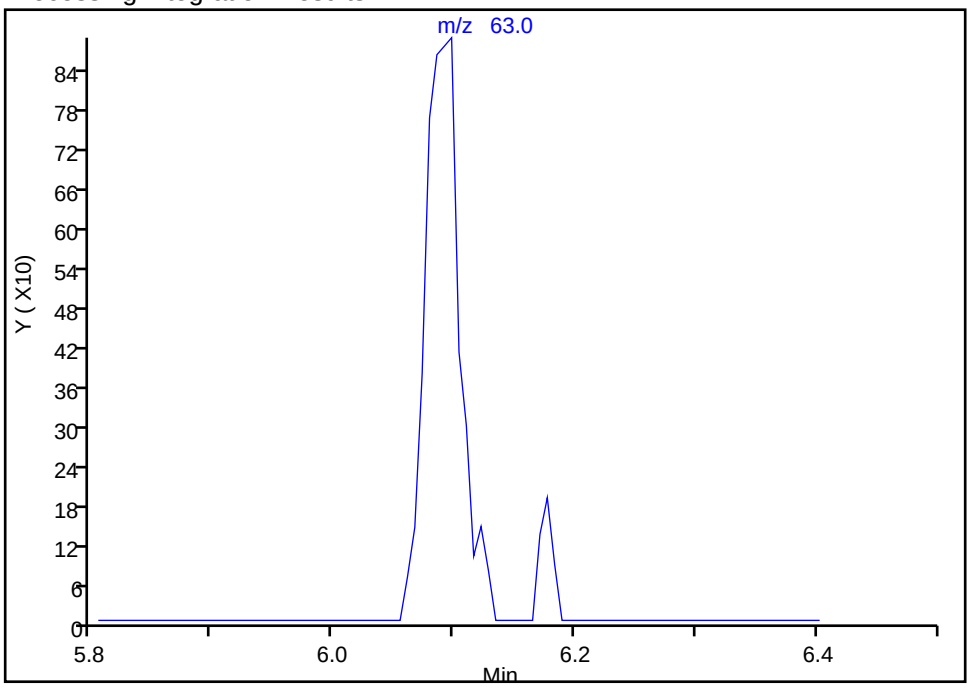
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0991.D
Injection Date: 21-Dec-2019 11:34:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

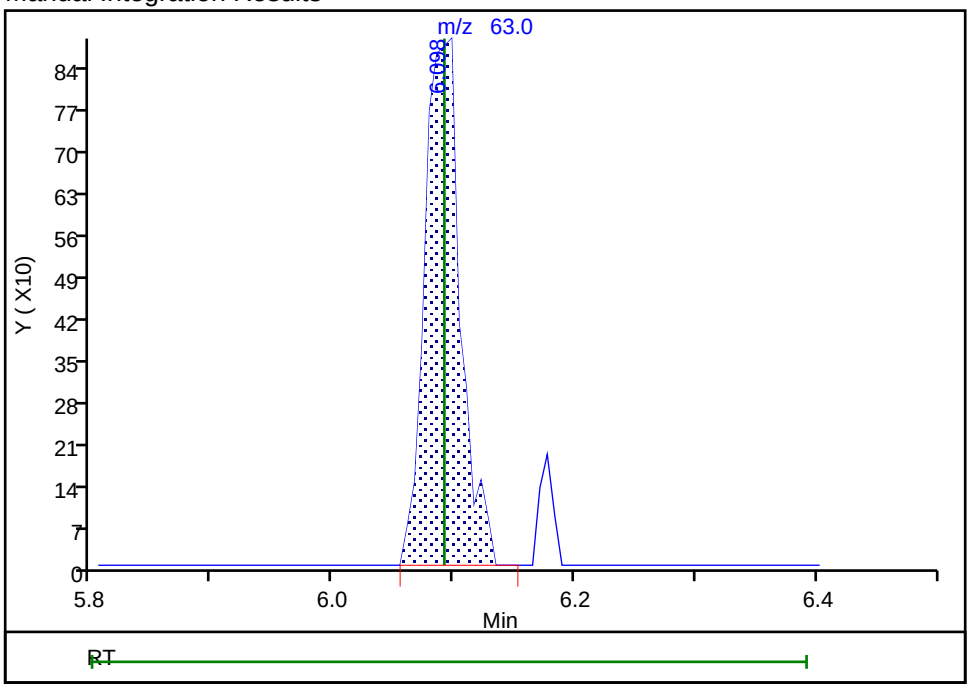
Not Detected
Expected RT: 6.09

Processing Integration Results



Manual Integration Results

RT: 6.10
Area: 1828
Amount: 1.036186
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:34:46
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0992.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2019 11:55:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0103229-005
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:28:47 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: desais Date: 21-Dec-2019 12:29:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.282	1.288	-0.006	66	1671	5.00	7.16	
2 1,1-Difluoroethane	51	1.367	1.373	-0.006	90	16271	5.00	5.46	
3 Chlorotrifluoroethene	116	1.367	1.373	-0.006	74	7077	5.00	5.10	
4 Dichlorodifluoromethane	85	1.392	1.398	-0.006	98	32305	5.00	5.37	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	99	24668	5.00	5.65	
6 Chloromethane	50	1.550	1.550	0.000	99	20575	5.00	5.17	
7 Vinyl chloride	62	1.623	1.623	0.000	97	22075	5.00	5.31	
8 Butadiene	54	1.617	1.623	-0.006	86	16933	5.00	5.02	
9 Bromomethane	94	1.861	1.867	-0.006	97	16344	5.00	5.51	
10 Chloroethane	64	1.922	1.922	0.000	98	11213	5.00	5.44	
11 Dichlorofluoromethane	67	2.074	2.080	-0.006	98	37956	5.00	5.39	
12 Trichlorofluoromethane	101	2.093	2.093	0.000	80	34066	5.00	5.42	
13 Pentane	72	2.099	2.099	0.000	92	5838	10.0	10.2	
15 Ethyl ether	74	2.269	2.269	0.000	93	9873	5.00	5.14	
14 Ethanol	46	2.276	2.269	0.007	60	2651	200.0	186.7	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	94	14148	5.00	5.41	
17 1,2-Dichloro-1,1,2-trifluo	117	2.318	2.318	0.000	86	17084	5.00	4.93	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	95	26984	5.00	5.09	a
19 Acrolein	56	2.422	2.422	0.000	96	9349	20.0	21.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.446	2.434	0.012	84	19342	5.00	5.66	a
21 1,1-Dichloroethene	96	2.452	2.452	0.000	97	19663	5.00	5.68	
22 Acetone	43	2.532	2.532	0.000	88	19028	25.0	24.8	
23 Iodomethane	142	2.586	2.593	-0.006	99	37234	5.00	5.38	
25 Isopropyl alcohol	45	2.611	2.617	-0.006	31	8878	50.0	53.2	a
24 Carbon disulfide	76	2.617	2.623	-0.006	99	72370	5.00	5.51	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	90	10789	5.00	5.23	
27 Methyl acetate	43	2.745	2.745	0.000	58	17933	10.0	9.68	
28 Cyclopentene	67	2.751	2.751	0.000	93	41099	5.00	5.40	
29 Acetonitrile	40	2.800	2.800	0.000	96	10922	50.0	62.9	
* 31 TBA-d9 (IS)	66	2.842	2.842	0.000	99	42530	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	2.849	2.849	0.000	46	21162	5.00	5.20	
32 2-Methyl-2-propanol	59	2.903	2.910	-0.007	98	15139	50.0	52.0	a
33 Methyl tert-butyl ether	73	2.995	2.995	0.000	97	45765	5.00	5.19	
34 trans-1,2-Dichloroethene	96	3.013	3.019	-0.006	93	19053	5.00	5.21	
35 Acrylonitrile	53	3.086	3.086	0.000	94	51545	50.0	52.6	
36 Hexane	57	3.159	3.159	0.000	89	18971	5.00	5.09	
37 Isopropyl ether	45	3.355	3.361	-0.006	93	44534	5.00	5.32	
38 1,1-Dichloroethane	63	3.385	3.385	0.000	99	30962	5.00	5.49	
39 Vinyl acetate	86	3.397	3.397	0.000	99	6718	10.0	11.4	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	91	16465	5.00	5.43	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	89	47579	5.00	5.24	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	96	213795	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	56	5909	5.00	4.74	
44 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	98	20690	5.00	5.20	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	97	8325	25.0	26.9	
46 Ethyl acetate	70	3.891	3.891	0.000	96	3800	10.0	10.6	
47 Methyl acrylate	55	3.940	3.940	0.000	98	11657	5.00	4.91	
48 Propionitrile	54	4.013	4.007	0.006	99	19431	50.0	52.2	
49 Chlorobromomethane	128	4.074	4.074	0.000	72	10661	5.00	5.35	
50 Tetrahydrofuran	72	4.080	4.080	0.000	48	4005	10.0	10.6	
51 Methacrylonitrile	67	4.104	4.104	0.000	88	62075	50.0	55.1	
52 Chloroform	83	4.123	4.123	0.000	99	31108	5.00	5.32	
53 Cyclohexane	84	4.245	4.251	-0.006	88	28063	5.00	5.56	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	98	29223	5.00	5.45	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	147270	50.0	51.4	
56 Carbon tetrachloride	117	4.373	4.373	0.000	98	25108	5.00	5.30	
57 1,1-Dichloropropene	75	4.403	4.397	0.006	98	22866	5.00	5.44	
58 Isobutyl alcohol	43	4.531	4.531	0.000	95	23461	125.0	133.4	
59 Isooctane	57	4.562	4.568	-0.006	98	50302	5.00	4.68	
60 Benzene	78	4.586	4.586	0.000	95	66463	5.00	5.62	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	97	157711	50.0	49.6	
62 Tert-amyl methyl ether	73	4.653	4.653	0.000	83	51986	5.00	5.25	
63 Isopropyl acetate	61	4.659	4.665	-0.006	87	7950	5.00	5.17	
64 1,2-Dichloroethane	62	4.671	4.677	-0.006	98	22424	5.00	5.23	
65 n-Heptane	100	4.745	4.738	0.007	85	3480	5.00	5.01	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	536958	50.0	50.0	
67 n-Butanol	56	5.171	5.165	0.006	83	9669	125.0	124.6	
68 Trichloroethene	95	5.196	5.196	0.000	97	17157	5.00	5.35	
69 Methylcyclohexane	83	5.318	5.318	0.000	92	30892	5.00	5.50	
70 Ethyl acrylate	99	5.336	5.330	0.006	98	2455	5.00	5.55	
71 1,2-Dichloropropane	63	5.476	5.476	0.000	91	14475	5.00	5.20	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	86	27108	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	82	8065	10.0	10.0	
75 1,4-Dioxane	88	5.604	5.592	0.012	40	3315	100.0	102.9	
74 Dibromomethane	93	5.592	5.598	-0.006	94	10629	5.00	5.30	
76 n-Propyl acetate	43	5.622	5.622	0.000	96	15790	5.00	5.30	
77 Dichlorobromomethane	83	5.750	5.750	0.000	97	20756	5.00	5.05	
78 2-Nitropropane	41	6.086	6.086	0.000	82	7480	10.0	9.72	
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	79	8632	5.01	5.07	
80 Epichlorohydrin	57	6.189	6.183	0.006	98	26531	100.0	101.1	
81 cis-1,3-Dichloropropene	75	6.232	6.238	-0.006	90	23529	5.00	5.06	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	94	56211	25.0	26.0	

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	6.470	6.476	-0.006	100	496882	50.0	50.6	
84 Toluene	91	6.549	6.549	0.000	94	65243	5.00	5.38	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	94	22183	5.00	5.06	
86 Ethyl methacrylate	69	6.939	6.939	0.000	85	18243	5.00	5.02	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	11206	5.00	5.19	
88 Tetrachloroethene	166	7.134	7.134	0.000	96	16460	5.00	5.42	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	92	22242	5.00	5.19	
90 2-Hexanone	43	7.390	7.384	0.006	91	35476	25.0	25.6	
91 n-Butyl acetate	43	7.506	7.506	0.000	97	17116	5.00	5.04	
92 Chlorodibromomethane	129	7.524	7.531	-0.007	98	15555	5.00	5.24	
93 Ethylene Dibromide	107	7.677	7.671	0.006	95	14109	5.00	5.31	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	88	381915	50.0	50.0	
95 Chlorobenzene	112	8.250	8.250	0.000	96	43946	5.00	5.39	
96 Ethylbenzene	106	8.360	8.366	-0.006	98	23649	5.00	5.36	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	96	17130	5.00	5.21	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	30543	5.00	5.55	
99 o-Xylene	106	9.036	9.036	0.000	95	31167	5.00	5.37	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	12049	5.00	5.04	
101 Styrene	104	9.079	9.079	0.000	95	47042	5.00	5.39	
102 Bromoform	173	9.323	9.323	0.000	96	9571	5.00	4.95	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	92	23786	5.00	4.96	
104 Isopropylbenzene	105	9.488	9.488	0.000	96	79256	5.00	5.42	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	152511	50.0	50.3	
106 Bromobenzene	156	9.853	9.859	-0.006	98	19445	5.00	5.25	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	97	18243	5.00	5.21	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	92783	5.00	5.51	
109 1,2,3-Trichloropropane	110	9.975	9.981	-0.006	95	6269	5.00	5.86	
110 trans-1,4-Dichloro-2-buten	53	10.006	10.012	-0.006	93	4296	5.00	4.83	
111 2-Chlorotoluene	91	10.061	10.061	0.000	97	63279	5.00	5.26	
112 4-Ethyltoluene	105	10.085	10.085	0.000	99	78677	5.00	5.36	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	69385	5.00	5.43	
114 4-Chlorotoluene	91	10.189	10.195	-0.006	98	63409	5.00	5.39	
115 Butyl Methacrylate	87	10.298	10.298	0.000	85	24381	5.00	5.26	
116 tert-Butylbenzene	119	10.475	10.475	0.000	94	55219	5.00	5.31	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	72219	5.00	5.39	
118 sec-Butylbenzene	105	10.695	10.695	0.000	99	87535	5.00	5.58	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	37818	5.00	5.41	
120 4-Isopropyltoluene	119	10.841	10.841	0.000	98	77477	5.00	5.62	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	96	210103	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	94	36871	5.00	5.37	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	75047	5.00	5.32	
124 Benzyl chloride	91	11.066	11.066	0.000	98	27390	5.00	3.12	
125 2,3-Dihydroindene	117	11.121	11.121	0.000	95	68256	5.00	5.24	
126 p-Diethylbenzene	119	11.201	11.201	0.000	93	43120	5.00	5.41	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	38511	5.00	5.63	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	95	37987	5.00	5.40	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	77410	5.00	5.11	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	94	4571	5.00	5.05	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	97	31844	5.00	5.28	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	93	32172	5.00	5.41	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	94	12474	5.00	5.68	
134 Naphthalene	128	12.767	12.767	0.000	99	80834	5.00	5.34	

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	12.950	12.950	0.000	96	32097	5.00	5.47	
S 136 1,2-Dichloroethene, Total	100				0		10.0	10.4	
S 137 Xylenes, Total	100				0		10.0	10.9	
S 138 Total 1,2-dichloroethene	1				0			10.4	
S 139 1,3-Dichloropropene, Total	1				0		10.0	10.1	
S 140 Total BTEX	1				0		25.0	27.3	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	10.00	Units: uL	
GASES Li_00346	Amount Added:	10.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
524freon_00016	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:28:51 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0992.D

Injection Date: 21-Dec-2019 11:55:30 Instrument ID: CVOAMS17

Lims ID: STD5

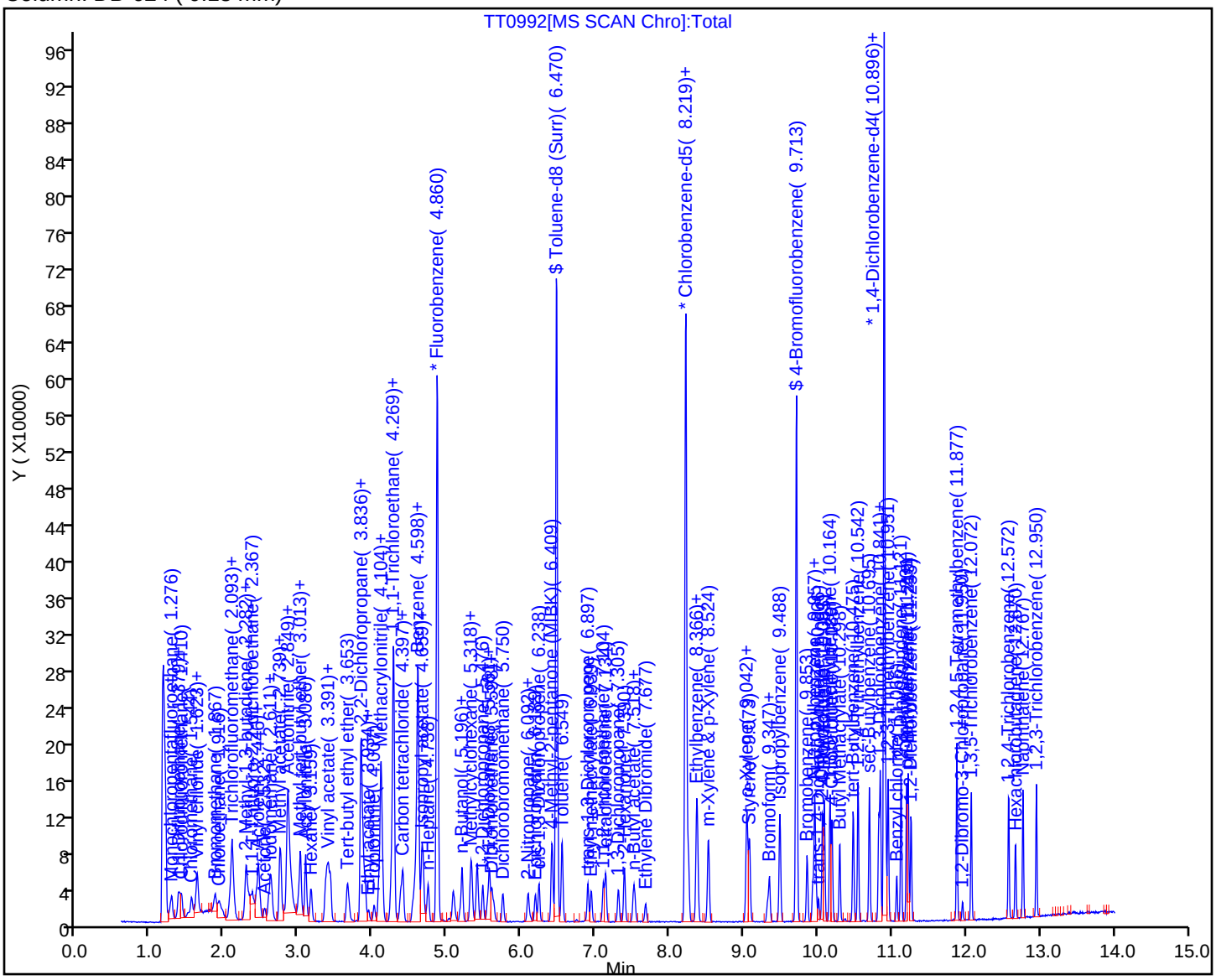
Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 5

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

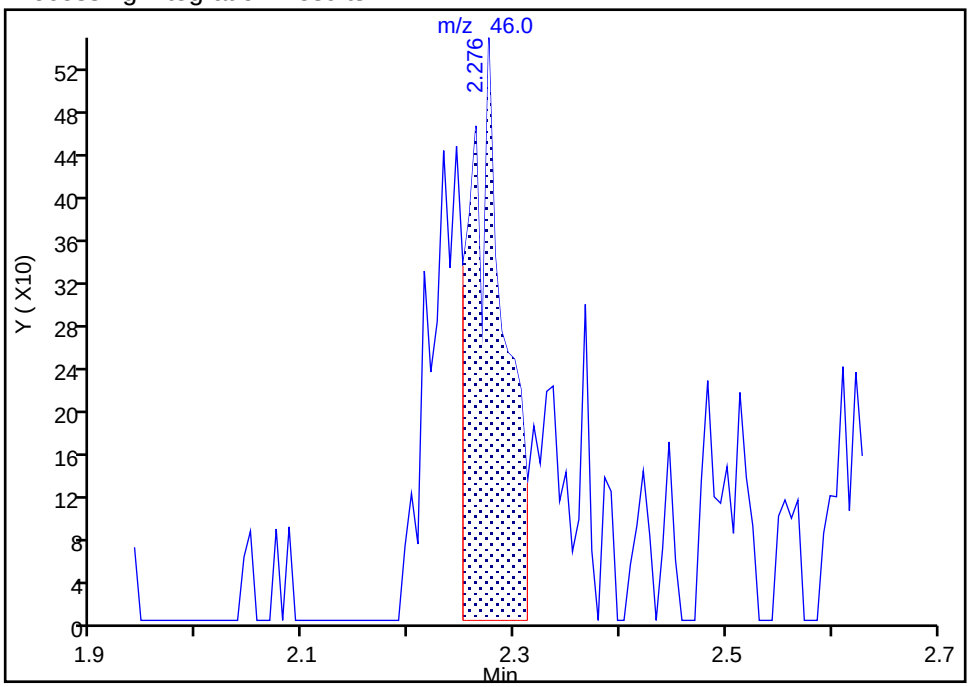
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0992.D
Injection Date: 21-Dec-2019 11:55:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

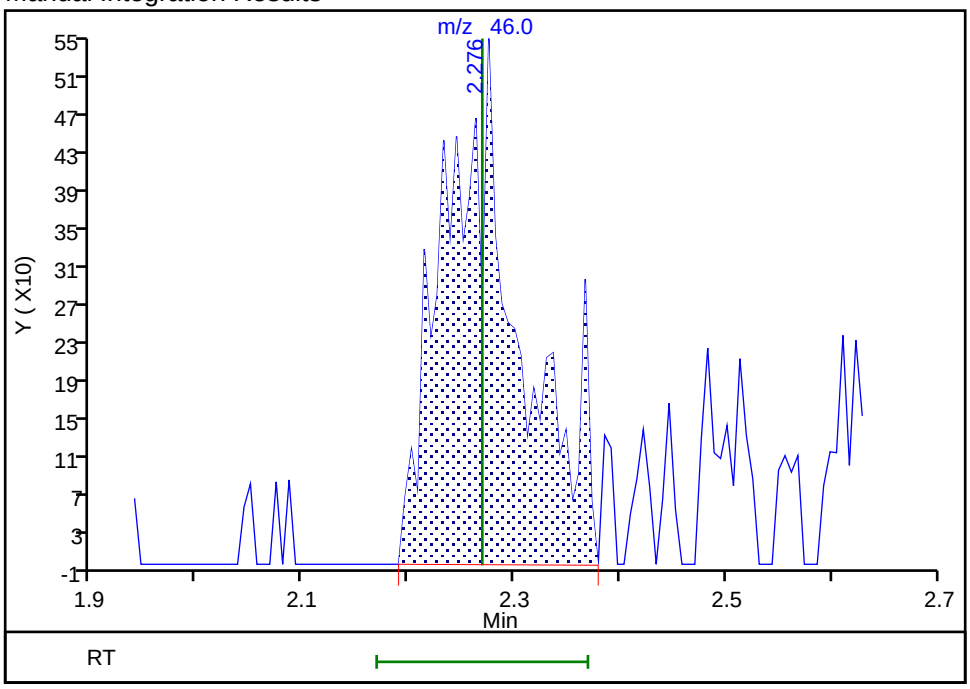
Processing Integration Results

RT: 2.28
Area: 1247
Amount: 92.618005
Amount Units: ug/l



Manual Integration Results

RT: 2.28
Area: 2651
Amount: 186.7020
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:24:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

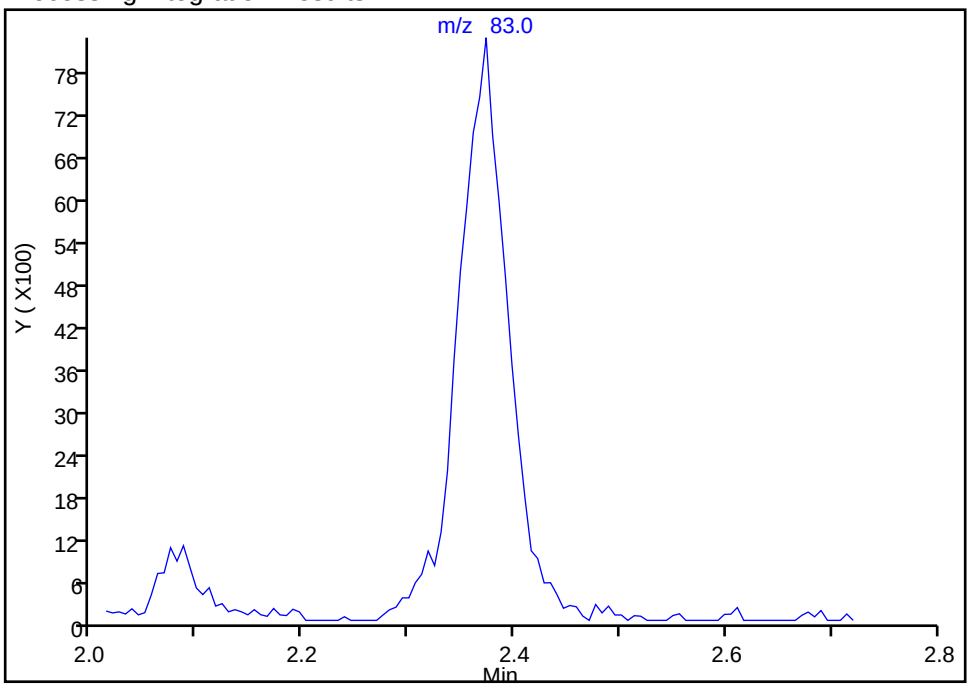
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0992.D
Injection Date: 21-Dec-2019 11:55:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

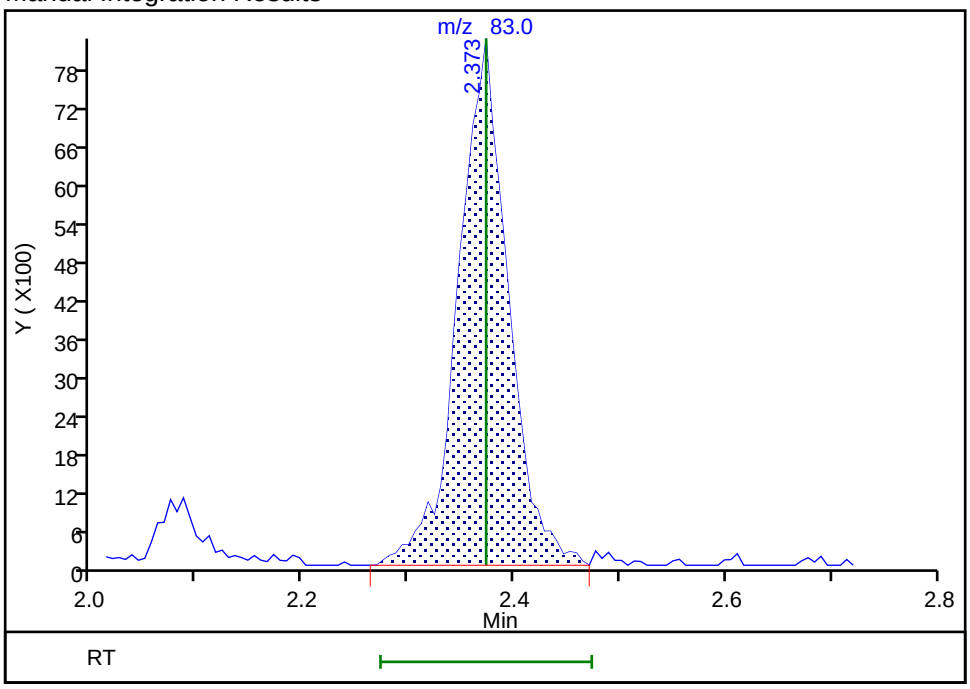
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 26984
Amount: 5.091113
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:27:32
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

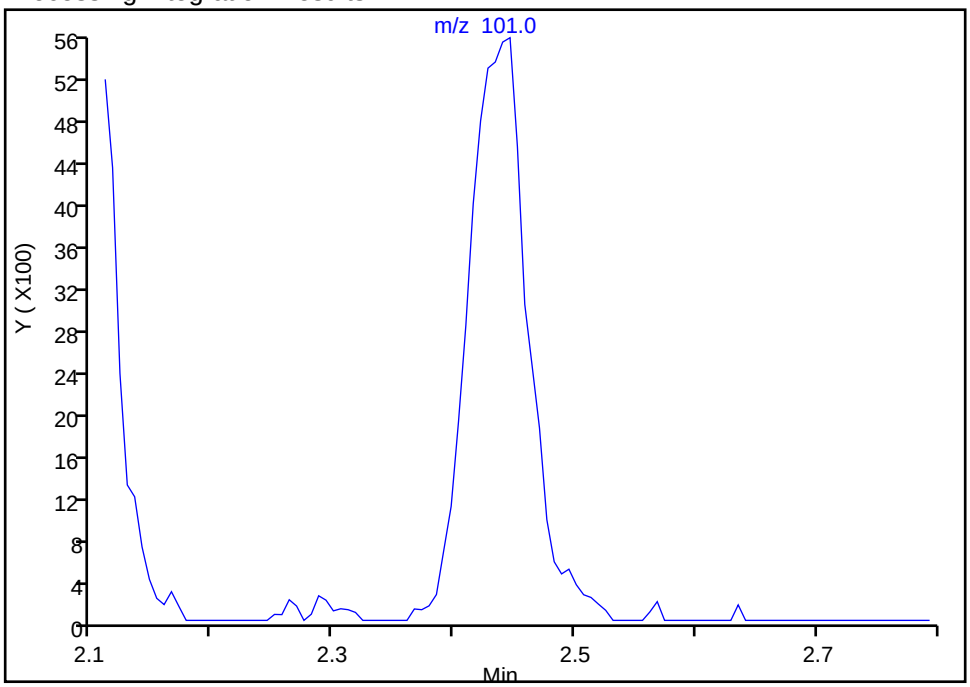
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0992.D
Injection Date: 21-Dec-2019 11:55:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

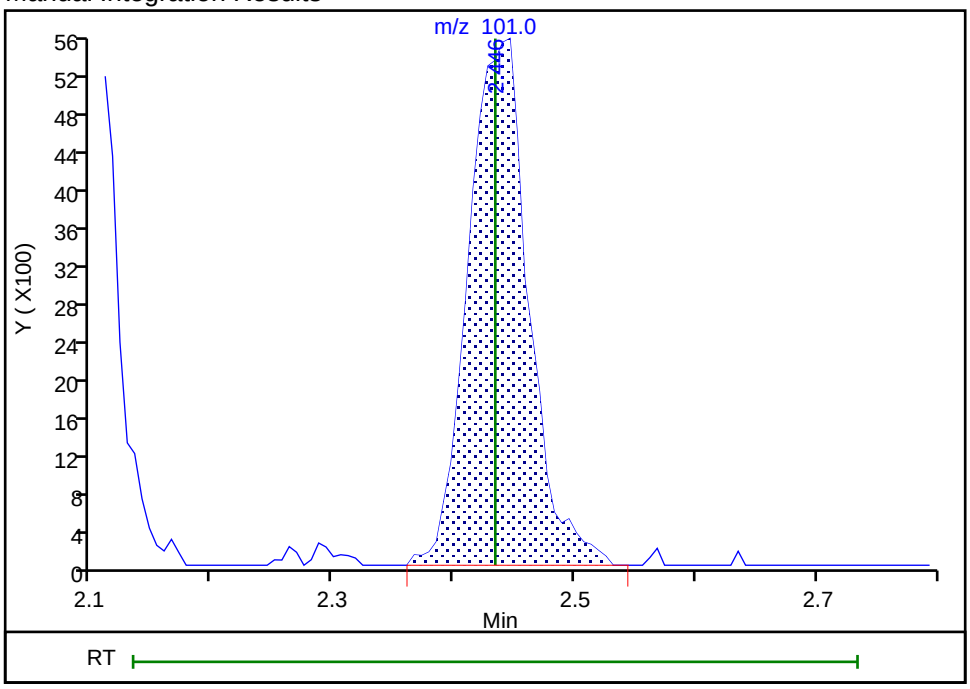
Not Detected
Expected RT: 2.43

Processing Integration Results



Manual Integration Results

RT: 2.45
Area: 19342
Amount: 5.659529
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:27:41
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

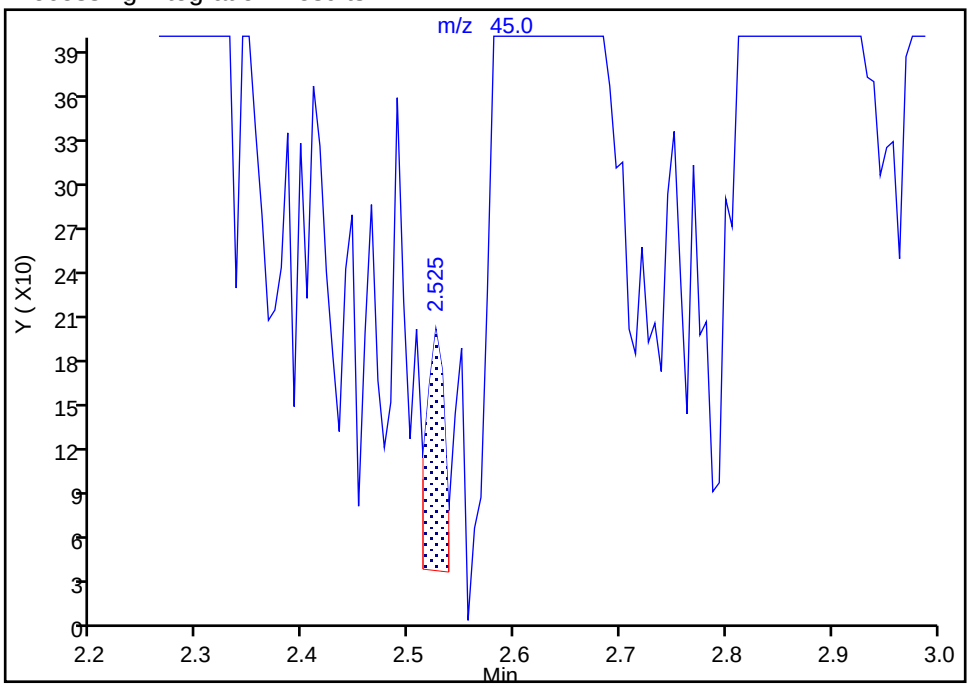
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0992.D
Injection Date: 21-Dec-2019 11:55:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

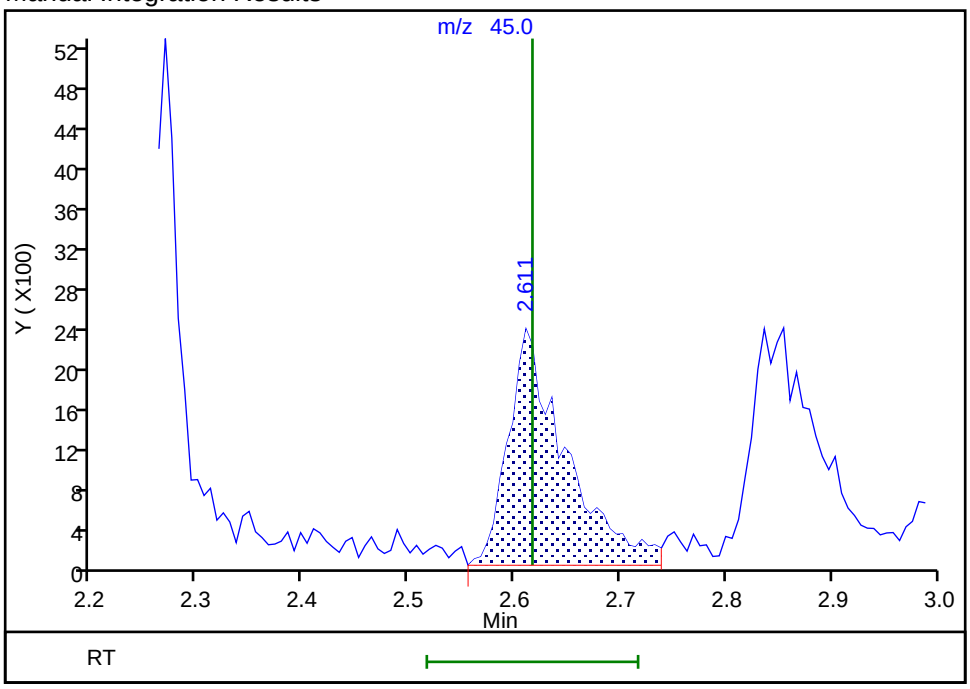
Processing Integration Results

RT: 2.53
Area: 200
Amount: 1.022455
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 8878
Amount: 53.200795
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:27:48
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

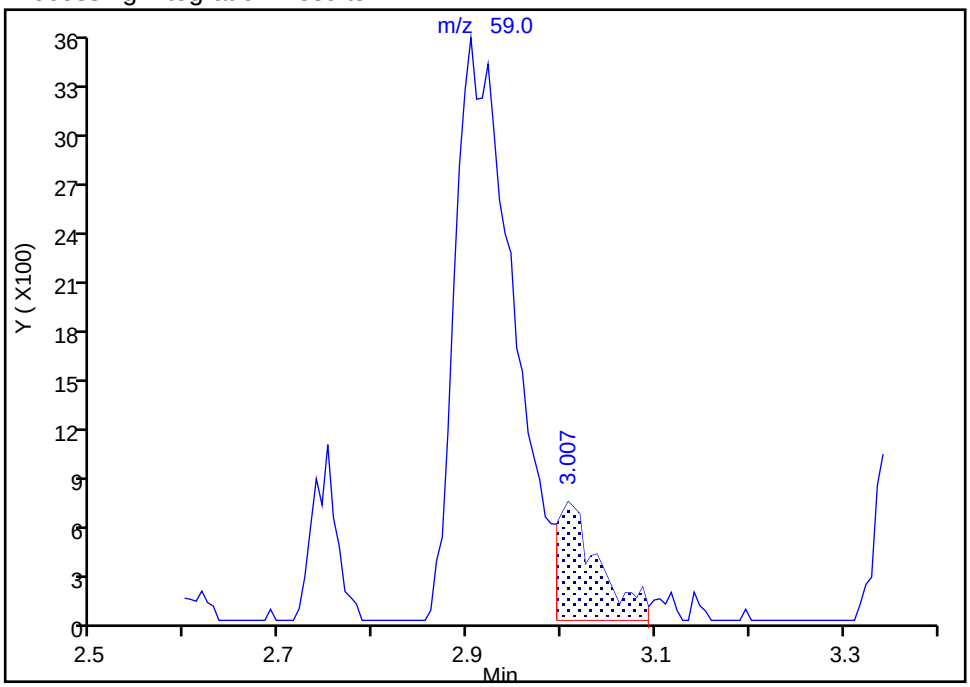
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0992.D
Injection Date: 21-Dec-2019 11:55:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

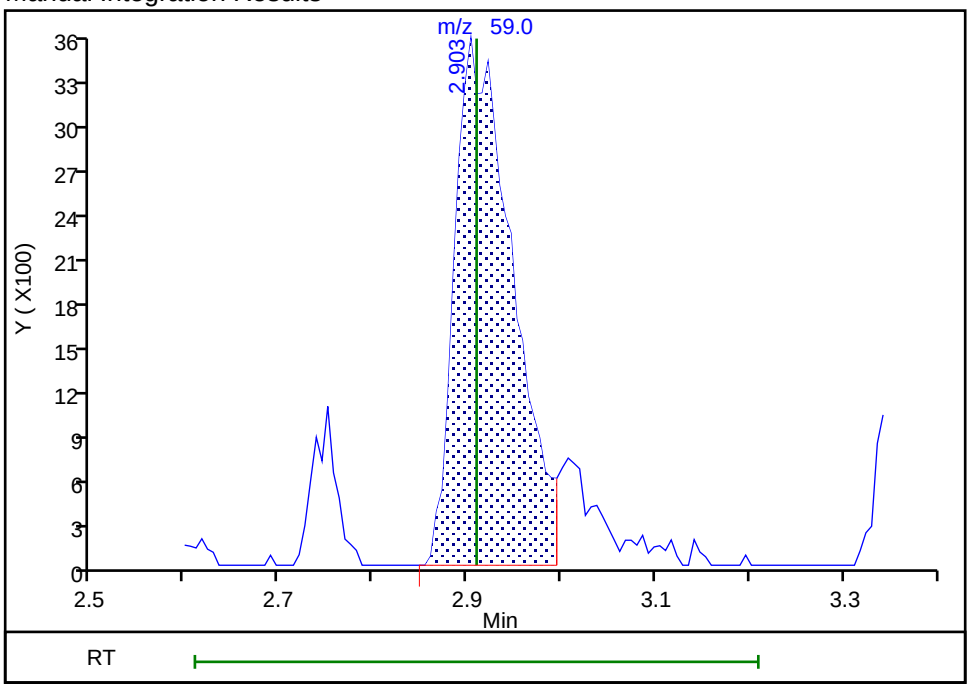
Processing Integration Results

RT: 3.01
Area: 2202
Amount: 7.171391
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 15139
Amount: 51.999807
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:28:00
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0993.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 21-Dec-2019 12:16:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0103229-006
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:28:59 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: pakanatir Date: 21-Dec-2019 12:41:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.288	1.288	0.000	71	6992	20.0	31.6	
2 1,1-Difluoroethane	51	1.373	1.373	0.000	90	55278	20.0	19.6	
3 Chlorotrifluoroethene	116	1.373	1.373	0.000	70	30459	20.0	23.1	
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	99	105837	20.0	18.5	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	98	84365	20.0	20.4	
6 Chloromethane	50	1.550	1.550	0.000	98	67740	20.0	17.9	
7 Vinyl chloride	62	1.623	1.623	0.000	98	71896	20.0	18.3	
8 Butadiene	54	1.623	1.623	0.000	77	56598	20.0	17.7	
9 Bromomethane	94	1.867	1.867	0.000	98	54839	20.0	19.4	
10 Chloroethane	64	1.922	1.922	0.000	98	37786	20.0	20.1	
11 Dichlorofluoromethane	67	2.080	2.080	0.000	97	130975	20.0	19.6	
12 Trichlorofluoromethane	101	2.093	2.093	0.000	78	117878	20.0	19.8	
13 Pentane	72	2.099	2.099	0.000	94	20656	40.0	37.9	
15 Ethyl ether	74	2.269	2.269	0.000	93	35178	20.0	19.3	
14 Ethanol	46	2.269	2.269	0.000	62	9475	800.0	719.5	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	96	47529	20.0	19.2	
17 1,2-Dichloro-1,1,2-trifluo	117	2.318	2.318	0.000	86	63415	20.0	19.3	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	92	97244	20.0	19.3	a
19 Acrolein	56	2.422	2.422	0.000	93	14672	40.0	36.6	
20 1,1,2-Trichloro-1,2,2-trif	101	2.434	2.434	0.000	96	70942	20.0	21.9	
21 1,1-Dichloroethene	96	2.452	2.452	0.000	98	62524	20.0	19.1	
22 Acetone	43	2.532	2.532	0.000	88	66560	100.0	91.1	
23 Iodomethane	142	2.593	2.593	0.000	99	130708	20.0	19.9	
25 Isopropyl alcohol	45	2.617	2.617	0.000	32	30052	200.0	193.1	a
24 Carbon disulfide	76	2.623	2.623	0.000	99	244553	20.0	19.6	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	88	39818	20.0	20.4	
27 Methyl acetate	43	2.745	2.745	0.000	67	65851	40.0	37.5	
28 Cyclopentene	67	2.751	2.751	0.000	94	138823	20.0	19.2	
29 Acetonitrile	40	2.800	2.800	0.000	97	35178	200.0	213.8	
* 31 TBA-d9 (IS)	66	2.842	2.842	0.000	98	39664	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	2.849	2.849	0.000	85	73760	20.0	19.1	
32 2-Methyl-2-propanol	59	2.910	2.910	0.000	99	53179	200.0	195.9	
33 Methyl tert-butyl ether	73	2.995	2.995	0.000	96	166093	20.0	19.9	
34 trans-1,2-Dichloroethene	96	3.019	3.019	0.000	94	67977	20.0	19.6	
35 Acrylonitrile	53	3.086	3.086	0.000	93	187188	200.0	201.4	
36 Hexane	57	3.159	3.159	0.000	90	73101	20.0	20.7	
37 Isopropyl ether	45	3.361	3.361	0.000	92	160077	20.0	20.2	
38 1,1-Dichloroethane	63	3.385	3.385	0.000	99	108705	20.0	20.3	
39 Vinyl acetate	86	3.397	3.397	0.000	99	24877	40.0	44.3	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	90	56681	20.0	19.7	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	90	175794	20.0	20.4	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	93	203349	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	88	23843	20.0	20.2	
44 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	98	72782	20.0	19.3	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	97	29607	100.0	100.7	
46 Ethyl acetate	70	3.891	3.891	0.000	96	13484	40.0	42.0	
47 Methyl acrylate	55	3.940	3.940	0.000	99	42498	20.0	18.9	
48 Propionitrile	54	4.007	4.007	0.000	98	69660	200.0	200.8	
49 Chlorobromomethane	128	4.074	4.074	0.000	76	38724	20.0	20.5	
50 Tetrahydrofuran	72	4.080	4.080	0.000	38	14386	40.0	40.2	a
51 Methacrylonitrile	67	4.104	4.104	0.000	88	222333	200.0	208.0	
52 Chloroform	83	4.123	4.123	0.000	99	107905	20.0	19.4	
53 Cyclohexane	84	4.251	4.251	0.000	86	101230	20.0	21.1	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	98	100447	20.0	19.8	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	138438	50.0	50.9	
56 Carbon tetrachloride	117	4.373	4.373	0.000	97	88093	20.0	19.6	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	98	78720	20.0	19.7	
58 Isobutyl alcohol	43	4.531	4.531	0.000	91	87590	500.0	534.1	a
59 Isooctane	57	4.568	4.568	0.000	97	208635	20.0	19.8	
60 Benzene	78	4.586	4.586	0.000	97	226272	20.0	19.5	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	151079	50.0	50.1	
62 Tert-amyl methyl ether	73	4.653	4.653	0.000	82	187054	20.0	19.9	
63 Isopropyl acetate	61	4.665	4.665	0.000	86	28311	20.0	19.4	
64 1,2-Dichloroethane	62	4.677	4.677	0.000	98	76883	20.0	18.9	
65 n-Heptane	100	4.738	4.738	0.000	86	16554	20.0	25.1	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	509242	50.0	50.0	
67 n-Butanol	56	5.165	5.165	0.000	85	32853	500.0	454.1	
68 Trichloroethene	95	5.196	5.196	0.000	97	59581	20.0	19.6	
69 Methylcyclohexane	83	5.318	5.318	0.000	91	112154	20.0	21.0	
70 Ethyl acrylate	99	5.330	5.330	0.000	97	8737	20.0	20.8	
71 1,2-Dichloropropane	63	5.476	5.476	0.000	89	52247	20.0	19.8	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	86	26717	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	83	31226	40.0	40.8	
75 1,4-Dioxane	88	5.592	5.592	0.000	44	12228	400.0	385.1	
74 Dibromomethane	93	5.598	5.598	0.000	96	36028	20.0	19.0	
76 n-Propyl acetate	43	5.622	5.622	0.000	96	54557	20.0	19.3	
77 Dichlorobromomethane	83	5.750	5.750	0.000	99	74666	20.0	19.2	
78 2-Nitropropane	41	6.086	6.086	0.000	81	25651	40.0	35.1	
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	82	32675	20.0	20.2	
80 Epichlorohydrin	57	6.183	6.183	0.000	99	98858	400.0	395.9	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	91502	20.0	20.0	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	94	206773	100.0	100.4	

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	6.476	6.476	0.000	100	479710	50.0	49.7	
84 Toluene	91	6.549	6.549	0.000	94	236402	20.0	19.8	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	96	83735	20.0	19.4	
86 Ethyl methacrylate	69	6.939	6.939	0.000	86	68406	20.0	19.1	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	96	41366	20.0	19.5	
88 Tetrachloroethene	166	7.134	7.134	0.000	95	59527	20.0	19.9	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	92	80251	20.0	19.0	
90 2-Hexanone	43	7.384	7.384	0.000	92	131596	100.0	100.0	
91 n-Butyl acetate	43	7.506	7.506	0.000	96	62557	20.0	18.7	
92 Chlorodibromomethane	129	7.531	7.531	0.000	98	55622	20.0	19.1	
93 Ethylene Dibromide	107	7.671	7.671	0.000	99	53190	20.0	20.3	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	87	375531	50.0	50.0	
95 Chlorobenzene	112	8.250	8.250	0.000	96	161402	20.0	20.1	
96 Ethylbenzene	106	8.366	8.366	0.000	98	88048	20.0	20.3	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	95	64960	20.0	20.1	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	108662	20.0	20.1	
99 o-Xylene	106	9.036	9.036	0.000	94	114179	20.0	20.0	
100 n-Butyl acrylate	73	9.055	9.055	0.000	97	45192	20.0	19.2	
101 Styrene	104	9.079	9.079	0.000	95	177620	20.0	20.7	
102 Bromoform	173	9.323	9.323	0.000	97	37394	20.0	19.7	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	86379	20.0	18.4	
104 Isopropylbenzene	105	9.488	9.488	0.000	95	292825	20.0	20.4	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	149063	50.0	50.0	
106 Bromobenzene	156	9.859	9.859	0.000	98	70337	20.0	19.4	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	98	67904	20.0	19.8	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	332653	20.0	20.1	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	20340	20.0	19.4	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	98	16376	20.0	18.8	
111 2-Chlorotoluene	91	10.061	10.061	0.000	96	234531	20.0	19.9	
112 4-Ethyltoluene	105	10.085	10.085	0.000	99	287640	20.0	20.0	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	92	256847	20.0	20.5	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	227203	20.0	19.7	
115 Butyl Methacrylate	87	10.298	10.298	0.000	87	92033	20.0	20.2	
116 tert-Butylbenzene	119	10.475	10.475	0.000	93	199468	20.0	19.6	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	264231	20.0	20.1	
118 sec-Butylbenzene	105	10.695	10.695	0.000	99	310934	20.0	20.2	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	137684	20.0	20.1	
120 4-Isopropyltoluene	119	10.841	10.841	0.000	98	275751	20.0	20.4	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	206153	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	133354	20.0	19.8	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	272612	20.0	19.7	
124 Benzyl chloride	91	11.066	11.066	0.000	99	153222	20.0	17.9	
125 2,3-Dihydroindene	117	11.121	11.121	0.000	95	256894	20.0	20.1	
126 p-Diethylbenzene	119	11.201	11.201	0.000	94	154911	20.0	19.8	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	142051	20.0	21.2	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	96	138438	20.0	20.1	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	297467	20.0	20.0	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	95	16668	20.0	18.8	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	97	120106	20.0	20.3	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	117490	20.0	20.1	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	95	45626	20.0	21.2	
134 Naphthalene	128	12.767	12.767	0.000	99	292174	20.0	19.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	97	117654	20.0	20.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.9	
S 137 Xylenes, Total	100				0		40.0	40.1	
S 139 1,3-Dichloropropene, Total	1				0		40.0	39.4	
S 140 Total BTEX	1				0		100.0	99.7	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	20.00	Units: uL	
GASES Li_00346	Amount Added:	20.00	Units: uL	
ACROLEIN W_00100	Amount Added:	4.00	Units: uL	
524freon_00016	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:29:02 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0993.D

Injection Date: 21-Dec-2019 12:16:30 Instrument ID: CVOAMS17

Lims ID: STD20

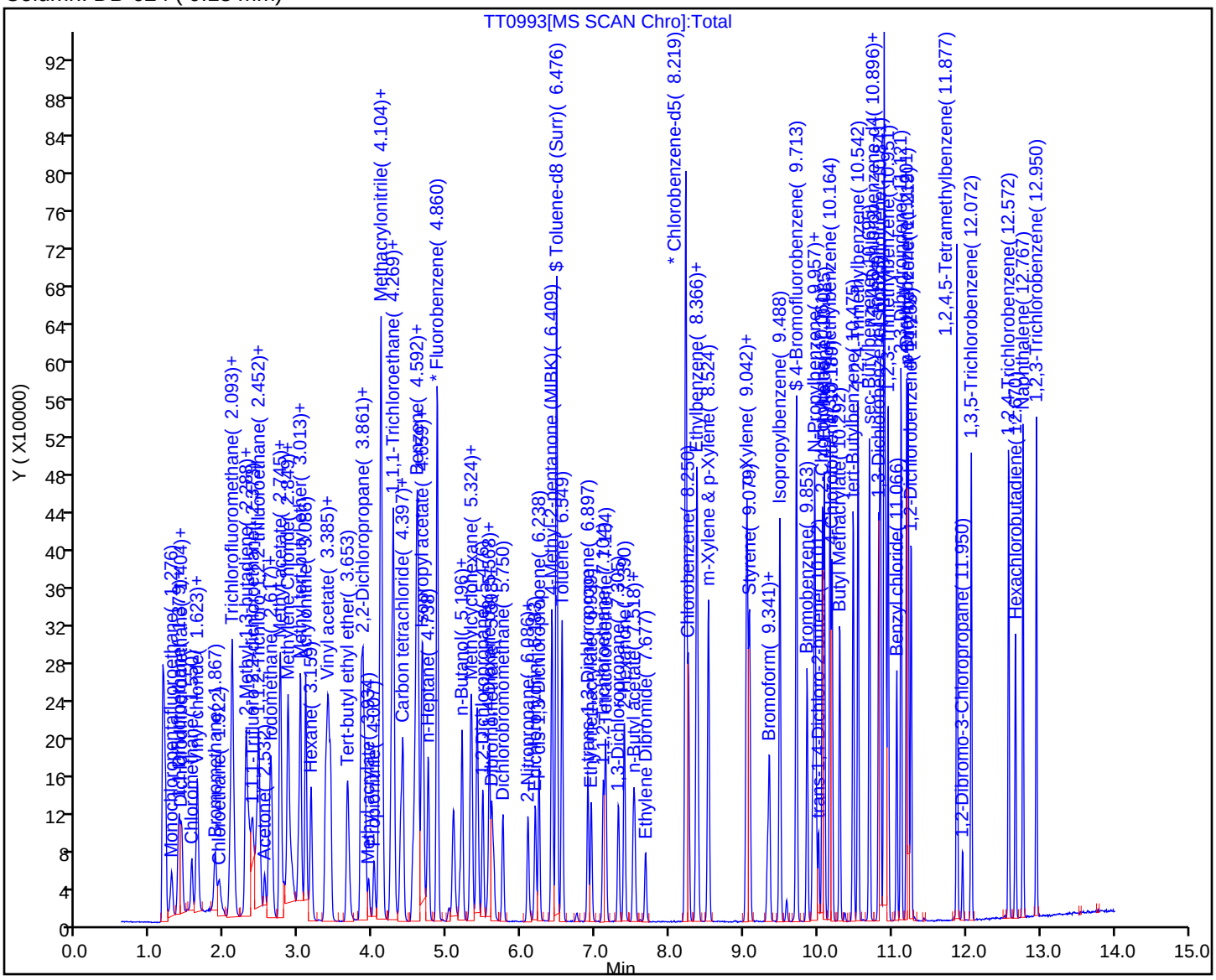
Client ID:

Operator ID: ALS Bottle#: 5 Worklist Smp#: 6

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

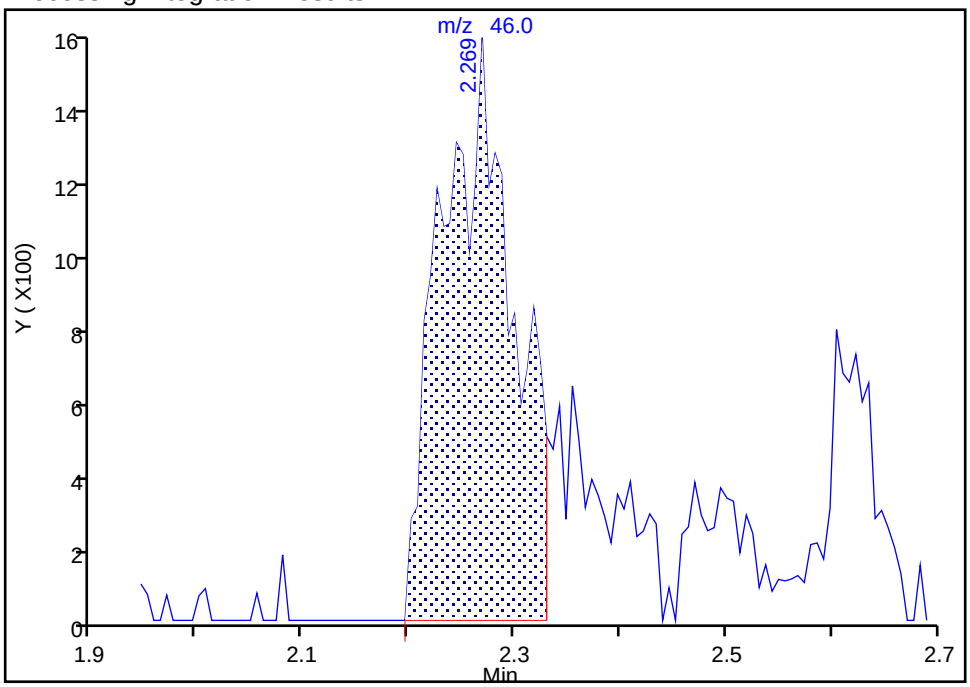
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0993.D
Injection Date: 21-Dec-2019 12:16:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

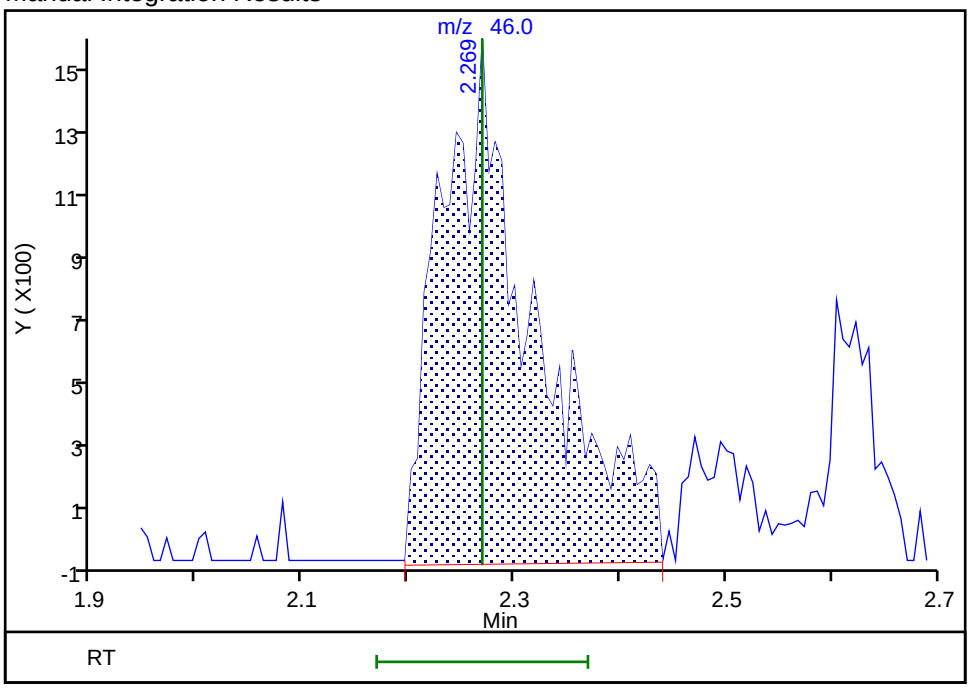
Processing Integration Results

RT: 2.27
Area: 7218
Amount: 565.6535
Amount Units: ug/l



Manual Integration Results

RT: 2.27
Area: 9475
Amount: 719.5135
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:01:52
Audit Action: Manually Integrated Audit Reason: Other

Eurofins TestAmerica, Edison

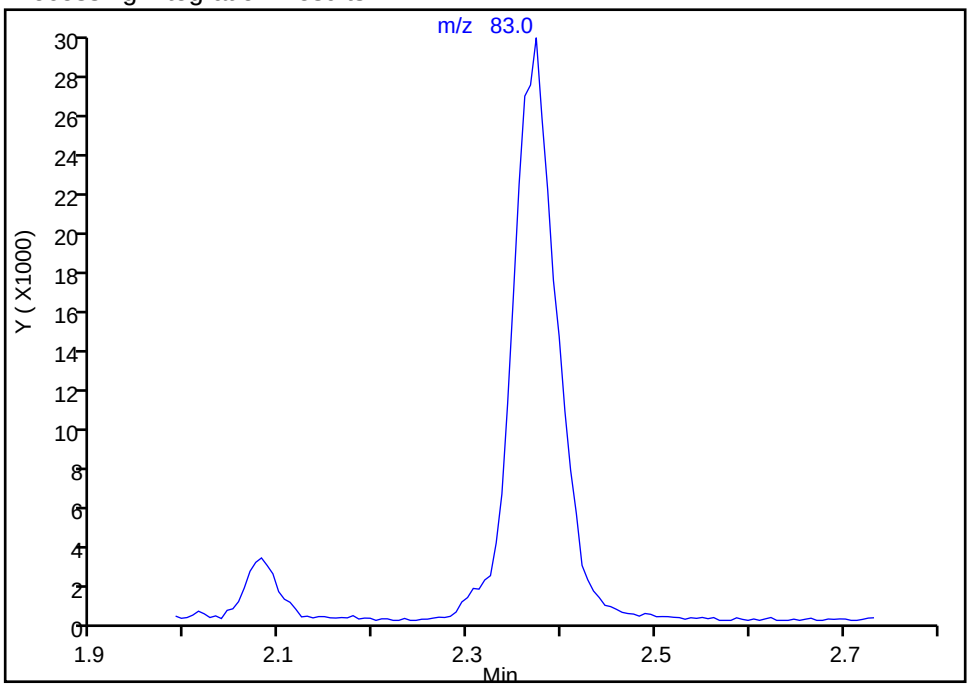
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0993.D
Injection Date: 21-Dec-2019 12:16:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

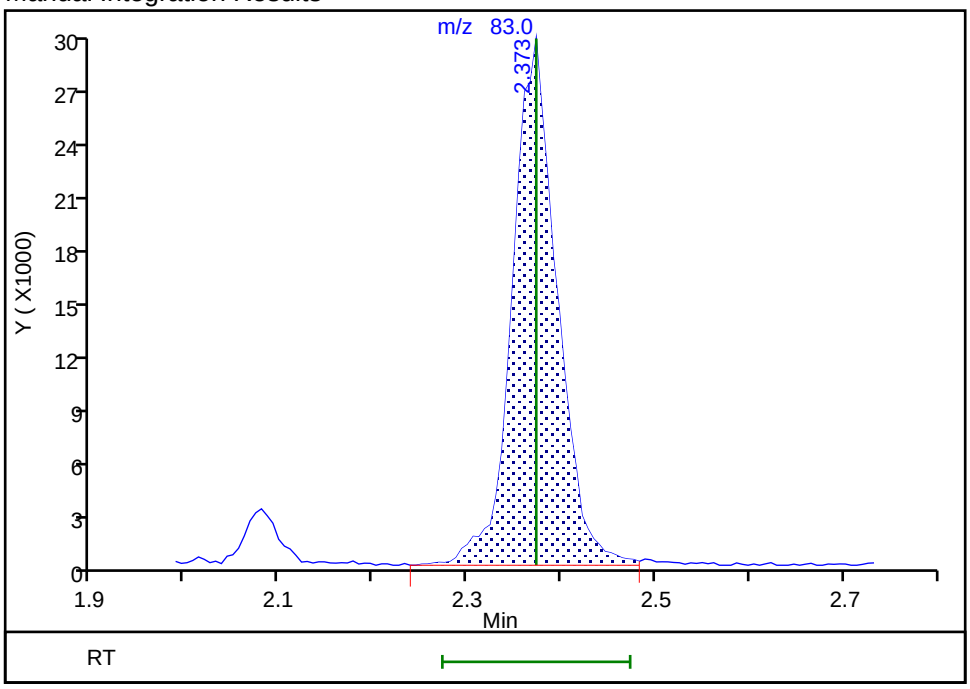
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 97244
Amount: 19.345740
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 12:37:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

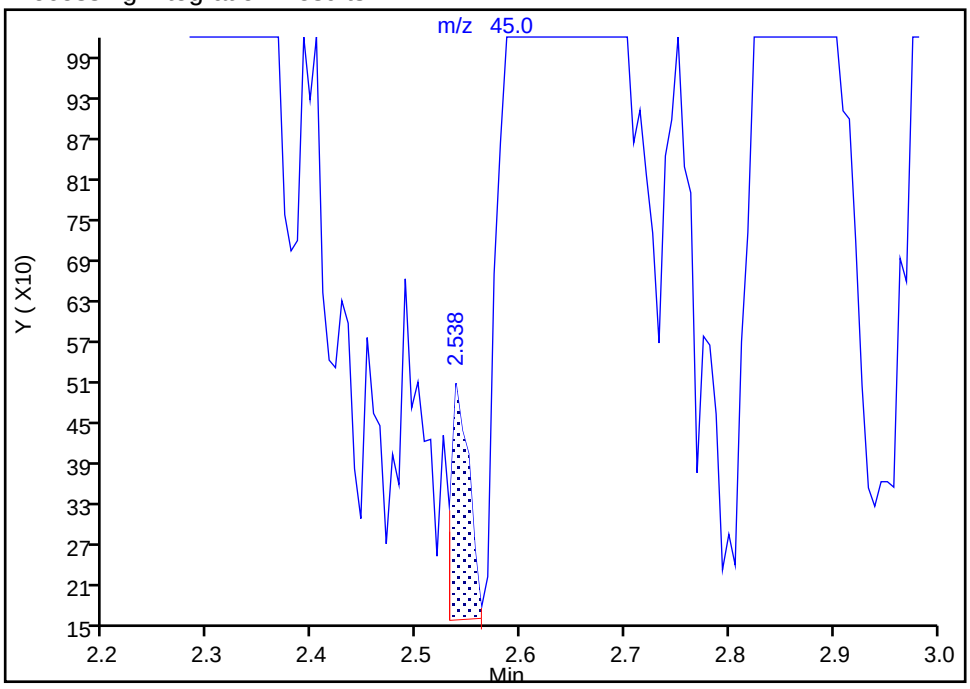
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0993.D
Injection Date: 21-Dec-2019 12:16:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

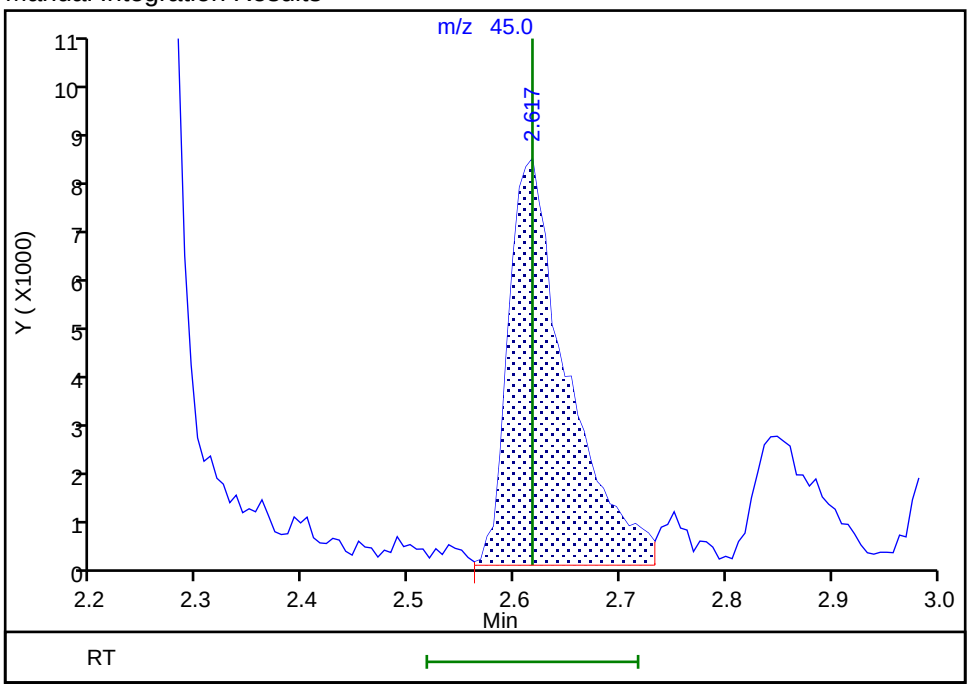
Processing Integration Results

RT: 2.54
Area: 418
Amount: 8.920794
Amount Units: ug/l



Manual Integration Results

RT: 2.62
Area: 30052
Amount: 193.0969
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 12:37:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

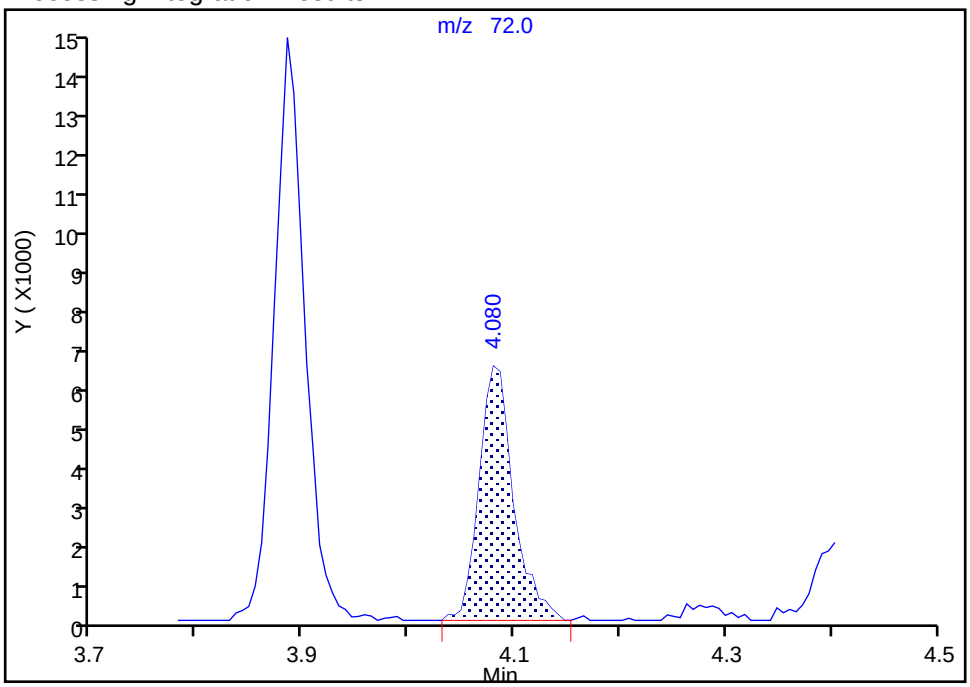
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0993.D
Injection Date: 21-Dec-2019 12:16:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

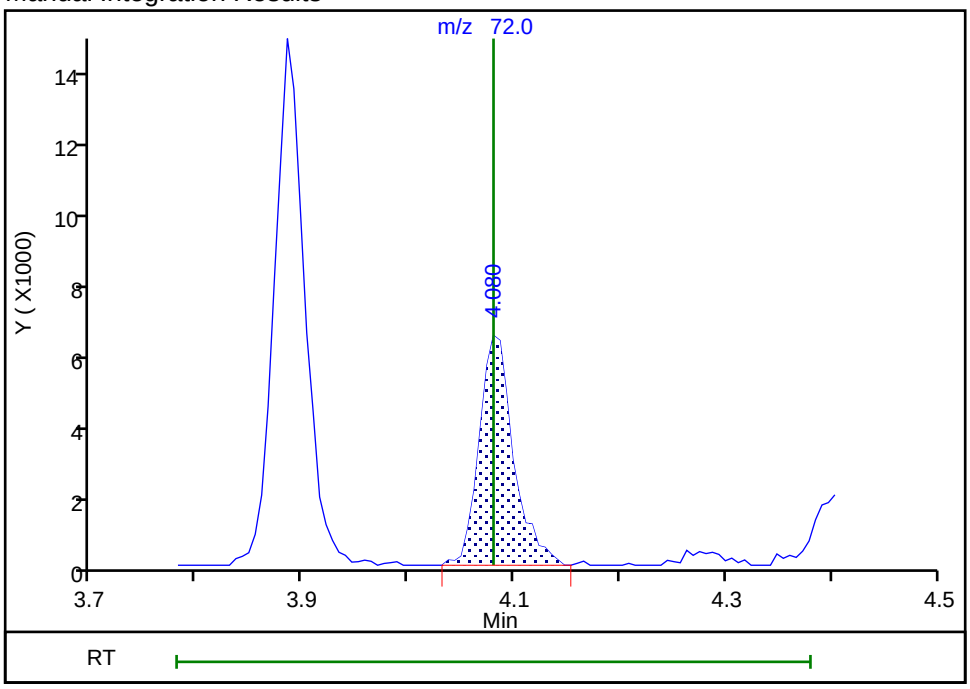
Processing Integration Results

RT: 4.08
Area: 14386
Amount: 38.329552
Amount Units: ug/l



Manual Integration Results

RT: 4.08
Area: 14386
Amount: 40.213706
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 12:39:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

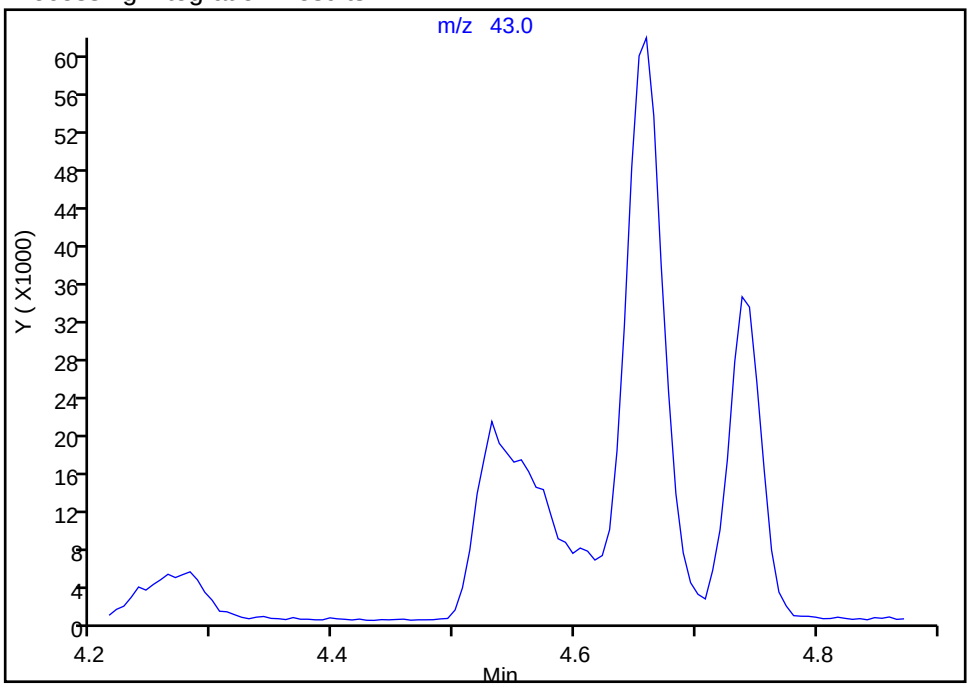
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0993.D
Injection Date: 21-Dec-2019 12:16:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

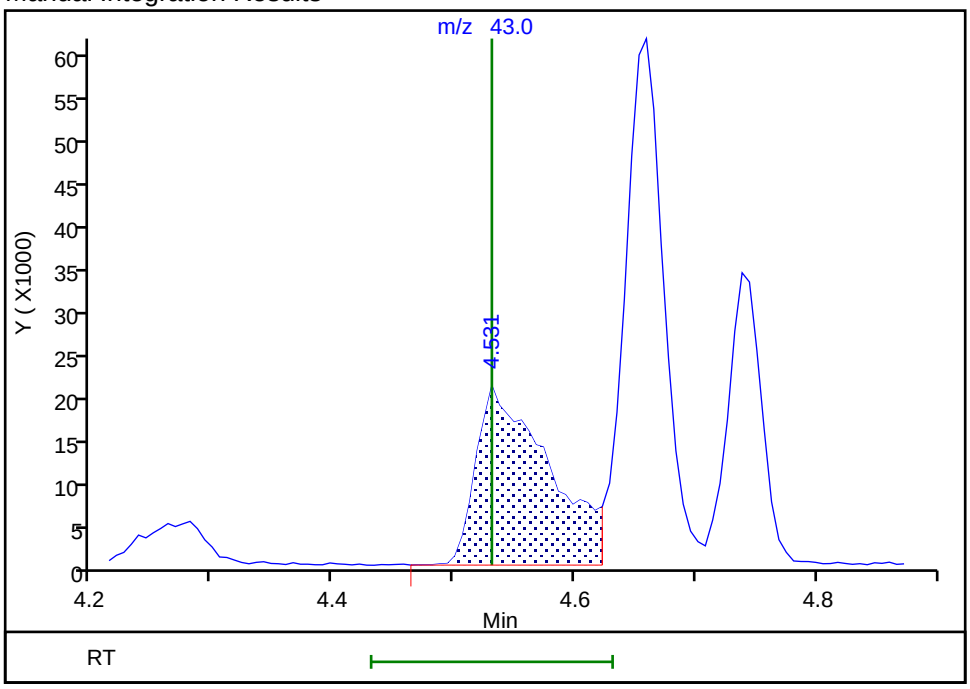
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.53
Area: 87590
Amount: 534.1225
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 12:39:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0994.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Dec-2019 12:36:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0103229-007
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:29:11 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: pakanatir Date: 21-Dec-2019 14:12:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.288	1.288	0.000	85	16315	50.0	83.1	
2 1,1-Difluoroethane	51	1.379	1.373	0.006	88	146824	50.0	58.6	
3 Chlorotrifluoroethene	116	1.373	1.373	0.000	88	79084	50.0	67.7	
4 Dichlorodifluoromethane	85	1.404	1.398	0.006	99	288820	50.0	57.1	
5 Chlorodifluoromethane	51	1.422	1.416	0.006	99	212498	50.0	57.8	
6 Chloromethane	50	1.556	1.550	0.006	99	171096	50.0	51.1	
7 Vinyl chloride	62	1.629	1.623	0.006	98	193573	50.0	55.4	
8 Butadiene	54	1.629	1.623	0.006	77	150819	50.0	53.1	
9 Bromomethane	94	1.867	1.867	0.000	99	128882	50.0	49.8	
10 Chloroethane	64	1.922	1.922	0.000	100	88655	50.0	51.8	
11 Dichlorofluoromethane	67	2.087	2.080	0.007	98	328593	50.0	55.5	
12 Trichlorofluoromethane	101	2.099	2.093	0.006	98	308161	50.0	58.3	
13 Pentane	72	2.105	2.099	0.006	93	54038	100.0	111.7	
15 Ethyl ether	74	2.269	2.269	0.000	93	85991	50.0	53.2	
14 Ethanol	46	2.263	2.269	-0.006	63	24046	2000.0	1970.5	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	95	120931	50.0	55.0	
17 1,2-Dichloro-1,1,2-trifluo	117	2.330	2.318	0.012	90	162478	50.0	55.7	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	95	242373	50.0	54.4	a
19 Acrolein	56	2.428	2.422	0.006	94	35350	100.0	93.8	
20 1,1,2-Trichloro-1,2,2-trif	101	2.440	2.434	0.006	97	180926	50.0	62.9	
21 1,1-Dichloroethene	96	2.458	2.452	0.006	98	163445	50.0	56.2	
22 Acetone	43	2.538	2.532	0.006	88	176618	250.0	263.4	
23 Iodomethane	142	2.593	2.593	0.001	98	320647	50.0	55.1	
25 Isopropyl alcohol	45	2.617	2.617	0.000	30	73833	500.0	505.2	a
24 Carbon disulfide	76	2.623	2.623	0.000	99	603932	50.0	54.7	
26 3-Chloro-1-propene	76	2.739	2.733	0.006	88	98705	50.0	56.9	
27 Methyl acetate	43	2.751	2.745	0.006	59	154861	100.0	99.3	
28 Cyclopentene	67	2.751	2.751	0.000	92	352145	50.0	55.0	
29 Acetonitrile	40	2.806	2.800	0.006	98	72717	500.0	485.0	a
* 31 TBA-d9 (IS)	66	2.849	2.842	0.007	89	37245	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	2.855	2.849	0.006	86	177502	50.0	51.9	
32 2-Methyl-2-propanol	59	2.916	2.910	0.006	96	120081	500.0	471.0	
33 Methyl tert-butyl ether	73	3.001	2.995	0.006	96	390087	50.0	52.6	
34 trans-1,2-Dichloroethene	96	3.019	3.019	0.000	94	165401	50.0	53.7	
35 Acrylonitrile	53	3.086	3.086	0.000	94	454246	500.0	550.8	
36 Hexane	57	3.160	3.159	0.001	90	188898	50.0	60.2	
37 Isopropyl ether	45	3.361	3.361	0.000	93	382063	50.0	54.3	
38 1,1-Dichloroethane	63	3.385	3.385	0.000	99	258933	50.0	54.5	
39 Vinyl acetate	86	3.397	3.397	0.000	99	58252	100.0	113.1	
40 2-Chloro-1,3-butadiene	88	3.428	3.422	0.006	90	142938	50.0	56.0	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	89	417244	50.0	54.6	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	93	186710	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	93	58311	50.0	55.6	
44 cis-1,2-Dichloroethene	96	3.867	3.861	0.006	99	177127	50.0	52.9	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	97	66078	250.0	244.8	
46 Ethyl acetate	70	3.891	3.891	0.000	97	29744	100.0	102.3	
47 Methyl acrylate	55	3.940	3.940	0.000	99	97078	50.0	48.6	
48 Propionitrile	54	4.007	4.007	0.000	98	166512	500.0	511.1	
49 Chlorobromomethane	128	4.074	4.074	0.000	76	91175	50.0	54.4	
50 Tetrahydrofuran	72	4.080	4.080	0.000	84	32583	100.0	99.2	
51 Methacrylonitrile	67	4.104	4.104	0.000	90	513971	500.0	542.0	
52 Chloroform	83	4.129	4.123	0.006	99	261755	50.0	53.2	
53 Cyclohexane	84	4.251	4.251	0.000	87	251751	50.0	59.3	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	98	248349	50.0	55.1	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	96	123858	50.0	51.4	
56 Carbon tetrachloride	117	4.373	4.373	0.000	97	217342	50.0	54.5	
57 1,1-Dichloropropene	75	4.403	4.397	0.006	98	194211	50.0	54.9	
58 Isobutyl alcohol	43	4.537	4.531	0.006	96	208773	1250.0	1355.8	Ma
59 Isooctane	57	4.568	4.568	0.000	97	551655	50.0	58.6	
60 Benzene	78	4.586	4.586	0.000	96	545634	50.0	51.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	135092	50.0	50.5	
62 Tert-amyl methyl ether	73	4.659	4.653	0.006	82	488695	50.0	58.6	
63 Isopropyl acetate	61	4.659	4.665	-0.006	87	65994	50.0	51.1	
64 1,2-Dichloroethane	62	4.678	4.677	0.001	99	183578	50.0	50.9	
65 n-Heptane	100	4.745	4.738	0.007	87	40057	50.0	68.6	
* 66 Fluorobenzene	96	4.867	4.860	0.007	99	451756	50.0	50.0	
67 n-Butanol	56	5.171	5.165	0.006	85	80938	1250.0	1191.5	
68 Trichloroethene	95	5.202	5.196	0.006	97	144158	50.0	53.5	
69 Methylcyclohexane	83	5.318	5.318	0.000	91	293911	50.0	62.2	
70 Ethyl acrylate	99	5.336	5.330	0.006	98	22244	50.0	59.8	
71 1,2-Dichloropropane	63	5.482	5.476	0.006	90	126276	50.0	53.9	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	86	26845	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	81	71397	100.0	105.2	
75 1,4-Dioxane	88	5.592	5.592	0.000	42	30347	1000.0	951.1	
74 Dibromomethane	93	5.598	5.598	0.000	97	86564	50.0	51.3	
76 n-Propyl acetate	43	5.622	5.622	0.000	96	132873	50.0	53.0	
77 Dichlorobromomethane	83	5.751	5.750	0.000	99	180853	50.0	52.3	
78 2-Nitropropane	41	6.080	6.086	-0.006	86	62285	100.0	96.2	
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	78	77874	50.1	54.3	
80 Epichlorohydrin	57	6.189	6.183	0.006	99	237770	1000.0	1037.0	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	222845	50.0	53.3	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	93	517513	250.0	273.8	

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	6.476	6.476	0.000	99	433140	50.0	49.1	
84 Toluene	91	6.549	6.549	0.000	93	570011	50.0	52.3	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	95	203445	50.0	51.6	
86 Ethyl methacrylate	69	6.939	6.939	0.000	86	172210	50.0	52.7	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	98172	50.0	50.5	
88 Tetrachloroethene	166	7.134	7.134	0.000	95	146714	50.0	53.7	
89 1,3-Dichloropropane	76	7.305	7.311	-0.006	92	195334	50.0	50.7	
90 2-Hexanone	43	7.384	7.384	0.000	93	325136	250.0	269.0	
91 n-Butyl acetate	43	7.506	7.506	0.000	96	157532	50.0	51.6	
92 Chlorodibromomethane	129	7.531	7.531	0.000	98	140656	50.0	52.7	
93 Ethylene Dibromide	107	7.677	7.671	0.006	99	123068	50.0	51.5	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	88	343389	50.0	50.0	
95 Chlorobenzene	112	8.250	8.250	0.000	98	390385	50.0	53.2	
96 Ethylbenzene	106	8.366	8.366	0.000	98	212139	50.0	53.5	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	95	159566	50.0	54.0	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	267131	50.0	54.0	
99 o-Xylene	106	9.043	9.036	0.007	94	279896	50.0	53.6	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	117375	50.0	54.6	
101 Styrene	104	9.079	9.079	0.000	96	428065	50.0	54.5	
102 Bromoform	173	9.323	9.323	0.000	97	89781	50.0	51.7	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	222151	50.0	55.3	
104 Isopropylbenzene	105	9.488	9.488	0.000	96	733757	50.0	55.8	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	132384	50.0	48.6	
106 Bromobenzene	156	9.853	9.859	-0.006	98	168423	50.0	54.4	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	97	160390	50.0	54.8	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	816547	50.0	58.0	
109 1,2,3-Trichloropropane	110	9.975	9.981	-0.006	97	48205	50.0	53.8	
110 trans-1,4-Dichloro-2-buten	53	10.006	10.012	-0.006	94	40130	50.0	53.9	
111 2-Chlorotoluene	91	10.061	10.061	0.000	96	564980	50.0	56.1	
112 4-Ethyltoluene	105	10.085	10.085	0.000	98	686917	50.0	55.9	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	618528	50.0	57.8	
114 4-Chlorotoluene	91	10.189	10.195	-0.006	98	534790	50.0	54.3	
115 Butyl Methacrylate	87	10.292	10.298	-0.006	88	216881	50.0	55.9	
116 tert-Butylbenzene	119	10.475	10.475	0.000	94	503303	50.0	57.8	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	632440	50.0	56.3	
118 sec-Butylbenzene	105	10.695	10.695	0.000	99	784298	50.0	59.7	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	316011	50.0	54.0	
120 4-Isopropyltoluene	119	10.841	10.841	0.000	98	679404	50.0	58.9	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	175917	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	310092	50.0	54.0	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	645772	50.0	54.6	
124 Benzyl chloride	91	11.067	11.066	0.001	99	356634	50.0	49.0	
125 2,3-Dihydroindene	117	11.121	11.121	0.000	95	608265	50.0	55.8	
126 p-Diethylbenzene	119	11.201	11.201	0.000	93	373060	50.0	55.9	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	338668	50.0	59.1	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	96	317542	50.0	53.9	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	718204	50.0	56.6	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	96	40234	50.0	53.1	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	98	282690	50.0	56.0	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	277564	50.0	55.7	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	94	112823	50.0	61.4	
134 Naphthalene	128	12.767	12.767	0.000	99	710102	50.0	56.0	

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	12.950	12.950	0.000	95	272558	50.0	55.5	
S 136 1,2-Dichloroethene, Total	100				0		100.0	106.6	
S 137 Xylenes, Total	100				0		100.0	107.6	
S 138 Total 1,2-dichloroethene	1				0			106.6	
S 139 1,3-Dichloropropene, Total	1				0		100.0	104.9	
S 140 Total BTEX	1				0		250.0	264.7	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00110	Amount Added:	50.00	Units: uL	
GASES Li_00346	Amount Added:	50.00	Units: uL	
ACROLEIN W_00100	Amount Added:	10.00	Units: uL	
524freon_00016	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:29:13 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0994.D

Injection Date: 21-Dec-2019 12:36:30 Instrument ID: CVOAMS17

Lims ID: STD50

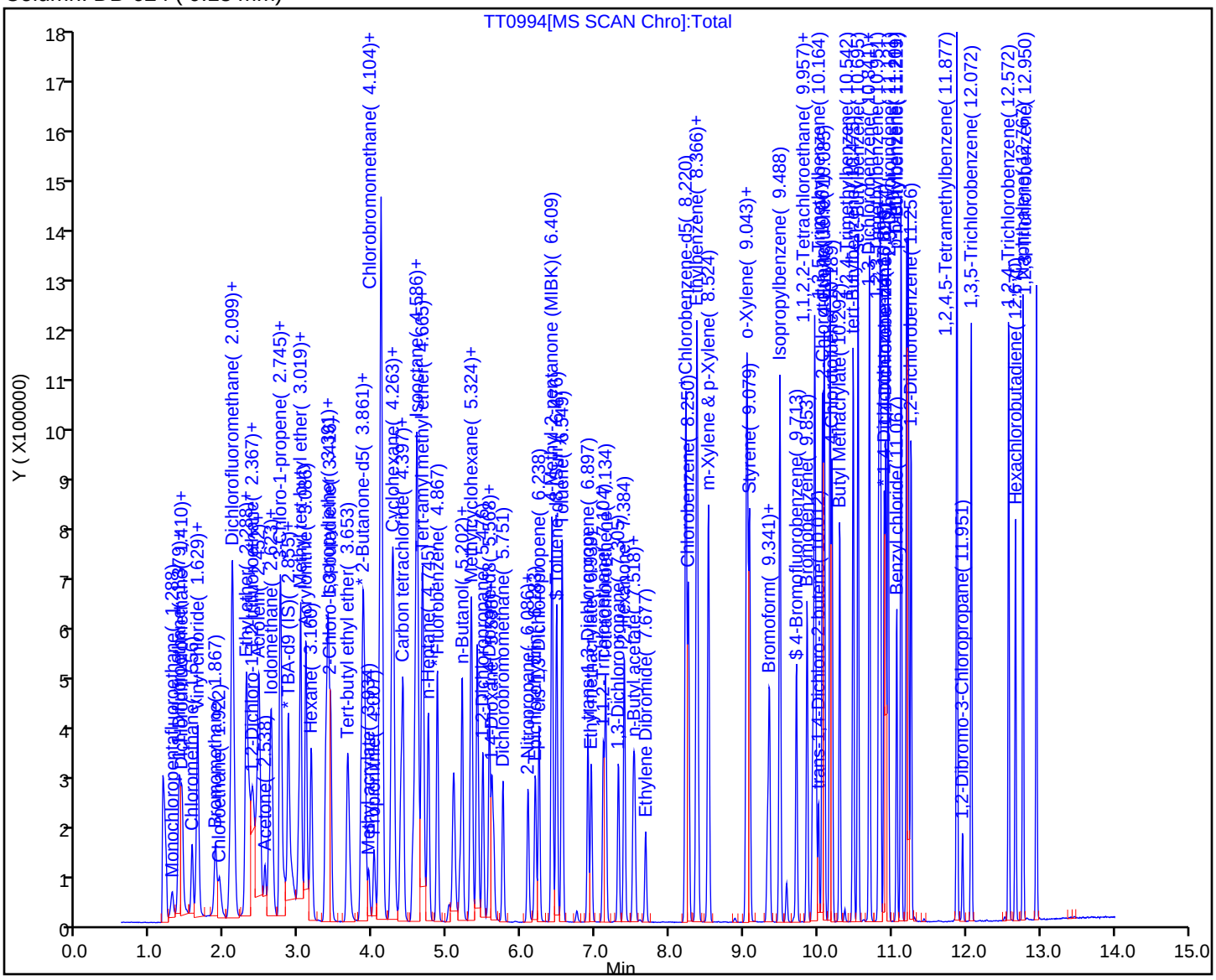
Client ID:

Operator ID: ALS Bottle#: 6 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

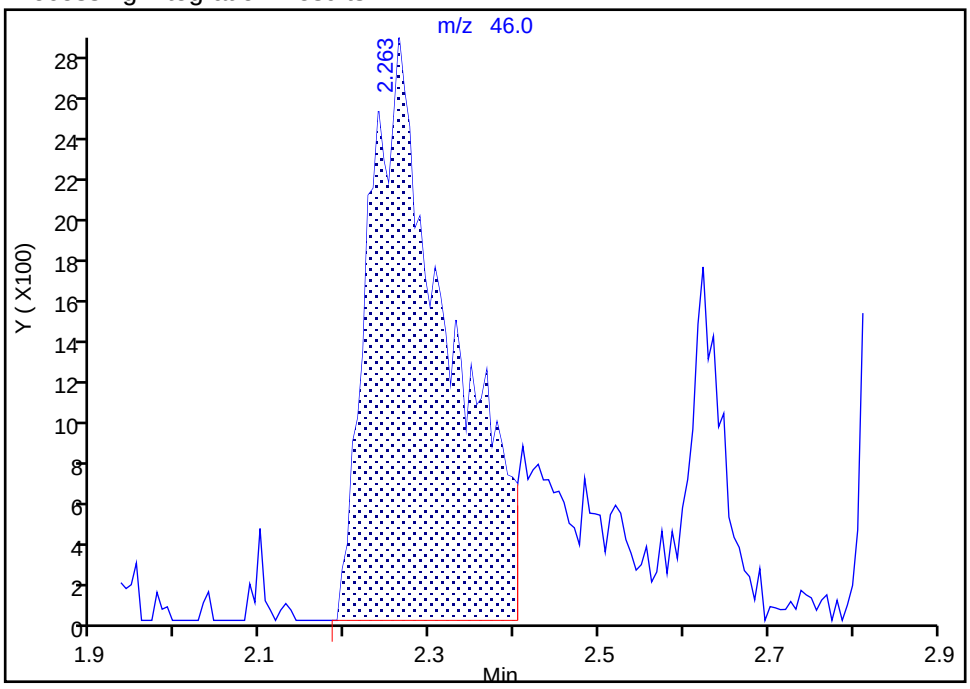
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0994.D
Injection Date: 21-Dec-2019 12:36:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

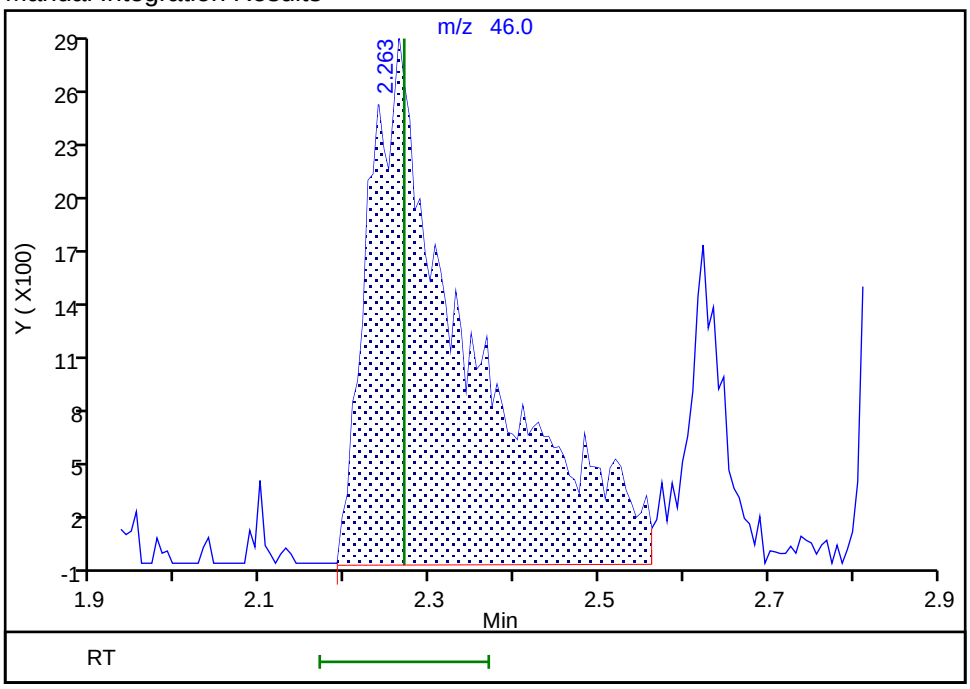
Processing Integration Results

RT: 2.26
Area: 18859
Amount: 1580.9427
Amount Units: ug/l



Manual Integration Results

RT: 2.26
Area: 24046
Amount: 1970.4719
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 13:03:22
Audit Action: Manually Integrated Audit Reason: Other

Eurofins TestAmerica, Edison

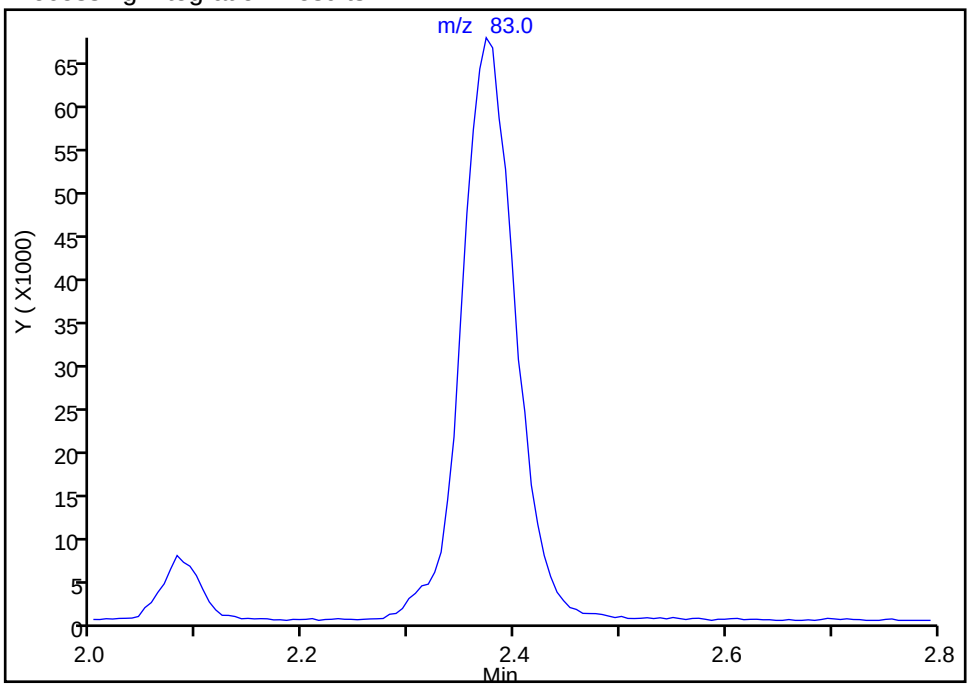
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0994.D
Injection Date: 21-Dec-2019 12:36:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

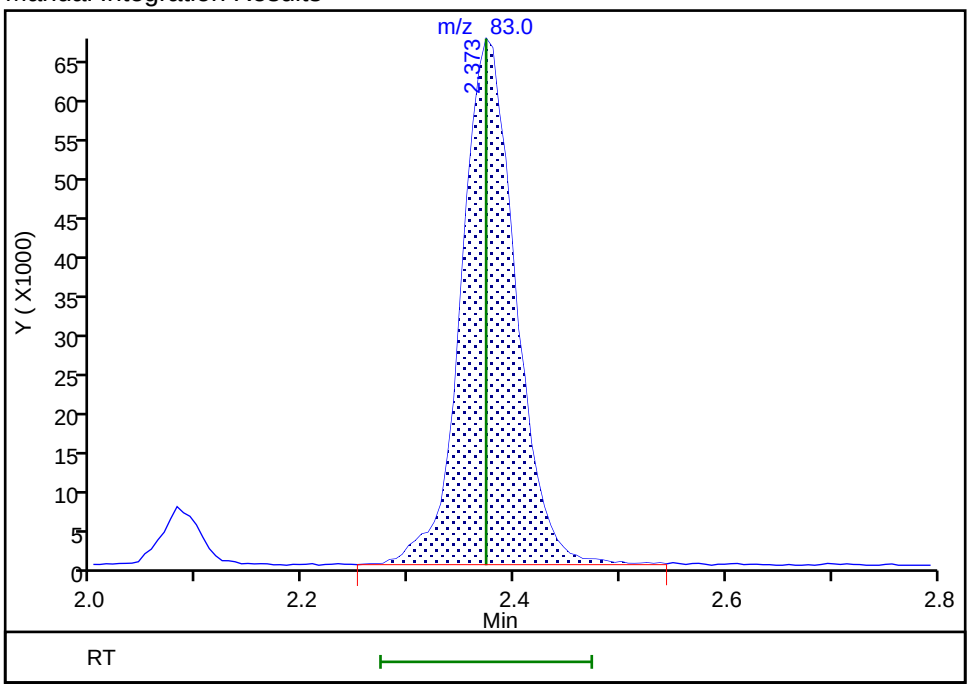
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 242373
Amount: 54.353443
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 11:35:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

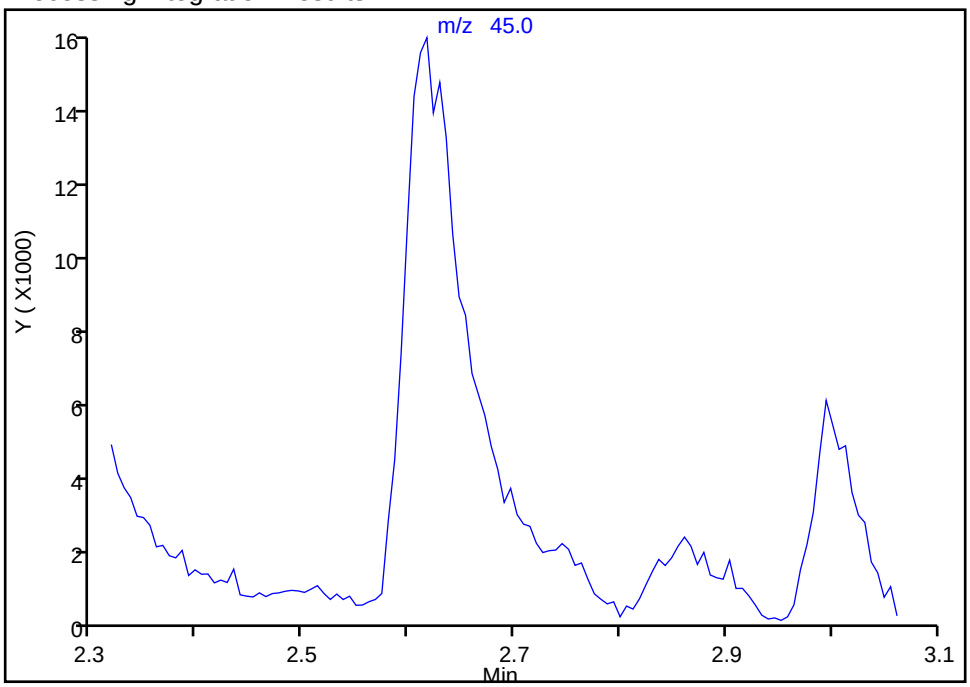
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0994.D
Injection Date: 21-Dec-2019 12:36:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

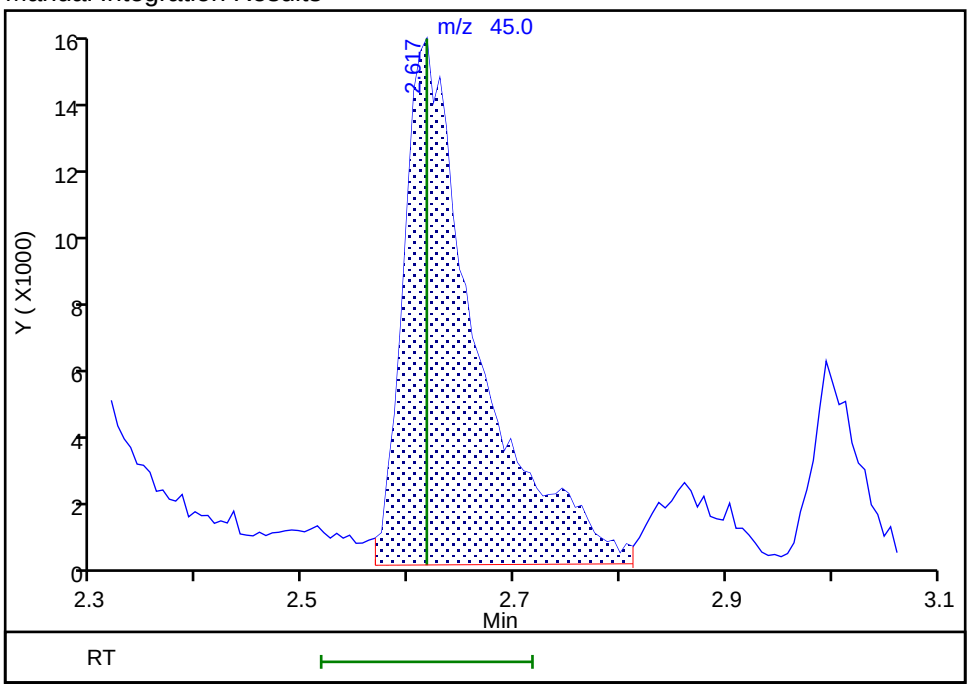
Processing Integration Results

Not Detected
Expected RT: 2.62



Manual Integration Results

RT: 2.62
Area: 73833
Amount: 505.2204
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 11:35:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

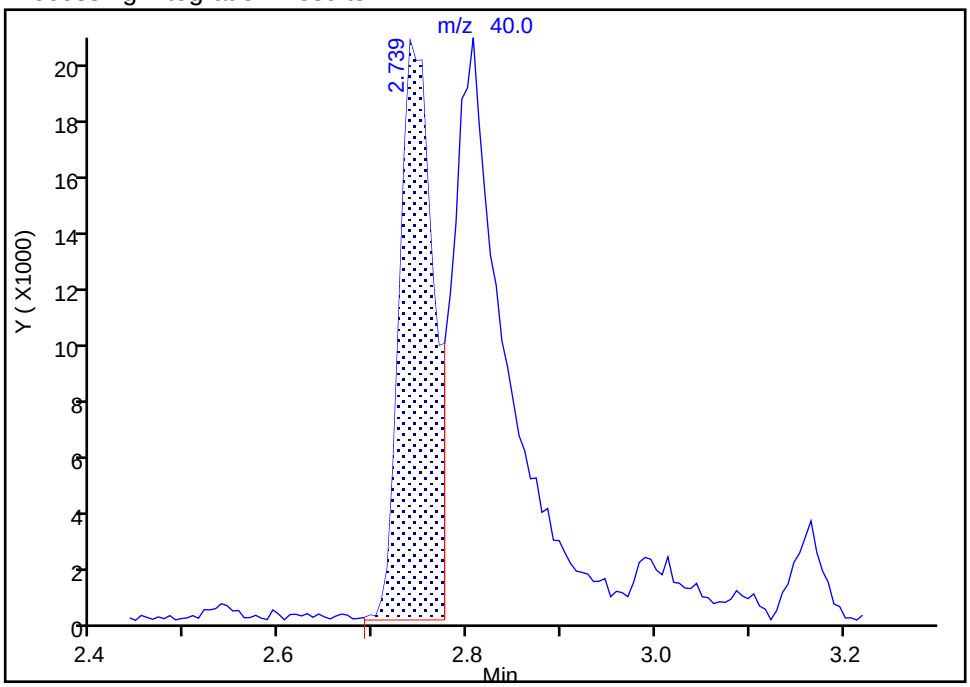
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0994.D
Injection Date: 21-Dec-2019 12:36:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

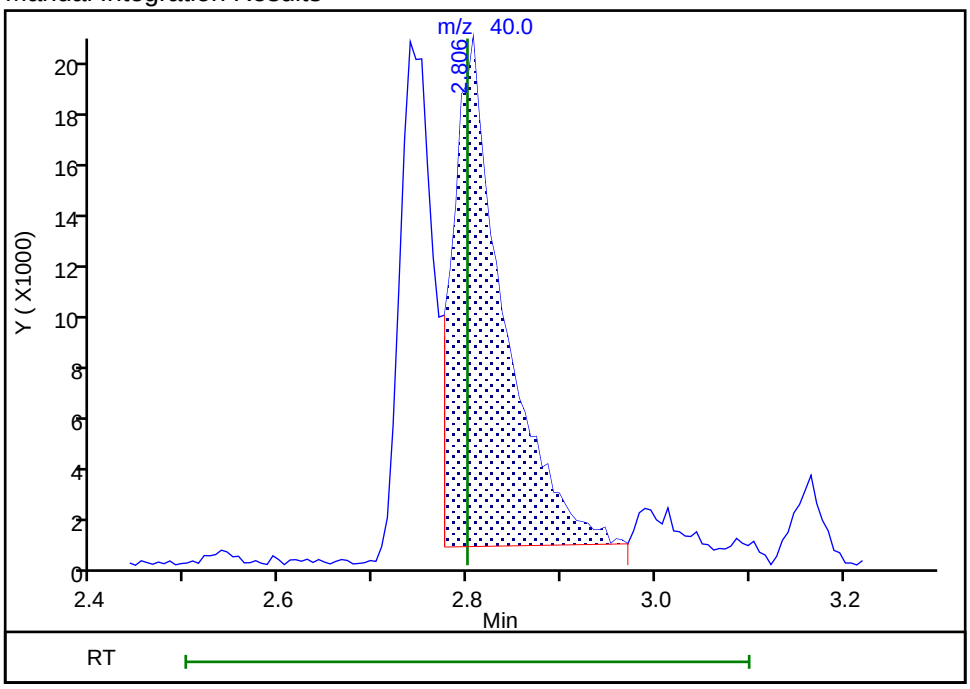
Processing Integration Results

RT: 2.74
Area: 50666
Amount: 349.5157
Amount Units: ug/l



Manual Integration Results

RT: 2.81
Area: 72717
Amount: 484.9614
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 11:36:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

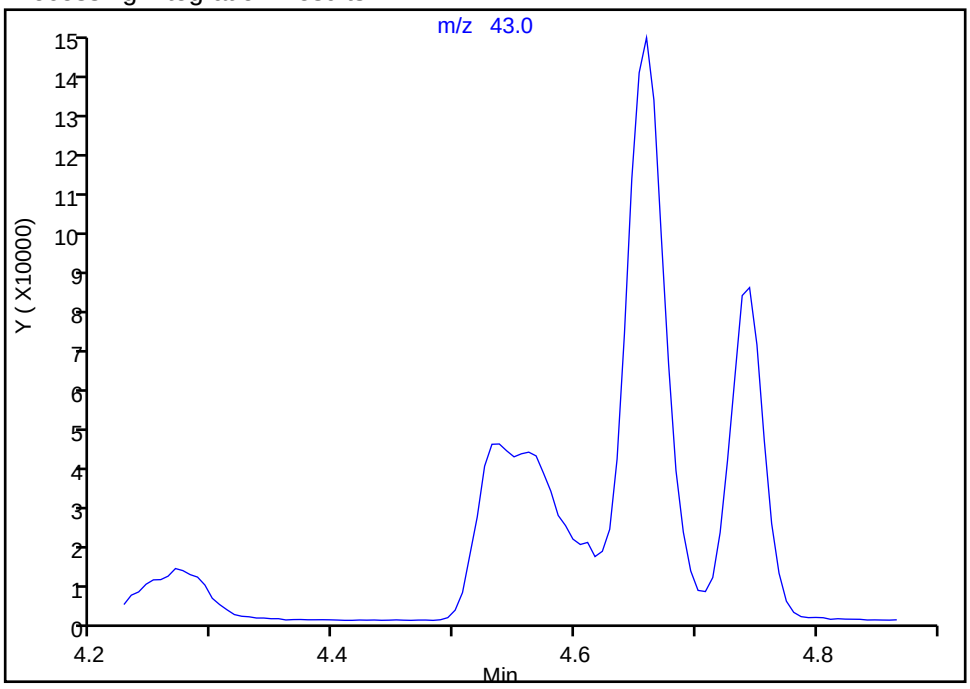
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0994.D
Injection Date: 21-Dec-2019 12:36:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

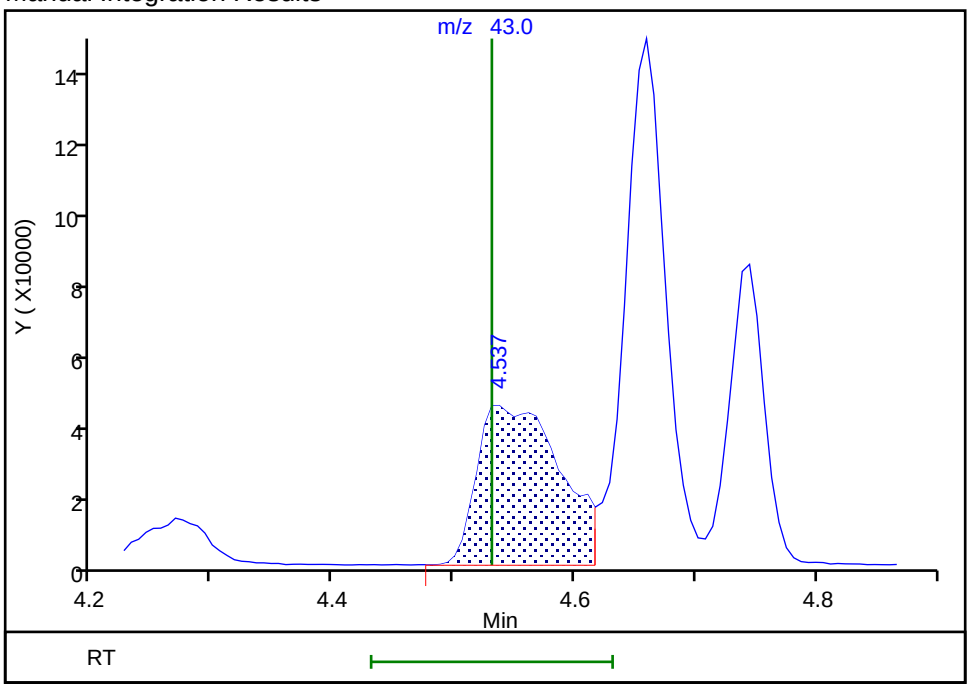
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.54
Area: 208773
Amount: 1355.7799
Amount Units: ug/l



Reviewer: pakanatir, 22-Dec-2019 11:37:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0995.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Dec-2019 12:57:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0103229-008
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:29:24 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: pakanatir Date: 21-Dec-2019 14:14:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.294	1.288	0.006	83	13031	200.0	69.6	
2 1,1-Difluoroethane	51	1.379	1.373	0.006	91	452351	200.0	189.2	
3 Chlorotrifluoroethene	116	1.379	1.373	0.006	73	191636	200.0	171.9	
4 Dichlorodifluoromethane	85	1.404	1.398	0.006	99	1054124	200.0	218.1	
5 Chlorodifluoromethane	51	1.422	1.416	0.006	99	690248	200.0	196.8	
6 Chloromethane	50	1.556	1.550	0.006	99	640224	200.0	200.3	
7 Vinyl chloride	62	1.629	1.623	0.006	98	682652	200.0	204.6	
8 Butadiene	54	1.629	1.623	0.006	95	520980	200.0	192.3	
9 Bromomethane	94	1.867	1.867	0.000	99	477560	200.0	194.4	
10 Chloroethane	64	1.928	1.922	0.006	100	322906	200.0	199.6	
11 Dichlorofluoromethane	67	2.087	2.080	0.007	99	1173659	200.0	207.7	
12 Trichlorofluoromethane	101	2.099	2.093	0.006	98	1072971	200.0	212.7	
13 Pentane	72	2.105	2.099	0.006	94	184048	400.0	398.5	
15 Ethyl ether	74	2.269	2.269	0.000	93	310039	200.0	201.1	
14 Ethanol	46	2.269	2.269	0.000	82	81297	8000.0	8028.9	
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	95	422245	200.0	201.2	
17 1,2-Dichloro-1,1,2-trifluo	117	2.330	2.318	0.012	86	510460	200.0	183.3	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	95	775431	200.0	182.2	a
19 Acrolein	56	2.428	2.422	0.006	94	60722	200.0	181.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.440	2.434	0.006	94	465698	200.0	169.7	a
21 1,1-Dichloroethene	96	2.465	2.452	0.012	98	513519	200.0	184.9	
22 Acetone	43	2.538	2.532	0.006	87	678736	1000.0	1067.0	
23 Iodomethane	142	2.599	2.593	0.007	98	1106151	200.0	199.1	
25 Isopropyl alcohol	45	2.617	2.617	0.000	30	281984	2000.0	2175.6	a
24 Carbon disulfide	76	2.629	2.623	0.006	99	1954692	200.0	185.4	
26 3-Chloro-1-propene	76	2.739	2.733	0.006	87	324935	200.0	196.2	
27 Methyl acetate	43	2.751	2.745	0.006	97	630360	400.0	423.5	
28 Cyclopentene	67	2.757	2.751	0.006	93	1160649	200.0	189.9	
29 Acetonitrile	40	2.806	2.800	0.006	97	272656	2000.0	2003.2	a
* 31 TBA-d9 (IS)	66	2.855	2.842	0.013	35	33032	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	2.855	2.849	0.006	86	610010	200.0	186.7	
32 2-Methyl-2-propanol	59	2.916	2.910	0.006	91	442490	2000.0	1956.9	a
33 Methyl tert-butyl ether	73	3.001	2.995	0.006	96	1344120	200.0	189.8	
34 trans-1,2-Dichloroethene	96	3.019	3.019	0.000	93	537376	200.0	182.8	
35 Acrylonitrile	53	3.092	3.086	0.006	94	1597439	2000.0	2029.4	
36 Hexane	57	3.159	3.159	0.000	91	351516	200.0	117.4	
37 Isopropyl ether	45	3.361	3.361	0.000	93	1319280	200.0	196.4	
38 1,1-Dichloroethane	63	3.385	3.385	0.000	99	870122	200.0	192.0	
39 Vinyl acetate	86	3.403	3.397	0.006	99	197386	400.0	403.8	
40 2-Chloro-1,3-butadiene	88	3.428	3.422	0.006	90	479212	200.0	196.7	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	90	1435847	200.0	196.7	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	99	177142	250.0	250.0	
43 2,2-Dichloropropane	97	3.854	3.848	0.006	94	182316	200.0	182.2	
44 cis-1,2-Dichloroethene	96	3.867	3.861	0.006	99	608668	200.0	190.4	
45 2-Butanone (MEK)	72	3.891	3.885	0.006	97	250256	1000.0	977.3	
46 Ethyl acetate	70	3.891	3.891	0.000	97	106688	400.0	389.3	
47 Methyl acrylate	55	3.940	3.940	0.000	99	350956	200.0	184.1	
48 Propionitrile	54	4.013	4.007	0.006	98	603306	2000.0	2088.1	
49 Chlorobromomethane	128	4.080	4.074	0.006	78	315894	200.0	197.3	
50 Tetrahydrofuran	72	4.080	4.080	0.000	76	123014	400.0	394.7	
51 Methacrylonitrile	67	4.104	4.104	0.000	90	1778083	2000.0	1964.4	
52 Chloroform	83	4.129	4.123	0.006	99	858654	200.0	182.7	
53 Cyclohexane	84	4.251	4.251	0.000	87	581435	200.0	143.4	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	98	746710	200.0	173.5	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	96	111413	50.0	48.4	
56 Carbon tetrachloride	117	4.379	4.373	0.006	98	641207	200.0	168.4	
57 1,1-Dichloropropene	75	4.403	4.397	0.006	98	593659	200.0	175.8	
58 Isobutyl alcohol	43	4.543	4.531	0.012	92	709133	5000.0	5192.5	
59 Isooctane	57	4.568	4.568	0.000	97	1722852	200.0	191.1	
60 Benzene	78	4.592	4.586	0.006	96	1853869	200.0	188.6	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	86	127165	50.0	49.8	
62 Tert-amyl methyl ether	73	4.659	4.653	0.006	80	1627427	200.0	204.5	
63 Isopropyl acetate	61	4.665	4.665	0.000	91	239035	200.0	193.7	
64 1,2-Dichloroethane	62	4.677	4.677	0.000	98	650911	200.0	189.1	
65 n-Heptane	100	4.745	4.738	0.007	88	60991	200.0	109.4	
* 66 Fluorobenzene	96	4.866	4.860	0.006	99	431221	50.0	50.0	
67 n-Butanol	56	5.171	5.165	0.006	85	310021	5000.0	5145.8	
68 Trichloroethene	95	5.202	5.196	0.006	98	484936	200.0	188.4	
69 Methylcyclohexane	83	5.324	5.318	0.006	80	599534	200.0	132.8	
70 Ethyl acrylate	99	5.330	5.330	0.000	98	64653	200.0	182.0	
71 1,2-Dichloropropane	63	5.482	5.476	0.006	89	447468	200.0	200.2	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	89	21439	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	81	258899	400.0	399.5	
75 1,4-Dioxane	88	5.598	5.592	0.006	39	100346	4000.0	3938.1	
74 Dibromomethane	93	5.598	5.598	0.000	96	311132	200.0	193.3	
76 n-Propyl acetate	43	5.629	5.622	0.007	97	473777	200.0	197.9	
77 Dichlorobromomethane	83	5.750	5.750	0.000	99	677013	200.0	205.1	
78 2-Nitropropane	41	6.086	6.086	0.000	98	246851	400.0	399.3	
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	92	283753	200.5	207.3	
80 Epichlorohydrin	57	6.189	6.183	0.006	98	908319	4000.0	4175.5	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	91	796961	200.0	206.2	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	92	1956255	1000.0	1090.8	

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	6.476	6.476	0.000	99	401361	50.0	49.2	
84 Toluene	91	6.549	6.549	0.000	94	1796661	200.0	178.3	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	95	735736	200.0	201.9	
86 Ethyl methacrylate	69	6.939	6.939	0.000	86	617363	200.0	204.3	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	345926	200.0	192.7	
88 Tetrachloroethene	166	7.140	7.134	0.006	95	403764	200.0	160.0	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	92	694090	200.0	195.0	
90 2-Hexanone	43	7.390	7.384	0.006	91	1167452	1000.0	1018.0	
91 n-Butyl acetate	43	7.506	7.506	0.000	96	563873	200.0	199.7	
92 Chlorodibromomethane	129	7.531	7.531	0.000	98	505498	200.0	204.9	
93 Ethylene Dibromide	107	7.677	7.671	0.006	99	441238	200.0	199.7	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	86	317356	50.0	50.0	
95 Chlorobenzene	112	8.250	8.250	0.000	95	1263367	200.0	186.4	
96 Ethylbenzene	106	8.366	8.366	0.000	98	599881	200.0	163.7	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	96	542349	200.0	198.5	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	752910	200.0	164.7	
99 o-Xylene	106	9.042	9.036	0.006	94	847247	200.0	175.6	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	404578	200.0	203.6	
101 Styrene	104	9.079	9.079	0.000	95	1275021	200.0	175.7	
102 Bromoform	173	9.323	9.323	0.000	97	332919	200.0	207.4	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	791880	200.0	222.3	
104 Isopropylbenzene	105	9.488	9.488	0.000	96	1886803	200.0	155.2	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	121563	50.0	48.3	
106 Bromobenzene	156	9.859	9.859	0.000	98	546323	200.0	198.8	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	98	569450	200.0	219.1	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	1967430	200.0	157.4	
109 1,2,3-Trichloropropane	110	9.975	9.981	-0.006	97	161953	200.0	203.9	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	95	138411	200.0	209.4	
111 2-Chlorotoluene	91	10.067	10.061	0.006	97	1611134	200.0	180.2	
112 4-Ethyltoluene	105	10.091	10.085	0.006	98	2195570	200.0	201.4	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	92	1582339	200.0	166.6	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	1467192	200.0	167.9	
115 Butyl Methacrylate	87	10.298	10.298	0.000	87	746379	200.0	216.7	
116 tert-Butylbenzene	119	10.481	10.475	0.006	94	1247387	200.0	161.6	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	1691936	200.0	169.9	
118 sec-Butylbenzene	105	10.695	10.695	0.000	99	1723411	200.0	148.0	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	925880	200.0	178.3	
120 4-Isopropyltoluene	119	10.847	10.841	0.006	98	1504671	200.0	146.9	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	156059	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	907496	200.0	178.1	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	2209333	200.0	210.7	
124 Benzyl chloride	91	11.066	11.066	0.000	99	1258665	200.0	200.9	
125 2,3-Dihydroindene	117	11.121	11.121	0.000	95	2026181	200.0	209.4	
126 p-Diethylbenzene	119	11.201	11.201	0.000	93	1166816	200.0	197.2	
127 n-Butylbenzene	92	11.219	11.219	0.000	97	665087	200.0	130.9	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	95	941801	200.0	180.2	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	2502491	200.0	222.4	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	96	145833	200.0	216.8	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	98	949907	200.0	212.2	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	789489	200.0	178.7	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	94	198596	200.0	121.8	
134 Naphthalene	128	12.767	12.767	0.000	99	2357821	200.0	209.8	

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	12.950	12.950	0.000	96	797818	200.0	183.2	
S 136 1,2-Dichloroethene, Total	100				0		400.0	373.2	
S 137 Xylenes, Total	100				0		400.0	340.3	
S 138 Total 1,2-dichloroethene	1				0			373.2	
S 139 1,3-Dichloropropene, Total	1				0		400.0	408.0	
S 140 Total BTEX	1				0		1000.0	870.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00100	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00093	Amount Added:	20.00	Units: uL	
MIX I Hi_00119	Amount Added:	20.00	Units: uL	
Ethanol mix_00035	Amount Added:	20.00	Units: uL	
8FreonHi_00012	Amount Added:	20.00	Units: uL	
GAS Hi_00337	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:29:26 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0995.D

Injection Date: 21-Dec-2019 12:57:30 Instrument ID: CVOAMS17

Lims ID: STD200

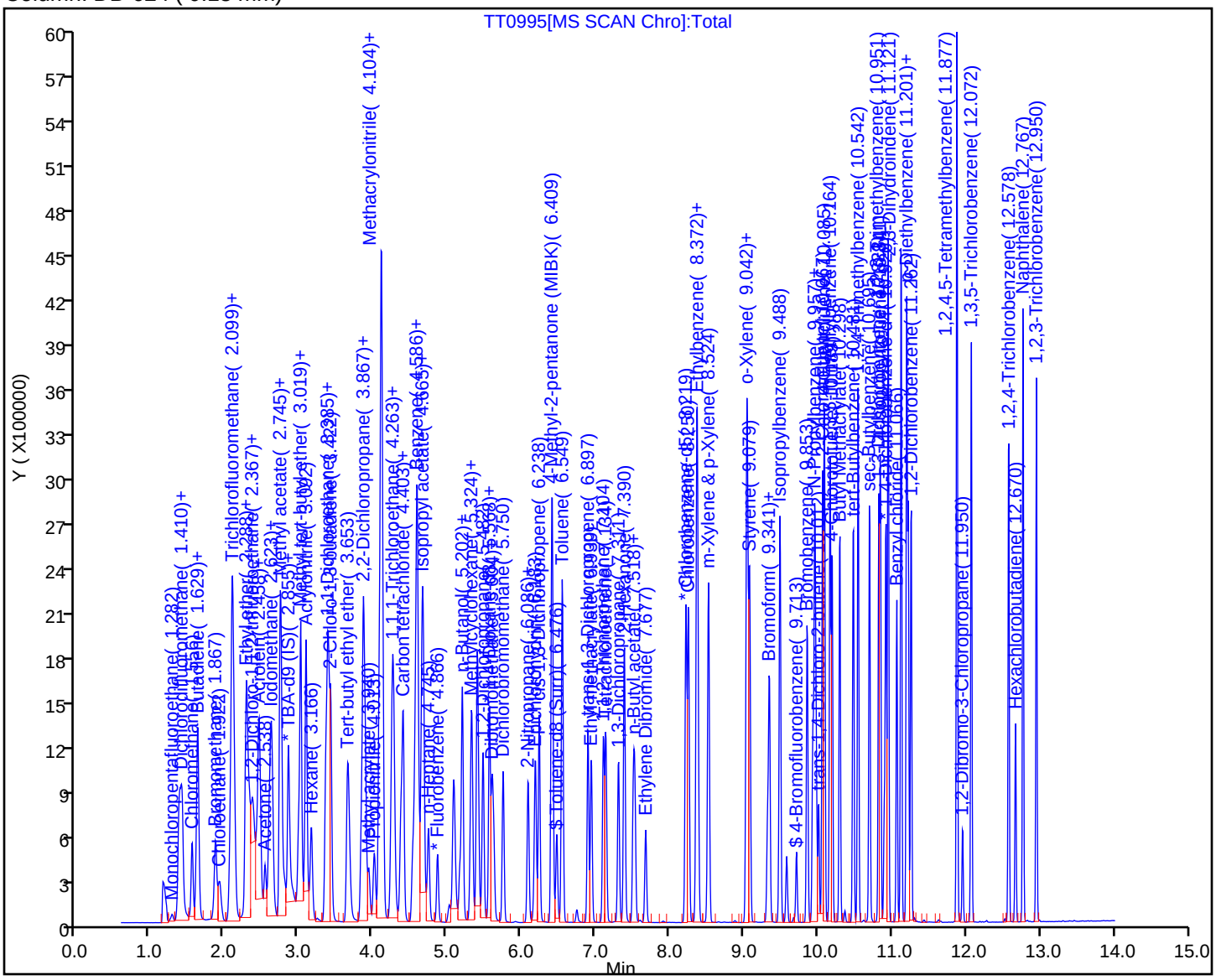
Client ID:

Operator ID: ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

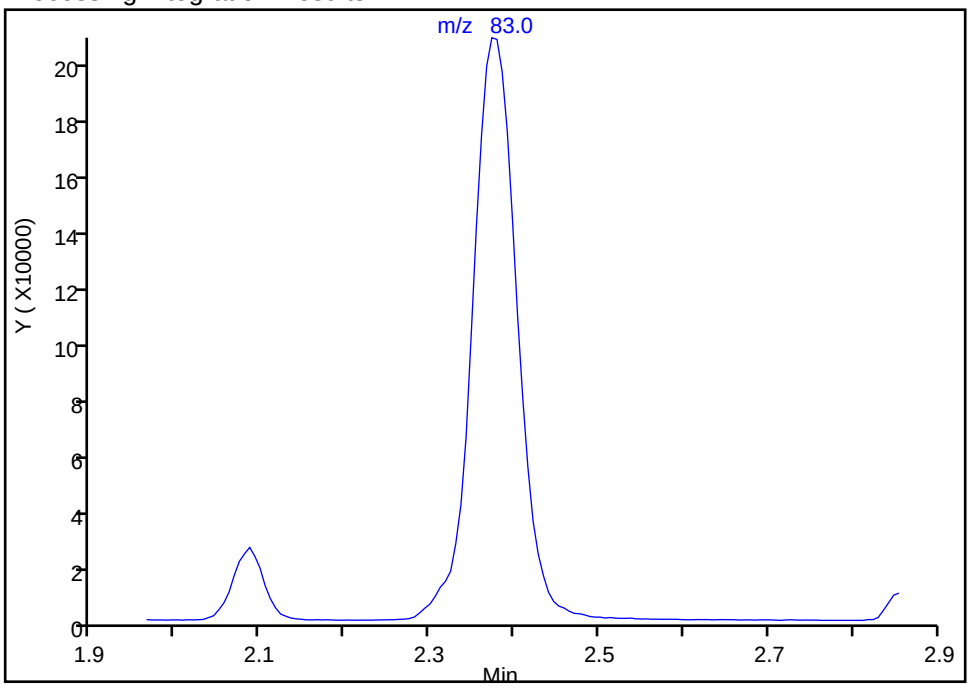
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0995.D
Injection Date: 21-Dec-2019 12:57:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

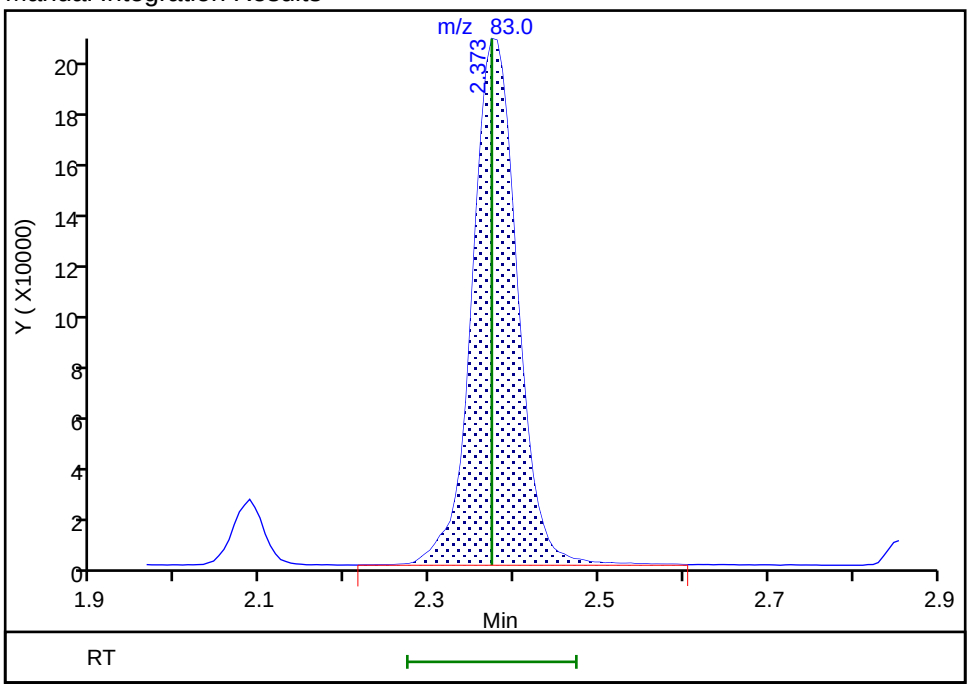
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 775431
Amount: 182.1755
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:13:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

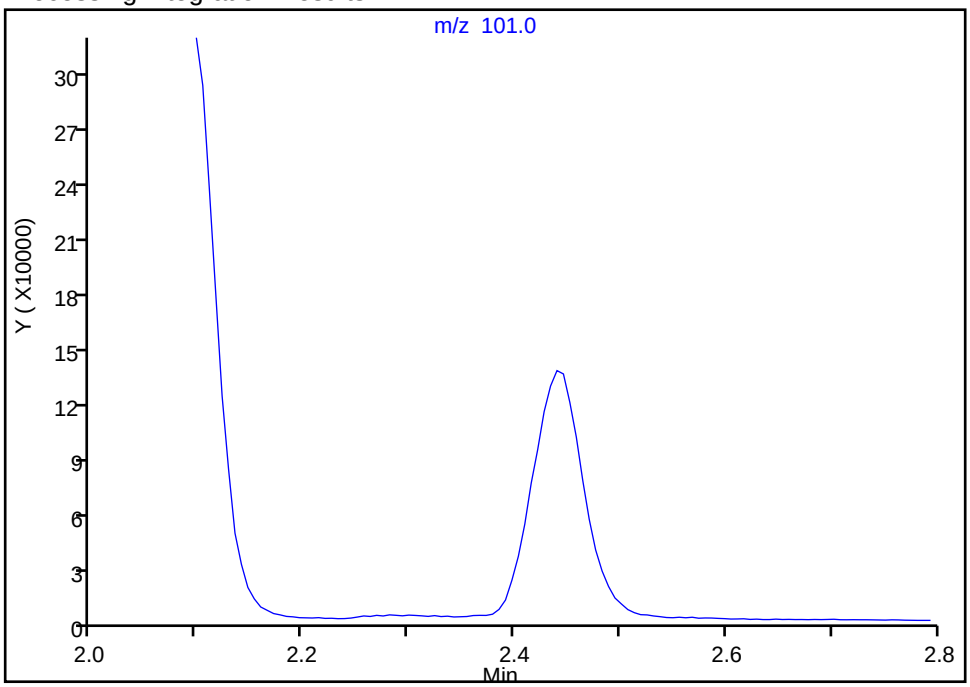
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0995.D
Injection Date: 21-Dec-2019 12:57:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

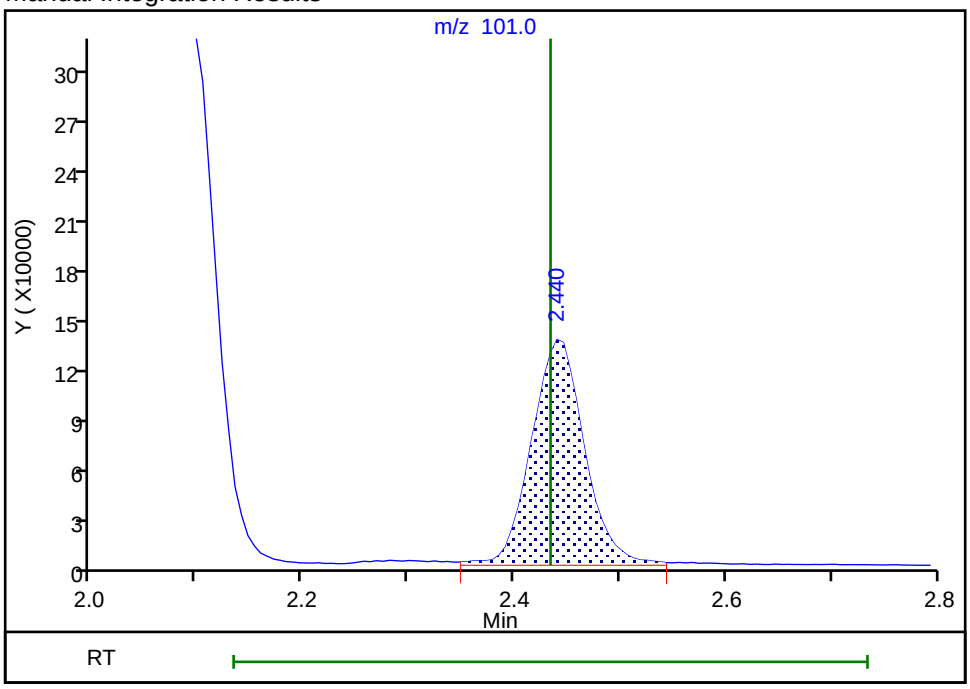
Not Detected
Expected RT: 2.43

Processing Integration Results



Manual Integration Results

RT: 2.44
Area: 465698
Amount: 169.6773
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:13:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

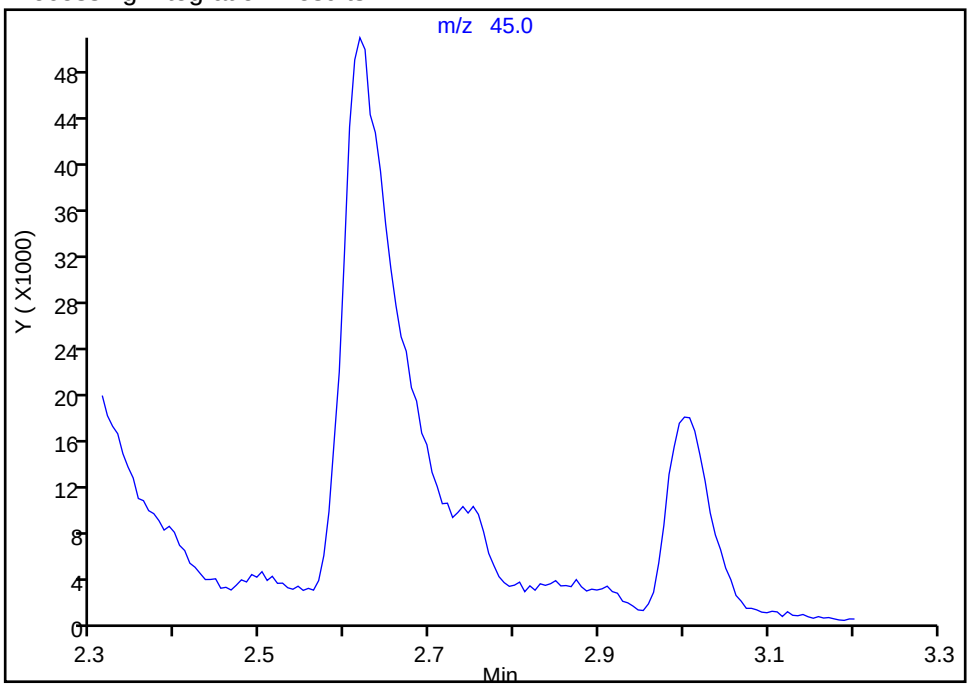
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0995.D
Injection Date: 21-Dec-2019 12:57:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

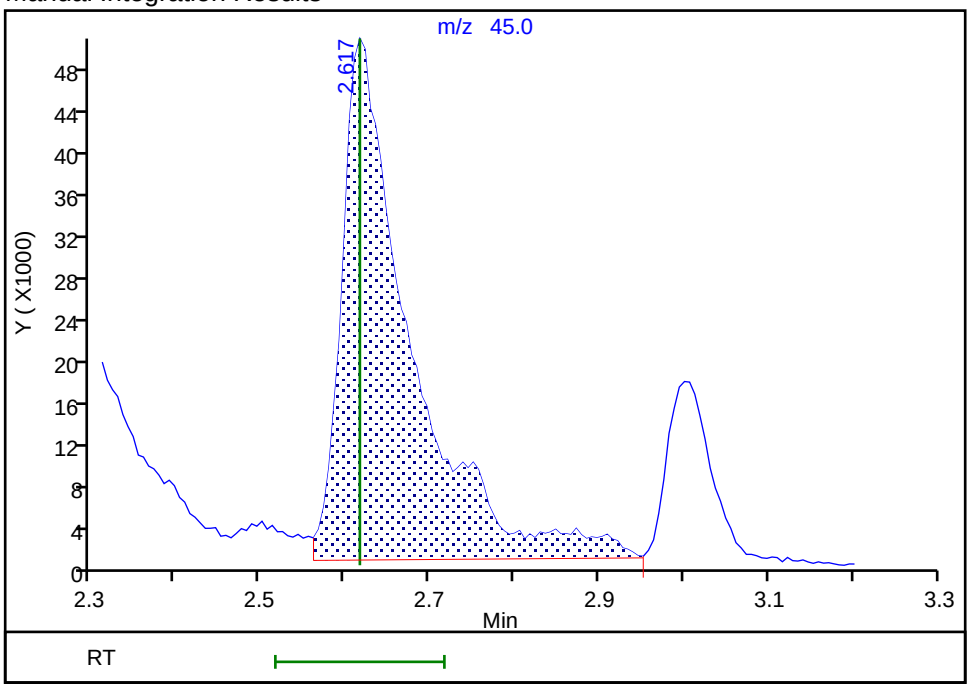
Not Detected
Expected RT: 2.62

Processing Integration Results



Manual Integration Results

RT: 2.62
Area: 281984
Amount: 2175.6447
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:13:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

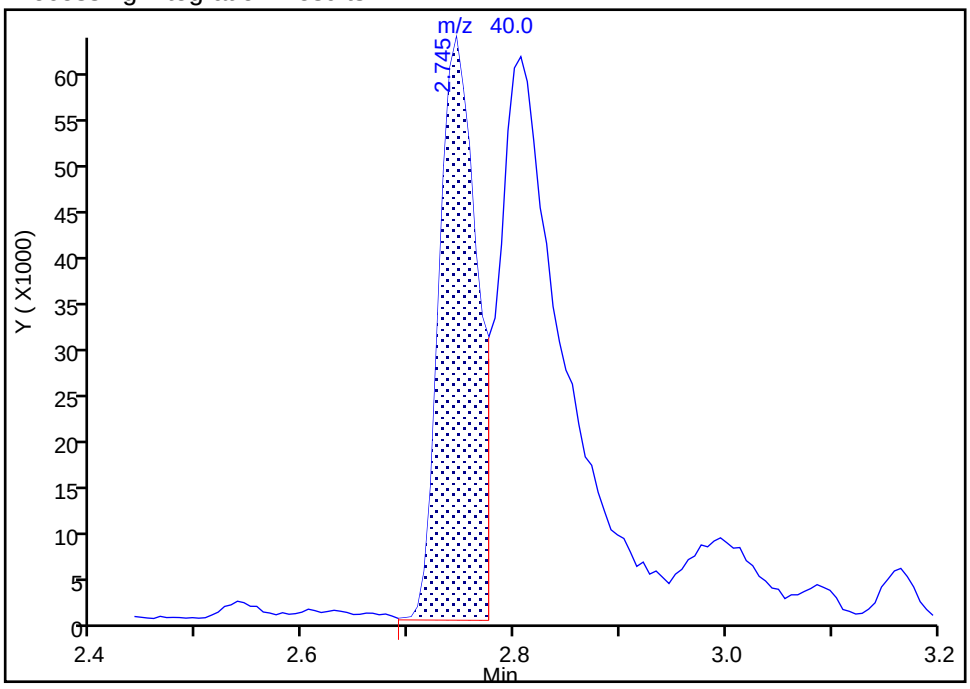
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0995.D
Injection Date: 21-Dec-2019 12:57:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

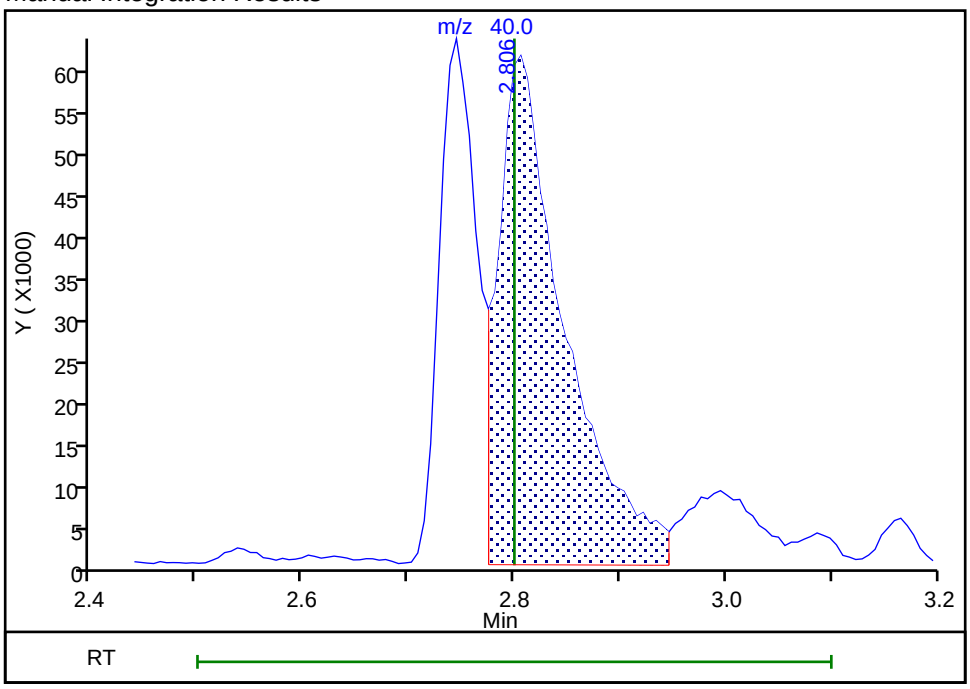
Processing Integration Results

RT: 2.74
Area: 161742
Amount: 1489.1607
Amount Units: ug/l



Manual Integration Results

RT: 2.81
Area: 272656
Amount: 2003.1681
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:14:05
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

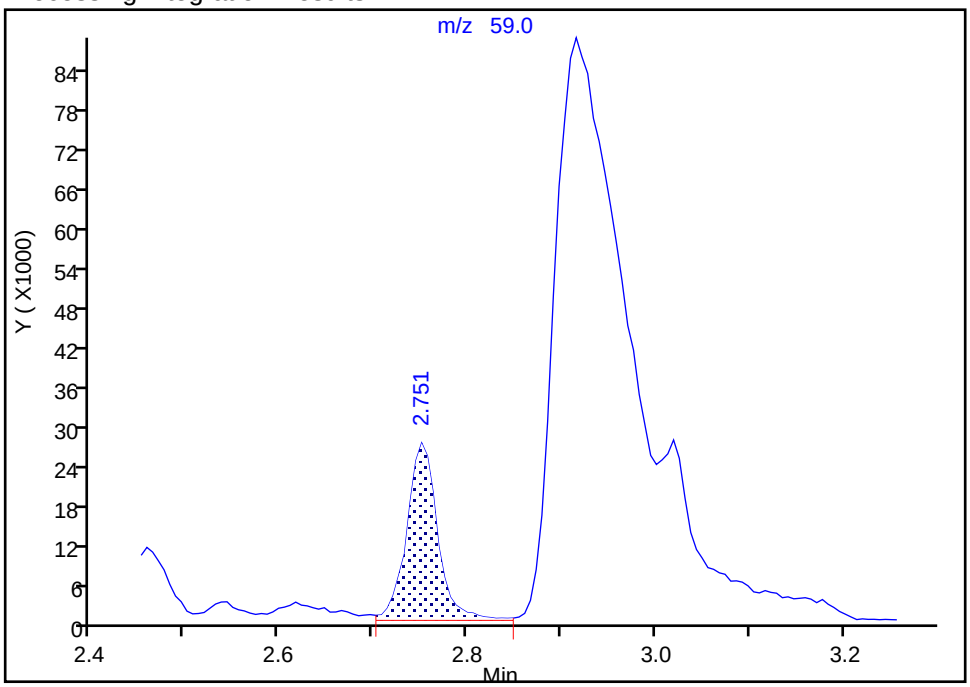
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0995.D
Injection Date: 21-Dec-2019 12:57:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

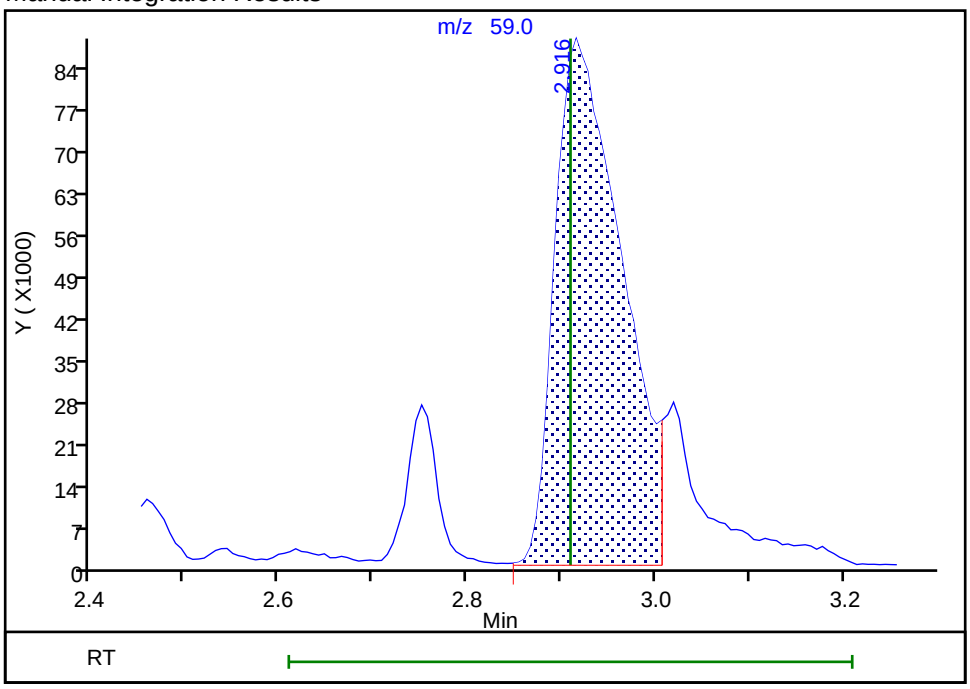
Processing Integration Results

RT: 2.75
Area: 61771
Amount: 453.5197
Amount Units: ug/l



Manual Integration Results

RT: 2.92
Area: 442490
Amount: 1956.8995
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:14:12
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Dec-2019 13:18:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0103229-009
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:29:37 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: pakanatir Date: 21-Dec-2019 14:17:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.282	1.288	-0.006	90	34607	500.0	178.0	
2 1,1-Difluoroethane	51	1.367	1.373	-0.006	90	1109027	500.0	446.9	
3 Chlorotrifluoroethene	116	1.367	1.373	-0.006	88	541610	500.0	468.2	
4 Dichlorodifluoromethane	85	1.392	1.398	-0.006	99	2767005	500.0	551.7	
5 Chlorodifluoromethane	51	1.410	1.416	-0.006	99	1728718	500.0	474.9	
6 Chloromethane	50	1.544	1.550	-0.006	98	1570247	500.0	473.3	
7 Vinyl chloride	62	1.623	1.623	0.000	98	1659653	500.0	479.3	
8 Butadiene	54	1.617	1.623	-0.006	94	1305189	500.0	464.0	
9 Bromomethane	94	1.861	1.867	-0.006	99	1033916	500.0	397.0	
10 Chloroethane	64	1.916	1.922	-0.006	100	717083	500.0	418.5	
11 Dichlorofluoromethane	67	2.074	2.080	-0.006	99	2641812	500.0	450.4	
12 Trichlorofluoromethane	101	2.087	2.093	-0.006	98	2609241	500.0	498.3	
13 Pentane	72	2.105	2.099	0.006	93	437490	1000.0	912.7	
15 Ethyl ether	74	2.263	2.269	-0.006	93	680381	500.0	425.1	
14 Ethanol	46	2.263	2.269	-0.006	78	179742	20000	19994	
16 2-Methyl-1,3-butadiene	53	2.282	2.288	-0.006	95	1007143	500.0	462.3	
17 1,2-Dichloro-1,1,2-trifluo	117	2.324	2.318	0.006	87	1239572	500.0	428.8	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	97	1880589	500.0	425.7	a
19 Acrolein	56	2.422	2.422	0.000	93	107438	400.0	312.9	
20 1,1,2-Trichloro-1,2,2-trif	101	2.434	2.434	0.000	97	1458140	500.0	511.8	
21 1,1-Dichloroethene	96	2.458	2.452	0.006	98	1268645	500.0	440.0	
22 Acetone	43	2.532	2.532	0.000	88	1462601	2500.0	2168.7	
23 Iodomethane	142	2.593	2.593	0.001	98	2553993	500.0	443.0	
25 Isopropyl alcohol	45	2.611	2.617	-0.006	98	610939	5000.0	4587.2	a
24 Carbon disulfide	76	2.623	2.623	0.000	99	4751547	500.0	434.1	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	87	774932	500.0	450.8	
27 Methyl acetate	43	2.745	2.745	0.000	97	1326706	1000.0	858.8	
28 Cyclopentene	67	2.751	2.751	0.000	94	2775209	500.0	437.4	
29 Acetonitrile	40	2.794	2.800	-0.006	100	657155	5000.0	4999.5	a
* 31 TBA-d9 (IS)	66	2.843	2.842	0.001	30	33943	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	2.849	2.849	0.000	85	1402508	500.0	413.5	
32 2-Methyl-2-propanol	59	2.910	2.910	0.000	96	971910	5000.0	4182.9	
33 Methyl tert-butyl ether	73	2.995	2.995	0.000	96	2949363	500.0	401.2	
34 trans-1,2-Dichloroethene	96	3.013	3.019	-0.006	93	1281252	500.0	420.0	
35 Acrylonitrile	53	3.086	3.086	0.000	94	3498984	5000.0	4282.6	
36 Hexane	57	3.160	3.159	0.001	90	1544923	500.0	497.1	
37 Isopropyl ether	45	3.361	3.361	0.000	92	2865011	500.0	411.0	
38 1,1-Dichloroethane	63	3.379	3.385	-0.006	99	2039729	500.0	433.6	
39 Vinyl acetate	86	3.397	3.397	0.000	99	434494	1000.0	838.4	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	91	1124131	500.0	444.5	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	90	3167491	500.0	418.1	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	95	187806	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	94	487092	500.0	469.1	
44 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	99	1390238	500.0	418.9	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	97	578632	2500.0	2131.3	
46 Ethyl acetate	70	3.891	3.891	0.000	97	247576	1000.0	853.3	
47 Methyl acrylate	55	3.934	3.940	-0.006	99	856402	500.0	432.9	
48 Propionitrile	54	4.007	4.007	0.000	98	1407848	5000.0	4741.9	
49 Chlorobromomethane	128	4.074	4.074	0.000	75	723880	500.0	435.6	
50 Tetrahydrofuran	72	4.074	4.080	-0.006	67	272429	1000.0	824.6	
51 Methacrylonitrile	67	4.105	4.104	0.000	87	3741282	5000.0	3982.2	
52 Chloroform	83	4.129	4.123	0.006	99	1932374	500.0	396.2	
53 Cyclohexane	84	4.251	4.251	0.000	87	2056224	500.0	488.7	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	98	2043752	500.0	457.4	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	106039	50.0	44.4	
56 Carbon tetrachloride	117	4.373	4.373	0.000	98	1935785	500.0	489.8	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	97	1640574	500.0	468.1	
58 Isobutyl alcohol	43	4.537	4.531	0.006	93	1735470	12500	12367	a
59 Isooctane	57	4.568	4.568	0.000	98	4460348	500.0	476.4	
60 Benzene	78	4.586	4.586	0.000	96	4404747	500.0	403.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	74	135909	50.0	51.2	
62 Tert-amyl methyl ether	73	4.659	4.653	0.006	81	3490370	500.0	422.6	
63 Isopropyl acetate	61	4.659	4.665	-0.006	92	540614	500.0	422.2	
64 1,2-Dichloroethane	62	4.678	4.677	0.001	98	1535081	500.0	429.6	
65 n-Heptane	100	4.745	4.738	0.007	85	350935	500.0	606.4	
* 66 Fluorobenzene	96	4.867	4.860	0.007	99	447586	50.0	50.0	
67 n-Butanol	56	5.165	5.165	0.000	84	767764	12500	12402	
68 Trichloroethene	95	5.202	5.196	0.006	98	1312294	500.0	491.1	
69 Methylcyclohexane	83	5.318	5.318	0.000	90	2536090	500.0	541.3	
70 Ethyl acrylate	99	5.330	5.330	0.000	99	197894	500.0	536.7	
71 1,2-Dichloropropane	63	5.482	5.476	0.006	89	1097436	500.0	473.0	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	79	15844	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	80	633487	1000.0	941.9	
75 1,4-Dioxane	88	5.592	5.592	0.000	87	242096	10000	12856	
74 Dibromomethane	93	5.604	5.598	0.006	97	738279	500.0	441.8	
76 n-Propyl acetate	43	5.623	5.622	0.000	96	1152055	500.0	463.5	
77 Dichlorobromomethane	83	5.751	5.750	0.001	99	1727160	500.0	504.0	
78 2-Nitropropane	41	6.086	6.086	0.000	97	650123	1000.0	1013.1	
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	92	727337	501.2	512.0	
80 Epichlorohydrin	57	6.189	6.183	0.006	99	2206026	10000	9565.3	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	91	2065923	500.0	481.2	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	92	4457598	2500.0	2344.4	

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	6.476	6.476	0.000	99	428566	50.0	47.3	
84 Toluene	91	6.549	6.549	0.000	94	4992660	500.0	446.0	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	95	1945238	500.0	480.5	
86 Ethyl methacrylate	69	6.945	6.939	0.006	86	1522659	500.0	453.6	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	884245	500.0	443.5	
88 Tetrachloroethene	166	7.141	7.134	0.006	95	1324609	500.0	472.7	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	92	1789552	500.0	452.6	
90 2-Hexanone	43	7.390	7.384	0.006	92	2848982	2500.0	2343.3	
91 n-Butyl acetate	43	7.506	7.506	0.000	96	1365691	500.0	435.5	
92 Chlorodibromomethane	129	7.531	7.531	0.000	98	1317111	500.0	480.7	
93 Ethylene Dibromide	107	7.677	7.671	0.006	99	1147315	500.0	467.6	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	87	352491	50.0	50.0	
95 Chlorobenzene	112	8.256	8.250	0.006	95	3509747	500.0	466.2	
96 Ethylbenzene	106	8.366	8.366	0.000	98	1768607	500.0	434.6	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	95	1346782	500.0	443.8	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	2294551	500.0	451.9	
99 o-Xylene	106	9.043	9.036	0.007	94	2456088	500.0	458.3	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	926151	500.0	419.5	
101 Styrene	104	9.079	9.079	0.000	95	3431811	500.0	425.8	
102 Bromoform	173	9.323	9.323	0.000	97	897605	500.0	503.4	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	1918098	500.0	492.6	
104 Isopropylbenzene	105	9.488	9.488	0.000	96	6227852	500.0	461.2	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	140018	50.0	50.1	
106 Bromobenzene	156	9.859	9.859	0.000	98	1537781	500.0	511.7	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	97	1414485	500.0	497.8	
108 N-Propylbenzene	91	9.963	9.957	0.006	99	6486667	500.0	474.7	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	97	384905	500.0	443.3	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	95	350352	500.0	484.9	
111 2-Chlorotoluene	91	10.067	10.061	0.006	96	4591455	500.0	469.6	
112 4-Ethyltoluene	105	10.091	10.085	0.006	98	5336646	500.0	447.6	
113 1,3,5-Trimethylbenzene	105	10.170	10.164	0.006	92	5086057	500.0	489.8	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	4347657	500.0	455.1	
115 Butyl Methacrylate	87	10.298	10.298	0.000	87	1841805	500.0	489.2	
116 tert-Butylbenzene	119	10.481	10.475	0.006	93	4652006	500.0	551.2	
117 1,2,4-Trimethylbenzene	105	10.548	10.542	0.006	98	5170868	500.0	474.8	
118 sec-Butylbenzene	105	10.701	10.695	0.006	98	6529258	500.0	512.8	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	95	2672074	500.0	470.6	
120 4-Isopropyltoluene	119	10.847	10.841	0.006	97	5298919	500.0	473.2	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	170626	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	93	2604282	500.0	467.4	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	5186016	500.0	452.4	
124 Benzyl chloride	91	11.067	11.066	0.001	99	3219643	500.0	499.9	
125 2,3-Dihydroindene	117	11.128	11.121	0.007	95	4843848	500.0	457.8	
126 p-Diethylbenzene	119	11.201	11.201	0.000	93	2891044	500.0	446.9	
127 n-Butylbenzene	92	11.225	11.219	0.006	98	2501497	500.0	450.4	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	95	2553375	500.0	446.8	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	5959470	500.0	484.4	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	96	395702	500.0	538.1	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	97	2222602	500.0	454.2	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	95	2278546	500.0	471.7	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	94	956638	500.0	536.4	
134 Naphthalene	128	12.767	12.767	0.000	99	5699558	500.0	463.7	

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	12.950	12.950	0.000	96	2079662	500.0	436.8	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	838.9	
S 137 Xylenes, Total	100				0		1000.0	910.2	
S 138 Total 1,2-dichloroethene	1				0			838.9	
S 139 1,3-Dichloropropene, Total	1				0		1000.0	961.7	
S 140 Total BTEX	1				0		2500.0	2194.3	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00337	Amount Added:	50.00	Units: uL	
MIX I Hi_00119	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00093	Amount Added:	50.00	Units: uL	
Ethanol mix_00035	Amount Added:	50.00	Units: uL	
8FreonHi_00012	Amount Added:	50.00	Units: uL	
ACROLEIN W_00100	Amount Added:	40.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Dec-2019 14:29:39 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Injection Date: 21-Dec-2019 13:18:30 Instrument ID: CVOAMS17

Lims ID: STD500

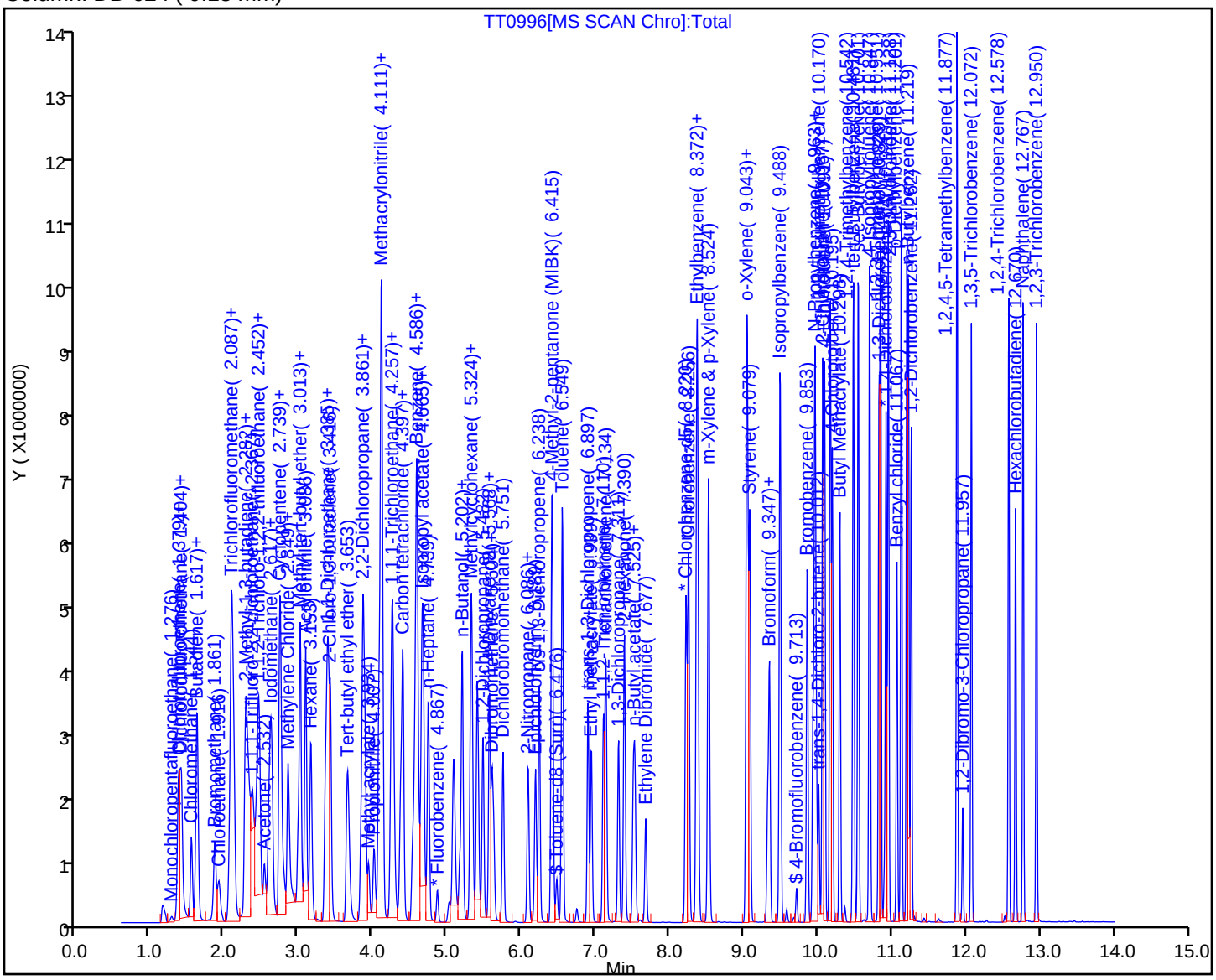
Client ID:

Operator ID: ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

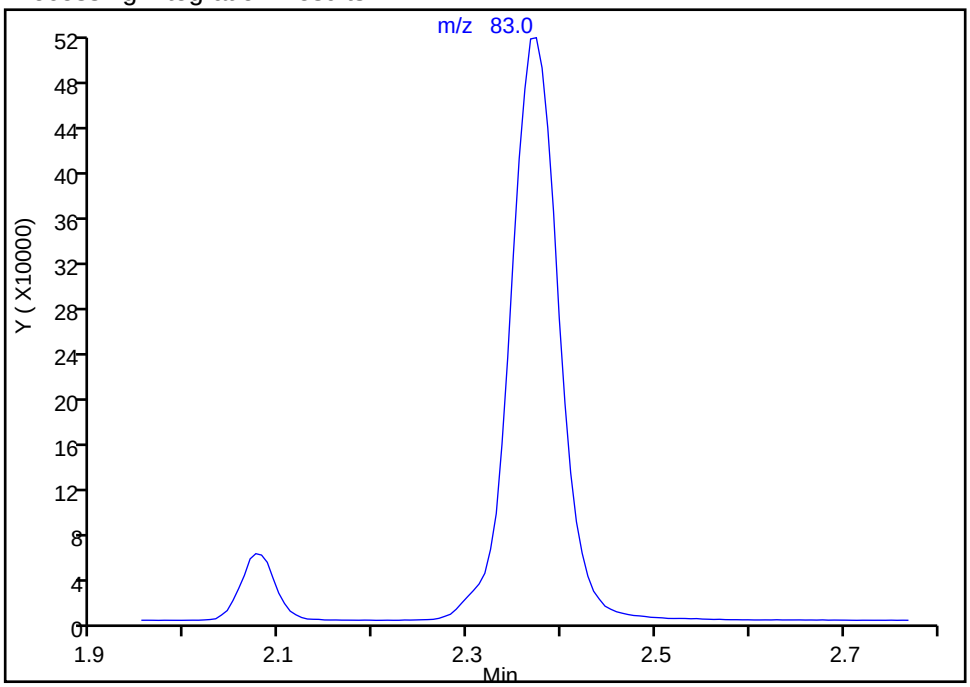
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D
Injection Date: 21-Dec-2019 13:18:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

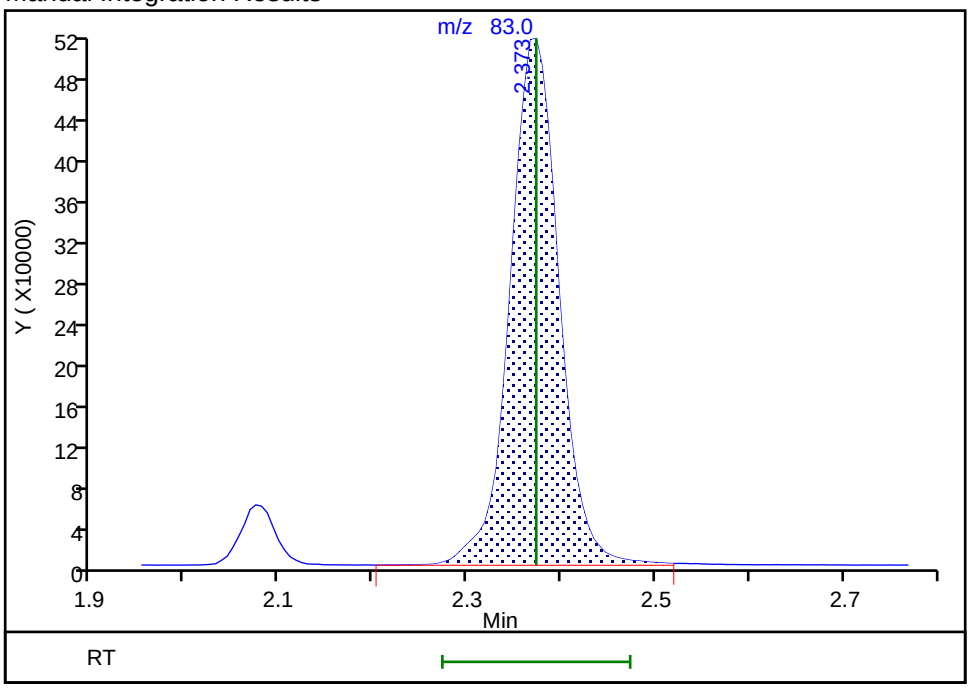
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 1880589
Amount: 425.6613
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:16:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

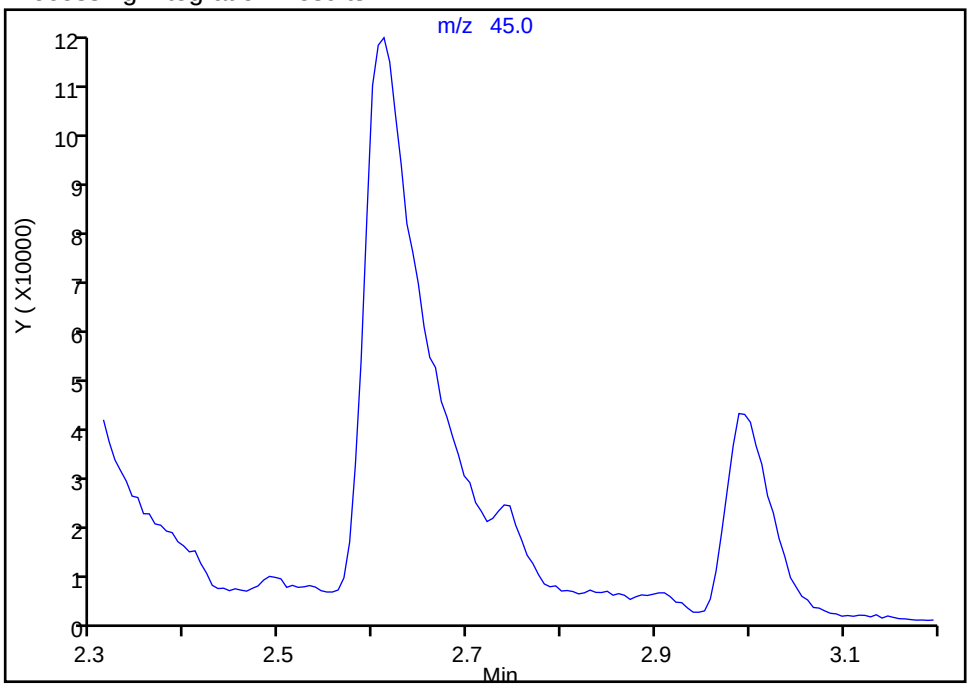
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D
Injection Date: 21-Dec-2019 13:18:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

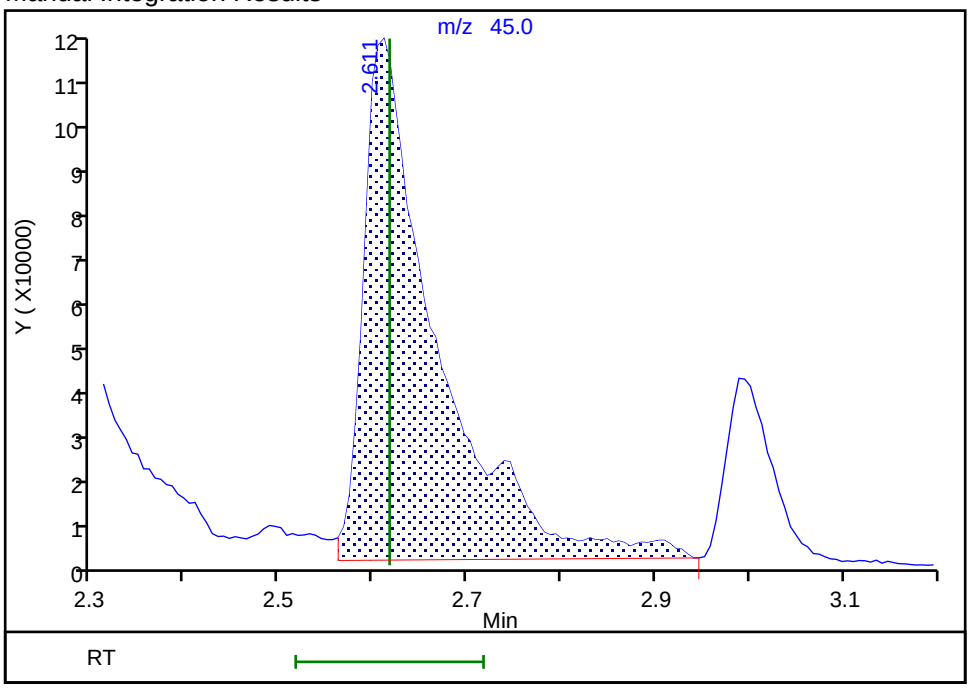
Not Detected
Expected RT: 2.62

Processing Integration Results



Manual Integration Results

RT: 2.61
Area: 610939
Amount: 4587.1822
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:16:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

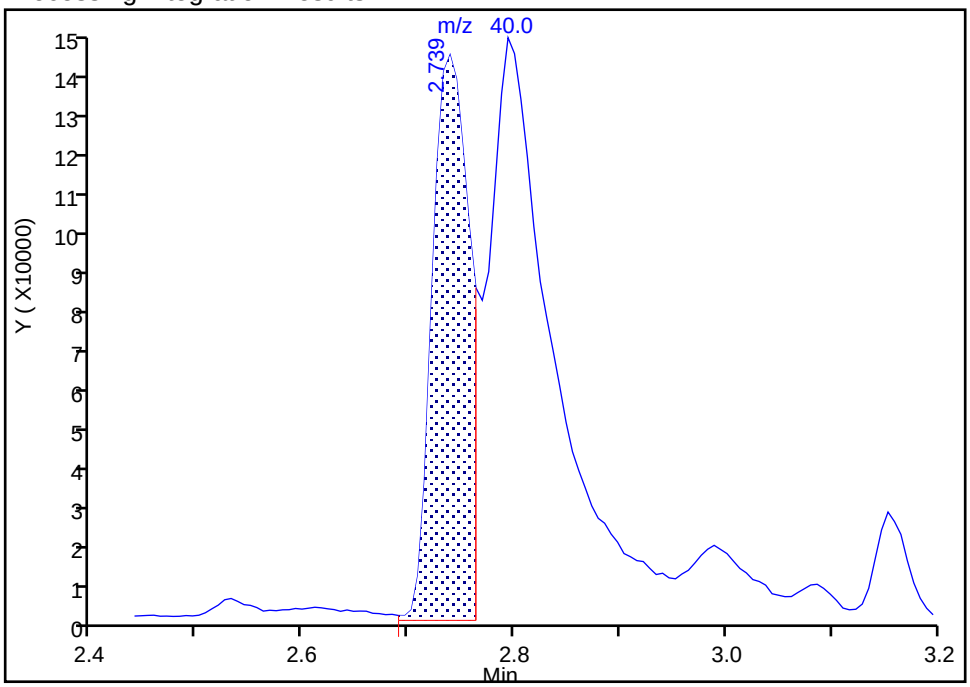
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D
Injection Date: 21-Dec-2019 13:18:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

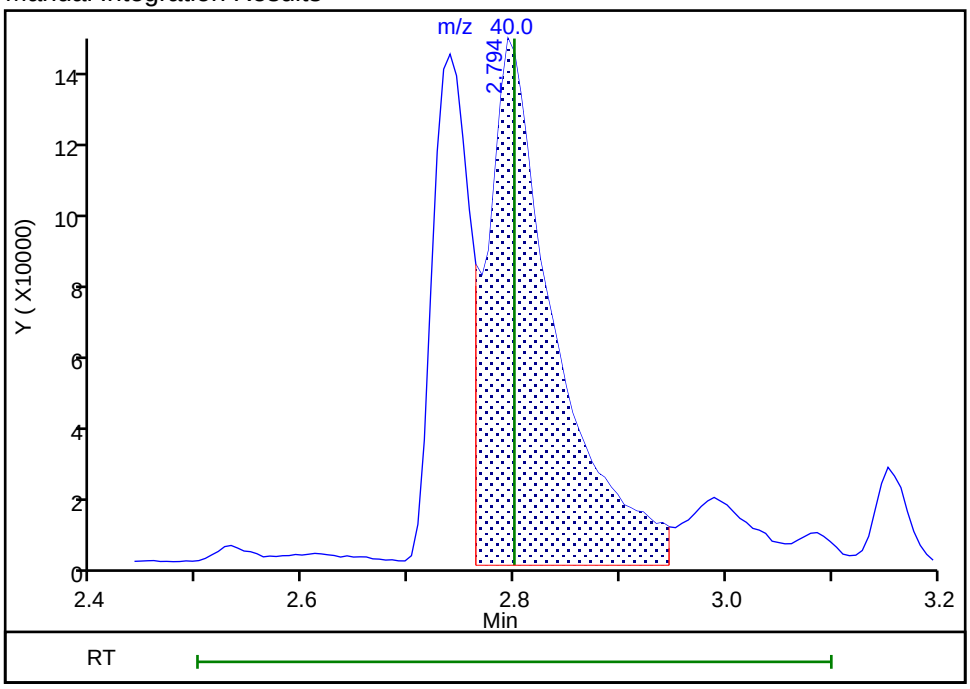
Processing Integration Results

RT: 2.74
Area: 348424
Amount: 2860.0027
Amount Units: ug/l



Manual Integration Results

RT: 2.79
Area: 657155
Amount: 4999.5457
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:16:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

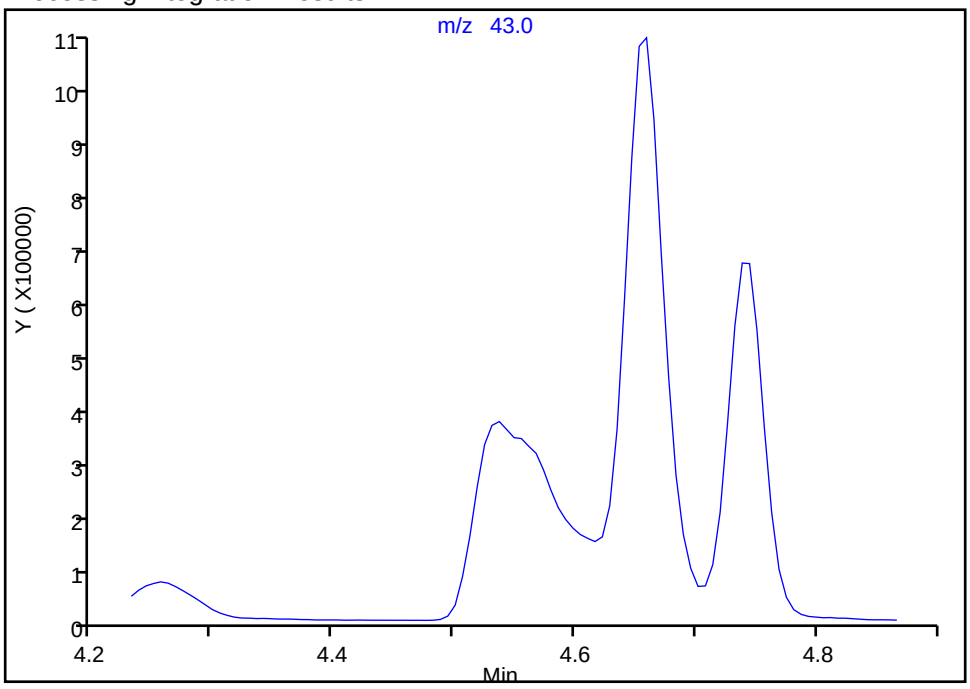
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D
Injection Date: 21-Dec-2019 13:18:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

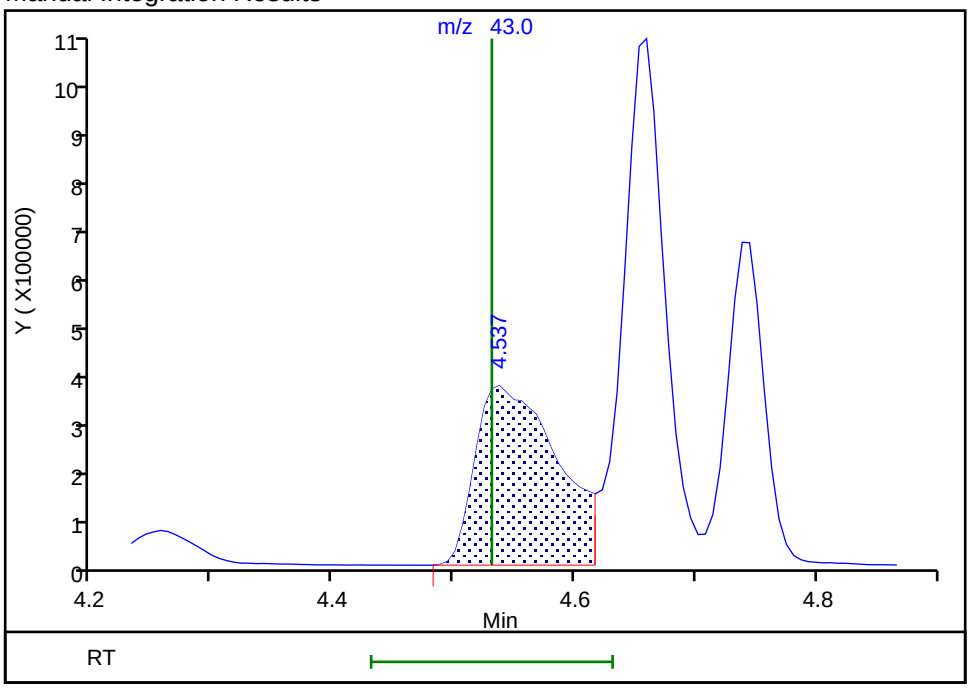
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.54
Area: 1735470
Amount: 12367
Amount Units: ug/l



Reviewer: pakanatir, 21-Dec-2019 14:16:47
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.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665200/4 Calibration Date: 12/26/2019 19:11

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT1288.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
Monochloropentafluoroethane	Ave	0.0217	0.0111		10.2	20.0	-49.1*	20.0
Chlorotrifluoroethene	Ave	0.1292	0.1063		16.4	20.0	-17.8	20.0
1,1-Difluoroethane	Ave	0.2773	0.2041		14.7	20.0	-26.4*	20.0
Dichlorodifluoromethane	Ave	0.5603	0.5117	0.1000	18.3	20.0	-8.7	20.0
Chlorodifluoromethane	Ave	0.4067	0.3483		17.1	20.0	-14.3	20.0
Chloromethane	Ave	0.3706	0.3143	0.1000	17.0	20.0	-15.2	20.0
Butadiene	Ave	0.3142	0.2671		17.0	20.0	-15.0	20.0
Vinyl chloride	Ave	0.3868	0.3457	0.1000	17.9	20.0	-10.6	20.0
Bromomethane	Ave	3.467	3.456	0.1000	19.9	20.0	-0.3	50.0
Chloroethane	Lin2		2.527	0.1000	21.9	20.0	9.3	50.0
Dichlorofluoromethane	Ave	0.6552	0.6204		18.9	20.0	-5.3	20.0
Trichlorofluoromethane	Ave	0.5849	0.5826	0.1000	19.9	20.0	-0.4	20.0
Pentane	Ave	0.0535	0.0450		33.6	40.0	-15.9	20.0
Ethyl ether	Ave	0.1788	0.1646		18.4	20.0	-7.9	20.0
Ethanol	QuaF		0.2748		662	800	-17.3	50.0
2-Methyl-1,3-butadiene	Ave	0.2433	0.1997		16.4	20.0	-17.9	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3230	0.2693		16.7	20.0	-16.6	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.4935	0.4120		16.7	20.0	-16.5	20.0
Acrolein	Ave	10.11	7.875		31.1	40.0	-22.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3182	0.3100	0.1000	19.5	20.0	-2.6	20.0
1,1-Dichloroethene	Ave	0.3221	0.2937	0.1000	18.2	20.0	-8.8	20.0
Acetone	Ave	0.8978	0.9447	0.0500	105	100	5.2	50.0
Iodomethane	Ave	0.6441	0.6364		19.8	20.0	-1.2	20.0
Isopropyl alcohol	Ave	3.924	3.593		183	200	-8.4	50.0
Carbon disulfide	Ave	1.223	1.107	0.1000	18.1	20.0	-9.5	50.0
Allyl chloride	Ave	0.1920	0.1822		19.0	20.0	-5.1	20.0
Methyl acetate	Ave	0.1726	0.1510	0.1000	35.0	40.0	-12.5	20.0
Cyclopentene	Ave	0.7088	0.6154		17.4	20.0	-13.2	20.0
Acetonitrile	QuaF		0.2215		219	200	9.5	20.0
Methylene Chloride	Ave	0.3789	0.3472	0.1000	18.3	20.0	-8.4	20.0
2-Methyl-2-propanol	Ave	6.845	6.406		187	200	-6.4	50.0
Methyl tert-butyl ether	Ave	0.8212	0.7890	0.1000	19.2	20.0	-3.9	20.0
trans-1,2-Dichloroethene	Ave	0.3408	0.3162	0.1000	18.6	20.0	-7.2	20.0
Acrylonitrile	Ave	0.0913	0.0870		191	200	-4.7	20.0
Hexane	Ave	0.3472	0.3187		18.4	20.0	-8.2	20.0
Isopropyl ether	Ave	0.7788	0.7337		18.8	20.0	-5.8	20.0
1,1-Dichloroethane	Ave	0.5255	0.4898	0.2000	18.6	20.0	-6.8	20.0
Vinyl acetate	Ave	0.6899	0.7574		43.9	40.0	9.8	20.0
2-Chloro-1,3-butadiene	Ave	0.2825	0.2667		18.9	20.0	-5.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665200/4 Calibration Date: 12/26/2019 19:11

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT1288.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
Tert-butyl ethyl ether	Ave	0.8462	0.7978		18.9	20.0	-5.7	20.0
2,2-Dichloropropane	Ave	0.1160	0.1098		18.9	20.0	-5.3	20.0
cis-1,2-Dichloroethene	Ave	0.3708	0.3427	0.1000	18.5	20.0	-7.6	20.0
2-Butanone (MEK)	Ave	0.3614	0.3609	0.0500	99.9	100	-0.1	50.0
Ethyl acetate	Lin2		0.3819		38.7	40.0	-3.3	20.0
Methyl acrylate	Ave	0.2210	0.1807		16.4	20.0	-18.2	20.0
Propionitrile	Ave	8.747	8.796		201	200	0.6	20.0
Chlorobromomethane	Ave	0.1856	0.1847		19.9	20.0	-0.5	20.0
Tetrahydrofuran	Ave	0.4398	0.4220		38.4	40.0	-4.0	20.0
Methacrylonitrile	Ave	0.1050	0.1047		199	200	-0.3	20.0
Chloroform	Ave	0.5449	0.5284	0.2000	19.4	20.0	-3.0	20.0
Cyclohexane	Ave	0.4701	0.4463	0.1000	19.0	20.0	-5.1	50.0
1,1,1-Trichloroethane	Ave	0.4992	0.4710	0.1000	18.9	20.0	-5.6	20.0
Carbon tetrachloride	Ave	0.4415	0.3656	0.1000	16.6	20.0	-17.2	20.0
1,1-Dichloropropene	Ave	0.3915	0.3675		18.8	20.0	-6.1	20.0
Isobutyl alcohol	Ave	4.134	4.002		484	500	-3.2	50.0
2,2,4-Trimethylpentane	Lin2		0.9117		17.6	20.0	-11.9	20.0
Benzene	Ave	1.549	1.435	0.5000	18.5	20.0	-7.3	20.0
Isopropyl acetate	Ave	0.1431	0.1294		18.1	20.0	-9.5	20.0
Tert-amyl methyl ether	Ave	0.9227	0.8710		18.9	20.0	-5.6	20.0
1,2-Dichloroethane	Ave	0.3991	0.3836	0.1000	19.2	20.0	-3.9	20.0
n-Heptane	Ave	0.0646	0.0758		23.5	20.0	17.3	20.0
n-Butanol	Ave	1.824	1.530		419	500	-16.1	50.0
Trichloroethene	Ave	0.2985	0.2857	0.2000	19.1	20.0	-4.3	20.0
Methylcyclohexane	Ave	0.5233	0.4924	0.1000	18.8	20.0	-5.9	50.0
Ethyl acrylate	Ave	0.0412	0.0421		20.5	20.0	2.3	20.0
1,2-Dichloropropane	Ave	0.2592	0.2440	0.1000	18.8	20.0	-5.8	20.0
Methyl methacrylate	Ave	0.0751	0.0716		38.1	40.0	-4.7	20.0
1,4-Dioxane	Ave	1.189	1.169		393	400	-1.7	50.0
Dibromomethane	Ave	0.1867	0.1831		19.6	20.0	-1.9	20.0
n-Propyl acetate	Ave	0.2777	0.2584		18.6	20.0	-6.9	20.0
Dichlorobromomethane	Ave	0.3828	0.3424	0.2000	17.9	20.0	-10.6	20.0
2-Nitropropane	Ave	0.0717	0.0367		20.5	40.0	-48.8*	20.0
2-Chloroethyl vinyl ether	Ave	0.1587	0.1463		18.5	20.0	-7.8	20.0
Epichlorohydrin	Ave	0.3070	0.2945		384	400	-4.1	20.0
cis-1,3-Dichloropropene	Ave	0.6090	0.5608	0.2000	18.4	20.0	-7.9	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.531	2.458	0.0500	97.1	100	-2.9	50.0
Toluene	Ave	1.588	1.454	0.4000	18.3	20.0	-8.5	20.0
trans-1,3-Dichloropropene	Ave	0.5742	0.5155	0.1000	18.0	20.0	-10.2	50.0
Ethyl methacrylate	Ave	0.4762	0.4191		17.6	20.0	-12.0	20.0
1,1,2-Trichloroethane	Ave	0.2828	0.2572	0.1000	18.2	20.0	-9.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665200/4 Calibration Date: 12/26/2019 19:11

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT1288.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
Tetrachloroethene	Ave	0.3975	0.3813	0.2000	19.2	20.0	-4.1	20.0
1,3-Dichloropropane	Ave	0.5609	0.5133		18.3	20.0	-8.5	20.0
2-Hexanone	Ave	1.618	1.536	0.0500	94.9	100	-5.1	50.0
n-Butyl acetate	Ave	0.4449	0.3733		16.8	20.0	-16.1	20.0
Chlorodibromomethane	Ave	0.3887	0.3184	0.1000	16.4	20.0	-18.1	50.0
Ethylene Dibromide	Ave	0.3481	0.3338	0.1000	19.2	20.0	-4.1	20.0
Chlorobenzene	Ave	1.068	1.023	0.5000	19.2	20.0	-4.2	20.0
Ethylbenzene	Ave	0.5773	0.5568	0.1000	19.3	20.0	-3.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4305	0.3735		17.4	20.0	-13.2	20.0
m-Xylene & p-Xylene	Ave	0.7202	0.6771	0.1000	18.8	20.0	-6.0	20.0
o-Xylene	Ave	0.7602	0.7077	0.3000	18.6	20.0	-6.9	20.0
n-Butyl acrylate	Ave	0.3131	0.2752		17.6	20.0	-12.1	20.0
Styrene	Ave	1.143	1.075	0.3000	18.8	20.0	-5.9	20.0
Bromoform	Ave	0.2529	0.1830	0.1000	14.5	20.0	-27.7*	20.0
Amyl acetate (mixed isomers)	Ave	1.141	0.9827		17.2	20.0	-13.9	20.0
Isopropylbenzene	Ave	1.916	1.843	0.1000	19.2	20.0	-3.8	20.0
Bromobenzene	Ave	0.8806	0.8449		19.2	20.0	-4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8326	0.7720	0.3000	18.5	20.0	-7.3	20.0
N-Propylbenzene	Ave	4.004	3.875		19.4	20.0	-3.2	20.0
1,2,3-Trichloropropane	Ave	0.2544	0.2415		19.0	20.0	-5.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2117	0.1649		15.6	20.0	-22.1*	20.0
2-Chlorotoluene	Ave	2.865	2.755		19.2	20.0	-3.8	20.0
4-Ethyltoluene	Ave	3.494	3.358		19.2	20.0	-3.9	20.0
1,3,5-Trimethylbenzene	Ave	3.043	3.023		19.9	20.0	-0.6	20.0
4-Chlorotoluene	Ave	2.799	2.679		19.1	20.0	-4.3	20.0
Butyl Methacrylate	Ave	1.103	1.025		18.6	20.0	-7.1	20.0
tert-Butylbenzene	Ave	2.473	2.370		19.2	20.0	-4.2	20.0
1,2,4-Trimethylbenzene	Ave	3.191	3.084		19.3	20.0	-3.4	20.0
sec-Butylbenzene	Ave	3.731	3.658		19.6	20.0	-2.0	20.0
1,3-Dichlorobenzene	Ave	1.664	1.644	0.6000	19.8	20.0	-1.2	20.0
4-Isopropyltoluene	Ave	3.281	3.264		19.9	20.0	-0.5	20.0
1,4-Dichlorobenzene	Ave	1.633	1.616	0.5000	19.8	20.0	-1.0	20.0
1,2,3-Trimethylbenzene	Ave	3.359	3.226		19.2	20.0	-4.0	20.0
Benzyl chloride	QuaF		1.486		14.3	20.0	-28.7	50.0
Indan	Ave	3.100	3.058		19.7	20.0	-1.4	20.0
p-Diethylbenzene	Ave	1.896	1.824		19.2	20.0	-3.8	20.0
n-Butylbenzene	Ave	1.628	1.648		20.2	20.0	1.2	20.0
1,2-Dichlorobenzene	Ave	1.674	1.667	0.4000	19.9	20.0	-0.5	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.605	3.482		19.3	20.0	-3.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2155	0.1844	0.0500	17.1	20.0	-14.4	50.0
1,3,5-Trichlorobenzene	Ave	1.434	1.471		20.5	20.0	2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665200/4 Calibration Date: 12/26/2019 19:11

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT1288.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	1.415	1.464	0.2000	20.7	20.0	3.4	20.0
Hexachlorobutadiene	Ave	0.5226	0.5714		21.9	20.0	9.3	20.0
Naphthalene	Ave	3.601	3.575		19.9	20.0	-0.7	50.0
1,2,3-Trichlorobenzene	Ave	1.395	1.434		20.6	20.0	2.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2668	0.2817		52.8	50.0	5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2963	0.3077		51.9	50.0	3.8	20.0
Toluene-d8 (Surr)	Ave	1.285	1.249		48.6	50.0	-2.8	20.0
4-Bromofluorobenzene	Ave	0.3968	0.4055		51.1	50.0	2.2	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1288.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Dec-2019 19:11:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0103476-004
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 09:06:14 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: parekhv Date: 26-Dec-2019 19:36:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.288	1.288	0.000	73	1969	20.0	10.2	
3 Chlorotrifluoroethene	116	1.367	1.367	0.000	73	18911	20.0	16.4	
2 1,1-Difluoroethane	51	1.373	1.373	0.000	91	36309	20.0	14.7	
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	99	91045	20.0	18.3	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	98	61983	20.0	17.1	
6 Chloromethane	50	1.544	1.544	0.000	98	55930	20.0	17.0	
8 Butadiene	54	1.623	1.623	0.000	76	47520	20.0	17.0	
7 Vinyl chloride	62	1.623	1.623	0.000	98	61512	20.0	17.9	
9 Bromomethane	94	1.861	1.861	0.000	97	47338	20.0	19.9	
10 Chloroethane	64	1.922	1.922	0.000	99	34617	20.0	21.9	
11 Dichlorofluoromethane	67	2.080	2.080	0.000	99	110391	20.0	18.9	
12 Trichlorofluoromethane	101	2.093	2.093	0.000	97	103664	20.0	19.9	
13 Pentane	72	2.099	2.099	0.000	96	16022	40.0	33.6	
15 Ethyl ether	74	2.263	2.263	0.000	93	29294	20.0	18.4	
14 Ethanol	46	2.269	2.269	0.000	59	7113	800.0	661.7	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	94	35528	20.0	16.4	
17 1,2-Dichloro-1,1,2-trifluo	117	2.312	2.312	0.000	88	47911	20.0	16.7	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.367	2.367	0.000	94	73316	20.0	16.7	a
19 Acrolein	56	2.428	2.428	0.000	90	10192	40.0	31.1	
20 1,1,2-Trichloro-1,2,2-trif	101	2.434	2.434	0.000	93	55159	20.0	19.5	
21 1,1-Dichloroethene	96	2.452	2.452	0.000	98	52266	20.0	18.2	
22 Acetone	43	2.525	2.525	0.000	87	64702	100.0	105.2	
23 Iodomethane	142	2.586	2.586	0.000	98	113234	20.0	19.8	
25 Isopropyl alcohol	45	2.605	2.605	0.000	31	23250	200.0	183.1	a
24 Carbon disulfide	76	2.617	2.617	0.000	99	196906	20.0	18.1	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	93	32423	20.0	19.0	
27 Methyl acetate	43	2.739	2.739	0.000	97	53722	40.0	35.0	
28 Cyclopentene	67	2.751	2.751	0.000	94	109507	20.0	17.4	
29 Acetonitrile	40	2.800	2.800	0.000	96	30341	200.0	219.0	a
* 31 TBA-d9 (IS)	66	2.842	2.842	0.000	98	32357	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	2.848	2.848	0.000	85	61786	20.0	18.3	
32 2-Methyl-2-propanol	59	2.916	2.916	0.000	91	41455	200.0	187.2	
33 Methyl tert-butyl ether	73	2.995	2.995	0.000	95	140395	20.0	19.2	
34 trans-1,2-Dichloroethene	96	3.013	3.013	0.000	93	56267	20.0	18.6	
35 Acrylonitrile	53	3.080	3.080	0.000	96	154801	200.0	190.6	
36 Hexane	57	3.159	3.159	0.000	89	56707	20.0	18.4	
37 Isopropyl ether	45	3.361	3.361	0.000	92	130557	20.0	18.8	
38 1,1-Dichloroethane	63	3.379	3.379	0.000	99	87147	20.0	18.6	
39 Vinyl acetate	86	3.397	3.397	0.000	99	20748	40.0	43.9	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	90	47460	20.0	18.9	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	92	141960	20.0	18.9	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	89	171219	250.0	250.0	
43 2,2-Dichloropropane	97	3.854	3.854	0.000	74	19537	20.0	18.9	M
44 cis-1,2-Dichloroethene	96	3.860	3.860	0.000	98	60979	20.0	18.5	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	98	24719	100.0	99.9	
46 Ethyl acetate	70	3.891	3.891	0.000	96	10461	40.0	38.7	
47 Methyl acrylate	55	3.934	3.934	0.000	99	32161	20.0	16.4	
48 Propionitrile	54	4.007	4.007	0.000	98	56922	200.0	201.1	
49 Chlorobromomethane	128	4.074	4.074	0.000	73	32856	20.0	19.9	
50 Tetrahydrofuran	72	4.080	4.080	0.000	50	11561	40.0	38.4	
51 Methacrylonitrile	67	4.104	4.104	0.000	87	186251	200.0	199.5	
52 Chloroform	83	4.123	4.123	0.000	99	94024	20.0	19.4	
53 Cyclohexane	84	4.245	4.245	0.000	86	79407	20.0	19.0	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	97	83804	20.0	18.9	
$ 55 Dibromofluoromethane (Surr	113	4.269	4.269	0.000	97	125292	50.0	52.8	
56 Carbon tetrachloride	117	4.366	4.366	0.000	97	65055	20.0	16.6	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	98	65393	20.0	18.8	
58 Isobutyl alcohol	43	4.537	4.537	0.000	92	64753	500.0	484.0	
59 Isooctane	57	4.562	4.562	0.000	98	162220	20.0	17.6	
60 Benzene	78	4.586	4.586	0.000	96	192466	20.0	18.5	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	136859	50.0	51.9	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	83	154980	20.0	18.9	
63 Isopropyl acetate	61	4.659	4.659	0.000	87	23025	20.0	18.1	
64 1,2-Dichloroethane	62	4.671	4.671	0.000	99	68258	20.0	19.2	
65 n-Heptane	100	4.738	4.738	0.000	86	13493	20.0	23.5	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	444846	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	84	24754	500.0	419.4	
68 Trichloroethene	95	5.196	5.196	0.000	97	50832	20.0	19.1	
69 Methylcyclohexane	83	5.317	5.317	0.000	89	87611	20.0	18.8	
70 Ethyl acrylate	99	5.330	5.330	0.000	97	7497	20.0	20.5	
71 1,2-Dichloropropane	63	5.476	5.476	0.000	89	43422	20.0	18.8	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	86	22980	1000.0	1000.0	
73 Methyl methacrylate	100	5.567	5.567	0.000	79	25489	40.0	38.1	
75 1,4-Dioxane	88	5.592	5.592	0.000	42	10741	400.0	393.3	
74 Dibromomethane	93	5.598	5.598	0.000	95	32588	20.0	19.6	
76 n-Propyl acetate	43	5.622	5.622	0.000	96	45984	20.0	18.6	
77 Dichlorobromomethane	83	5.750	5.750	0.000	98	60925	20.0	17.9	
78 2-Nitropropane	41	6.080	6.080	0.000	79	13062	40.0	20.5	
79 2-Chloroethyl vinyl ether	63	6.086	6.086	0.000	87	26088	20.0	18.5	
80 Epichlorohydrin	57	6.189	6.189	0.000	98	80675	400.0	383.7	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	75193	20.0	18.4	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	92	168358	100.0	97.1	

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	6.476	6.476	0.000	100	418771	50.0	48.6	
84 Toluene	91	6.549	6.549	0.000	93	194906	20.0	18.3	
85 trans-1,3-Dichloropropene	75	6.896	6.896	0.000	96	69121	20.0	18.0	
86 Ethyl methacrylate	69	6.939	6.939	0.000	86	56200	20.0	17.6	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	96	34492	20.0	18.2	
88 Tetrachloroethene	166	7.134	7.134	0.000	95	51129	20.0	19.2	
89 1,3-Dichloropropane	76	7.305	7.305	0.000	91	68821	20.0	18.3	
90 2-Hexanone	43	7.390	7.390	0.000	91	105168	100.0	94.9	
91 n-Butyl acetate	43	7.512	7.512	0.000	95	50048	20.0	16.8	
92 Chlorodibromomethane	129	7.530	7.530	0.000	96	42694	20.0	16.4	
93 Ethylene Dibromide	107	7.671	7.671	0.000	97	44754	20.0	19.2	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	84	335219	50.0	50.0	
95 Chlorobenzene	112	8.256	8.256	0.000	96	137135	20.0	19.2	
96 Ethylbenzene	106	8.366	8.366	0.000	97	74655	20.0	19.3	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	93	50085	20.0	17.4	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	90785	20.0	18.8	
99 o-Xylene	106	9.042	9.042	0.000	94	94896	20.0	18.6	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	36897	20.0	17.6	
101 Styrene	104	9.079	9.079	0.000	96	144206	20.0	18.8	
102 Bromoform	173	9.323	9.323	0.000	96	24531	20.0	14.5	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	70358	20.0	17.2	
104 Isopropylbenzene	105	9.487	9.487	0.000	95	247113	20.0	19.2	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	135939	50.0	51.1	
106 Bromobenzene	156	9.853	9.853	0.000	96	60493	20.0	19.2	
107 1,1,2,2-Tetrachloroethane	83	9.932	9.932	0.000	97	55270	20.0	18.5	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	277427	20.0	19.4	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	17293	20.0	19.0	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	94	11809	20.0	15.6	
111 2-Chlorotoluene	91	10.067	10.067	0.000	97	197240	20.0	19.2	
112 4-Ethyltoluene	105	10.091	10.091	0.000	98	240429	20.0	19.2	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	216472	20.0	19.9	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	191789	20.0	19.1	
115 Butyl Methacrylate	87	10.298	10.298	0.000	85	73408	20.0	18.6	
116 tert-Butylbenzene	119	10.481	10.481	0.000	93	169656	20.0	19.2	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	98	220806	20.0	19.3	
118 sec-Butylbenzene	105	10.694	10.694	0.000	99	261905	20.0	19.6	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	117674	20.0	19.8	
120 4-Isopropyltoluene	119	10.847	10.847	0.000	98	233685	20.0	19.9	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	178993	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	94	115700	20.0	19.8	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	231003	20.0	19.2	
124 Benzyl chloride	91	11.066	11.066	0.000	99	106367	20.0	14.3	
125 2,3-Dihydroindene	117	11.127	11.127	0.000	94	218936	20.0	19.7	
126 p-Diethylbenzene	119	11.200	11.200	0.000	93	130612	20.0	19.2	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	117975	20.0	20.2	
128 1,2-Dichlorobenzene	146	11.261	11.261	0.000	96	119348	20.0	19.9	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	249278	20.0	19.3	
130 1,2-Dibromo-3-Chloropropan	157	11.956	11.956	0.000	95	13200	20.0	17.1	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	98	105301	20.0	20.5	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	104816	20.0	20.7	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	95	40907	20.0	21.9	
134 Naphthalene	128	12.773	12.773	0.000	99	255948	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	96	102689	20.0	20.6	
S 136 1,2-Dichloroethene, Total	100				0		40.0	37.0	
S 137 Xylenes, Total	100				0		40.0	37.4	
S 139 1,3-Dichloropropene, Total	1				0		40.0	36.4	
S 140 Total BTEX	1				0		100.0	93.6	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Dec-2019 09:06:18 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1288.D

Injection Date: 26-Dec-2019 19:11:30 Instrument ID: CVOAMS17

Lims ID: CCVIS

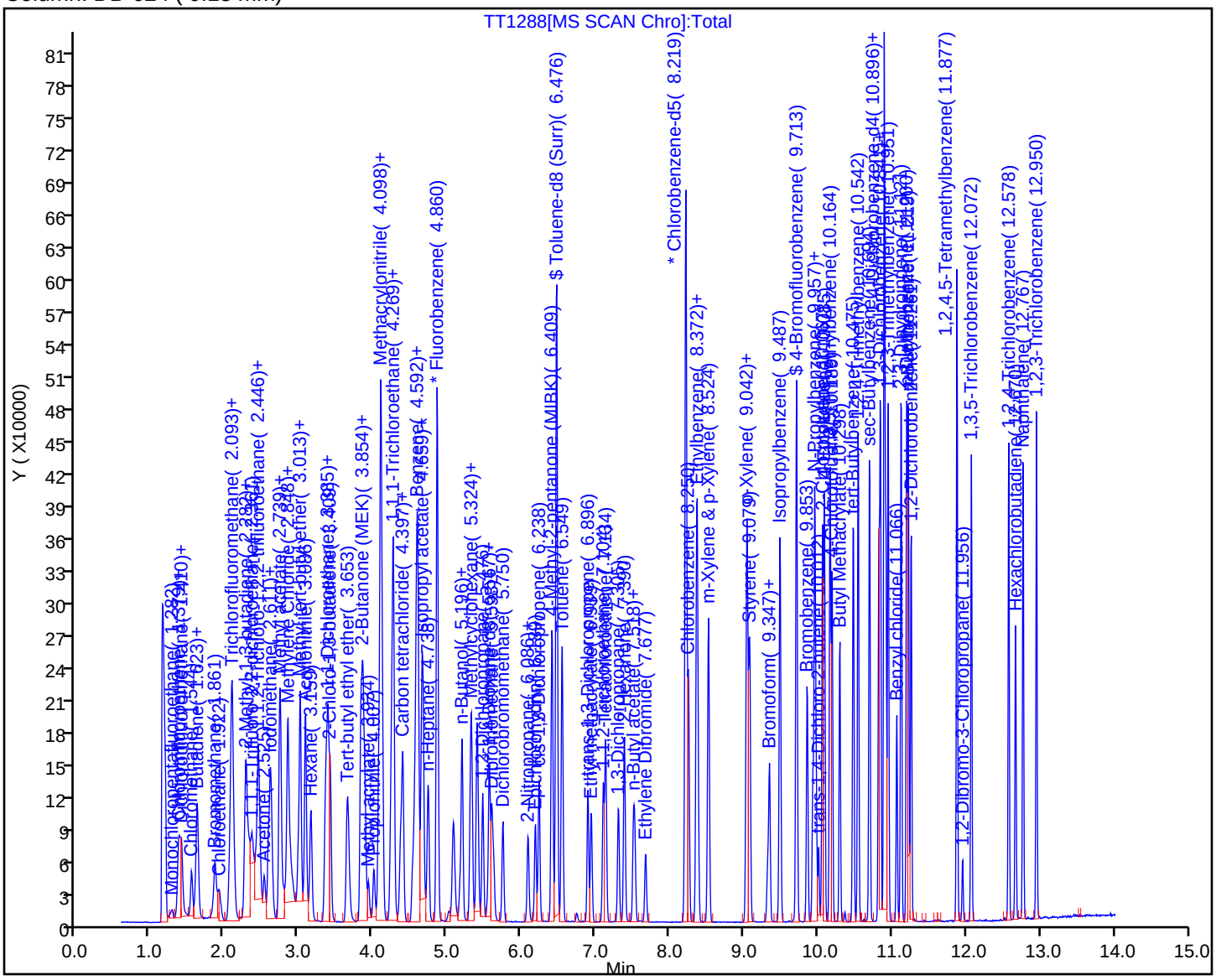
Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

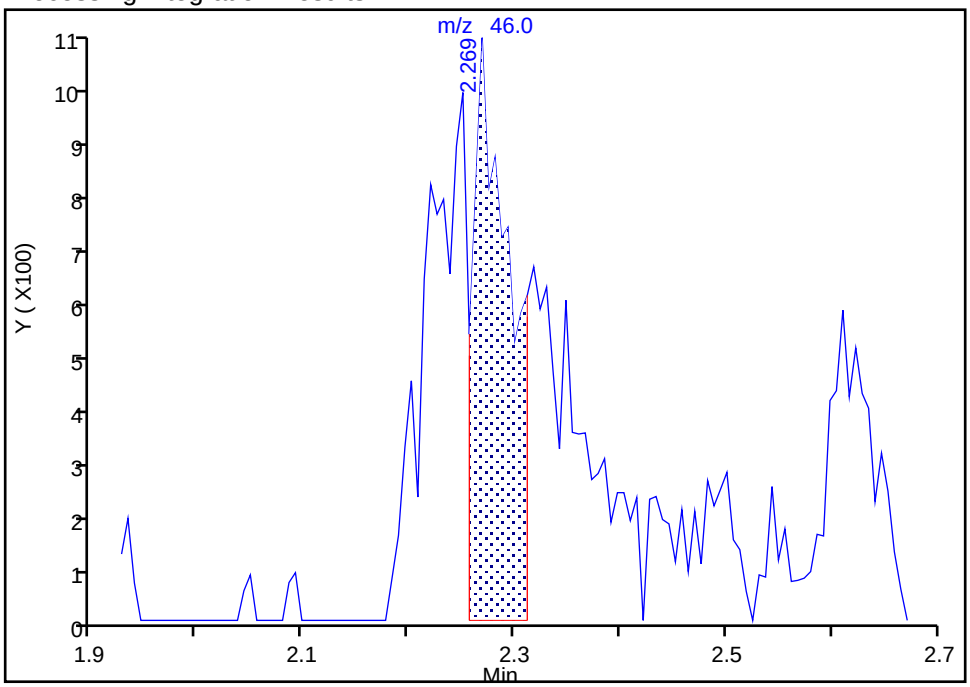
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1288.D
Injection Date: 26-Dec-2019 19:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

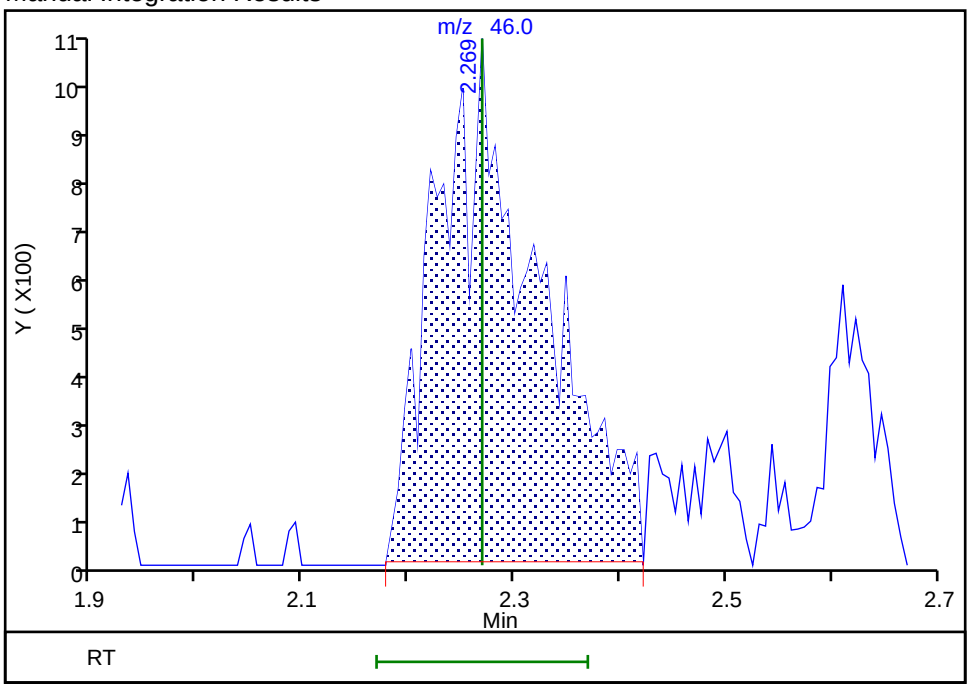
Processing Integration Results

RT: 2.27
Area: 2585
Amount: 239.4230
Amount Units: ug/l



Manual Integration Results

RT: 2.27
Area: 7113
Amount: 661.7249
Amount Units: ug/l



Reviewer: desais, 27-Dec-2019 07:58:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

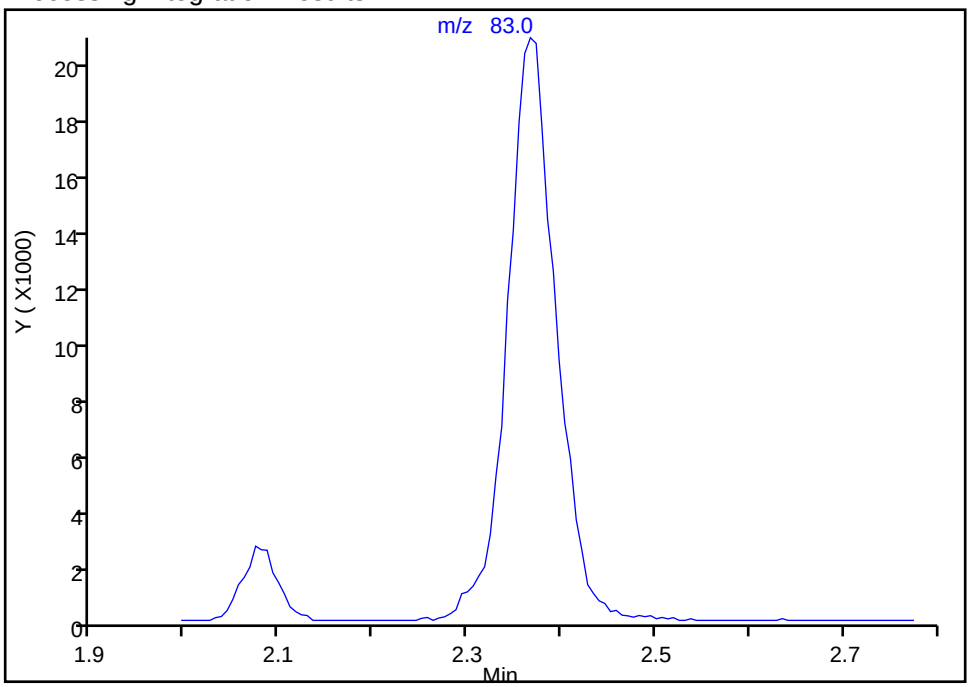
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1288.D
Injection Date: 26-Dec-2019 19:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

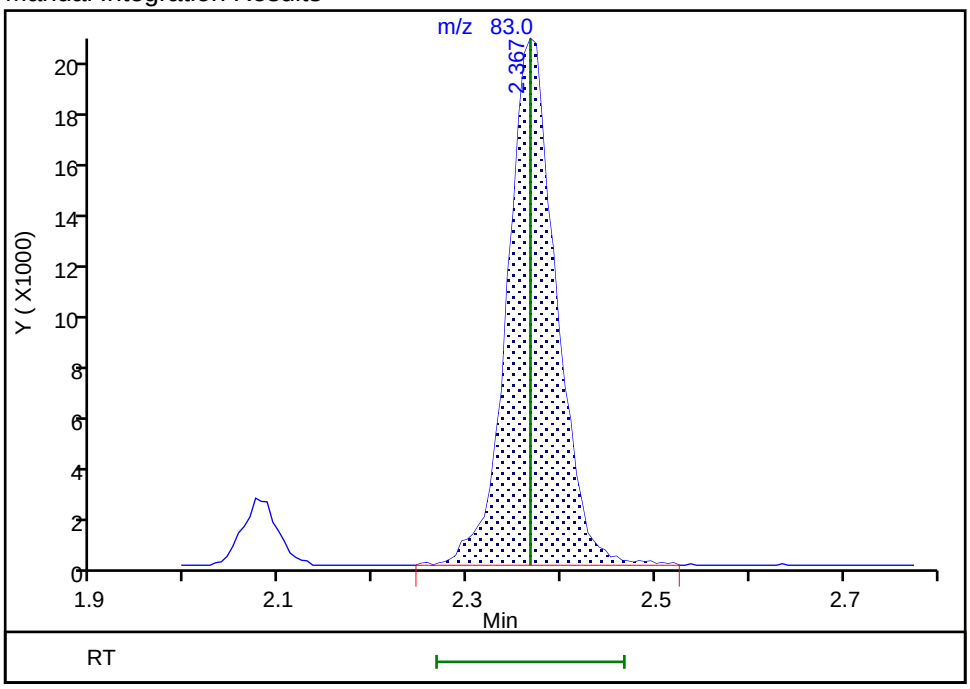
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 73316
Amount: 16.696899
Amount Units: ug/l



Reviewer: parekhv, 26-Dec-2019 19:39:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

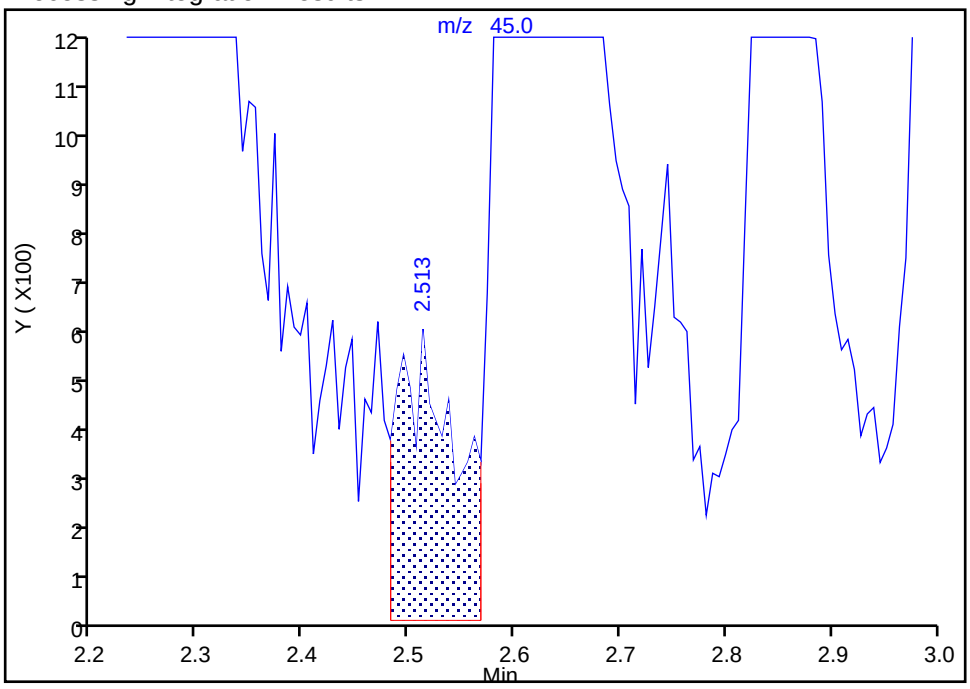
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1288.D
Injection Date: 26-Dec-2019 19:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

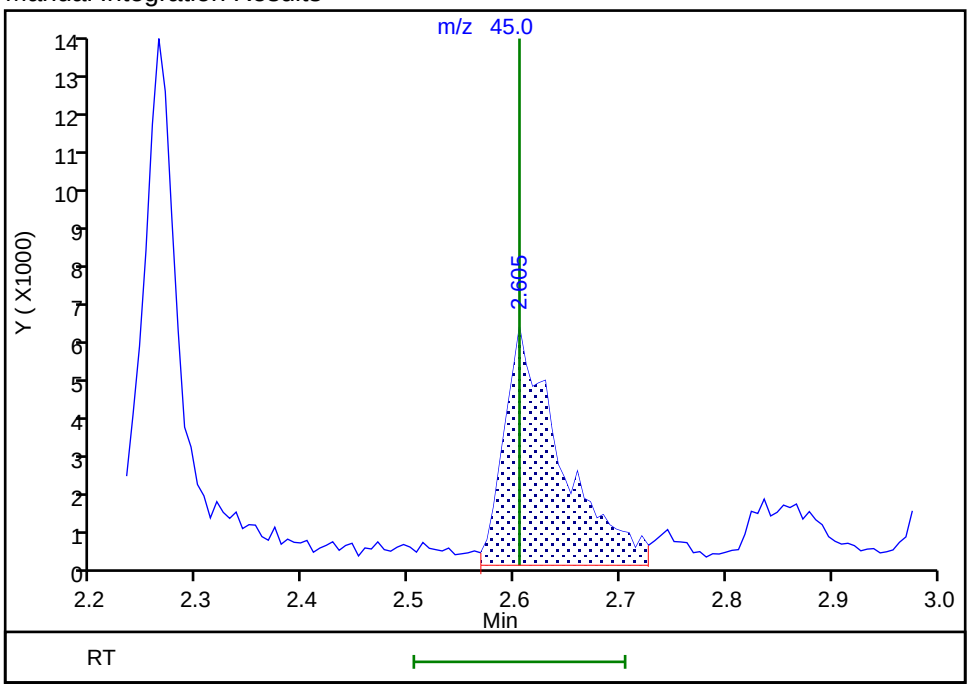
Processing Integration Results

RT: 2.51
Area: 2198
Amount: 17.312421
Amount Units: ug/l



Manual Integration Results

RT: 2.60
Area: 23250
Amount: 183.1273
Amount Units: ug/l



Reviewer: parekhv, 26-Dec-2019 19:39:57
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

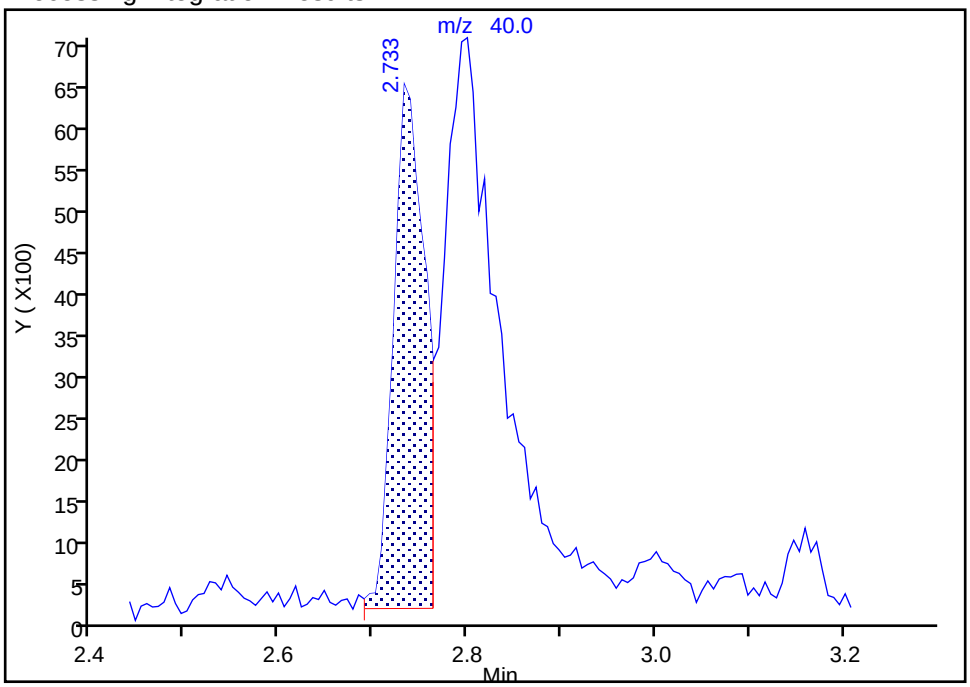
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1288.D
Injection Date: 26-Dec-2019 19:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

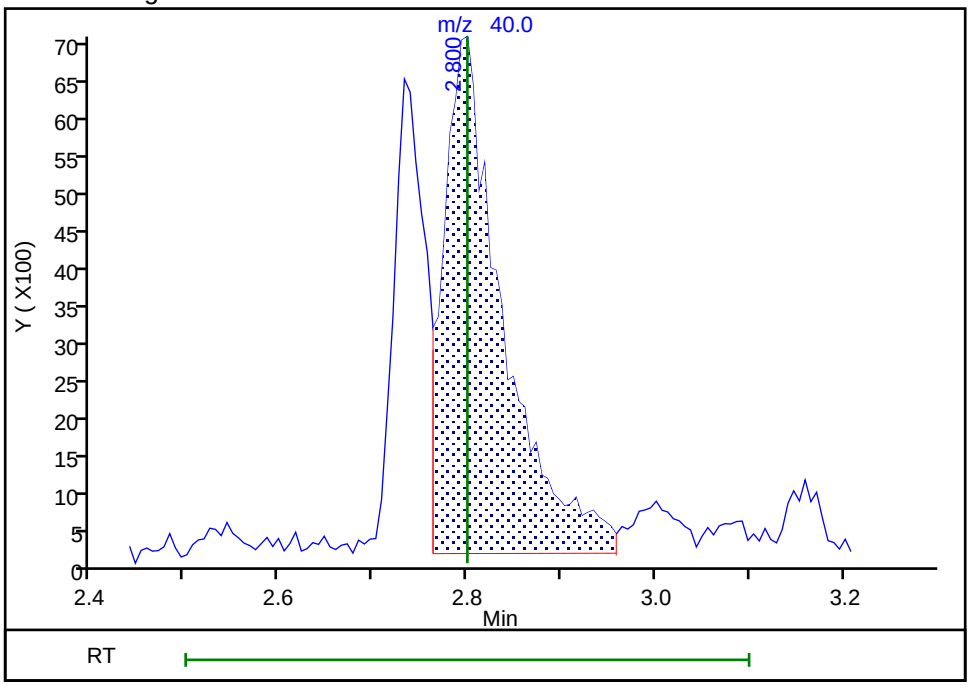
Processing Integration Results

RT: 2.73
Area: 14749
Amount: 106.1186
Amount Units: ug/l



Manual Integration Results

RT: 2.80
Area: 30341
Amount: 218.9986
Amount Units: ug/l



Reviewer: parekhv, 26-Dec-2019 19:40:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

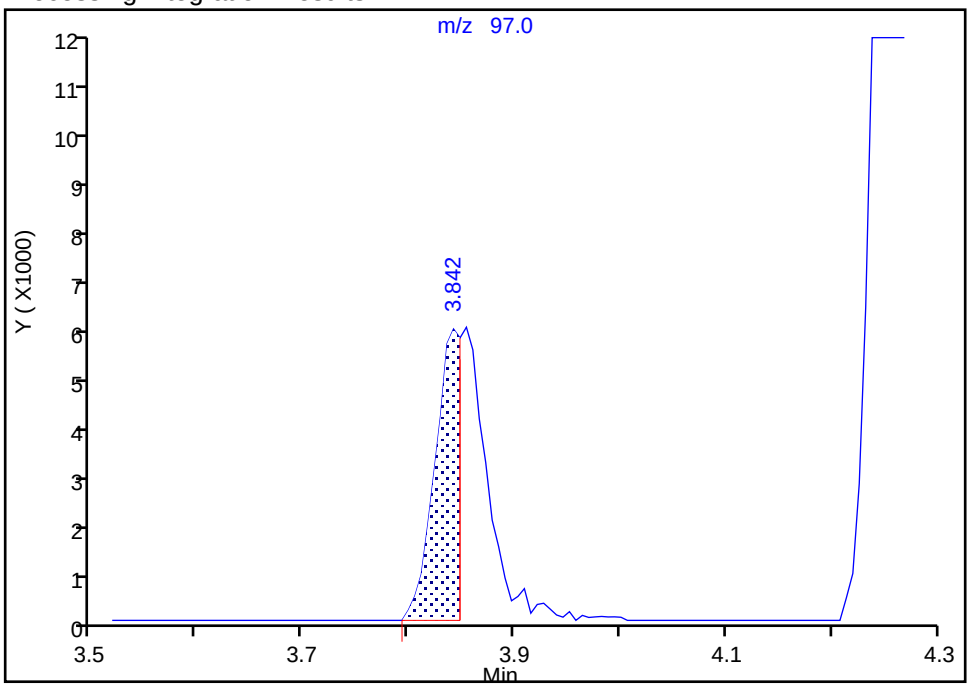
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1288.D
Injection Date: 26-Dec-2019 19:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

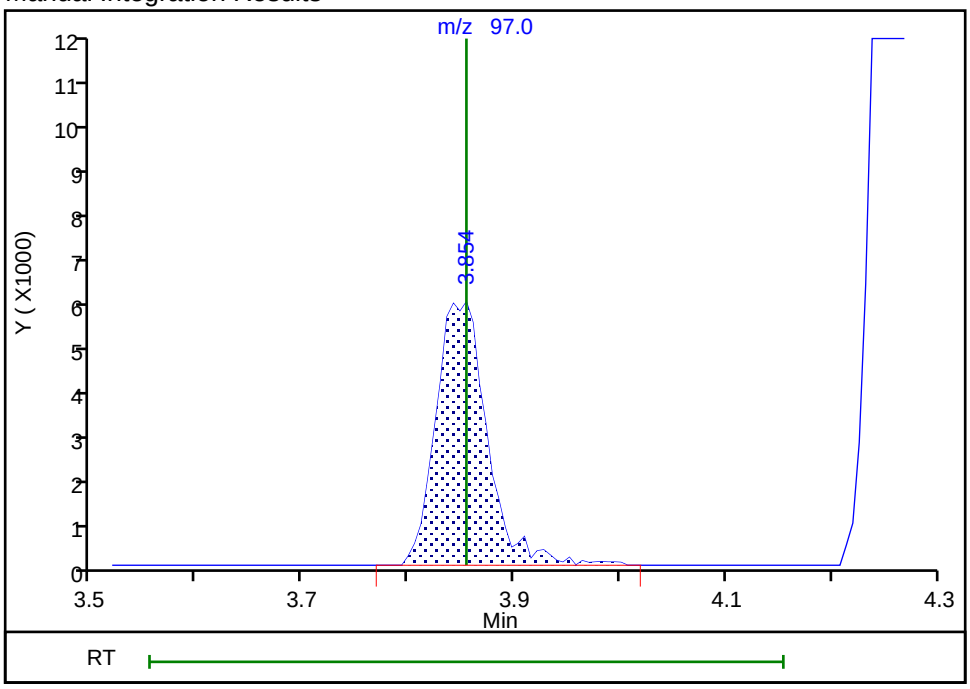
Processing Integration Results

RT: 3.84
Area: 10032
Amount: 9.720628
Amount Units: ug/l



Manual Integration Results

RT: 3.85
Area: 19537
Amount: 18.930612
Amount Units: ug/l



Reviewer: parekhv, 26-Dec-2019 19:40:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665310/3 Calibration Date: 12/27/2019 07:06

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT11320.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1292	0.0968		15.0	20.0	-25.1*	20.0
1,1-Difluoroethane	Ave	0.2773	0.2300		16.6	20.0	-17.0	20.0
Dichlorodifluoromethane	Ave	0.5603	0.4653	0.1000	16.6	20.0	-17.0	20.0
Chlorodifluoromethane	Ave	0.4067	0.3787		18.6	20.0	-6.9	20.0
Chloromethane	Ave	0.3706	0.3333	0.1000	18.0	20.0	-10.1	20.0
Butadiene	Ave	0.3142	0.2817		17.9	20.0	-10.4	20.0
Vinyl chloride	Ave	0.3868	0.3616	0.1000	18.7	20.0	-6.5	20.0
Bromomethane	Ave	3.467	3.671	0.1000	21.2	20.0	5.9	50.0
Chloroethane	Lin2		2.399	0.1000	20.7	20.0	3.7	50.0
Dichlorofluoromethane	Ave	0.6552	0.6857		20.9	20.0	4.7	20.0
Pentane	Ave	0.0535	0.0465		34.7	40.0	-13.1	20.0
Trichlorofluoromethane	Ave	0.5849	0.5915	0.1000	20.2	20.0	1.1	20.0
Ethanol	QuaF		0.2129		512	800	-36.0	50.0
Ethyl ether	Ave	0.1788	0.1750		19.6	20.0	-2.1	20.0
2-Methyl-1,3-butadiene	Ave	0.2433	0.2199		18.1	20.0	-9.6	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3230	0.2775		17.2	20.0	-14.1	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.4935	0.4321		17.5	20.0	-12.5	20.0
Acrolein	Ave	10.11	9.125		36.1	40.0	-9.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3182	0.3207	0.1000	20.2	20.0	0.8	20.0
1,1-Dichloroethene	Ave	0.3221	0.3314	0.1000	20.6	20.0	2.9	20.0
Acetone	Ave	0.8978	0.9043	0.0500	101	100	0.7	50.0
Iodomethane	Ave	0.6441	0.6903		21.4	20.0	7.2	20.0
Isopropyl alcohol	Ave	3.924	3.930		200	200	0.2	50.0
Carbon disulfide	Ave	1.223	1.223	0.1000	20.0	20.0	0.0	50.0
Allyl chloride	Ave	0.1920	0.1903		19.8	20.0	-0.9	20.0
Methyl acetate	Ave	0.1726	0.1545	0.1000	35.8	40.0	-10.5	20.0
Cyclopentene	Ave	0.7088	0.6644		18.7	20.0	-6.3	20.0
Acetonitrile	QuaF		0.2395		237	200	18.5	20.0
Methylene Chloride	Ave	0.3789	0.3701	0.1000	19.5	20.0	-2.3	20.0
2-Methyl-2-propanol	Ave	6.845	6.632		194	200	-3.1	50.0
Methyl tert-butyl ether	Ave	0.8212	0.8265	0.1000	20.1	20.0	0.6	20.0
trans-1,2-Dichloroethene	Ave	0.3408	0.3455	0.1000	20.3	20.0	1.4	20.0
Acrylonitrile	Ave	0.0913	0.0954		209	200	4.5	20.0
Hexane	Ave	0.3472	0.3175		18.3	20.0	-8.6	20.0
Isopropyl ether	Ave	0.7788	0.7543		19.4	20.0	-3.2	20.0
1,1-Dichloroethane	Ave	0.5255	0.5388	0.2000	20.5	20.0	2.5	20.0
Vinyl acetate	Ave	0.6899	0.8071		46.8	40.0	17.0	20.0
2-Chloro-1,3-butadiene	Ave	0.2825	0.2837		20.1	20.0	0.4	20.0
Tert-butyl ethyl ether	Ave	0.8462	0.8301		19.6	20.0	-1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665310/3 Calibration Date: 12/27/2019 07:06

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT11320.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.1160	0.1110		19.1	20.0	-4.3	20.0
cis-1,2-Dichloroethene	Ave	0.3708	0.3681	0.1000	19.9	20.0	-0.7	20.0
2-Butanone (MEK)	Ave	0.3614	0.4048	0.0500	112	100	12.0	50.0
Ethyl acetate	Lin2		0.4200		42.6	40.0	6.6	20.0
Methyl acrylate	Ave	0.2210	0.2038		18.4	20.0	-7.8	20.0
Propionitrile	Ave	8.747	8.945		205	200	2.3	20.0
Chlorobromomethane	Ave	0.1856	0.1919		20.7	20.0	3.3	20.0
Tetrahydrofuran	Ave	0.4398	0.4848		44.1	40.0	10.2	20.0
Methacrylonitrile	Ave	0.1050	0.1110		211	200	5.7	20.0
Chloroform	Ave	0.5449	0.5533	0.2000	20.3	20.0	1.6	20.0
Cyclohexane	Ave	0.4701	0.4492	0.1000	19.1	20.0	-4.4	50.0
1,1,1-Trichloroethane	Ave	0.4992	0.5088	0.1000	20.4	20.0	1.9	20.0
Carbon tetrachloride	Ave	0.4415	0.3945	0.1000	17.9	20.0	-10.6	20.0
1,1-Dichloropropene	Ave	0.3915	0.4036		20.6	20.0	3.1	20.0
Isobutyl alcohol	Ave	4.134	3.777		457	500	-8.7	50.0
2,2,4-Trimethylpentane	Lin2		0.8571		16.6	20.0	-17.1	20.0
Benzene	Ave	1.549	1.572	0.5000	20.3	20.0	1.5	20.0
Isopropyl acetate	Ave	0.1431	0.1367		19.1	20.0	-4.4	20.0
Tert-amyl methyl ether	Ave	0.9227	0.9155		19.8	20.0	-0.8	20.0
1,2-Dichloroethane	Ave	0.3991	0.4036	0.1000	20.2	20.0	1.1	20.0
n-Heptane	Ave	0.0646	0.0733		22.7	20.0	13.4	20.0
n-Butanol	Ave	1.824	1.619		444	500	-11.2	50.0
Trichloroethene	Ave	0.2985	0.3051	0.2000	20.4	20.0	2.2	20.0
Methylcyclohexane	Ave	0.5233	0.4943	0.1000	18.9	20.0	-5.6	50.0
Ethyl acrylate	Ave	0.0412	0.0432		21.0	20.0	4.8	20.0
1,2-Dichloropropane	Ave	0.2592	0.2551	0.1000	19.7	20.0	-1.6	20.0
Methyl methacrylate	Ave	0.0751	0.0753		40.1	40.0	0.1	20.0
1,4-Dioxane	Ave	1.189	1.282		432	400	7.9	50.0
Dibromomethane	Ave	0.1867	0.1929		20.7	20.0	3.3	20.0
n-Propyl acetate	Ave	0.2777	0.2746		19.8	20.0	-1.1	20.0
Dichlorobromomethane	Ave	0.3828	0.3572	0.2000	18.7	20.0	-6.7	20.0
2-Nitropropane	Ave	0.0717	0.0398		22.2	40.0	-44.5*	20.0
2-Chloroethyl vinyl ether	Ave	0.1587	0.1557		19.7	20.0	-1.9	20.0
Epichlorohydrin	Ave	0.3070	0.3168		413	400	3.2	20.0
cis-1,3-Dichloropropene	Ave	0.6090	0.5931	0.2000	19.5	20.0	-2.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.531	2.677	0.0500	106	100	5.8	50.0
Toluene	Ave	1.588	1.590	0.4000	20.0	20.0	0.1	20.0
trans-1,3-Dichloropropene	Ave	0.5742	0.5383	0.1000	18.7	20.0	-6.3	50.0
Ethyl methacrylate	Ave	0.4762	0.4479		18.8	20.0	-5.9	20.0
1,1,2-Trichloroethane	Ave	0.2828	0.2823	0.1000	20.0	20.0	-0.2	20.0
Tetrachloroethene	Ave	0.3975	0.4304	0.2000	21.7	20.0	8.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665310/3 Calibration Date: 12/27/2019 07:06

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT11320.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.5609	0.5442		19.4	20.0	-3.0	20.0
2-Hexanone	Ave	1.618	1.661	0.0500	103	100	2.6	50.0
n-Butyl acetate	Ave	0.4449	0.4038		18.2	20.0	-9.2	20.0
Chlorodibromomethane	Ave	0.3887	0.3382	0.1000	17.4	20.0	-13.0	50.0
Ethylene Dibromide	Ave	0.3481	0.3520	0.1000	20.2	20.0	1.1	20.0
Chlorobenzene	Ave	1.068	1.099	0.5000	20.6	20.0	2.9	20.0
Ethylbenzene	Ave	0.5773	0.6049	0.1000	21.0	20.0	4.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4305	0.3980		18.5	20.0	-7.5	20.0
m-Xylene & p-Xylene	Ave	0.7202	0.7355	0.1000	20.4	20.0	2.1	20.0
o-Xylene	Ave	0.7602	0.7787	0.3000	20.5	20.0	2.4	20.0
n-Butyl acrylate	Ave	0.3131	0.3011		19.2	20.0	-3.9	20.0
Styrene	Ave	1.143	1.166	0.3000	20.4	20.0	2.0	20.0
Bromoform	Ave	0.2529	0.1943	0.1000	15.4	20.0	-23.2*	20.0
Amyl acetate (mixed isomers)	Ave	1.141	0.9897		17.3	20.0	-13.3	20.0
Isopropylbenzene	Ave	1.916	2.018	0.1000	21.1	20.0	5.4	20.0
Bromobenzene	Ave	0.8806	0.9099		20.7	20.0	3.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8326	0.8453	0.3000	20.3	20.0	1.5	20.0
N-Propylbenzene	Ave	4.004	4.206		21.0	20.0	5.0	20.0
1,2,3-Trichloropropane	Ave	0.2544	0.2619		20.6	20.0	2.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2117	0.1584		15.0	20.0	-25.2*	20.0
2-Chlorotoluene	Ave	2.865	2.961		20.7	20.0	3.4	20.0
4-Ethyltoluene	Ave	3.494	3.604		20.6	20.0	3.1	20.0
1,3,5-Trimethylbenzene	Ave	3.043	3.260		21.4	20.0	7.1	20.0
4-Chlorotoluene	Ave	2.799	2.839		20.3	20.0	1.4	20.0
Butyl Methacrylate	Ave	1.103	1.061		19.2	20.0	-3.8	20.0
tert-Butylbenzene	Ave	2.473	2.601		21.0	20.0	5.2	20.0
1,2,4-Trimethylbenzene	Ave	3.191	3.333		20.9	20.0	4.4	20.0
sec-Butylbenzene	Ave	3.731	4.027		21.6	20.0	7.9	20.0
1,3-Dichlorobenzene	Ave	1.664	1.724	0.6000	20.7	20.0	3.6	20.0
4-Isopropyltoluene	Ave	3.281	3.553		21.7	20.0	8.3	20.0
1,4-Dichlorobenzene	Ave	1.633	1.730	0.5000	21.2	20.0	6.0	20.0
1,2,3-Trimethylbenzene	Ave	3.359	3.463		20.6	20.0	3.1	20.0
Benzyl chloride	QuaF		1.564		15.0	20.0	-24.9	50.0
Indan	Ave	3.100	3.208		20.7	20.0	3.5	20.0
p-Diethylbenzene	Ave	1.896	1.975		20.8	20.0	4.2	20.0
n-Butylbenzene	Ave	1.628	1.794		22.0	20.0	10.2	20.0
1,2-Dichlorobenzene	Ave	1.674	1.743	0.4000	20.8	20.0	4.1	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.605	3.654		20.3	20.0	1.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2155	0.1907	0.0500	17.7	20.0	-11.5	50.0
1,3,5-Trichlorobenzene	Ave	1.434	1.547		21.6	20.0	7.9	20.0
1,2,4-Trichlorobenzene	Ave	1.415	1.576	0.2000	22.3	20.0	11.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab Sample ID: CCVIS 460-665310/3 Calibration Date: 12/27/2019 07:06

Instrument ID: CVOAMS17 Calib Start Date: 12/21/2019 10:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/21/2019 13:18

Lab File ID: TT11320.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
Hexachlorobutadiene	Ave	0.5226	0.6257		23.9	20.0	19.7	20.0
Naphthalene	Ave	3.601	3.892		21.6	20.0	8.1	50.0
1,2,3-Trichlorobenzene	Ave	1.395	1.529		21.9	20.0	9.6	20.0
Monochloropentafluoroethane	Ave	0.0217	0.0106		0.550	20.0	-51.4*	20.0
Dibromofluoromethane (Surr)	Ave	0.2668	0.2768		51.9	50.0	3.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2963	0.3038		51.3	50.0	2.5	20.0
Toluene-d8 (Surr)	Ave	1.285	1.273		49.5	50.0	-0.9	20.0
4-Bromofluorobenzene	Ave	0.3968	0.4013		50.6	50.0	1.1	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11320.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Dec-2019 07:06:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0103504-003
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub2

Method: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 11:48:04 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: desais Date: 27-Dec-2019 07:28:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.367	1.367	0.000	68	17055	20.0	15.0	
2 1,1-Difluoroethane	51	1.373	1.373	0.000	93	40510	20.0	16.6	
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	99	81951	20.0	16.6	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	99	66702	20.0	18.6	
6 Chloromethane	50	1.550	1.550	0.000	98	58705	20.0	18.0	
8 Butadiene	54	1.617	1.617	0.000	77	49606	20.0	17.9	
7 Vinyl chloride	62	1.623	1.623	0.000	98	63685	20.0	18.7	
9 Bromomethane	94	1.861	1.861	0.000	98	49469	20.0	21.2	
10 Chloroethane	64	1.922	1.922	0.000	99	32329	20.0	20.7	
11 Dichlorofluoromethane	67	2.080	2.080	0.000	98	120769	20.0	20.9	
12 Trichlorofluoromethane	101	2.093	2.093	0.000	81	104181	20.0	20.2	
13 Pentane	72	2.093	2.093	0.000	95	16384	40.0	34.7	
14 Ethanol	46	2.257	2.257	0.000	72	5884	800.0	511.8	
15 Ethyl ether	74	2.269	2.269	0.000	92	30818	20.0	19.6	
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	94	38729	20.0	18.1	
17 1,2-Dichloro-1,1,2-trifluo	117	2.318	2.318	0.000	85	48870	20.0	17.2	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	96	76097	20.0	17.5	a
19 Acrolein	56	2.416	2.416	0.000	94	12611	40.0	36.1	
20 1,1,2-Trichloro-1,2,2-trif	101	2.440	2.440	0.000	95	56485	20.0	20.2	
21 1,1-Dichloroethene	96	2.458	2.458	0.000	98	58362	20.0	20.6	
22 Acetone	43	2.532	2.532	0.000	88	60932	100.0	100.7	
23 Iodomethane	142	2.593	2.593	0.000	98	121570	20.0	21.4	
25 Isopropyl alcohol	45	2.611	2.611	0.000	33	27156	200.0	200.3	
24 Carbon disulfide	76	2.617	2.617	0.000	99	215441	20.0	20.0	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	88	33518	20.0	19.8	
27 Methyl acetate	43	2.745	2.745	0.000	65	54406	40.0	35.8	
28 Cyclopentene	67	2.751	2.751	0.000	91	117006	20.0	18.7	
29 Acetonitrile	40	2.800	2.800	0.000	97	32279	200.0	236.9	
* 31 TBA-d9 (IS)	66	2.849	2.849	0.000	98	34550	1000.0	1000.0	
30 Methylene Chloride	84	2.849	2.849	0.000	83	65184	20.0	19.5	

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	2.910	2.910	0.000	97	45829	200.0	193.8	
33 Methyl tert-butyl ether	73	3.001	3.001	0.000	95	145559	20.0	20.1	
34 trans-1,2-Dichloroethene	96	3.013	3.013	0.000	91	60844	20.0	20.3	
35 Acrylonitrile	53	3.086	3.086	0.000	95	167997	200.0	209.0	
36 Hexane	57	3.159	3.159	0.000	90	55908	20.0	18.3	
37 Isopropyl ether	45	3.361	3.361	0.000	93	132837	20.0	19.4	
38 1,1-Dichloroethane	63	3.385	3.385	0.000	99	94892	20.0	20.5	
39 Vinyl acetate	86	3.397	3.397	0.000	99	21752	40.0	46.8	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	90	49955	20.0	20.1	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	91	146202	20.0	19.6	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	89	168447	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	82	19549	20.0	19.1	
44 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	99	64826	20.0	19.9	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	97	27277	100.0	112.0	
46 Ethyl acetate	70	3.891	3.891	0.000	97	11320	40.0	42.6	
47 Methyl acrylate	55	3.940	3.940	0.000	99	35888	20.0	18.4	
48 Propionitrile	54	4.007	4.007	0.000	98	61810	200.0	204.5	
49 Chlorobromomethane	128	4.074	4.074	0.000	76	33788	20.0	20.7	
50 Tetrahydrofuran	72	4.080	4.080	0.000	52	13066	40.0	44.1	
51 Methacrylonitrile	67	4.104	4.104	0.000	87	195429	200.0	211.5	
52 Chloroform	83	4.129	4.129	0.000	99	97452	20.0	20.3	
53 Cyclohexane	84	4.245	4.245	0.000	87	79111	20.0	19.1	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	97	89612	20.0	20.4	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	121890	50.0	51.9	
56 Carbon tetrachloride	117	4.373	4.373	0.000	97	69469	20.0	17.9	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	98	71083	20.0	20.6	
58 Isobutyl alcohol	43	4.537	4.537	0.000	92	65239	500.0	456.7	
59 Isooctane	57	4.568	4.568	0.000	97	150943	20.0	16.6	
60 Benzene	78	4.586	4.586	0.000	96	204699	20.0	20.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	133748	50.0	51.3	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	84	161240	20.0	19.8	
63 Isopropyl acetate	61	4.659	4.659	0.000	86	24076	20.0	19.1	
64 1,2-Dichloroethane	62	4.677	4.677	0.000	99	71086	20.0	20.2	
65 n-Heptane	100	4.745	4.745	0.000	87	12913	20.0	22.7	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	440293	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	84	27973	500.0	443.9	
68 Trichloroethene	95	5.202	5.202	0.000	95	53732	20.0	20.4	
69 Methylcyclohexane	83	5.318	5.318	0.000	90	87052	20.0	18.9	
70 Ethyl acrylate	99	5.336	5.336	0.000	98	7600	20.0	21.0	
71 1,2-Dichloropropane	63	5.482	5.482	0.000	89	44923	20.0	19.7	
* 72 1,4-Dioxane-d8	96	5.549	5.549	0.000	86	23089	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	80	26505	40.0	40.1	
75 1,4-Dioxane	88	5.592	5.592	0.000	44	11844	400.0	431.6	
74 Dibromomethane	93	5.598	5.598	0.000	95	33971	20.0	20.7	
76 n-Propyl acetate	43	5.629	5.629	0.000	97	48365	20.0	19.8	
77 Dichlorobromomethane	83	5.750	5.750	0.000	98	62910	20.0	18.7	
78 2-Nitropropane	41	6.080	6.080	0.000	84	14010	40.0	22.2	
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	87	27481	20.0	19.7	
80 Epichlorohydrin	57	6.189	6.189	0.000	98	85371	400.0	412.7	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	77243	20.0	19.5	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	93	180406	100.0	105.8	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	414495	50.0	49.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.549	6.549	0.000	95	207039	20.0	20.0	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	95	70113	20.0	18.7	
86 Ethyl methacrylate	69	6.939	6.939	0.000	85	58342	20.0	18.8	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	36766	20.0	20.0	
88 Tetrachloroethene	166	7.140	7.140	0.000	96	56059	20.0	21.7	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	91	70877	20.0	19.4	
90 2-Hexanone	43	7.390	7.390	0.000	92	111901	100.0	102.6	
91 n-Butyl acetate	43	7.512	7.512	0.000	96	52588	20.0	18.2	
92 Chlorodibromomethane	129	7.531	7.531	0.000	97	44051	20.0	17.4	
93 Ethylene Dibromide	107	7.677	7.677	0.000	99	45849	20.0	20.2	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	85	325614	50.0	50.0	
95 Chlorobenzene	112	8.256	8.256	0.000	96	143101	20.0	20.6	
96 Ethylbenzene	106	8.366	8.366	0.000	98	78780	20.0	21.0	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	93	51833	20.0	18.5	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	95796	20.0	20.4	
99 o-Xylene	106	9.042	9.042	0.000	95	101421	20.0	20.5	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	39210	20.0	19.2	
101 Styrene	104	9.079	9.079	0.000	96	151834	20.0	20.4	
102 Bromoform	173	9.323	9.323	0.000	97	25303	20.0	15.4	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	69403	20.0	17.3	
104 Isopropylbenzene	105	9.488	9.488	0.000	96	262885	20.0	21.1	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	130660	50.0	50.6	
106 Bromobenzene	156	9.859	9.859	0.000	95	63808	20.0	20.7	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	98	59273	20.0	20.3	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	294921	20.0	21.0	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	18363	20.0	20.6	
110 trans-1,4-Dichloro-2-buten	53	10.006	10.006	0.000	88	11109	20.0	15.0	
111 2-Chlorotoluene	91	10.067	10.067	0.000	96	207634	20.0	20.7	
112 4-Ethyltoluene	105	10.091	10.091	0.000	98	252695	20.0	20.6	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	228612	20.0	21.4	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	199072	20.0	20.3	
115 Butyl Methacrylate	87	10.298	10.298	0.000	86	74431	20.0	19.2	
116 tert-Butylbenzene	119	10.481	10.481	0.000	95	182389	20.0	21.0	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	233697	20.0	20.9	
118 sec-Butylbenzene	105	10.695	10.695	0.000	99	282417	20.0	21.6	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	95	120916	20.0	20.7	
120 4-Isopropyltoluene	119	10.847	10.847	0.000	97	249187	20.0	21.7	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	175312	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	94	121335	20.0	21.2	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	242874	20.0	20.6	
124 Benzyl chloride	91	11.066	11.066	0.000	99	109703	20.0	15.0	
125 2,3-Dihydroindene	117	11.127	11.127	0.000	95	224948	20.0	20.7	
126 p-Diethylbenzene	119	11.201	11.201	0.000	94	138473	20.0	20.8	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	125812	20.0	22.0	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	96	122249	20.0	20.8	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	256221	20.0	20.3	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	96	13369	20.0	17.7	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	97	108478	20.0	21.6	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	110540	20.0	22.3	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	95	43877	20.0	23.9	
134 Naphthalene	128	12.767	12.767	0.000	99	272896	20.0	21.6	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	96	107222	20.0	21.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.1	
S 137 Xylenes, Total	100				0		40.0	40.9	
S 139 1,3-Dichloropropene, Total	1				0		40.0	38.2	
S 140 Total BTEX	1				0		100.0	102.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 28-Dec-2019 11:48:09 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11320.D

Injection Date: 27-Dec-2019 07:06:30 Instrument ID: CVOAMS17

Lims ID: CCVIS

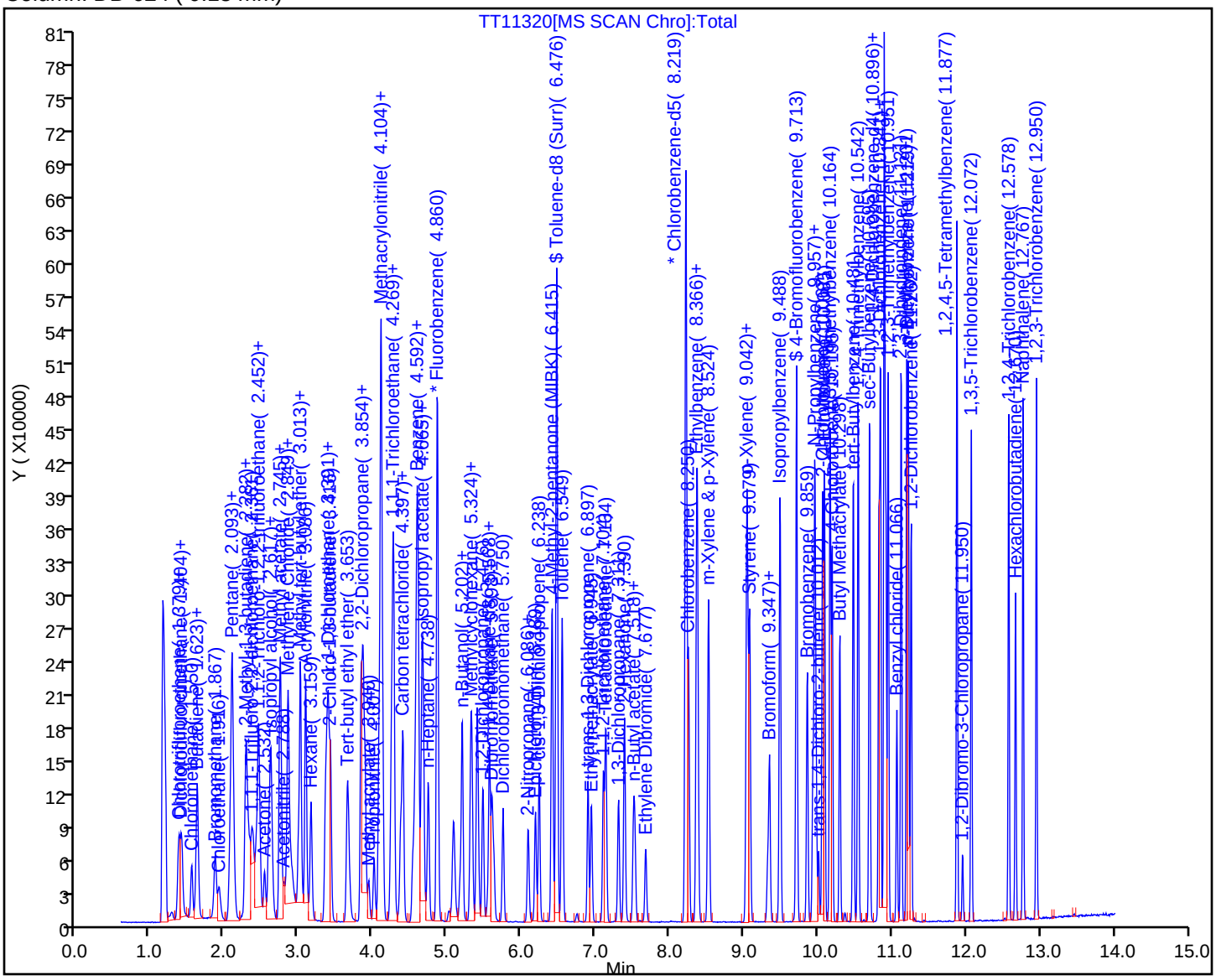
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

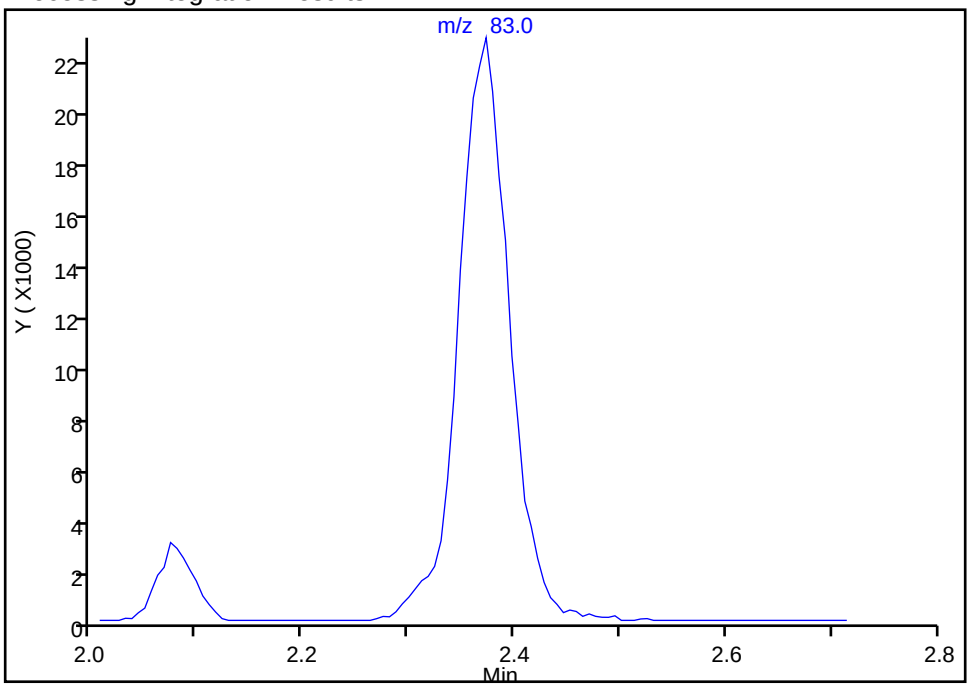
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11320.D
Injection Date: 27-Dec-2019 07:06:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

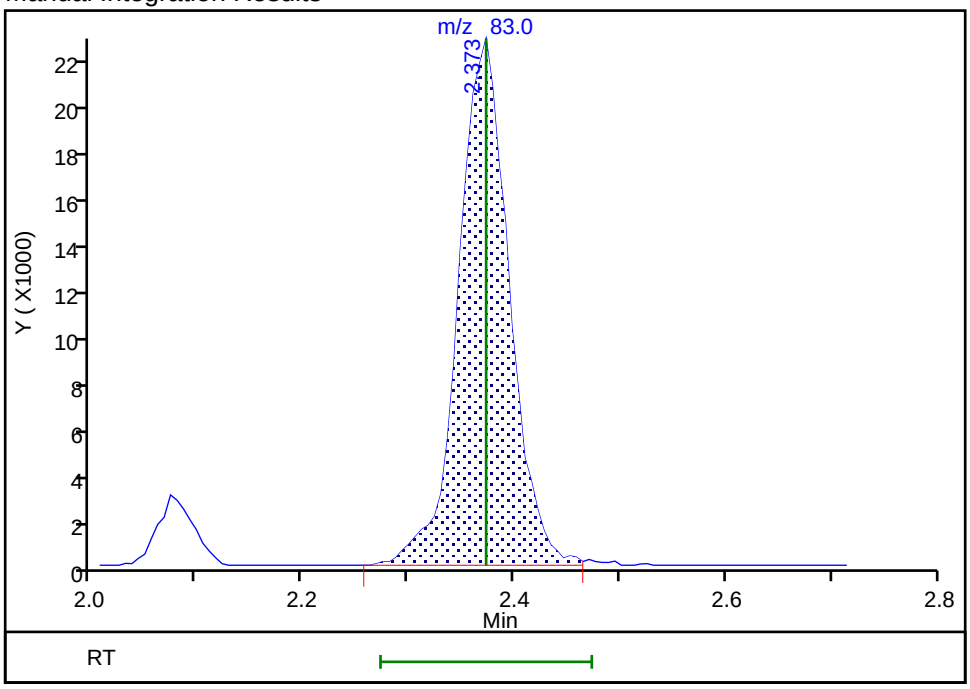
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 76097
Amount: 17.509450
Amount Units: ug/l



Reviewer: desais, 27-Dec-2019 07:25:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0988.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Dec-2019 10:31:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0103229-001
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Dec-2019 14:28:12 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0323

First Level Reviewer: desais Date: 21-Dec-2019 12:03:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 141 BFB	95	2.989	2.989	0.000	84	133903	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

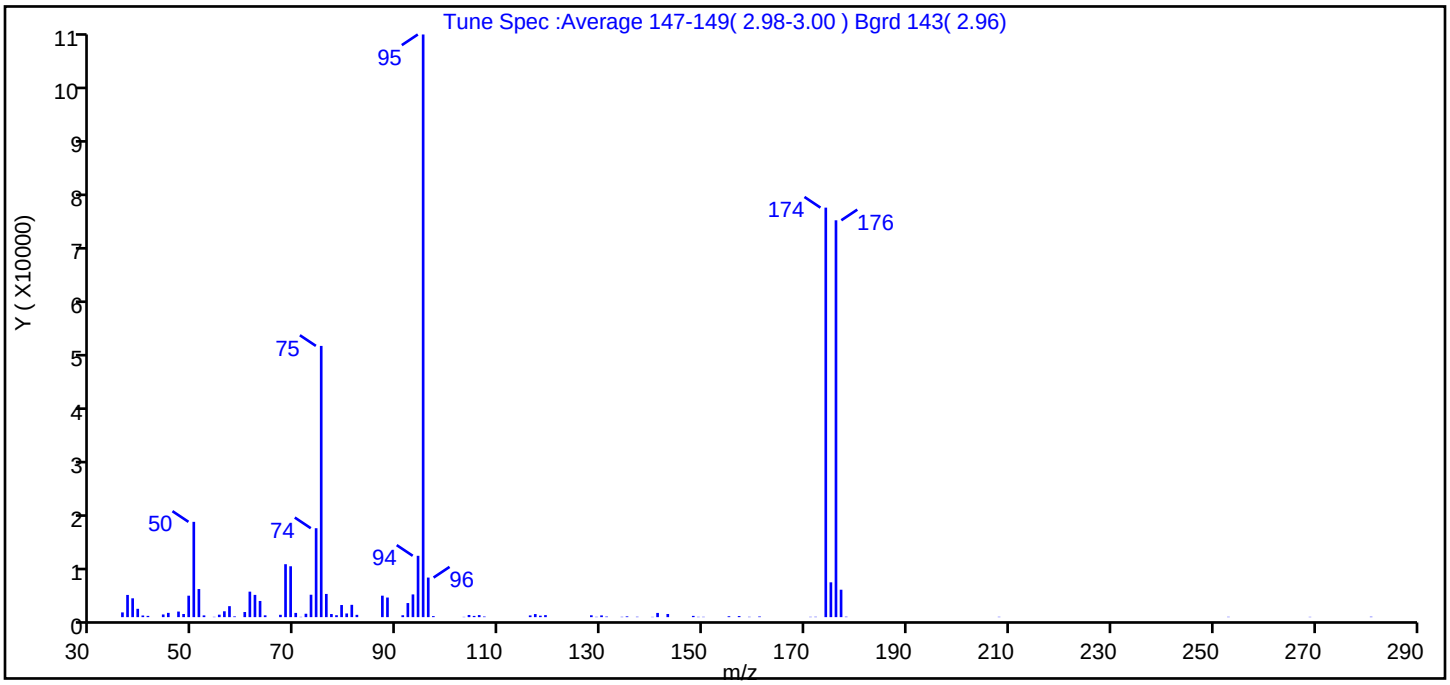
BFB_00024 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0988.D
Injection Date: 21-Dec-2019 10:31:30 Instrument ID: CVOAMS17
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 141 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.4
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	70.3
175	5 to 9% of m/z 174	6.0 (8.5)
176	Greater than 95% but less than 101% of m/z 174	68.1 (96.9)
177	5 to 9% of m/z 176	4.7 (6.9)

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0988.D\8260W_17.rslt\spectra.d
Injection Date: 21-Dec-2019 10:31:30
Spectrum: Tune Spec :Average 147-149(2.98-3.00) Bgrd 143(2.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	873	63.00	2976	93.00	4182	141.00	774
37.00	4084	64.00	333	94.00	11284	143.00	581
38.00	3465	67.00	429	95.00	107168	148.00	231
39.00	1533	68.00	9737	96.00	7279	149.00	57
40.00	303	69.00	9358	97.00	186	150.00	59
41.00	234	70.00	780	103.00	50	155.00	163
44.00	494	71.00	52	104.00	398	157.00	199
45.00	784	72.00	627	105.00	227	159.00	64
47.00	1027	73.00	4122	106.00	381	161.00	119
48.00	578	74.00	16357	107.00	111	171.00	58
49.00	3947	75.00	49888	116.00	314	172.00	67
50.00	17528	76.00	4268	117.00	567	174.00	75320
51.00	5172	77.00	572	118.00	269	175.00	6404
52.00	321	78.00	355	119.00	371	176.00	72992
54.00	56	79.00	2229	128.00	342	177.00	5046
55.00	451	80.00	676	129.00	59	178.00	80
56.00	1078	81.00	2265	130.00	320	208.00	59
57.00	2022	82.00	425	131.00	103	253.00	58
58.00	138	87.00	3948	134.00	62	269.00	50
60.00	945	88.00	3606	135.00	145	281.00	74
61.00	4689	91.00	347	137.00	72		
62.00	4093	92.00	2593	140.00	50		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1285.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Dec-2019 17:58:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0103476-001
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 08:10:38 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: desais Date: 27-Dec-2019 07:57:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 141 BFB	95	2.989	2.989	0.000	88	75047	NR	NR	a

QC Flag Legend

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

Reagents:

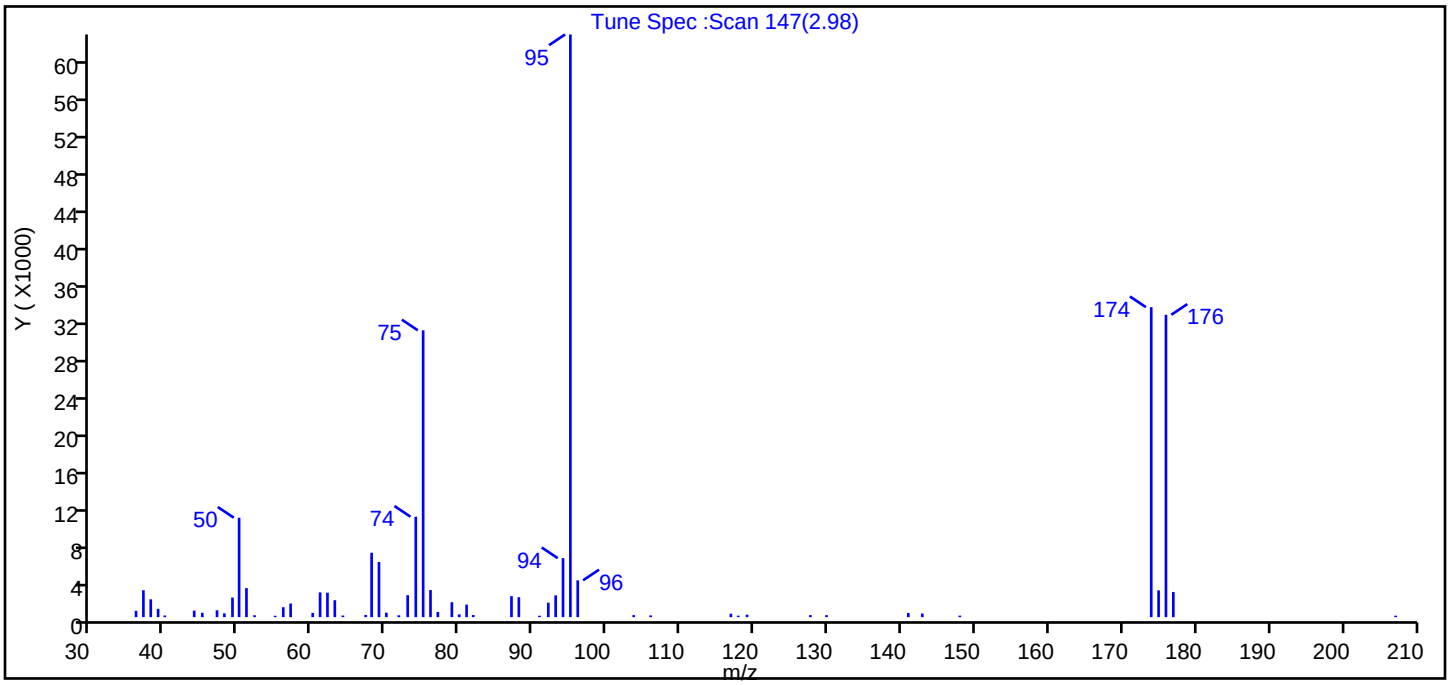
BFB_00024 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1285.D
Injection Date: 26-Dec-2019 17:58:30 Instrument ID: CVOAMS17
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 141 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.1
75	30 to 60% of m/z 95	49.2
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	53.2
175	5 to 9% of m/z 174	4.6 (8.6)
176	Greater than 95% but less than 101% of m/z 174	51.9 (97.5)
177	5 to 9% of m/z 176	4.3 (8.3)

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1285.D\8260W_17.rslt\spectra.d
Injection Date: 26-Dec-2019 17:58:30
Spectrum: Tune Spec :Scan 147(2.98)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	677	57.00	1470	77.00	561	116.80	368
37.00	2905	60.00	463	78.90	1611	117.80	162
38.00	1927	61.00	2669	79.90	294	119.00	266
39.00	898	62.00	2633	80.90	1352	127.60	219
39.90	181	63.00	1826	81.80	230	129.80	215
43.90	706	64.10	174	87.00	2268	140.90	451
45.00	467	67.20	238	88.00	2149	142.80	390
47.00	744	68.00	6953	90.80	157	147.90	167
48.00	405	69.00	5952	92.00	1561	173.90	33472
49.10	2113	70.00	481	93.00	2350	174.90	2894
50.00	10738	71.70	202	94.00	6370	175.90	32648
51.00	3135	72.90	2372	95.00	62912	176.90	2708
52.10	205	74.00	10844	96.00	3976	207.10	161
54.90	151	75.00	30968	103.60	218		
56.00	1072	76.00	2927	105.90	189		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11318.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Dec-2019 06:24:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0103504-001
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 09:15:25 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: desais Date: 27-Dec-2019 06:32:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 141 BFB	95	2.989	2.989	0.000	83	96939	NR	NR	a

QC Flag Legend

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

Reagents:

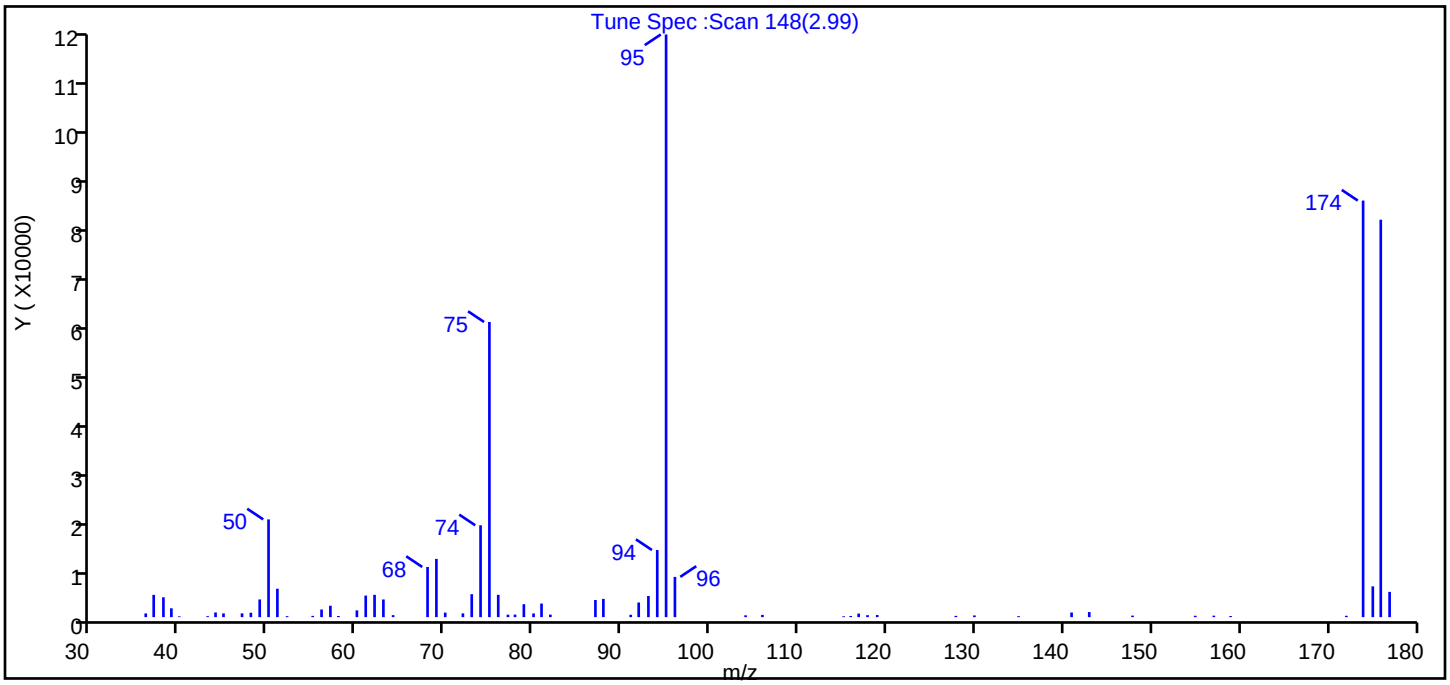
BFB_00024 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11318.D
Injection Date: 27-Dec-2019 06:24:30 Instrument ID: CVOAMS17
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 141 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.8
75	30 to 60% of m/z 95	50.7
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	71.5
175	5 to 9% of m/z 174	5.3 (7.4)
176	Greater than 95% but less than 101% of m/z 174	68.2 (95.4)
177	5 to 9% of m/z 176	4.3 (6.4)

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11318.D\8260W_17.rslt\spectra.d
Injection Date: 27-Dec-2019 06:24:30
Spectrum: Tune Spec :Scan 148(2.99)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	723	57.90	228	80.00	722	118.90	415
37.00	4345	60.00	1323	80.90	2652	127.80	252
38.10	3872	61.00	4204	81.90	490	129.90	333
39.00	1724	62.00	4350	87.00	3337	134.90	194
39.90	151	63.00	3448	87.90	3560	140.90	906
43.10	185	64.10	392	91.00	463	142.90	991
44.00	912	68.00	9783	91.90	2856	147.80	302
44.90	732	69.00	11360	93.00	4121	154.90	270
47.00	744	70.00	884	94.00	13087	157.00	288
48.00	860	72.00	736	95.00	113600	158.90	214
49.00	3452	73.00	4481	96.00	7851	172.00	269
50.00	19056	74.00	17912	104.00	356	173.90	81216
51.00	5542	75.00	57544	105.90	439	175.00	6005
52.10	198	76.00	4351	115.10	169	175.90	77488
55.00	251	77.10	475	115.90	225	176.90	4926
56.00	1489	77.90	495	116.80	692		
57.00	2220	78.90	2525	117.80	386		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665200/9

Matrix: Water Lab File ID: TT1293.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 21:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665200/9

Matrix: Water Lab File ID: TT1293.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 21:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	104		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	100		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665200/9

Matrix: Water Lab File ID: TT1293.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 21:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1293.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Dec-2019 21:10:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0103476-009
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 08:09:15 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: parekhv Date: 26-Dec-2019 21:42:14

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	2.855	2.842	0.013	100	33875	1000.0	1000.0	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	97	178494	250.0	250.0	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.269	0.006	97	134187	50.0	52.1	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	145460	50.0	50.9	
* 66 Fluorobenzene	96	4.867	4.860	0.007	99	482698	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.537	5.543	-0.006	89	24198	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	443416	50.0	50.1	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	85	344383	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	142106	50.0	52.0	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	198253	50.0	50.0	

Reagents:

VOA6IS/SURR_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 27-Dec-2019 08:09:52 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1293.D

Injection Date: 26-Dec-2019 21:10:30 Instrument ID: CVOAMS17

Lims ID: MB

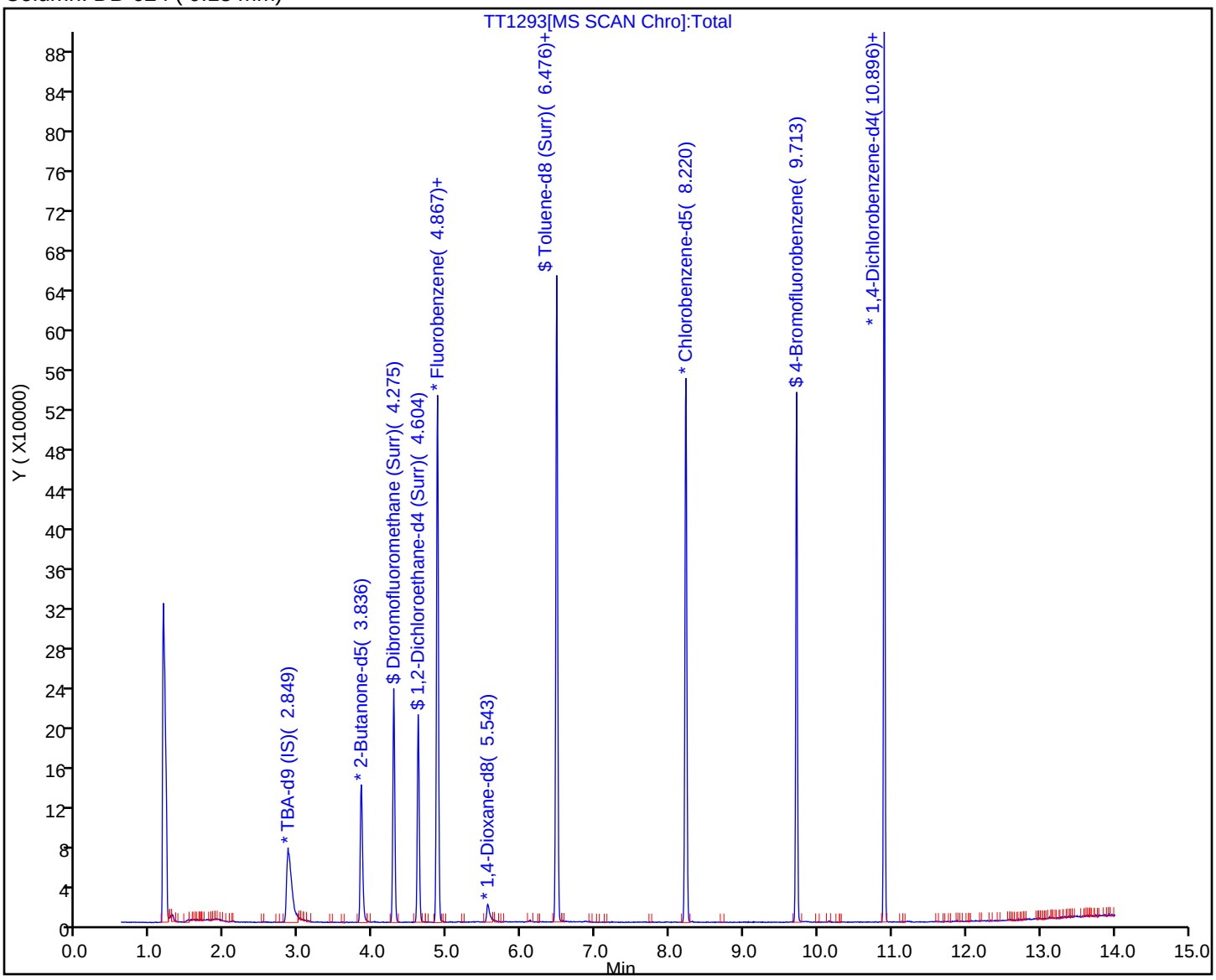
Client ID:

Operator ID: ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



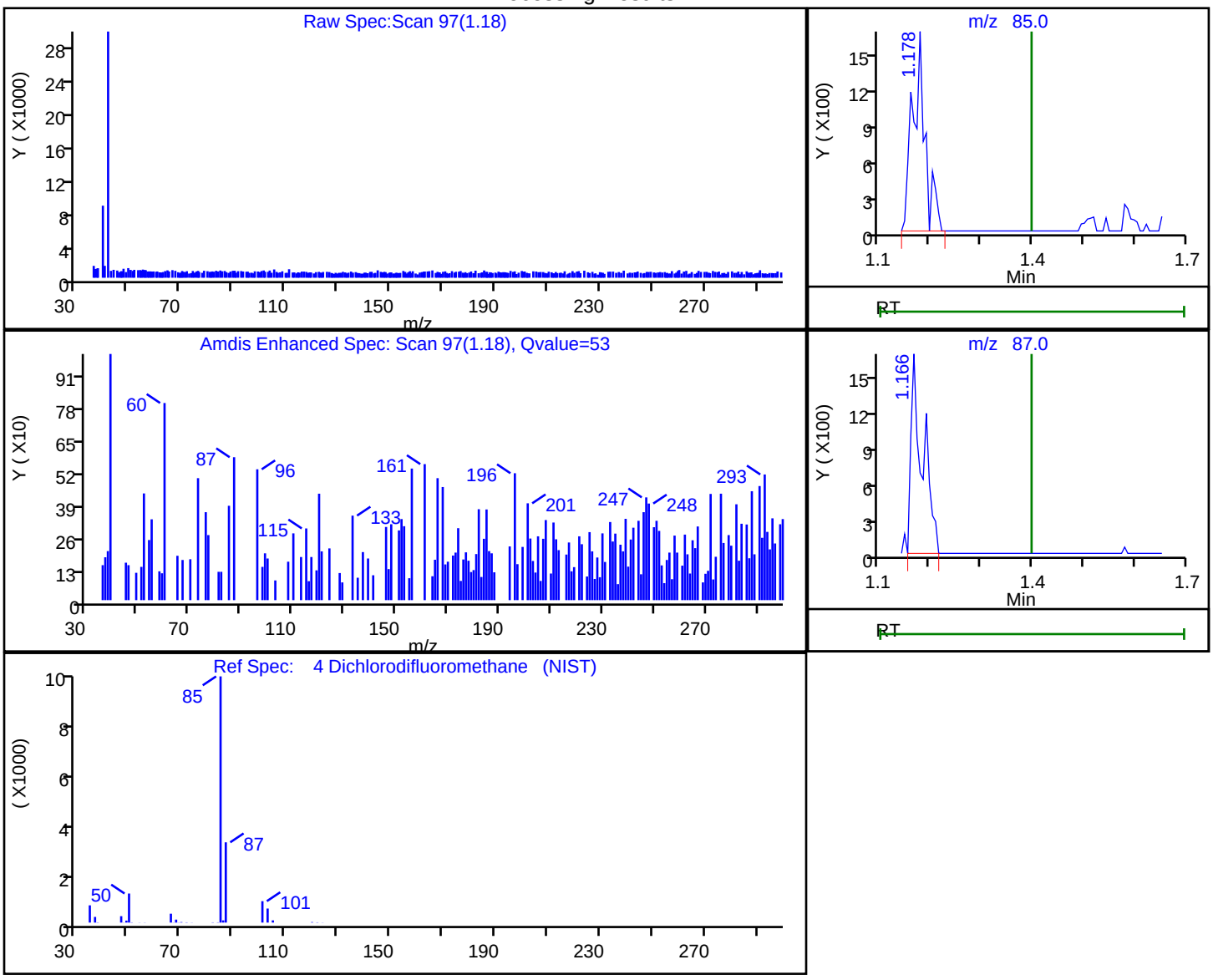
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1293.D
Injection Date: 26-Dec-2019 21:10:30 Instrument ID: CVOAMS17
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.18	85.00	2817	0.520784
1.17	87.00	2625	

Reviewer: parekhv, 26-Dec-2019 21:42:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665310/8

Matrix: Water Lab File ID: TT11325.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 08:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	5.22		5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
74-97-5	Chlorobromomethane	0.41	U	1.0	0.41
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665310/8

Matrix: Water Lab File ID: TT11325.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 08:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.30	U	1.0	0.30
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	102		77-124
1868-53-7	Dibromofluoromethane (Surr)	105		72-131
2037-26-5	Toluene-d8 (Surr)	98		80-120

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-665310/8

Matrix: Water Lab File ID: TT11325.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 08:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11325.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Dec-2019 08:50:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0103504-008
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 09:15:25 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: desais Date: 27-Dec-2019 09:13:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
22 Acetone	43	2.538	2.532	0.006	63	3020		5.22	
* 31 TBA-d9 (IS)	66	2.849	2.849	0.000	100	31654	1000.0	1000.0	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	97	161086	250.0	250.0	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	96	124727	50.0	52.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	95	134878	50.0	51.1	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	445671	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.543	5.549	-0.006	86	21857	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	416218	50.0	49.0	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	84	330828	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	133994	50.0	51.0	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	185257	50.0	50.0	

Reagents:

VOA6IS/SURR_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 27-Dec-2019 09:15:30 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11325.D

Injection Date: 27-Dec-2019 08:50:30 Instrument ID: CVOAMS17

Lims ID: MB

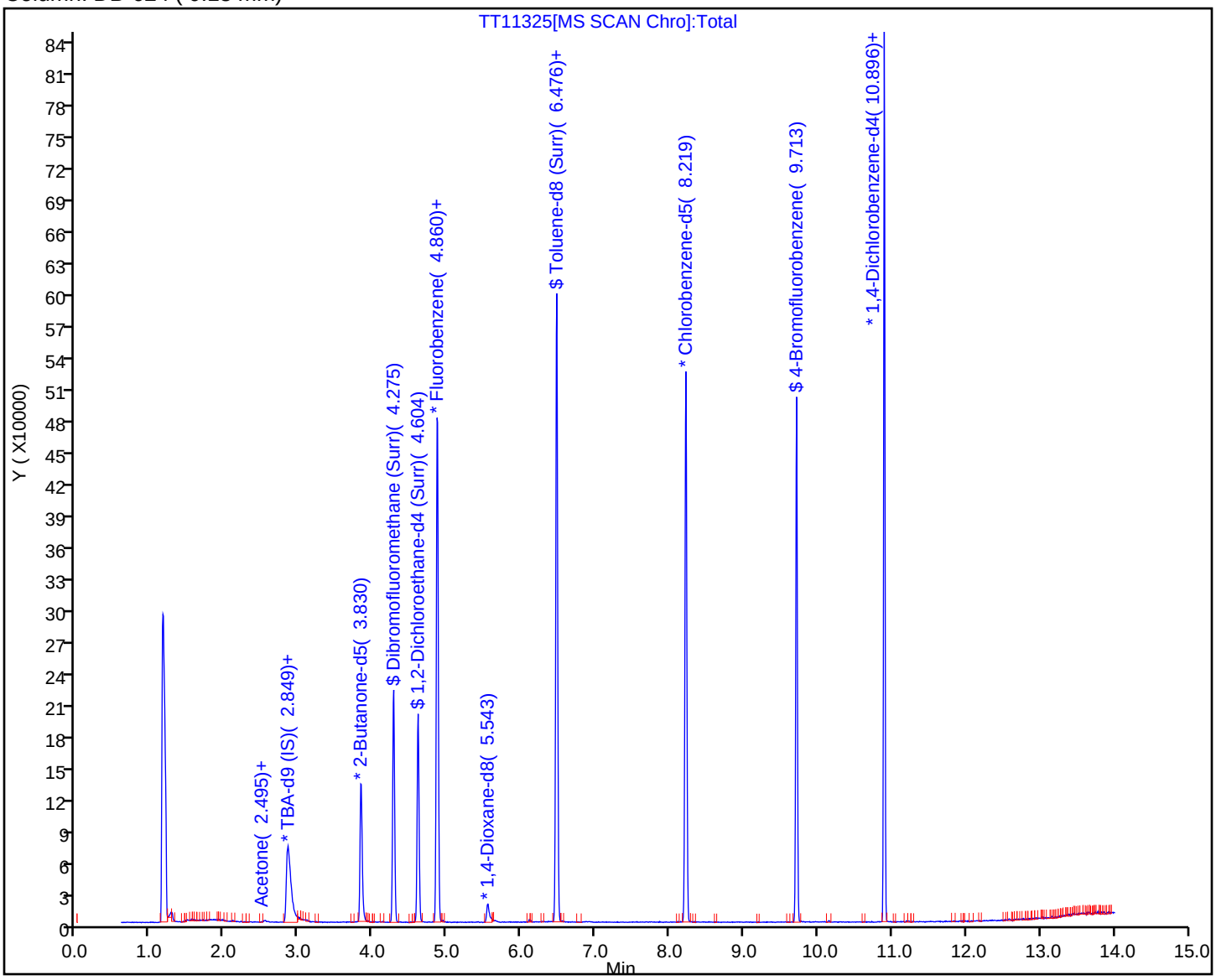
Client ID:

Operator ID: ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

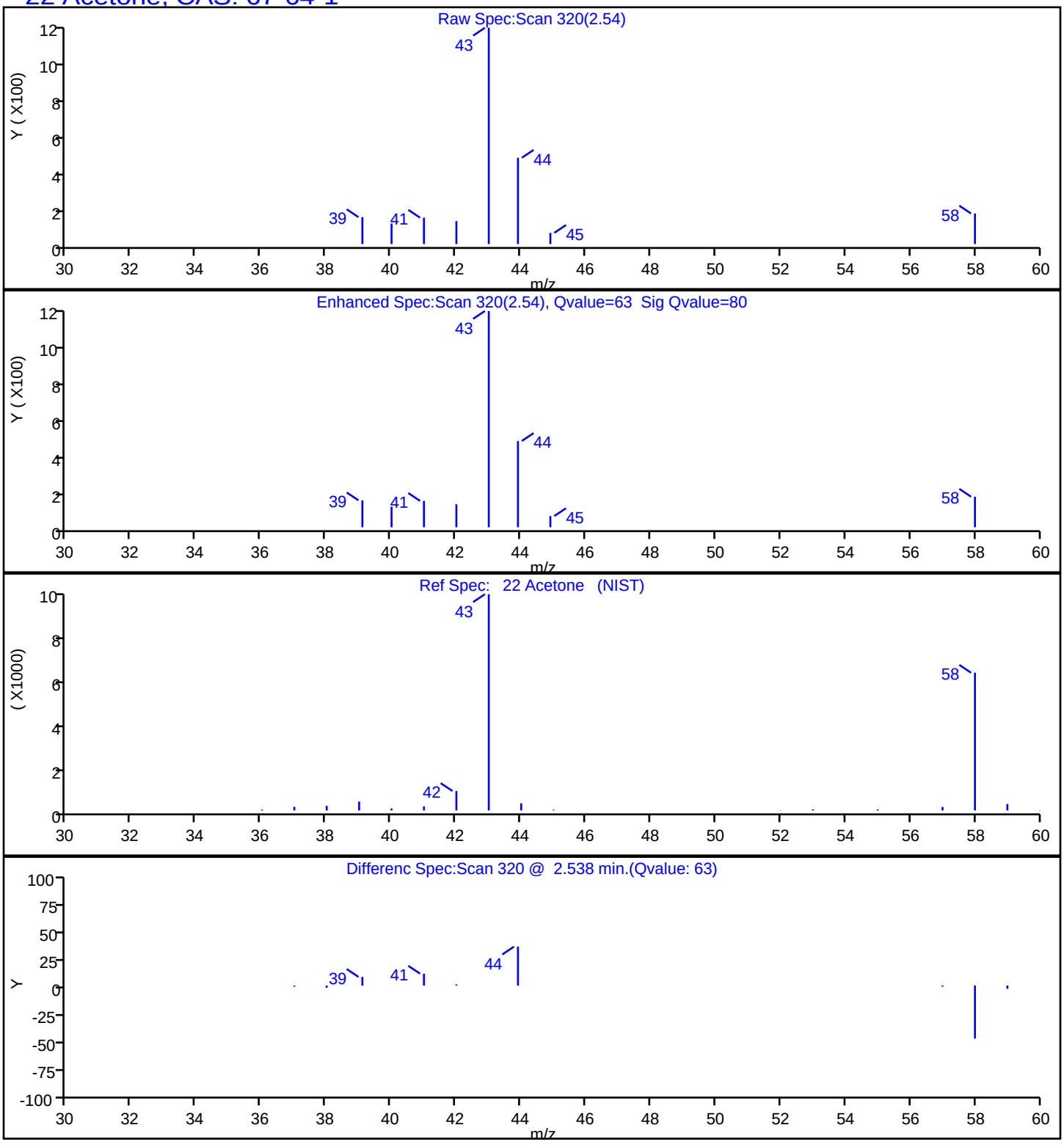
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11325.D
Injection Date: 27-Dec-2019 08:50:30 Instrument ID: CVOAMS17
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

22 Acetone, CAS: 67-64-1



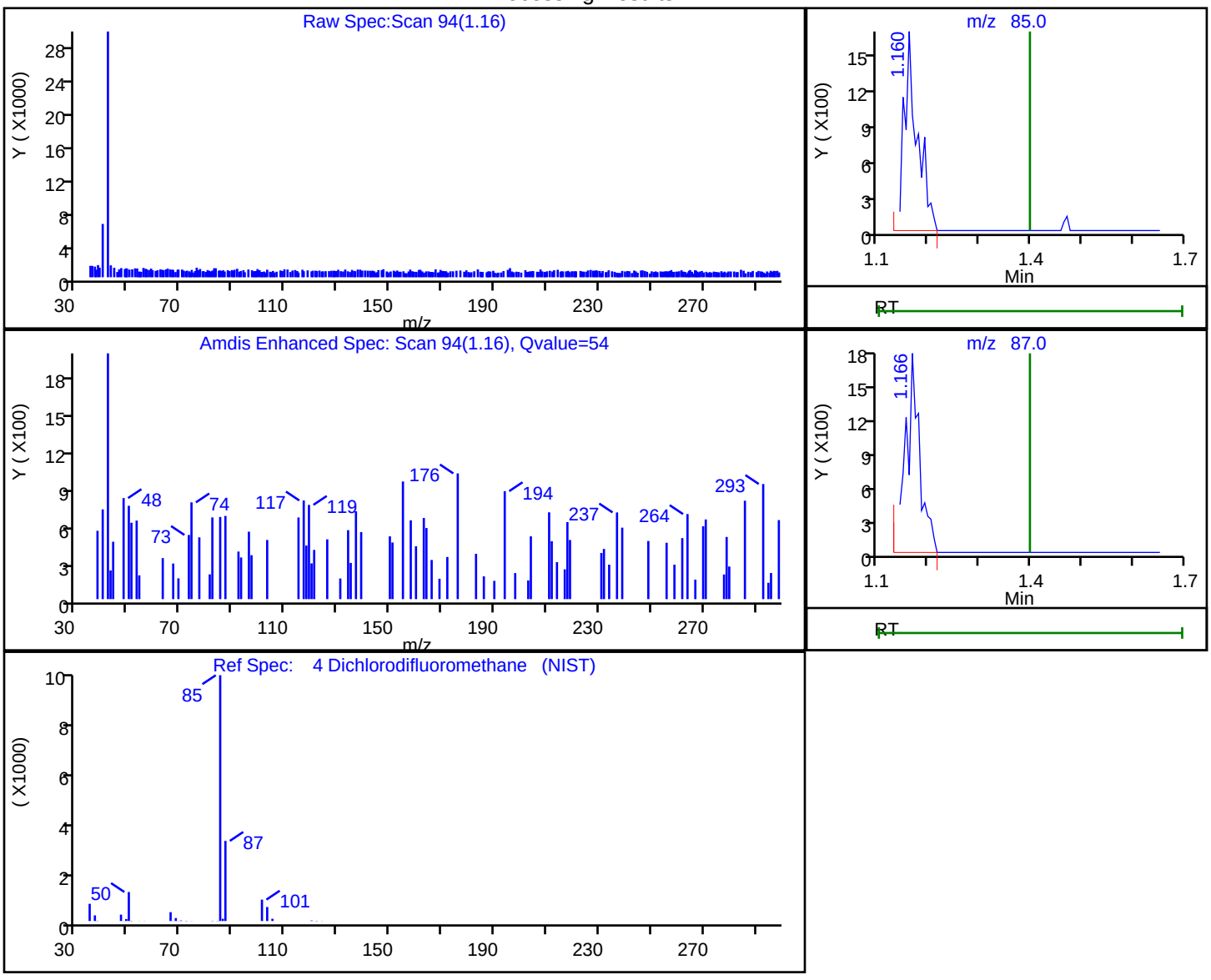
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11325.D
Injection Date: 27-Dec-2019 08:50:30 Instrument ID: CVOAMS17
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.16	85.00	2858	0.572261
1.17	87.00	3228	

Reviewer: desais, 27-Dec-2019 09:11:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

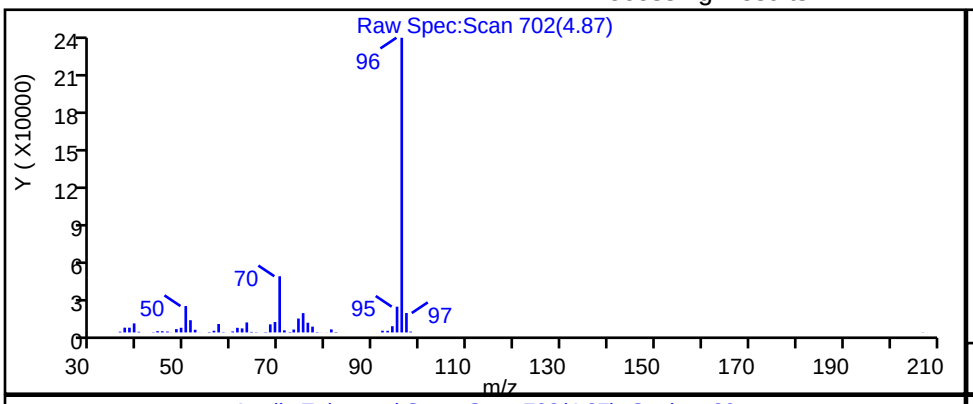
User Disabled Compound Report

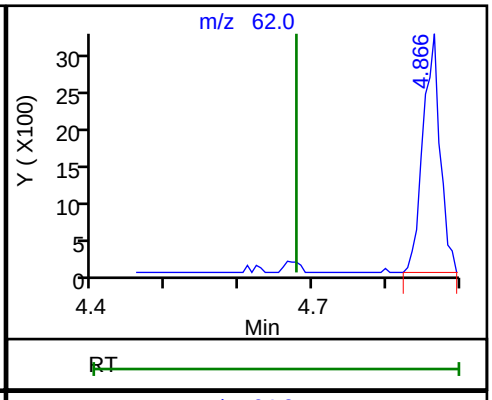
Eurofins TestAmerica, Edison

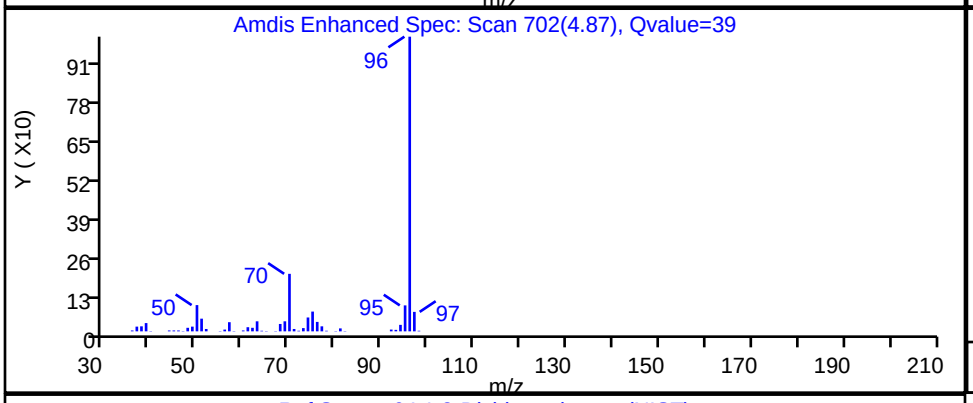
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11325.D		
Injection Date:	27-Dec-2019 08:50:30	Instrument ID:	CVOAMS17
Lims ID:	MB		
Client ID:			
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

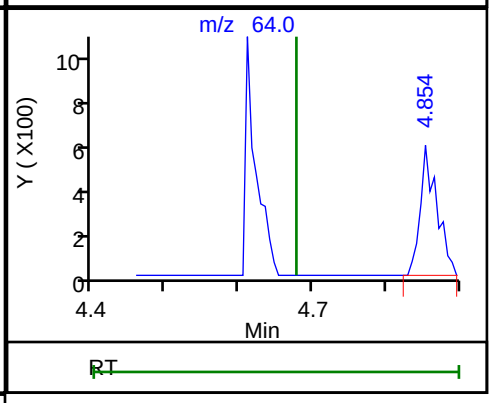
64 1,2-Dichloroethane, CAS: 107-06-2

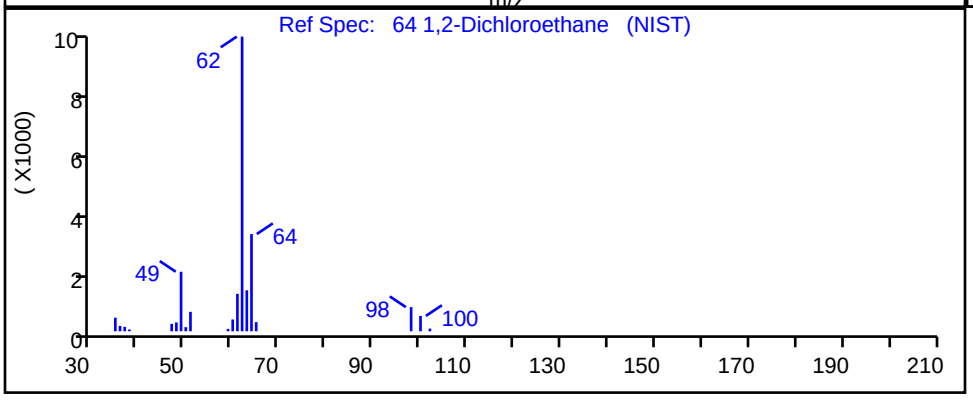
Processing Results











RT	Mass	Response	Amount
4.87	62.00	5285	1.485499
4.85	64.00	934	

Reviewer: desais, 27-Dec-2019 09:11:58

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665200/5

Matrix: Water Lab File ID: TT1289.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.0		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	18.3		1.0	0.43
75-34-3	1,1-Dichloroethane	19.3		1.0	0.26
75-35-4	1,1-Dichloroethene	19.2		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	21.2		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	21.2		1.0	0.37
78-87-5	1,2-Dichloropropane	18.9		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.1		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.5		1.0	0.33
123-91-1	1,4-Dioxane	396		50	28
78-93-3	2-Butanone (MEK)	103		5.0	1.9
591-78-6	2-Hexanone	93.3		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	101		5.0	1.3
67-64-1	Acetone	98.3		5.0	4.4
71-43-2	Benzene	19.6		1.0	0.20
75-25-2	Bromoform	14.5		1.0	0.54
74-83-9	Bromomethane	22.0		1.0	0.55
75-15-0	Carbon disulfide	19.5		1.0	0.82
56-23-5	Carbon tetrachloride	17.6		1.0	0.21
108-90-7	Chlorobenzene	19.6		1.0	0.38
74-97-5	Chlorobromomethane	20.4		1.0	0.41
124-48-1	Chlorodibromomethane	16.8		1.0	0.28
75-00-3	Chloroethane	22.1		1.0	0.32
67-66-3	Chloroform	19.9		1.0	0.33
74-87-3	Chloromethane	18.2		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	19.3		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	19.7		1.0	0.22
110-82-7	Cyclohexane	20.8		1.0	0.32
75-27-4	Dichlorobromomethane	18.6		1.0	0.34
75-71-8	Dichlorodifluoromethane	19.7		1.0	0.31
100-41-4	Ethylbenzene	20.1		1.0	0.30
106-93-4	Ethylene Dibromide	19.2		1.0	0.50
98-82-8	Isopropylbenzene	20.2		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665200/5

Matrix: Water Lab File ID: TT1289.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	35.3		5.0	0.79
1634-04-4	Methyl tert-butyl ether	19.7		1.0	0.47
108-87-2	Methylcyclohexane	20.2		1.0	0.26
75-09-2	Methylene Chloride	18.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	20.3		1.0	0.30
95-47-6	o-Xylene	19.5		1.0	0.36
100-42-5	Styrene	19.9		1.0	0.42
127-18-4	Tetrachloroethene	20.1		1.0	0.25
108-88-3	Toluene	19.4		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.7		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.0		1.0	0.49
79-01-6	Trichloroethene	20.4		1.0	0.31
75-69-4	Trichlorofluoromethane	21.2		1.0	0.32
75-01-4	Vinyl chloride	18.4		1.0	0.17
107-06-2	1,2-Dichloroethane	20.1		1.0	0.43
95-50-1	1,2-Dichlorobenzene	20.5		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		74-132
460-00-4	4-Bromofluorobenzene	101		77-124
1868-53-7	Dibromofluoromethane (Surr)	105		72-131
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1289.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Dec-2019 19:42:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0103476-005
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 08:58:07 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: parekhv Date: 26-Dec-2019 20:41:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.282	1.288	-0.006	68	2105	20.0	11.0	
3 Chlorotrifluoroethene	116	1.367	1.367	0.000	76	20085	20.0	17.7	
2 1,1-Difluoroethane	51	1.367	1.373	-0.006	87	39627	20.0	16.3	
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	99	96908	20.0	19.7	
5 Chlorodifluoromethane	51	1.410	1.416	-0.006	98	63219	20.0	17.7	
6 Chloromethane	50	1.544	1.544	0.000	98	59204	20.0	18.2	
8 Butadiene	54	1.611	1.623	-0.012	86	51335	20.0	18.6	
7 Vinyl chloride	62	1.623	1.623	0.000	98	62551	20.0	18.4	
9 Bromomethane	94	1.861	1.861	0.000	97	51624	20.0	22.0	
10 Chloroethane	64	1.910	1.922	-0.012	99	34631	20.0	22.1	
11 Dichlorofluoromethane	67	2.074	2.080	-0.006	98	118073	20.0	20.5	
12 Trichlorofluoromethane	101	2.087	2.093	-0.006	84	108755	20.0	21.2	
13 Pentane	72	2.093	2.099	-0.006	94	17608	40.0	37.5	
15 Ethyl ether	74	2.263	2.263	0.000	92	30276	20.0	19.3	
14 Ethanol	46	2.245	2.269	-0.024	89	3808	800.0	379.3	
16 2-Methyl-1,3-butadiene	53	2.282	2.288	-0.006	93	38856	20.0	18.2	
17 1,2-Dichloro-1,1,2-trifluo	117	2.312	2.312	0.000	88	49074	20.0	17.3	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.367	2.367	0.000	93	76095	20.0	17.6	a
19 Acrolein	56	2.416	2.428	-0.012	94	9657	40.0	31.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.428	2.434	-0.006	94	59025	20.0	21.1	
21 1,1-Dichloroethene	96	2.446	2.452	-0.006	98	54318	20.0	19.2	
22 Acetone	43	2.532	2.525	0.007	88	59807	100.0	98.3	
23 Iodomethane	142	2.586	2.586	0.000	99	117866	20.0	20.9	
25 Isopropyl alcohol	45	2.605	2.605	0.000	31	21339	200.0	180.5	a
24 Carbon disulfide	76	2.617	2.617	0.000	99	209267	20.0	19.5	
26 3-Chloro-1-propene	76	2.727	2.733	-0.006	89	32248	20.0	19.1	
27 Methyl acetate	43	2.739	2.739	0.000	66	53437	40.0	35.3	
28 Cyclopentene	67	2.745	2.751	-0.006	92	115695	20.0	18.6	
29 Acetonitrile	40	2.794	2.800	-0.006	96	25322	200.0	184.5	a
* 31 TBA-d9 (IS)	66	2.849	2.842	0.007	98	30134	1000.0	1000.0	
30 Methylene Chloride	84	2.849	2.848	0.001	87	62457	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	2.916	2.916	0.000	96	41317	200.0	200.3	a
33 Methyl tert-butyl ether	73	3.001	2.995	0.006	95	142244	20.0	19.7	
34 trans-1,2-Dichloroethene	96	3.013	3.013	0.000	92	58895	20.0	19.7	
35 Acrylonitrile	53	3.080	3.080	0.000	95	151755	200.0	189.5	
36 Hexane	57	3.160	3.159	0.001	90	60854	20.0	20.0	
37 Isopropyl ether	45	3.355	3.361	-0.006	93	133068	20.0	19.5	
38 1,1-Dichloroethane	63	3.379	3.379	0.000	99	89012	20.0	19.3	
39 Vinyl acetate	86	3.397	3.397	0.000	99	20986	40.0	44.9	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	89	49937	20.0	20.1	
41 Tert-butyl ethyl ether	59	3.647	3.653	-0.006	89	147216	20.0	19.8	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	89	169432	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.854	-0.006	81	20232	20.0	19.9	
44 cis-1,2-Dichloroethene	96	3.861	3.860	0.001	98	62881	20.0	19.3	
45 2-Butanone (MEK)	72	3.879	3.885	-0.006	98	25261	100.0	103.1	
46 Ethyl acetate	70	3.891	3.891	0.000	97	10505	40.0	39.3	
47 Methyl acrylate	55	3.934	3.934	0.000	99	33577	20.0	17.3	
48 Propionitrile	54	4.007	4.007	0.000	97	55878	200.0	212.0	
49 Chlorobromomethane	128	4.068	4.074	-0.006	73	33247	20.0	20.4	
50 Tetrahydrofuran	72	4.080	4.080	0.000	44	11800	40.0	39.6	
51 Methacrylonitrile	67	4.098	4.104	-0.006	87	188121	200.0	204.3	
52 Chloroform	83	4.123	4.123	0.000	99	95131	20.0	19.9	
53 Cyclohexane	84	4.245	4.245	0.000	87	85618	20.0	20.8	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	97	87759	20.0	20.0	
$ 55 Dibromofluoromethane (Surr	113	4.269	4.269	0.000	97	122543	50.0	52.3	
56 Carbon tetrachloride	117	4.367	4.366	0.001	97	68253	20.0	17.6	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	96	67672	20.0	19.7	
58 Isobutyl alcohol	43	4.543	4.537	0.006	93	61585	500.0	494.3	
59 Isooctane	57	4.562	4.562	0.000	98	167750	20.0	18.5	
60 Benzene	78	4.586	4.586	0.000	95	199999	20.0	19.6	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	97	135059	50.0	52.0	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	89	175696	20.0	21.7	
63 Isopropyl acetate	61	4.659	4.659	0.000	93	22905	20.0	18.3	
64 1,2-Dichloroethane	62	4.671	4.671	0.000	98	70280	20.0	20.1	
65 n-Heptane	100	4.738	4.738	0.000	86	13953	20.0	24.6	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	438640	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	82	25340	500.0	461.1	
68 Trichloroethene	95	5.196	5.196	0.000	98	53488	20.0	20.4	
69 Methylcyclohexane	83	5.318	5.317	0.001	90	92707	20.0	20.2	
70 Ethyl acrylate	99	5.330	5.330	0.000	97	7579	20.0	21.0	
71 1,2-Dichloropropane	63	5.476	5.476	0.000	88	43001	20.0	18.9	
* 72 1,4-Dioxane-d8	96	5.537	5.543	-0.006	86	21696	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.567	0.001	79	26236	40.0	39.8	
75 1,4-Dioxane	88	5.592	5.592	0.000	42	10216	400.0	396.2	
74 Dibromomethane	93	5.598	5.598	0.000	94	31638	20.0	19.3	
76 n-Propyl acetate	43	5.622	5.622	0.000	95	45639	20.0	18.7	
77 Dichlorobromomethane	83	5.744	5.750	-0.006	99	62571	20.0	18.6	
78 2-Nitropropane	41	6.080	6.080	0.000	79	12822	40.0	20.4	
79 2-Chloroethyl vinyl ether	63	6.086	6.086	0.000	87	26961	20.0	19.4	
80 Epichlorohydrin	57	6.183	6.189	-0.006	98	78893	400.0	379.2	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	89	79105	20.0	19.7	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	93	172783	100.0	100.7	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	413685	50.0	48.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.549	6.549	0.000	93	203027	20.0	19.4	
85 trans-1,3-Dichloropropene	75	6.897	6.896	0.001	94	68172	20.0	18.0	
86 Ethyl methacrylate	69	6.939	6.939	0.000	86	55720	20.0	17.7	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	34255	20.0	18.3	
88 Tetrachloroethene	166	7.134	7.134	0.000	94	52712	20.0	20.1	
89 1,3-Dichloropropane	76	7.305	7.305	0.000	92	67902	20.0	18.3	
90 2-Hexanone	43	7.390	7.390	0.000	90	102351	100.0	93.3	
91 n-Butyl acetate	43	7.506	7.512	-0.006	96	49451	20.0	16.8	
92 Chlorodibromomethane	129	7.531	7.530	0.001	98	43240	20.0	16.8	
93 Ethylene Dibromide	107	7.677	7.671	0.006	98	44176	20.0	19.2	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	86	330132	50.0	50.0	
95 Chlorobenzene	112	8.250	8.256	-0.006	95	138465	20.0	19.6	
96 Ethylbenzene	106	8.366	8.366	0.000	98	76537	20.0	20.1	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	94	51612	20.0	18.2	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	96475	20.0	20.3	
99 o-Xylene	106	9.036	9.042	-0.006	94	97928	20.0	19.5	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	37914	20.0	18.3	
101 Styrene	104	9.079	9.079	0.000	96	150519	20.0	19.9	
102 Bromoform	173	9.323	9.323	0.000	96	24190	20.0	14.5	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	92	68213	20.0	17.1	
104 Isopropylbenzene	105	9.488	9.487	0.001	96	255985	20.0	20.2	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	132895	50.0	50.7	
106 Bromobenzene	156	9.859	9.853	0.006	96	62094	20.0	20.1	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.932	0.001	98	58235	20.0	20.0	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	287273	20.0	20.5	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	16861	20.0	18.9	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	89	12029	20.0	16.2	
111 2-Chlorotoluene	91	10.061	10.067	-0.006	96	202187	20.0	20.2	
112 4-Ethyltoluene	105	10.091	10.091	0.000	99	246147	20.0	20.1	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	220367	20.0	20.7	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	196848	20.0	20.1	
115 Butyl Methacrylate	87	10.298	10.298	0.000	86	74120	20.0	19.2	
116 tert-Butylbenzene	119	10.481	10.481	0.000	94	177586	20.0	20.5	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	229068	20.0	20.5	
118 sec-Butylbenzene	105	10.695	10.694	0.001	99	273862	20.0	21.0	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	117030	20.0	20.1	
120 4-Isopropyltoluene	119	10.841	10.847	-0.006	97	242935	20.0	21.2	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	175006	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	116987	20.0	20.5	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	235109	20.0	20.0	
124 Benzyl chloride	91	11.067	11.066	0.001	99	108150	20.0	14.8	
125 2,3-Dihydroindene	117	11.127	11.127	0.000	94	220521	20.0	20.3	
126 p-Diethylbenzene	119	11.201	11.200	0.001	94	136382	20.0	20.6	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	120364	20.0	21.1	
128 1,2-Dichlorobenzene	146	11.262	11.261	0.001	96	120218	20.0	20.5	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	98	252560	20.0	20.0	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.956	0.001	96	12719	20.0	16.9	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	97	107024	20.0	21.3	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	104808	20.0	21.2	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	94	42301	20.0	23.1	
134 Naphthalene	128	12.767	12.773	-0.006	99	255526	20.0	20.3	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	96	103643	20.0	21.2	

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		40.0	39.0	
S 137 Xylenes, Total	100				0		40.0	39.8	
S 139 1,3-Dichloropropene, Total	1				0		40.0	37.7	
S 140 Total BTEX	1				0		100.0	98.8	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00347	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Dec-2019 09:05:57 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1289.D

Injection Date: 26-Dec-2019 19:42:30 Instrument ID: CVOAMS17

Lims ID: LCS

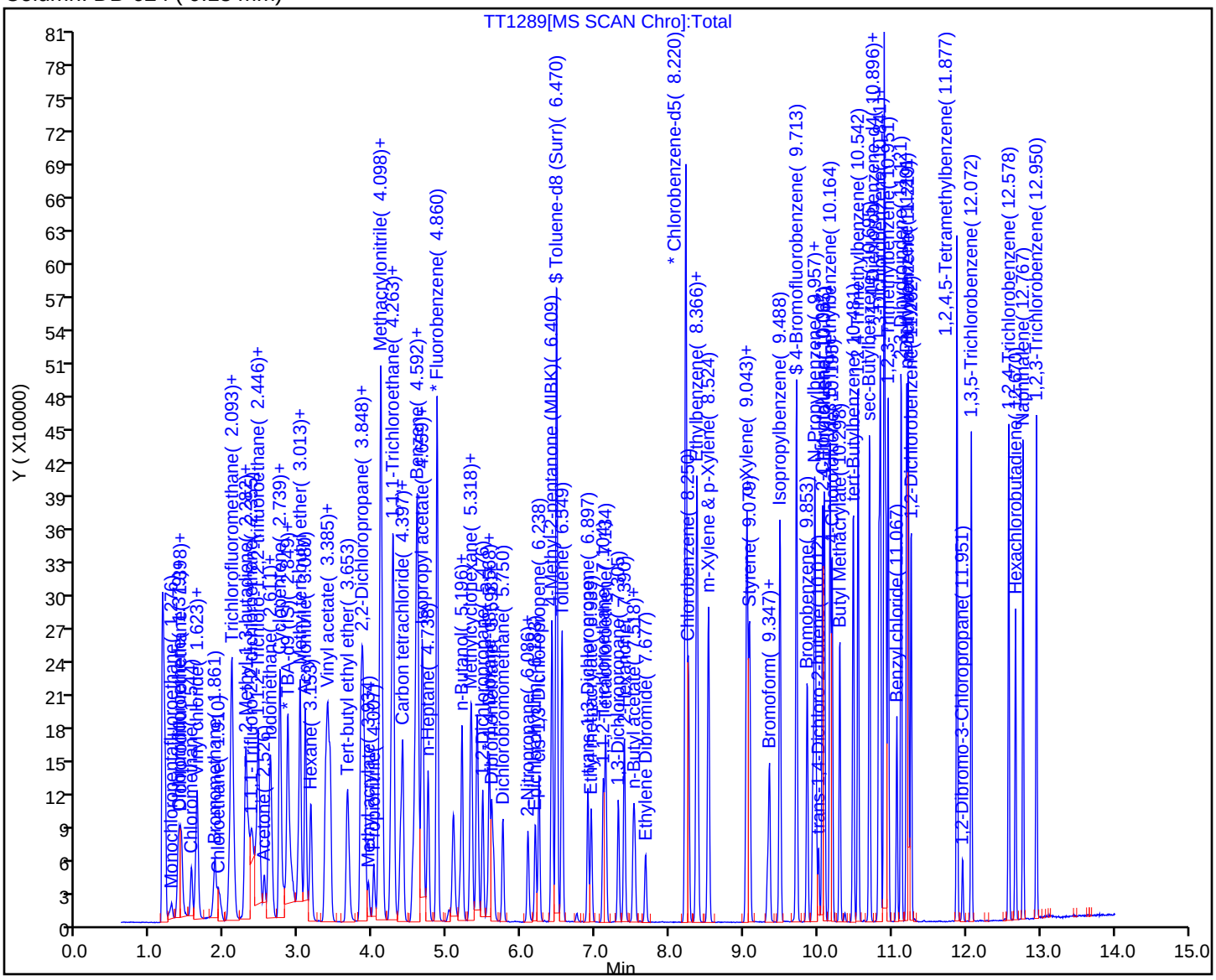
Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 5

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665310/4

Matrix: Water Lab File ID: TT11321.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.8		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	22.6		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.4		1.0	0.43
75-34-3	1,1-Dichloroethane	22.3		1.0	0.26
75-35-4	1,1-Dichloroethene	22.8		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	24.9		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	24.2		1.0	0.37
78-87-5	1,2-Dichloropropane	22.1		1.0	0.35
541-73-1	1,3-Dichlorobenzene	23.6		1.0	0.34
106-46-7	1,4-Dichlorobenzene	23.8		1.0	0.33
123-91-1	1,4-Dioxane	510		50	28
78-93-3	2-Butanone (MEK)	119		5.0	1.9
591-78-6	2-Hexanone	111		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	115		5.0	1.3
67-64-1	Acetone	111		5.0	4.4
71-43-2	Benzene	22.4		1.0	0.20
75-25-2	Bromoform	16.8		1.0	0.54
74-83-9	Bromomethane	23.9		1.0	0.55
75-15-0	Carbon disulfide	22.3		1.0	0.82
56-23-5	Carbon tetrachloride	19.9		1.0	0.21
108-90-7	Chlorobenzene	23.0		1.0	0.38
74-97-5	Chlorobromomethane	23.5		1.0	0.41
124-48-1	Chlorodibromomethane	18.7		1.0	0.28
75-00-3	Chloroethane	23.3		1.0	0.32
67-66-3	Chloroform	23.0		1.0	0.33
74-87-3	Chloromethane	20.6		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.9		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.3		1.0	0.22
110-82-7	Cyclohexane	21.4		1.0	0.32
75-27-4	Dichlorobromomethane	21.3		1.0	0.34
75-71-8	Dichlorodifluoromethane	18.0		1.0	0.31
100-41-4	Ethylbenzene	23.1		1.0	0.30
106-93-4	Ethylene Dibromide	22.4		1.0	0.50
98-82-8	Isopropylbenzene	23.5		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-665310/4

Matrix: Water Lab File ID: TT11321.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	40.0		5.0	0.79
1634-04-4	Methyl tert-butyl ether	22.2		1.0	0.47
108-87-2	Methylcyclohexane	21.3		1.0	0.26
75-09-2	Methylene Chloride	21.3		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	22.8		1.0	0.30
95-47-6	o-Xylene	22.5		1.0	0.36
100-42-5	Styrene	22.7		1.0	0.42
127-18-4	Tetrachloroethene	24.1		1.0	0.25
108-88-3	Toluene	22.2		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	22.5		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	20.6		1.0	0.49
79-01-6	Trichloroethene	23.3		1.0	0.31
75-69-4	Trichlorofluoromethane	22.3		1.0	0.32
75-01-4	Vinyl chloride	20.9		1.0	0.17
107-06-2	1,2-Dichloroethane	22.3		1.0	0.43
95-50-1	1,2-Dichlorobenzene	23.9		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	99		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11321.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Dec-2019 07:28:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0103504-004
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 11:49:20 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: desais Date: 27-Dec-2019 09:08:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.367	1.367	0.000	69	17907	20.0	16.6	
2 1,1-Difluoroethane	51	1.373	1.373	0.000	92	43821	20.0	18.9	
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	99	84196	20.0	18.0	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	98	66435	20.0	19.6	
6 Chloromethane	50	1.544	1.550	-0.006	99	63736	20.0	20.6	
8 Butadiene	54	1.617	1.617	0.000	91	52842	20.0	20.2	
7 Vinyl chloride	62	1.623	1.623	0.000	98	67498	20.0	20.9	
9 Bromomethane	94	1.861	1.861	0.000	96	53274	20.0	23.9	
10 Chloroethane	64	1.916	1.922	-0.006	99	34477	20.0	23.3	
11 Dichlorofluoromethane	67	2.074	2.080	-0.006	98	125700	20.0	23.0	
12 Trichlorofluoromethane	101	2.087	2.093	-0.006	80	108779	20.0	22.3	
13 Pentane	72	2.093	2.093	0.000	94	17388	40.0	38.9	
14 Ethanol	46	2.245	2.257	-0.012	86	7275	800.0	713.5	
15 Ethyl ether	74	2.263	2.269	-0.006	91	32787	20.0	22.0	
16 2-Methyl-1,3-butadiene	53	2.282	2.288	-0.006	95	41567	20.0	20.5	
17 1,2-Dichloro-1,1,2-trifluo	117	2.312	2.318	-0.006	86	54121	20.0	20.1	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.367	2.373	-0.006	95	83070	20.0	20.2	a
19 Acrolein	56	2.416	2.416	0.000	95	13648	40.0	43.9	
20 1,1,2-Trichloro-1,2,2-trif	101	2.440	2.440	0.000	93	58597	20.0	22.1	a
21 1,1-Dichloroethene	96	2.446	2.458	-0.012	97	61367	20.0	22.8	
22 Acetone	43	2.526	2.532	-0.006	88	63889	100.0	110.9	
23 Iodomethane	142	2.587	2.593	-0.006	98	126831	20.0	23.6	
25 Isopropyl alcohol	45	2.605	2.611	-0.006	30	27487	200.0	228.1	a
24 Carbon disulfide	76	2.617	2.617	0.000	99	227542	20.0	22.3	
26 3-Chloro-1-propene	76	2.727	2.733	-0.006	91	35981	20.0	22.5	
27 Methyl acetate	43	2.739	2.745	-0.006	68	57586	40.0	40.0	
28 Cyclopentene	67	2.745	2.751	-0.006	89	123611	20.0	20.9	
29 Acetonitrile	40	2.794	2.800	-0.006	97	30365	200.0	234.0	
* 31 TBA-d9 (IS)	66	2.836	2.849	-0.013	98	30710	1000.0	1000.0	
30 Methylene Chloride	84	2.849	2.849	0.000	84	67399	20.0	21.3	
32 2-Methyl-2-propanol	59	2.910	2.910	0.000	91	44433	200.0	211.4	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.001	3.001	0.000	95	152264	20.0	22.2	
34 trans-1,2-Dichloroethene	96	3.013	3.013	0.000	93	63966	20.0	22.5	
35 Acrylonitrile	53	3.080	3.086	-0.006	96	172099	200.0	226.0	
36 Hexane	57	3.160	3.159	0.001	89	57465	20.0	19.8	
37 Isopropyl ether	45	3.355	3.361	-0.006	92	141316	20.0	21.7	
38 1,1-Dichloroethane	63	3.379	3.385	-0.006	99	97854	20.0	22.3	
39 Vinyl acetate	86	3.391	3.397	-0.006	99	22855	40.0	51.6	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	89	53514	20.0	22.7	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	90	155612	20.0	22.0	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	88	160422	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	82	21840	20.0	22.6	
44 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	98	67777	20.0	21.9	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	97	27595	100.0	119.0	
46 Ethyl acetate	70	3.891	3.891	0.000	97	11342	40.0	44.9	
47 Methyl acrylate	55	3.934	3.940	-0.006	98	37900	20.0	20.5	
48 Propionitrile	54	4.007	4.007	0.000	98	62212	200.0	231.6	
49 Chlorobromomethane	128	4.074	4.074	0.000	72	36438	20.0	23.5	
50 Tetrahydrofuran	72	4.074	4.080	-0.006	62	13114	40.0	46.5	
51 Methacrylonitrile	67	4.098	4.104	-0.006	87	206681	200.0	236.0	
52 Chloroform	83	4.123	4.129	-0.006	99	104452	20.0	23.0	
53 Cyclohexane	84	4.245	4.245	0.000	86	84105	20.0	21.4	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	97	94781	20.0	22.8	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	115908	50.0	52.1	
56 Carbon tetrachloride	117	4.373	4.373	0.000	97	73431	20.0	19.9	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	98	74568	20.0	22.8	
58 Isobutyl alcohol	43	4.531	4.537	-0.006	93	63980	500.0	503.9	a
59 Isooctane	57	4.568	4.568	0.000	98	156109	20.0	18.1	
60 Benzene	78	4.586	4.586	0.000	96	215612	20.0	22.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	126667	50.0	51.2	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	84	186772	20.0	24.3	
63 Isopropyl acetate	61	4.659	4.659	0.000	85	25755	20.0	21.6	
64 1,2-Dichloroethane	62	4.671	4.677	-0.006	99	74220	20.0	22.3	
65 n-Heptane	100	4.739	4.745	-0.006	87	12580	20.0	23.3	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	417235	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	84	29248	500.0	522.2	
68 Trichloroethene	95	5.196	5.202	-0.006	98	58103	20.0	23.3	
69 Methylcyclohexane	83	5.318	5.318	0.000	90	93061	20.0	21.3	
70 Ethyl acrylate	99	5.330	5.336	-0.006	97	8109	20.0	23.6	
71 1,2-Dichloropropane	63	5.476	5.482	-0.006	90	47747	20.0	22.1	
* 72 1,4-Dioxane-d8	96	5.537	5.549	-0.012	86	20308	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	80	28400	40.0	45.3	
75 1,4-Dioxane	88	5.598	5.592	0.006	43	12318	400.0	510.3	
74 Dibromomethane	93	5.598	5.598	0.000	97	35488	20.0	22.8	
76 n-Propyl acetate	43	5.629	5.629	0.001	96	48162	20.0	20.8	
77 Dichlorobromomethane	83	5.751	5.750	0.001	98	68083	20.0	21.3	
78 2-Nitropropane	41	6.080	6.080	0.000	80	14198	40.0	23.7	
79 2-Chloroethyl vinyl ether	63	6.092	6.092	0.000	85	28294	20.0	21.4	
80 Epichlorohydrin	57	6.189	6.189	0.000	98	88226	400.0	447.8	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	80568	20.0	21.3	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	93	187065	100.0	115.2	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	99	396077	50.0	49.5	
84 Toluene	91	6.549	6.549	0.000	94	219513	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
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	94	73672	20.0	20.6	
86 Ethyl methacrylate	69	6.939	6.939	0.000	86	60986	20.0	20.6	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	94	37671	20.0	21.4	
88 Tetrachloroethene	166	7.134	7.140	-0.006	96	59635	20.0	24.1	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	91	75238	20.0	21.6	
90 2-Hexanone	43	7.390	7.390	0.000	92	114942	100.0	110.7	
91 n-Butyl acetate	43	7.506	7.512	-0.006	97	55481	20.0	20.0	
92 Chlorodibromomethane	129	7.531	7.531	0.000	97	45292	20.0	18.7	
93 Ethylene Dibromide	107	7.677	7.677	0.000	99	48425	20.0	22.4	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	85	311110	50.0	50.0	
95 Chlorobenzene	112	8.250	8.256	-0.006	96	152635	20.0	23.0	
96 Ethylbenzene	106	8.366	8.366	0.000	98	82937	20.0	23.1	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	93	56136	20.0	21.0	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	102101	20.0	22.8	
99 o-Xylene	106	9.043	9.042	0.001	94	106227	20.0	22.5	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	39716	20.0	20.4	
101 Styrene	104	9.079	9.079	0.000	95	161203	20.0	22.7	
102 Bromoform	173	9.323	9.323	0.000	97	26421	20.0	16.8	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	73786	20.0	19.8	
104 Isopropylbenzene	105	9.488	9.488	0.000	96	279524	20.0	23.5	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	121953	50.0	49.4	
106 Bromobenzene	156	9.859	9.859	0.000	96	66831	20.0	23.3	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	97	61409	20.0	22.6	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	310404	20.0	23.8	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	19421	20.0	23.4	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.006	0.006	92	12170	20.0	17.6	
111 2-Chlorotoluene	91	10.067	10.067	0.000	96	217854	20.0	23.3	
112 4-Ethyltoluene	105	10.091	10.091	0.000	99	267606	20.0	23.5	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	238906	20.0	24.1	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	212034	20.0	23.2	
115 Butyl Methacrylate	87	10.298	10.298	0.000	86	78170	20.0	21.7	
116 tert-Butylbenzene	119	10.481	10.481	0.000	94	193692	20.0	24.0	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	245501	20.0	23.6	
118 sec-Butylbenzene	105	10.695	10.695	0.000	99	298248	20.0	24.5	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	128344	20.0	23.6	
120 4-Isopropyltoluene	119	10.841	10.847	-0.006	98	264524	20.0	24.7	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	163151	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	126929	20.0	23.8	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	251491	20.0	22.9	
124 Benzyl chloride	91	11.067	11.066	0.001	99	114486	20.0	16.9	
125 2,3-Dihydroindene	117	11.121	11.127	-0.006	95	233270	20.0	23.1	
126 p-Diethylbenzene	119	11.201	11.201	0.000	93	143786	20.0	23.2	
127 n-Butylbenzene	92	11.219	11.219	0.000	97	132247	20.0	24.9	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	96	130755	20.0	23.9	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	270887	20.0	23.0	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	97	13561	20.0	19.3	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	97	114831	20.0	24.5	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	95	112000	20.0	24.2	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	95	45372	20.0	26.6	
134 Naphthalene	128	12.774	12.767	0.007	99	286724	20.0	24.4	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	96	113240	20.0	24.9	
S 136 1,2-Dichloroethene, Total	100				0		40.0	44.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	45.2	
S 139 1,3-Dichloropropene, Total	1				0		40.0	41.9	
S 140 Total BTEX	1				0		100.0	112.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 28-Dec-2019 11:49:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11321.D

Injection Date: 27-Dec-2019 07:28:30 Instrument ID: CVOAMS17

Lims ID: LCS

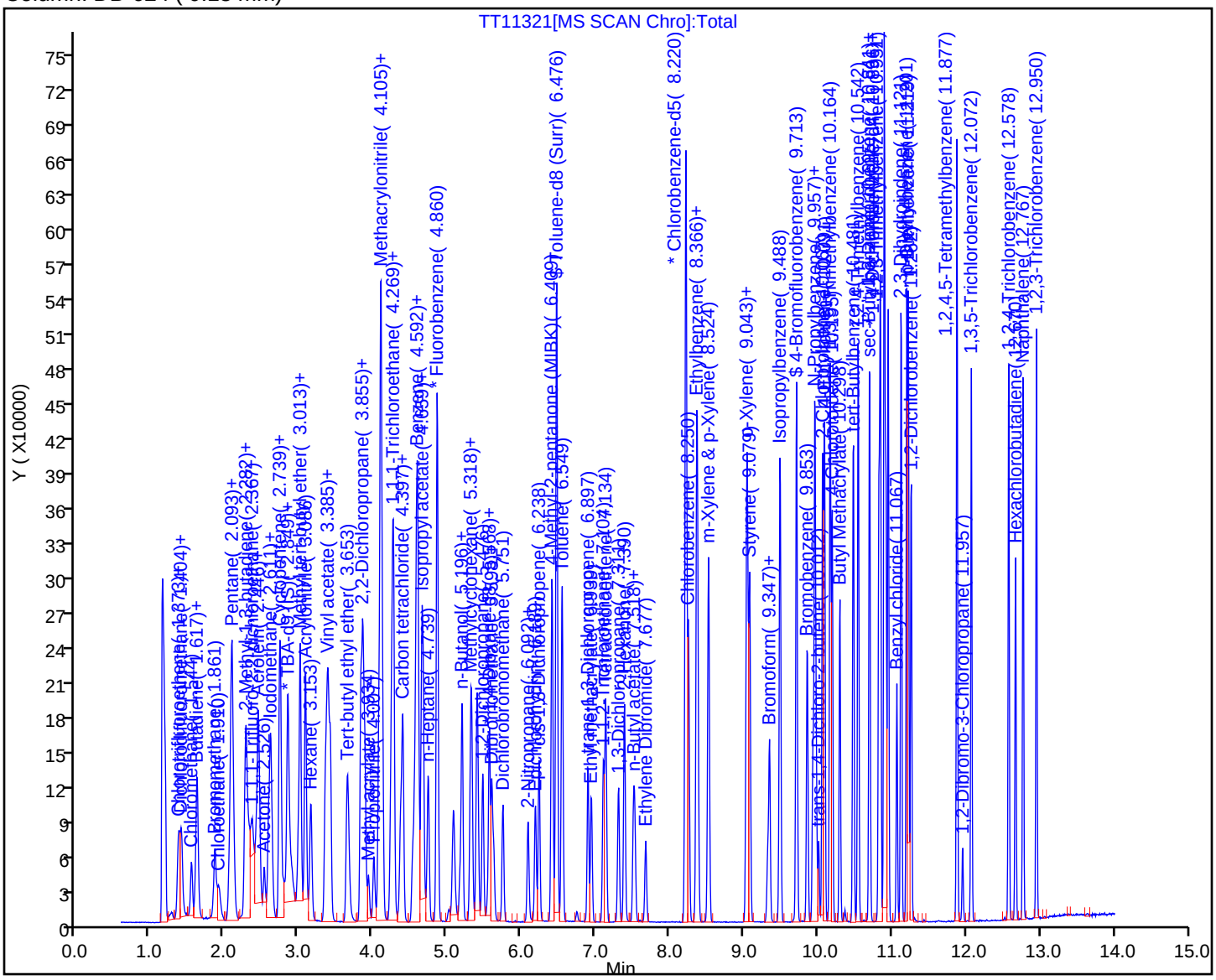
Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

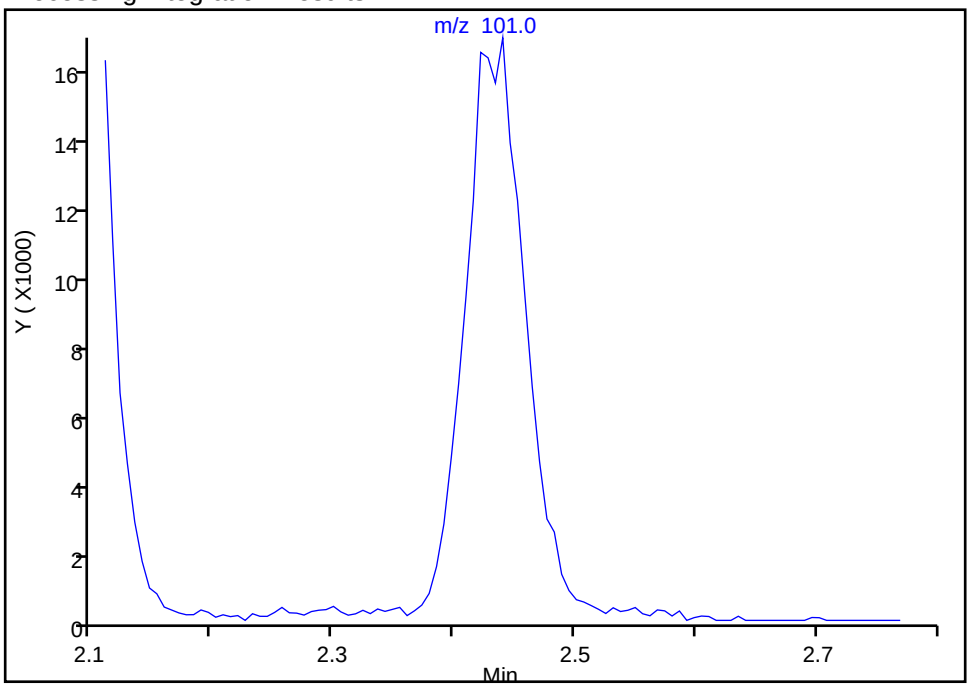
Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11321.D
Injection Date: 27-Dec-2019 07:28:30 Instrument ID: CVOAMS17
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

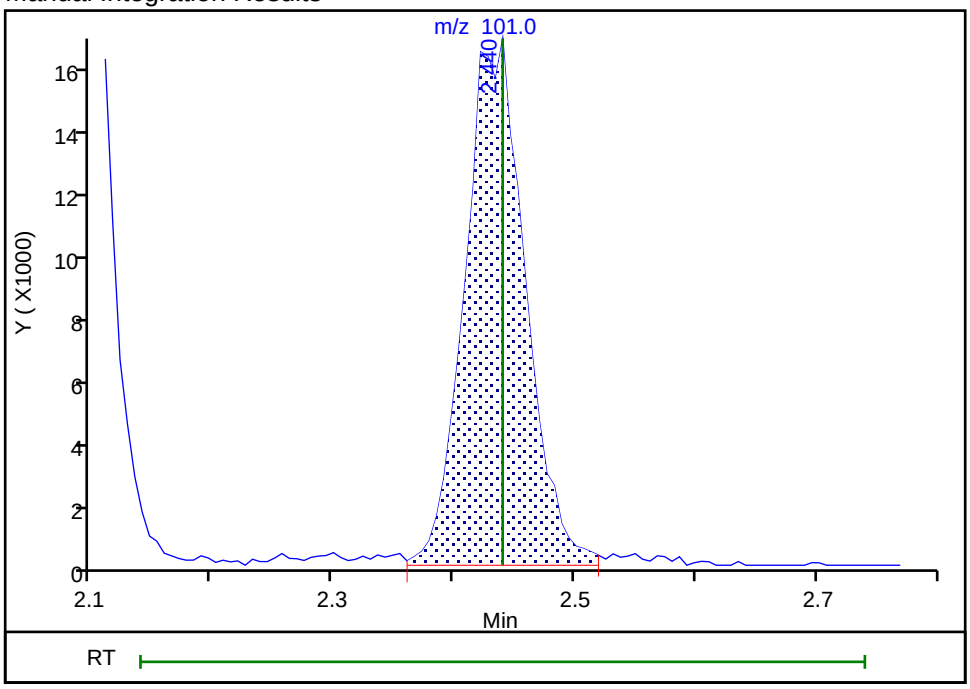
Not Detected
Expected RT: 2.44

Processing Integration Results



Manual Integration Results

RT: 2.44
Area: 58597
Amount: 22.065504
Amount Units: ug/l



Reviewer: desais, 27-Dec-2019 09:03:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665200/6

Matrix: Water Lab File ID: TT1290.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 20:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.3		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.4		1.0	0.31
79-00-5	1,1,2-Trichloroethane	18.8		1.0	0.43
75-34-3	1,1-Dichloroethane	20.2		1.0	0.26
75-35-4	1,1-Dichloroethene	20.0		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	20.9		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	21.2		1.0	0.37
78-87-5	1,2-Dichloropropane	19.5		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.6		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.4		1.0	0.33
123-91-1	1,4-Dioxane	424		50	28
78-93-3	2-Butanone (MEK)	103		5.0	1.9
591-78-6	2-Hexanone	95.6		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	98.8		5.0	1.3
67-64-1	Acetone	102		5.0	4.4
71-43-2	Benzene	20.0		1.0	0.20
75-25-2	Bromoform	14.5		1.0	0.54
74-83-9	Bromomethane	22.0		1.0	0.55
75-15-0	Carbon disulfide	20.2		1.0	0.82
56-23-5	Carbon tetrachloride	18.0		1.0	0.21
108-90-7	Chlorobenzene	20.4		1.0	0.38
74-97-5	Chlorobromomethane	21.1		1.0	0.41
124-48-1	Chlorodibromomethane	17.5		1.0	0.28
75-00-3	Chloroethane	21.2		1.0	0.32
67-66-3	Chloroform	20.5		1.0	0.33
74-87-3	Chloromethane	19.1		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	19.8		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	19.5		1.0	0.22
110-82-7	Cyclohexane	20.5		1.0	0.32
75-27-4	Dichlorobromomethane	18.7		1.0	0.34
75-71-8	Dichlorodifluoromethane	20.2		1.0	0.31
100-41-4	Ethylbenzene	20.5		1.0	0.30
106-93-4	Ethylene Dibromide	19.8		1.0	0.50
98-82-8	Isopropylbenzene	20.5		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-665200/6

Matrix: Water Lab File ID: TT1290.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/26/2019 20:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	37.2		5.0	0.79
1634-04-4	Methyl tert-butyl ether	20.5		1.0	0.47
108-87-2	Methylcyclohexane	20.3		1.0	0.26
75-09-2	Methylene Chloride	19.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	20.3		1.0	0.30
95-47-6	o-Xylene	20.1		1.0	0.36
100-42-5	Styrene	19.8		1.0	0.42
127-18-4	Tetrachloroethene	20.3		1.0	0.25
108-88-3	Toluene	19.5		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.7		1.0	0.49
79-01-6	Trichloroethene	20.6		1.0	0.31
75-69-4	Trichlorofluoromethane	21.8		1.0	0.32
75-01-4	Vinyl chloride	19.6		1.0	0.17
107-06-2	1,2-Dichloroethane	20.2		1.0	0.43
95-50-1	1,2-Dichlorobenzene	20.8		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	17.2		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	4-Bromofluorobenzene	102		77-124
1868-53-7	Dibromofluoromethane (Surr)	106		72-131
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1290.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 26-Dec-2019 20:03:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0103476-006
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 27-Dec-2019 08:58:07 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0316

First Level Reviewer: parekhv Date: 26-Dec-2019 20:42:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	1.288	1.288	0.000	61	2094	20.0	10.8	
3 Chlorotrifluoroethene	116	1.373	1.367	0.006	65	20819	20.0	18.0	
2 1,1-Difluoroethane	51	1.379	1.373	0.006	88	43075	20.0	17.4	
4 Dichlorodifluoromethane	85	1.404	1.398	0.006	88	100844	20.0	20.2	
5 Chlorodifluoromethane	51	1.422	1.416	0.006	97	68919	20.0	19.0	
6 Chloromethane	50	1.556	1.544	0.012	87	63267	20.0	19.1	
8 Butadiene	54	1.629	1.623	0.006	74	54084	20.0	19.3	
7 Vinyl chloride	62	1.629	1.623	0.006	83	67811	20.0	19.6	
9 Bromomethane	94	1.873	1.861	0.012	94	53263	20.0	22.0	
10 Chloroethane	64	1.928	1.922	0.006	97	34266	20.0	21.2	
11 Dichlorofluoromethane	67	2.087	2.080	0.007	89	123353	20.0	21.1	
12 Trichlorofluoromethane	101	2.093	2.093	0.000	73	113990	20.0	21.8	
13 Pentane	72	2.105	2.099	0.006	94	17807	40.0	37.3	
15 Ethyl ether	74	2.269	2.263	0.006	96	31666	20.0	19.8	
14 Ethanol	46	2.282	2.269	0.013	59	8351	800.0	715.8	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	94	39907	20.0	18.4	
17 1,2-Dichloro-1,1,2-trifluo	117	2.324	2.312	0.012	84	53429	20.0	18.5	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.367	0.006	95	81377	20.0	18.5	a
19 Acrolein	56	2.428	2.428	0.000	53	11943	40.0	33.6	
20 1,1,2-Trichloro-1,2,2-trif	101	2.440	2.434	0.006	96	60900	20.0	21.4	
21 1,1-Dichloroethene	96	2.458	2.452	0.006	89	57588	20.0	20.0	
22 Acetone	43	2.538	2.525	0.013	88	64021	100.0	101.9	
23 Iodomethane	142	2.593	2.586	0.007	97	122979	20.0	21.4	
25 Isopropyl alcohol	45	2.611	2.605	0.006	35	26008	200.0	188.6	a
24 Carbon disulfide	76	2.623	2.617	0.006	99	220155	20.0	20.2	
26 3-Chloro-1-propene	76	2.739	2.733	0.006	84	35749	20.0	20.9	
27 Methyl acetate	43	2.751	2.739	0.012	61	57280	40.0	37.2	
28 Cyclopentene	67	2.751	2.751	0.000	89	118902	20.0	18.8	
29 Acetonitrile	40	2.806	2.800	0.006	98	25894	200.0	182.7	a
* 31 TBA-d9 (IS)	66	2.849	2.842	0.007	99	35137	1000.0	1000.0	
30 Methylene Chloride	84	2.855	2.848	0.007	82	66881	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	2.910	2.916	-0.006	87	46093	200.0	191.6	
33 Methyl tert-butyl ether	73	3.007	2.995	0.012	96	150319	20.0	20.5	
34 trans-1,2-Dichloroethene	96	3.019	3.013	0.006	92	60823	20.0	20.0	
35 Acrylonitrile	53	3.086	3.080	0.006	95	160609	200.0	197.1	
36 Hexane	57	3.159	3.159	0.000	90	60480	20.0	19.5	
37 Isopropyl ether	45	3.361	3.361	0.000	92	135502	20.0	19.5	
38 1,1-Dichloroethane	63	3.385	3.379	0.006	94	94828	20.0	20.2	
39 Vinyl acetate	86	3.403	3.397	0.006	99	21409	40.0	44.4	
40 2-Chloro-1,3-butadiene	88	3.428	3.422	0.006	87	51402	20.0	20.4	
41 Tert-butyl ethyl ether	59	3.659	3.653	0.006	91	154178	20.0	20.4	
* 42 2-Butanone-d5	46	3.836	3.836	0.000	89	174936	250.0	250.0	
43 2,2-Dichloropropane	97	3.854	3.854	0.000	79	20330	20.0	19.6	
44 cis-1,2-Dichloroethene	96	3.867	3.860	0.007	93	65586	20.0	19.8	
45 2-Butanone (MEK)	72	3.891	3.885	0.006	97	26149	100.0	103.4	
46 Ethyl acetate	70	3.891	3.891	0.000	97	11153	40.0	40.4	
47 Methyl acrylate	55	3.940	3.934	0.006	98	33911	20.0	17.2	
48 Propionitrile	54	4.013	4.007	0.006	97	60691	200.0	197.5	
49 Chlorobromomethane	128	4.074	4.074	0.000	75	35037	20.0	21.1	
50 Tetrahydrofuran	72	4.080	4.080	0.000	56	11492	40.0	37.3	
51 Methacrylonitrile	67	4.104	4.104	0.000	87	195598	200.0	208.8	
52 Chloroform	83	4.129	4.123	0.006	93	99745	20.0	20.5	
53 Cyclohexane	84	4.251	4.245	0.006	85	86143	20.0	20.5	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	85	90380	20.0	20.3	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.269	0.006	95	125729	50.0	52.8	
56 Carbon tetrachloride	117	4.373	4.366	0.007	89	71016	20.0	18.0	
57 1,1-Dichloropropene	75	4.403	4.397	0.006	97	72176	20.0	20.7	
58 Isobutyl alcohol	43	4.537	4.537	0.000	92	71662	500.0	493.3	
59 Isooctane	57	4.568	4.562	0.006	96	171631	20.0	18.6	
60 Benzene	78	4.586	4.586	0.000	96	209745	20.0	20.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	89	136525	50.0	51.6	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	84	180274	20.0	21.9	
63 Isopropyl acetate	61	4.665	4.659	0.006	81	23637	20.0	18.5	
64 1,2-Dichloroethane	62	4.677	4.671	0.006	92	71898	20.0	20.2	
65 n-Heptane	100	4.745	4.738	0.007	84	13590	20.0	23.5	
* 66 Fluorobenzene	96	4.866	4.860	0.006	99	446336	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	84	26536	500.0	414.1	
68 Trichloroethene	95	5.202	5.196	0.006	91	55000	20.0	20.6	
69 Methylcyclohexane	83	5.318	5.317	0.001	93	94886	20.0	20.3	
70 Ethyl acrylate	99	5.330	5.330	0.000	94	8371	20.0	22.8	
71 1,2-Dichloropropane	63	5.476	5.476	0.000	89	45204	20.0	19.5	
* 72 1,4-Dioxane-d8	96	5.549	5.543	0.006	34	23852	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.567	0.001	76	26116	40.0	38.9	
75 1,4-Dioxane	88	5.598	5.592	0.006	39	12019	400.0	424.0	
74 Dibromomethane	93	5.598	5.598	0.000	97	32934	20.0	19.8	
76 n-Propyl acetate	43	5.629	5.622	0.007	96	46706	20.0	18.8	
77 Dichlorobromomethane	83	5.750	5.750	0.000	95	64020	20.0	18.7	
78 2-Nitropropane	41	6.080	6.080	0.000	81	13578	40.0	21.2	
79 2-Chloroethyl vinyl ether	63	6.092	6.086	0.006	87	28374	20.0	20.0	
80 Epichlorohydrin	57	6.189	6.189	0.000	97	82813	400.0	385.5	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	86	80655	20.0	19.5	
82 4-Methyl-2-pentanone (MIBK	43	6.415	6.409	0.006	92	174977	100.0	98.8	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	99	424946	50.0	48.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.549	6.549	0.000	94	210404	20.0	19.5	
85 trans-1,3-Dichloropropene	75	6.897	6.896	0.001	93	72977	20.0	18.7	
86 Ethyl methacrylate	69	6.945	6.939	0.006	84	58235	20.0	18.0	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	92	36007	20.0	18.8	
88 Tetrachloroethene	166	7.134	7.134	0.000	90	54676	20.0	20.3	
89 1,3-Dichloropropane	76	7.305	7.305	0.000	90	71600	20.0	18.8	
90 2-Hexanone	43	7.390	7.390	0.000	89	108231	100.0	95.6	
91 n-Butyl acetate	43	7.512	7.512	0.000	94	52135	20.0	17.3	
92 Chlorodibromomethane	129	7.524	7.530	-0.006	95	46062	20.0	17.5	
93 Ethylene Dibromide	107	7.677	7.671	0.006	98	46639	20.0	19.8	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	83	338940	50.0	50.0	
95 Chlorobenzene	112	8.256	8.256	0.000	95	147300	20.0	20.4	
96 Ethylbenzene	106	8.366	8.366	0.000	97	80056	20.0	20.5	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	52	53936	20.0	18.5	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	95	99352	20.0	20.3	
99 o-Xylene	106	9.042	9.042	0.000	95	103458	20.0	20.1	
100 n-Butyl acrylate	73	9.055	9.055	0.000	90	38905	20.0	18.3	
101 Styrene	104	9.079	9.079	0.000	95	153594	20.0	19.8	
102 Bromoform	173	9.323	9.323	0.000	96	24885	20.0	14.5	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	71959	20.0	17.1	
104 Isopropylbenzene	105	9.488	9.487	0.001	96	265567	20.0	20.5	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	137487	50.0	51.1	
106 Bromobenzene	156	9.859	9.853	0.006	92	65242	20.0	20.1	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.932	0.001	91	58114	20.0	18.9	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	298524	20.0	20.2	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	95	17920	20.0	19.1	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	92	11506	20.0	14.7	
111 2-Chlorotoluene	91	10.067	10.067	0.000	96	211611	20.0	20.0	
112 4-Ethyltoluene	105	10.091	10.091	0.000	97	256887	20.0	20.0	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	230668	20.0	20.6	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	205294	20.0	19.9	
115 Butyl Methacrylate	87	10.298	10.298	0.000	85	71730	20.0	17.6	
116 tert-Butylbenzene	119	10.475	10.481	-0.006	93	183864	20.0	20.2	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	96	236089	20.0	20.1	
118 sec-Butylbenzene	105	10.695	10.694	0.001	99	284413	20.0	20.7	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	126255	20.0	20.6	
120 4-Isopropyltoluene	119	10.841	10.847	-0.006	95	249972	20.0	20.7	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	184238	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	94	122871	20.0	20.4	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	244370	20.0	19.7	
124 Benzyl chloride	91	11.066	11.066	0.000	99	109112	20.0	14.2	
125 2,3-Dihydroindene	117	11.121	11.127	-0.006	91	227591	20.0	19.9	
126 p-Diethylbenzene	119	11.201	11.200	0.001	94	142635	20.0	20.4	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	125457	20.0	20.9	
128 1,2-Dichlorobenzene	146	11.262	11.261	0.001	97	128384	20.0	20.8	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	96	264075	20.0	19.9	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.956	0.001	91	13647	20.0	17.2	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	97	112552	20.0	21.3	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	93	110833	20.0	21.2	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	92	42484	20.0	22.1	
134 Naphthalene	128	12.767	12.773	-0.006	99	265582	20.0	20.0	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	94	107210	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
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.8	
S 137 Xylenes, Total	100				0		40.0	40.4	
S 139 1,3-Dichloropropene, Total	1				0		40.0	38.3	
S 140 Total BTEX	1				0		100.0	100.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Dec-2019 09:06:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1290.D

Injection Date: 26-Dec-2019 20:03:30 Instrument ID: CVOAMS17

Lims ID: LCSD

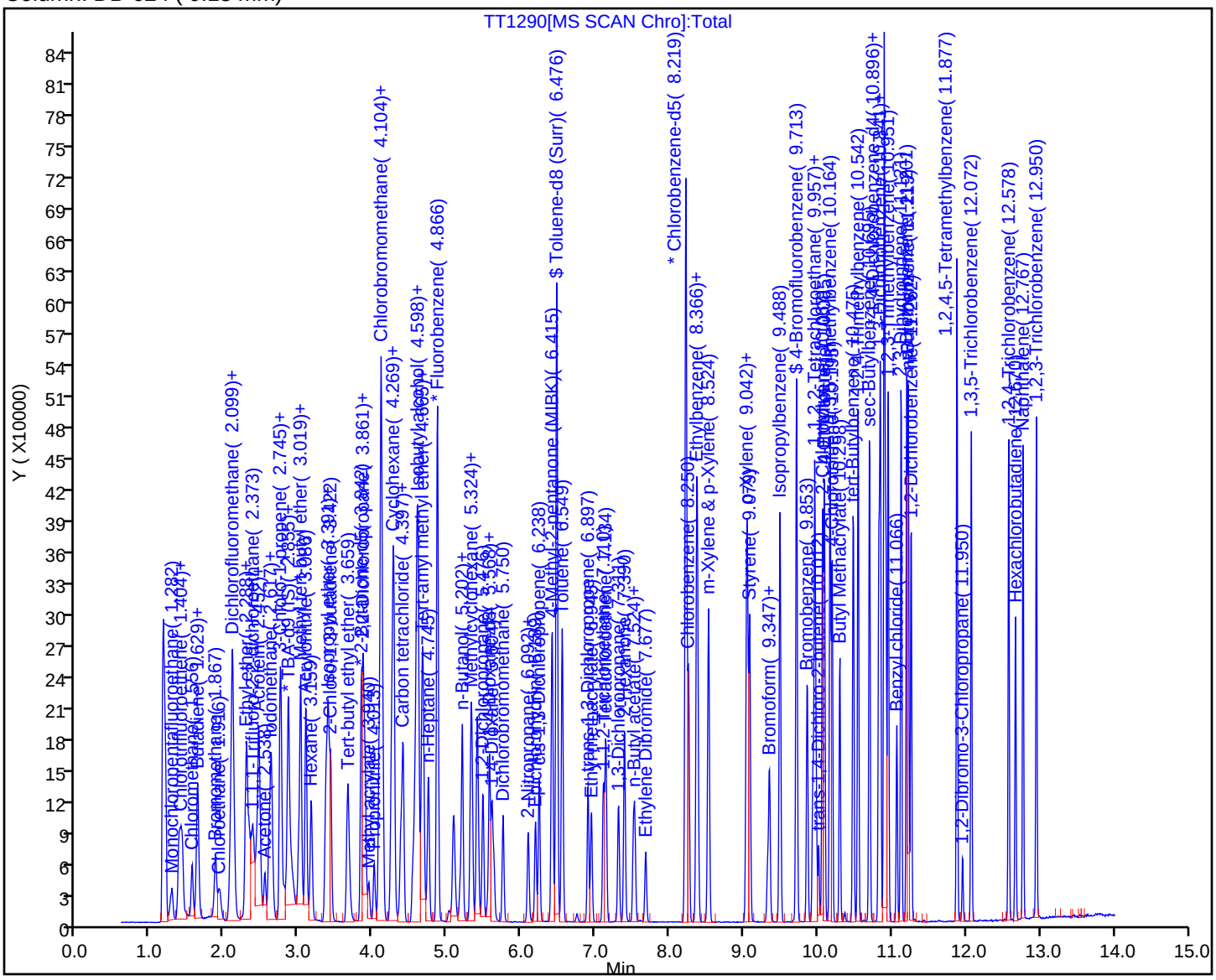
Client ID:

Operator ID: ALS Bottle#: 5 Worklist Smp#: 6

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 MS Lab Sample ID: 460-199160-1 MS

Matrix: Water Lab File ID: TT1301.D

Analysis Method: 8260C Date Collected: 12/16/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 00:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.7		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	19.7		1.0	0.43
75-34-3	1,1-Dichloroethane	20.8		1.0	0.26
75-35-4	1,1-Dichloroethene	21.4		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	21.1		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	21.2		1.0	0.37
78-87-5	1,2-Dichloropropane	20.0		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.4		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.2		1.0	0.33
123-91-1	1,4-Dioxane	412		50	28
78-93-3	2-Butanone (MEK)	107		5.0	1.9
591-78-6	2-Hexanone	100		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	104		5.0	1.3
67-64-1	Acetone	90.6		5.0	4.4
71-43-2	Benzene	20.9		1.0	0.20
75-25-2	Bromoform	14.3		1.0	0.54
74-83-9	Bromomethane	20.6		1.0	0.55
75-15-0	Carbon disulfide	19.2		1.0	0.82
56-23-5	Carbon tetrachloride	18.6		1.0	0.21
108-90-7	Chlorobenzene	20.7		1.0	0.38
74-97-5	Chlorobromomethane	21.3		1.0	0.41
124-48-1	Chlorodibromomethane	16.4		1.0	0.28
75-00-3	Chloroethane	20.4		1.0	0.32
67-66-3	Chloroform	21.2		1.0	0.33
74-87-3	Chloromethane	17.1		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.9		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	19.4		1.0	0.22
110-82-7	Cyclohexane	22.0		1.0	0.32
75-27-4	Dichlorobromomethane	18.7		1.0	0.34
75-71-8	Dichlorodifluoromethane	16.6		1.0	0.31
100-41-4	Ethylbenzene	21.5		1.0	0.30
106-93-4	Ethylene Dibromide	20.5		1.0	0.50
98-82-8	Isopropylbenzene	21.6		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 MS Lab Sample ID: 460-199160-1 MS

Matrix: Water Lab File ID: TT1301.D

Analysis Method: 8260C Date Collected: 12/16/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 00:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	38.2		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.0		1.0	0.47
108-87-2	Methylcyclohexane	21.3		1.0	0.26
75-09-2	Methylene Chloride	19.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	21.4		1.0	0.30
95-47-6	o-Xylene	20.9		1.0	0.36
100-42-5	Styrene	20.4		1.0	0.42
127-18-4	Tetrachloroethene	22.5		1.0	0.25
108-88-3	Toluene	20.7		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.9		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.49
79-01-6	Trichloroethene	20.8		1.0	0.31
75-69-4	Trichlorofluoromethane	21.8		1.0	0.32
75-01-4	Vinyl chloride	19.2		1.0	0.17
107-06-2	1,2-Dichloroethane	20.5		1.0	0.43
95-50-1	1,2-Dichlorobenzene	20.9		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	4-Bromofluorobenzene	102		77-124
1868-53-7	Dibromofluoromethane (Surr)	106		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1301.D
Lims ID: 460-199160-B-1 MS
Client ID: MW-4
Sample Type: MS
Inject. Date: 27-Dec-2019 00:28:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199160-B-1 MS
Misc. Info.: 460-0103476-017
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 11:30:21 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: desais Date: 27-Dec-2019 06:54:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	99	83567	20.0	16.6	
6 Chloromethane	50	1.544	1.544	0.000	98	56885	20.0	17.1	
8 Butadiene	54	1.617	1.623	-0.006	78	52265	20.0	18.5	
7 Vinyl chloride	62	1.617	1.623	-0.006	98	66653	20.0	19.2	
9 Bromomethane	94	1.861	1.861	0.000	98	50029	20.0	20.6	
10 Chloroethane	64	1.916	1.922	-0.006	99	33176	20.0	20.4	
11 Dichlorofluoromethane	67	2.081	2.080	0.001	98	124605	20.0	21.2	
12 Trichlorofluoromethane	101	2.087	2.093	-0.006	98	114648	20.0	21.8	
13 Pentane	72	2.099	2.099	0.000	96	18136	40.0	37.7	
15 Ethyl ether	74	2.263	2.263	0.000	94	32210	20.0	20.1	
14 Ethanol	46	2.233	2.269	-0.036	59	8114	800.0	647.0	M
16 2-Methyl-1,3-butadiene	53	2.282	2.288	-0.006	93	41424	20.0	18.9	
17 1,2-Dichloro-1,1,2-trifluo	117	2.324	2.312	0.012	81	43199	20.0	14.9	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.367	2.367	0.000	94	71219	20.0	16.1	a
19 Acrolein	56	2.422	2.428	-0.006	94	15009	40.0	39.3	
20 1,1,2-Trichloro-1,2,2-trif	101	2.434	2.434	0.000	96	64893	20.0	22.7	
21 1,1-Dichloroethene	96	2.452	2.452	0.000	98	61792	20.0	21.4	
22 Acetone	43	2.526	2.525	0.001	87	57124	100.0	90.6	
23 Iodomethane	142	2.587	2.586	0.001	98	129934	20.0	22.5	
25 Isopropyl alcohol	45	2.605	2.605	0.000	31	23450	200.0	158.3	a
24 Carbon disulfide	76	2.617	2.617	0.000	99	210870	20.0	19.2	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	89	34839	20.0	20.2	
27 Methyl acetate	43	2.745	2.739	0.006	62	59282	40.0	38.2	
28 Cyclopentene	67	2.745	2.751	-0.006	92	125894	20.0	19.8	
29 Acetonitrile	40	2.794	2.800	-0.006	98	26458	200.0	186.1	
* 31 TBA-d9 (IS)	66	2.849	2.842	0.007	98	37745	1000.0	1000.0	
30 Methylene Chloride	84	2.849	2.848	0.001	85	67505	20.0	19.8	
32 2-Methyl-2-propanol	59	2.910	2.916	-0.006	97	45030	200.0	174.3	
33 Methyl tert-butyl ether	73	2.995	2.995	0.000	95	154986	20.0	21.0	
34 trans-1,2-Dichloroethene	96	3.013	3.013	0.000	93	64055	20.0	20.9	
35 Acrylonitrile	53	3.086	3.080	0.006	94	165897	200.0	202.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Hexane	57	3.154	3.159	-0.005	91	66410	20.0	21.3	
37 Isopropyl ether	45	3.355	3.361	-0.006	93	138777	20.0	19.8	
38 1,1-Dichloroethane	63	3.379	3.379	0.000	99	98200	20.0	20.8	
39 Vinyl acetate	86	3.397	3.397	0.000	99	20711	40.0	42.8	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	90	55644	20.0	21.9	
41 Tert-butyl ethyl ether	59	3.647	3.653	-0.006	90	155133	20.0	20.4	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	89	175522	250.0	250.0	
43 2,2-Dichloropropane	97	3.855	3.854	0.001	81	20576	20.0	19.7	a
44 cis-1,2-Dichloroethene	96	3.861	3.860	0.001	97	69701	20.0	20.9	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	98	27093	100.0	106.8	
46 Ethyl acetate	70	3.891	3.891	0.000	96	11289	40.0	40.8	
47 Methyl acrylate	55	3.934	3.934	0.000	99	38131	20.0	19.2	
48 Propionitrile	54	4.007	4.007	0.000	98	62540	200.0	189.4	
49 Chlorobromomethane	128	4.074	4.074	0.000	74	35451	20.0	21.3	
50 Tetrahydrofuran	72	4.074	4.080	-0.006	66	13370	40.0	43.3	
51 Methacrylonitrile	67	4.105	4.104	0.001	86	203889	200.0	216.3	
52 Chloroform	83	4.123	4.123	0.000	99	103855	20.0	21.2	
53 Cyclohexane	84	4.245	4.245	0.000	85	92768	20.0	22.0	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	97	97339	20.0	21.7	
$ 55 Dibromofluoromethane (Surr	113	4.269	4.269	0.000	97	127391	50.0	53.1	
56 Carbon tetrachloride	117	4.373	4.366	0.007	97	73779	20.0	18.6	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	98	77511	20.0	22.0	
58 Isobutyl alcohol	43	4.537	4.537	0.000	93	62825	500.0	402.6	a
59 Isooctane	57	4.562	4.562	0.000	98	178269	20.0	19.2	
60 Benzene	78	4.586	4.586	0.000	96	216484	20.0	20.9	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	137723	50.0	51.7	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	85	166297	20.0	20.1	
63 Isopropyl acetate	61	4.659	4.659	0.000	84	25180	20.0	19.6	
64 1,2-Dichloroethane	62	4.678	4.671	0.007	99	73602	20.0	20.5	
65 n-Heptane	100	4.739	4.738	0.001	86	14560	20.0	25.1	
* 66 Fluorobenzene	96	4.861	4.860	0.000	99	449158	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	87	25541	500.0	371.0	
68 Trichloroethene	95	5.202	5.196	0.006	96	55836	20.0	20.8	
69 Methylcyclohexane	83	5.318	5.317	0.001	92	100212	20.0	21.3	
70 Ethyl acrylate	99	5.324	5.330	-0.006	97	8297	20.0	22.4	
71 1,2-Dichloropropane	63	5.482	5.476	0.006	90	46602	20.0	20.0	
* 72 1,4-Dioxane-d8	96	5.537	5.543	-0.006	85	23248	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.567	0.001	81	27964	40.0	41.4	
75 1,4-Dioxane	88	5.592	5.592	0.000	43	11388	400.0	412.1	
74 Dibromomethane	93	5.598	5.598	0.000	96	34203	20.0	20.4	
76 n-Propyl acetate	43	5.629	5.622	0.007	96	47246	20.0	18.9	
77 Dichlorobromomethane	83	5.751	5.750	0.001	99	64382	20.0	18.7	
78 2-Nitropropane	41	6.086	6.080	0.006	92	12472	40.0	19.4	
80 Epichlorohydrin	57	6.183	6.189	-0.006	98	74832	400.0	347.2	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	78982	20.0	19.4	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	92	184037	100.0	103.6	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	99	428461	50.0	49.7	
84 Toluene	91	6.549	6.549	0.000	94	220555	20.0	20.7	
85 trans-1,3-Dichloropropene	75	6.897	6.896	0.001	94	70798	20.0	18.4	
86 Ethyl methacrylate	69	6.945	6.939	0.006	86	59993	20.0	18.8	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	37285	20.0	19.7	
88 Tetrachloroethene	166	7.134	7.134	0.000	96	59875	20.0	22.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
89 1,3-Dichloropropane	76	7.311	7.305	0.006	91	72539	20.0	19.3	
90 2-Hexanone	43	7.391	7.390	0.000	90	114122	100.0	100.4	
91 n-Butyl acetate	43	7.512	7.512	0.000	96	54450	20.0	18.3	
92 Chlorodibromomethane	129	7.531	7.530	0.001	97	42698	20.0	16.4	
93 Ethylene Dibromide	107	7.677	7.671	0.006	99	47735	20.0	20.5	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	86	335100	50.0	50.0	
95 Chlorobenzene	112	8.256	8.256	0.000	96	148143	20.0	20.7	
96 Ethylbenzene	106	8.366	8.366	0.000	98	83184	20.0	21.5	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	94	53181	20.0	18.4	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	95	103519	20.0	21.4	
99 o-Xylene	106	9.043	9.042	0.001	95	106525	20.0	20.9	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	41011	20.0	19.5	
101 Styrene	104	9.079	9.079	0.000	97	156494	20.0	20.4	
102 Bromoform	173	9.323	9.323	0.000	97	24257	20.0	14.3	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	94	73496	20.0	17.7	
104 Isopropylbenzene	105	9.488	9.487	0.001	95	277907	20.0	21.6	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	135249	50.0	50.9	
106 Bromobenzene	156	9.860	9.853	0.007	96	64703	20.0	20.2	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.932	0.001	97	58699	20.0	19.3	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	314644	20.0	21.6	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	18898	20.0	20.4	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	91	11667	20.0	15.1	
111 2-Chlorotoluene	91	10.067	10.067	0.000	96	217356	20.0	20.8	
112 4-Ethyltoluene	105	10.085	10.091	-0.006	98	269490	20.0	21.2	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	94	240611	20.0	21.7	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	213210	20.0	20.9	
115 Butyl Methacrylate	87	10.298	10.298	0.000	85	72780	20.0	18.1	
116 tert-Butylbenzene	119	10.481	10.481	0.000	93	191783	20.0	21.3	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	244459	20.0	21.0	
118 sec-Butylbenzene	105	10.695	10.694	0.001	99	298519	20.0	22.0	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	129595	20.0	21.4	
120 4-Isopropyltoluene	119	10.847	10.847	0.000	98	263031	20.0	22.0	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	182224	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	126314	20.0	21.2	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	246814	20.0	20.2	
124 Benzyl chloride	91	11.067	11.066	0.001	99	104629	20.0	13.8	
125 2,3-Dihydroindene	117	11.121	11.127	-0.006	95	232086	20.0	20.5	
126 p-Diethylbenzene	119	11.201	11.200	0.001	94	145892	20.0	21.1	
127 n-Butylbenzene	92	11.219	11.219	0.000	97	129588	20.0	21.8	
128 1,2-Dichlorobenzene	146	11.262	11.261	0.001	96	127464	20.0	20.9	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	268795	20.0	20.5	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.956	0.001	97	13043	20.0	16.6	
131 1,3,5-Trichlorobenzene	180	12.073	12.072	0.001	98	112186	20.0	21.5	
132 1,2,4-Trichlorobenzene	180	12.579	12.578	0.001	94	109345	20.0	21.2	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	94	43520	20.0	22.9	
134 Naphthalene	128	12.768	12.773	-0.005	99	273509	20.0	20.8	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	96	107133	20.0	21.1	
S 136 1,2-Dichloroethene, Total	100				0		40.0	41.9	
S 137 Xylenes, Total	100				0		40.0	42.4	
S 138 Total 1,2-dichloroethene	1				0			41.9	
S 139 1,3-Dichloropropene, Total	1				0		40.0	37.7	
S 140 Total BTEX	1				0		100.0	105.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 28-Dec-2019 11:30:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1301.D

Injection Date: 27-Dec-2019 00:28:30 Instrument ID: CVOAMS17

Lims ID: 460-199160-B-1 MS

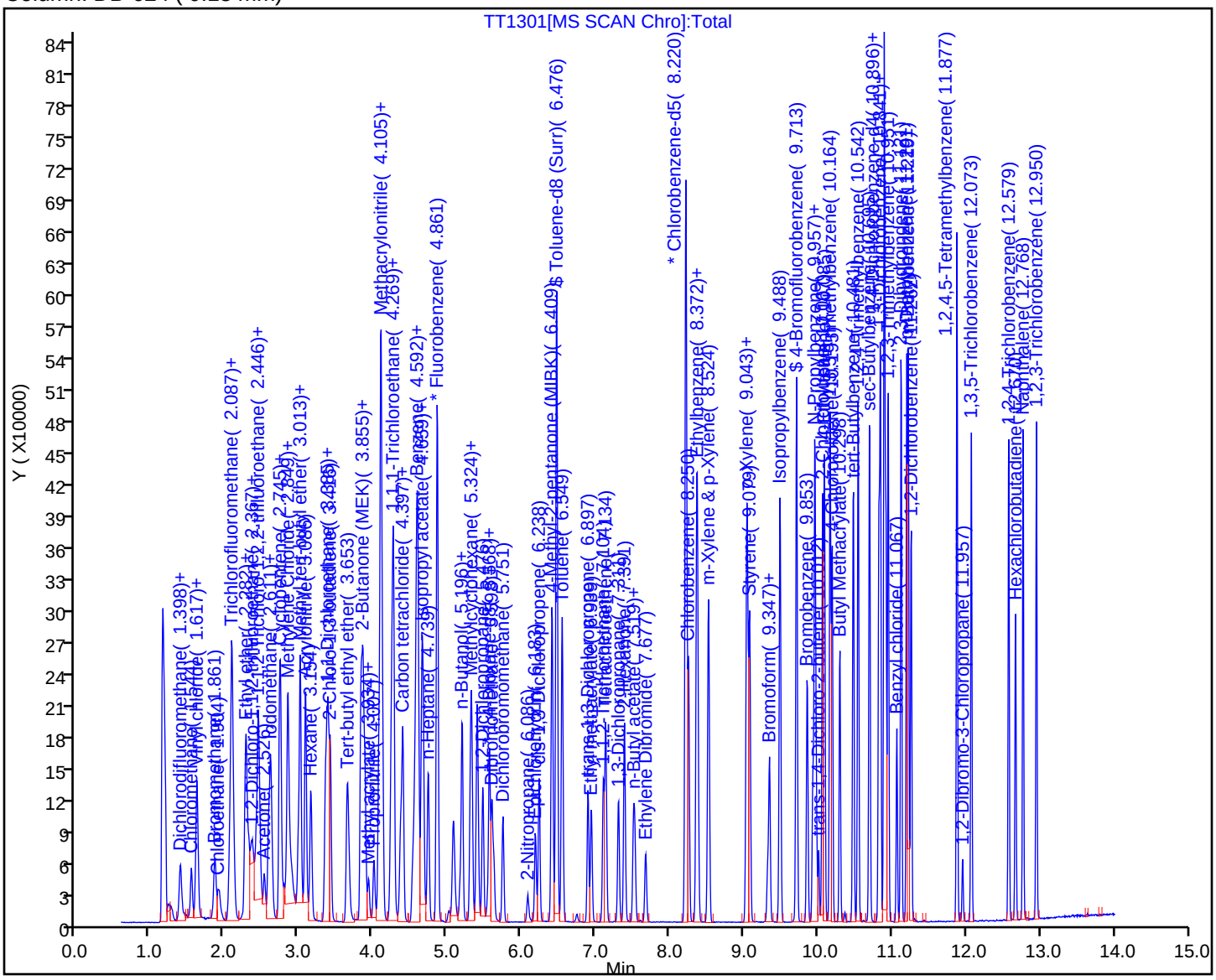
Client ID: MW-4

Operator ID: ALS Bottle#: 16 Worklist Smp#: 17

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: 240-124013-F-4 MS

Matrix: Water Lab File ID: TT11346.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 16:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.3		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	18.6		1.0	0.43
75-34-3	1,1-Dichloroethane	20.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.4		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	20.8		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	27.5		1.0	0.37
78-87-5	1,2-Dichloropropane	18.9		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.1		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.3		1.0	0.33
123-91-1	1,4-Dioxane	395		50	28
78-93-3	2-Butanone (MEK)	103		5.0	1.9
591-78-6	2-Hexanone	98.5		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	103		5.0	1.3
67-64-1	Acetone	94.8		5.0	4.4
71-43-2	Benzene	20.6		1.0	0.20
75-25-2	Bromoform	13.9		1.0	0.54
74-83-9	Bromomethane	20.1		1.0	0.55
75-15-0	Carbon disulfide	18.9		1.0	0.82
56-23-5	Carbon tetrachloride	18.3		1.0	0.21
108-90-7	Chlorobenzene	20.7		1.0	0.38
74-97-5	Chlorobromomethane	20.7		1.0	0.41
124-48-1	Chlorodibromomethane	15.9		1.0	0.28
75-00-3	Chloroethane	19.7		1.0	0.32
67-66-3	Chloroform	21.2		1.0	0.33
74-87-3	Chloromethane	17.0		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.3		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	17.3		1.0	0.22
110-82-7	Cyclohexane	19.8		1.0	0.32
75-27-4	Dichlorobromomethane	17.8		1.0	0.34
75-71-8	Dichlorodifluoromethane	15.3		1.0	0.31
100-41-4	Ethylbenzene	20.3		1.0	0.30
106-93-4	Ethylene Dibromide	20.3		1.0	0.50
98-82-8	Isopropylbenzene	21.2		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: 240-124013-F-4 MS

Matrix: Water Lab File ID: TT11346.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 16:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	37.2		5.0	0.79
1634-04-4	Methyl tert-butyl ether	19.7		1.0	0.47
108-87-2	Methylcyclohexane	18.3		1.0	0.26
75-09-2	Methylene Chloride	19.5		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	20.8		1.0	0.30
95-47-6	o-Xylene	20.4		1.0	0.36
100-42-5	Styrene	20.2		1.0	0.42
127-18-4	Tetrachloroethene	21.3		1.0	0.25
108-88-3	Toluene	19.5		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.5		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	16.6		1.0	0.49
79-01-6	Trichloroethene	20.0		1.0	0.31
75-69-4	Trichlorofluoromethane	20.5		1.0	0.32
75-01-4	Vinyl chloride	18.4		1.0	0.17
107-06-2	1,2-Dichloroethane	19.9		1.0	0.43
95-50-1	1,2-Dichlorobenzene	20.7		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	17.2		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	4-Bromofluorobenzene	102		77-124
1868-53-7	Dibromofluoromethane (Surr)	109		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11346.D
Lims ID: 240-124013-F-4 MS
Client ID: PMW-6S-G-19E-S
Sample Type: MS
Inject. Date: 27-Dec-2019 16:07:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-124013-F-4 MS
Misc. Info.: 460-0103504-029
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 12:04:39 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: parekhv Date: 27-Dec-2019 17:50:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.373	1.367	0.006	71	18131	20.0	15.9	
2 1,1-Difluoroethane	51	1.379	1.373	0.006	90	41348	20.0	16.9	
4 Dichlorodifluoromethane	85	1.404	1.398	0.006	99	76018	20.0	15.3	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	99	70435	20.0	19.6	
6 Chloromethane	50	1.550	1.550	0.000	99	55620	20.0	17.0	
8 Butadiene	54	1.623	1.617	0.006	86	51387	20.0	18.5	
7 Vinyl chloride	62	1.629	1.623	0.006	97	62966	20.0	18.4	
9 Bromomethane	94	1.873	1.861	0.012	97	47593	20.0	20.1	
10 Chloroethane	64	1.922	1.922	0.000	98	31176	20.0	19.7	
11 Dichlorofluoromethane	67	2.080	2.080	0.000	97	118502	20.0	20.4	
12 Trichlorofluoromethane	101	2.093	2.093	0.000	82	106136	20.0	20.5	
13 Pentane	72	2.099	2.093	0.006	94	15193	40.0	32.1	
14 Ethanol	46	2.276	2.257	0.019	63	4040	800.0	318.1	
15 Ethyl ether	74	2.269	2.269	0.000	93	30981	20.0	19.6	
16 2-Methyl-1,3-butadiene	53	2.282	2.288	-0.006	95	40393	20.0	18.8	
17 1,2-Dichloro-1,1,2-trifluo	117	2.318	2.318	0.000	86	53101	20.0	18.6	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.367	2.373	-0.006	95	82320	20.0	18.9	a
19 Acrolein	56	2.422	2.416	0.006	55	11440	40.0	29.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.434	2.440	-0.006	95	55665	20.0	19.8	a
21 1,1-Dichloroethene	96	2.458	2.458	0.000	97	61069	20.0	21.4	
22 Acetone	43	2.538	2.532	0.006	87	58235	100.0	94.8	
23 Iodomethane	142	2.593	2.593	0.000	98	123194	20.0	21.6	
25 Isopropyl alcohol	45	2.623	2.611	0.012	30	28212	200.0	188.8	a
24 Carbon disulfide	76	2.623	2.617	0.006	99	204498	20.0	18.9	
26 3-Chloro-1-propene	76	2.739	2.733	0.006	88	32448	20.0	19.1	
27 Methyl acetate	43	2.751	2.745	0.006	57	56759	40.0	37.2	
28 Cyclopentene	67	2.751	2.751	0.000	91	123888	20.0	19.8	
29 Acetonitrile	40	2.806	2.800	0.006	96	27018	200.0	195.1	
* 31 TBA-d9 (IS)	66	2.849	2.849	0.000	98	38091	1000.0	1000.0	
30 Methylene Chloride	84	2.849	2.849	0.000	85	65409	20.0	19.5	
32 2-Methyl-2-propanol	59	2.916	2.910	0.006	91	43992	200.0	168.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.001	3.001	0.000	96	143075	20.0	19.7	
34 trans-1,2-Dichloroethene	96	3.019	3.013	0.006	92	64911	20.0	21.5	
35 Acrylonitrile	53	3.092	3.086	0.006	96	169909	200.0	210.4	
36 Hexane	57	3.159	3.159	0.000	90	48824	20.0	15.9	
37 Isopropyl ether	45	3.361	3.361	0.000	91	134551	20.0	19.5	
38 1,1-Dichloroethane	63	3.385	3.385	0.000	99	96284	20.0	20.7	
39 Vinyl acetate	86	3.403	3.397	0.006	99	19300	40.0	40.9	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	89	53990	20.0	21.6	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	90	144692	20.0	19.3	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	90	171020	250.0	250.0	
43 2,2-Dichloropropane	97	3.854	3.848	0.006	78	18176	20.0	17.7	
44 cis-1,2-Dichloroethene	96	3.867	3.861	0.006	99	66702	20.0	20.3	
45 2-Butanone (MEK)	72	3.891	3.885	0.006	97	25463	100.0	103.0	
46 Ethyl acetate	70	3.891	3.891	0.000	97	10225	40.0	37.8	
47 Methyl acrylate	55	3.940	3.940	0.000	99	34116	20.0	17.4	
48 Propionitrile	54	4.013	4.007	0.006	98	60455	200.0	181.5	
49 Chlorobromomethane	128	4.074	4.074	0.000	75	34074	20.0	20.7	
50 Tetrahydrofuran	72	4.086	4.080	0.006	46	12119	40.0	40.3	
51 Methacrylonitrile	67	4.104	4.104	0.000	87	191322	200.0	206.1	
52 Chloroform	83	4.129	4.129	0.000	99	102006	20.0	21.2	
53 Cyclohexane	84	4.251	4.245	0.006	86	82482	20.0	19.8	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	96	94071	20.0	21.3	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	128641	50.0	54.5	
56 Carbon tetrachloride	117	4.373	4.373	0.000	96	71370	20.0	18.3	
57 1,1-Dichloropropene	75	4.403	4.397	0.006	98	73226	20.0	21.1	
58 Isobutyl alcohol	43	4.556	4.537	0.019	91	59393	500.0	377.1	
59 Isooctane	57	4.568	4.568	0.000	98	132330	20.0	14.5	
60 Benzene	78	4.586	4.586	0.000	97	204891	20.0	20.6	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	134991	50.0	51.5	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	87	164820	20.0	20.2	
63 Isopropyl acetate	61	4.665	4.659	0.006	83	24207	20.0	19.1	
64 1,2-Dichloroethane	62	4.677	4.677	0.000	99	70218	20.0	19.9	
65 n-Heptane	100	4.751	4.745	0.006	85	10773	20.0	18.8	
* 66 Fluorobenzene	96	4.866	4.860	0.006	99	442313	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	85	24331	500.0	350.2	
68 Trichloroethene	95	5.202	5.202	0.000	96	52710	20.0	20.0	
69 Methylcyclohexane	83	5.324	5.318	0.006	88	84880	20.0	18.3	
70 Ethyl acrylate	99	5.336	5.336	0.000	97	7437	20.0	20.4	
71 1,2-Dichloropropane	63	5.482	5.482	0.000	89	43233	20.0	18.9	
* 72 1,4-Dioxane-d8	96	5.549	5.549	0.000	84	23553	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	78	24727	40.0	37.2	
75 1,4-Dioxane	88	5.592	5.592	0.000	40	11067	400.0	395.3	
74 Dibromomethane	93	5.598	5.598	0.000	96	32065	20.0	19.4	
76 n-Propyl acetate	43	5.629	5.629	0.000	96	43544	20.0	17.7	
77 Dichlorobromomethane	83	5.750	5.750	0.000	99	60127	20.0	17.8	
78 2-Nitropropane	41	6.086	6.080	0.006	98	10815	40.0	17.1	
80 Epichlorohydrin	57	6.189	6.189	0.000	98	49780	400.0	237.0	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	89	67633	20.0	17.3	
82 4-Methyl-2-pentanone (MIBK	43	6.415	6.409	0.006	93	177774	100.0	102.7	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	407641	50.0	49.5	
84 Toluene	91	6.549	6.549	0.000	93	198765	20.0	19.5	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	94	61012	20.0	16.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.945	6.939	0.006	85	56933	20.0	18.6	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	33811	20.0	18.6	
88 Tetrachloroethene	166	7.140	7.140	0.000	95	54311	20.0	21.3	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	91	67432	20.0	18.8	
90 2-Hexanone	43	7.390	7.390	0.000	92	109004	100.0	98.5	
91 n-Butyl acetate	43	7.512	7.512	0.000	95	49851	20.0	17.5	
92 Chlorodibromomethane	129	7.524	7.531	-0.007	97	39537	20.0	15.9	
93 Ethylene Dibromide	107	7.677	7.677	0.000	98	45278	20.0	20.3	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	87	320581	50.0	50.0	
95 Chlorobenzene	112	8.256	8.256	0.000	97	141563	20.0	20.7	
96 Ethylbenzene	106	8.366	8.366	0.000	98	75219	20.0	20.3	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	94	51052	20.0	18.5	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	95	96279	20.0	20.8	
99 o-Xylene	106	9.042	9.042	0.000	94	99478	20.0	20.4	
100 n-Butyl acrylate	73	9.055	9.055	0.000	97	38514	20.0	19.2	
101 Styrene	104	9.079	9.079	0.000	95	148176	20.0	20.2	
102 Bromoform	173	9.323	9.323	0.000	97	22533	20.0	13.9	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	66042	20.0	16.5	
104 Isopropylbenzene	105	9.488	9.488	0.000	95	260548	20.0	21.2	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	129130	50.0	50.8	
106 Bromobenzene	156	9.859	9.859	0.000	95	60957	20.0	19.7	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	97	56246	20.0	19.2	
108 N-Propylbenzene	91	9.957	9.957	0.000	100	292414	20.0	20.8	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	18200	20.0	20.3	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.006	0.006	92	9171	20.0	12.3	
111 2-Chlorotoluene	91	10.067	10.067	0.000	96	203642	20.0	20.2	
112 4-Ethyltoluene	105	10.091	10.091	0.000	98	250500	20.0	20.4	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	93	221795	20.0	20.7	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	197958	20.0	20.1	
115 Butyl Methacrylate	87	10.298	10.298	0.000	86	69241	20.0	17.9	
116 tert-Butylbenzene	119	10.481	10.481	0.000	93	177819	20.0	20.5	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	98	227299	20.0	20.3	
118 sec-Butylbenzene	105	10.701	10.695	0.006	99	276843	20.0	21.1	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	123541	20.0	21.1	
120 4-Isopropyltoluene	119	10.847	10.847	0.000	98	247261	20.0	21.4	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	175760	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	122159	20.0	21.3	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	234216	20.0	19.8	
124 Benzyl chloride	91	11.066	11.066	0.000	99	84192	20.0	11.5	
125 2,3-Dihydroindene	117	11.127	11.127	0.000	94	216351	20.0	19.9	
126 p-Diethylbenzene	119	11.201	11.201	0.000	93	132664	20.0	19.9	
127 n-Butylbenzene	92	11.219	11.219	0.000	97	124009	20.0	21.7	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	96	122114	20.0	20.7	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	242675	20.0	19.2	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	95	13040	20.0	17.2	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	98	101968	20.0	20.2	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	95	136747	20.0	27.5	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	94	38622	20.0	21.0	
134 Naphthalene	128	12.767	12.767	0.000	99	256149	20.0	20.2	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	96	102230	20.0	20.8	
S 136 1,2-Dichloroethene, Total	100				0		40.0	41.9	
S 137 Xylenes, Total	100				0		40.0	41.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Total 1,2-dichloroethene	1				0			41.9	
S 139 1,3-Dichloropropene, Total	1				0		40.0	33.9	
S 140 Total BTEX	1				0		100.0	101.7	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00347	Amount Added:	20.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 28-Dec-2019 12:04:41 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11346.D

Injection Date: 27-Dec-2019 16:07:30 Instrument ID: CVOAMS17

Lims ID: 240-124013-F-4 MS

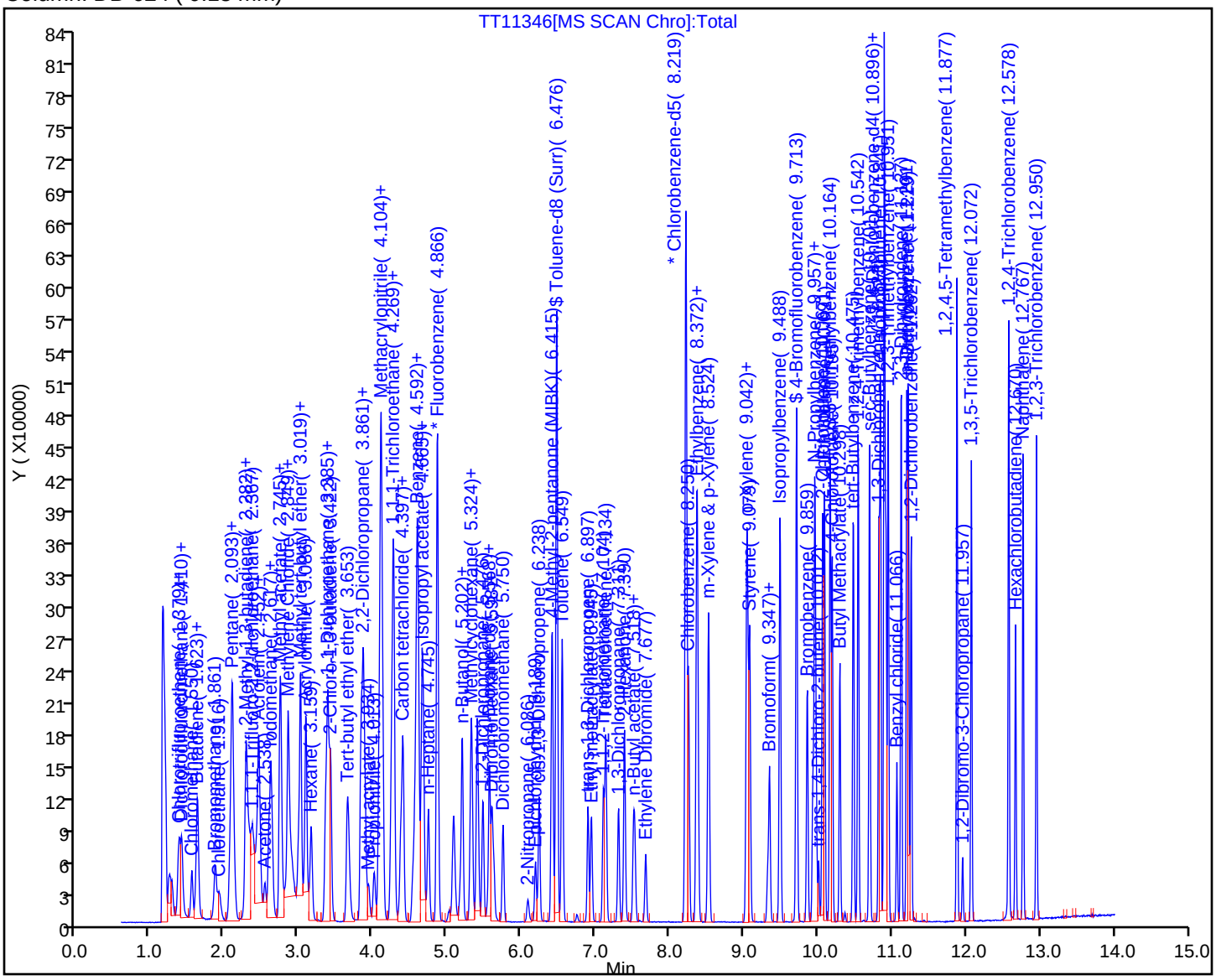
Client ID: PMW-6S-G-19E-S

Operator ID: ALS Bottle#: 28 Worklist Smp#: 29

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

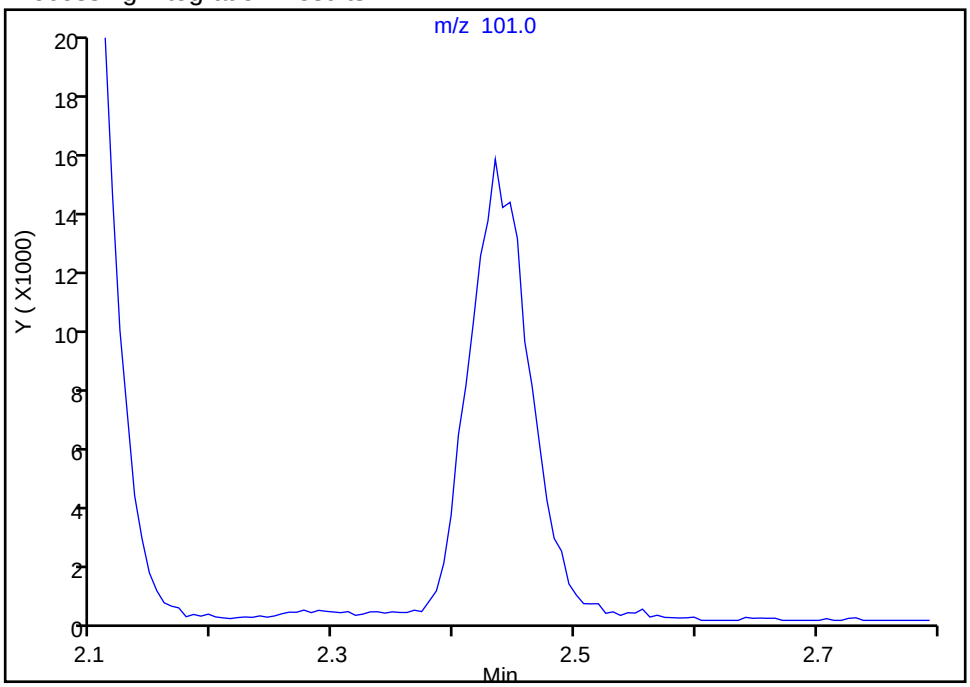
Data File:	\\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11346.D				
Injection Date:	27-Dec-2019 16:07:30	Instrument ID:	CVOAMS17		
Lims ID:	240-124013-F-4 MS				
Client ID:	PMW-6S-G-19E-S				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

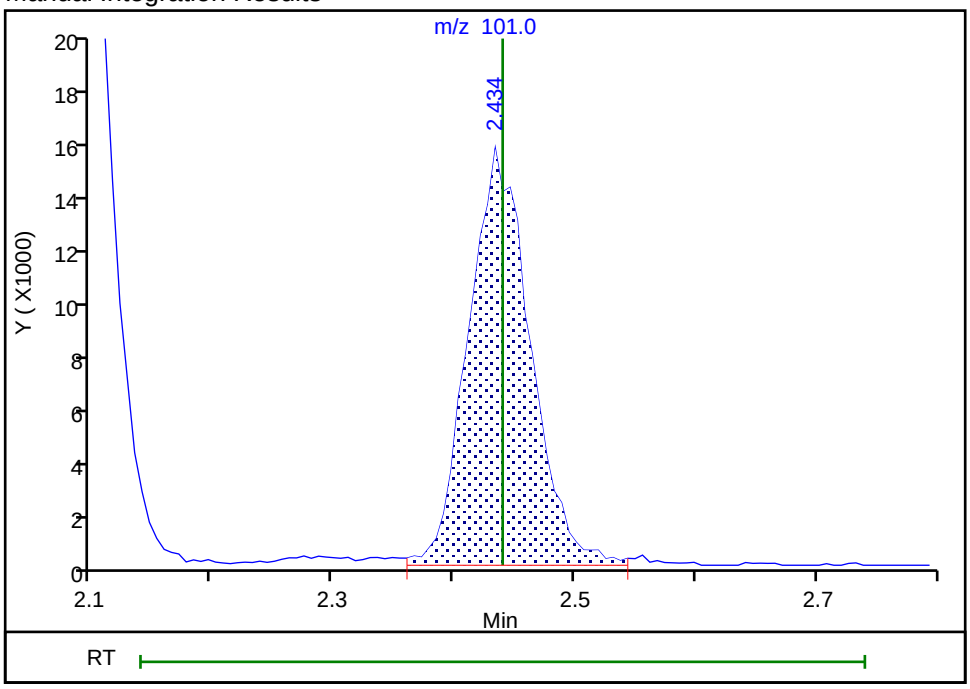
Not Detected
Expected RT: 2.44

Processing Integration Results



Manual Integration Results

RT: 2.43
Area: 55665
Amount: 19.772961
Amount Units: ug/l



Reviewer: parekhv, 27-Dec-2019 17:50:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 MSD Lab Sample ID: 460-199160-1 MSD

Matrix: Water Lab File ID: TT1302.D

Analysis Method: 8260C Date Collected: 12/16/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 00:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.2		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	19.3		1.0	0.43
75-34-3	1,1-Dichloroethane	20.0		1.0	0.26
75-35-4	1,1-Dichloroethene	20.5		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	21.9		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	22.0		1.0	0.37
78-87-5	1,2-Dichloropropane	20.3		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.6		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.3		1.0	0.33
123-91-1	1,4-Dioxane	435		50	28
78-93-3	2-Butanone (MEK)	108		5.0	1.9
591-78-6	2-Hexanone	104		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	106		5.0	1.3
67-64-1	Acetone	94.7		5.0	4.4
71-43-2	Benzene	20.4		1.0	0.20
75-25-2	Bromoform	14.1		1.0	0.54
74-83-9	Bromomethane	20.5		1.0	0.55
75-15-0	Carbon disulfide	18.3		1.0	0.82
56-23-5	Carbon tetrachloride	17.8		1.0	0.21
108-90-7	Chlorobenzene	20.7		1.0	0.38
74-97-5	Chlorobromomethane	21.3		1.0	0.41
124-48-1	Chlorodibromomethane	16.6		1.0	0.28
75-00-3	Chloroethane	20.8		1.0	0.32
67-66-3	Chloroform	20.6		1.0	0.33
74-87-3	Chloromethane	17.3		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	19.1		1.0	0.22
110-82-7	Cyclohexane	20.8		1.0	0.32
75-27-4	Dichlorobromomethane	18.8		1.0	0.34
75-71-8	Dichlorodifluoromethane	16.5		1.0	0.31
100-41-4	Ethylbenzene	21.3		1.0	0.30
106-93-4	Ethylene Dibromide	20.8		1.0	0.50
98-82-8	Isopropylbenzene	21.5		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 MSD Lab Sample ID: 460-199160-1 MSD

Matrix: Water Lab File ID: TT1302.D

Analysis Method: 8260C Date Collected: 12/16/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 00:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665200 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	38.8		5.0	0.79
1634-04-4	Methyl tert-butyl ether	20.8		1.0	0.47
108-87-2	Methylcyclohexane	21.0		1.0	0.26
75-09-2	Methylene Chloride	19.9		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	20.5		1.0	0.30
95-47-6	o-Xylene	20.4		1.0	0.36
100-42-5	Styrene	20.2		1.0	0.42
127-18-4	Tetrachloroethene	21.7		1.0	0.25
108-88-3	Toluene	20.1		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.5		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.7		1.0	0.49
79-01-6	Trichloroethene	20.7		1.0	0.31
75-69-4	Trichlorofluoromethane	21.1		1.0	0.32
75-01-4	Vinyl chloride	18.6		1.0	0.17
107-06-2	1,2-Dichloroethane	20.9		1.0	0.43
95-50-1	1,2-Dichlorobenzene	21.0		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	106		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1302.D
Lims ID: 460-199160-B-1 MSD
Client ID: MW-4
Sample Type: MSD
Inject. Date: 27-Dec-2019 00:49:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-199160-B-1 MSD
Misc. Info.: 460-0103476-018
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 11:31:38 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: desais Date: 27-Dec-2019 06:55:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	99	78935	20.0	16.5	
5 Chlorodifluoromethane	51	1.416	1.416	0.000	28	4155	20.0	1.19	
6 Chloromethane	50	1.544	1.544	0.000	99	54734	20.0	17.3	
8 Butadiene	54	1.617	1.623	-0.006	77	48827	20.0	18.2	
7 Vinyl chloride	62	1.617	1.623	-0.006	97	61441	20.0	18.6	
9 Bromomethane	94	1.867	1.861	0.006	97	46982	20.0	20.5	
10 Chloroethane	64	1.922	1.922	0.000	99	31858	20.0	20.8	
11 Dichlorofluoromethane	67	2.074	2.080	-0.006	98	114299	20.0	20.4	
12 Trichlorofluoromethane	101	2.087	2.093	-0.006	85	105583	20.0	21.1	
13 Pentane	72	2.099	2.099	0.000	94	17403	40.0	38.0	
15 Ethyl ether	74	2.269	2.263	0.006	92	30512	20.0	19.9	
14 Ethanol	46	2.263	2.269	-0.006	59	9332	800.0	874.5	M
16 2-Methyl-1,3-butadiene	53	2.288	2.288	0.000	95	39380	20.0	18.9	
17 1,2-Dichloro-1,1,2-trifluo	117	2.318	2.312	0.006	87	42311	20.0	15.3	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.367	0.006	95	64357	20.0	15.2	a
19 Acrolein	56	2.422	2.428	-0.006	92	14631	40.0	44.9	
20 1,1,2-Trichloro-1,2,2-trif	101	2.434	2.434	0.000	97	59964	20.0	22.0	
21 1,1-Dichloroethene	96	2.452	2.452	0.000	97	56551	20.0	20.5	
22 Acetone	43	2.532	2.525	0.007	87	56240	100.0	94.7	
23 Iodomethane	142	2.593	2.586	0.007	98	120973	20.0	22.0	
25 Isopropyl alcohol	45	2.617	2.605	0.012	32	24805	200.0	196.4	a
24 Carbon disulfide	76	2.617	2.617	0.000	99	191324	20.0	18.3	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	88	32023	20.0	19.5	
27 Methyl acetate	43	2.745	2.739	0.006	96	57304	40.0	38.8	
28 Cyclopentene	67	2.751	2.751	0.000	94	115057	20.0	19.0	
29 Acetonitrile	40	2.800	2.800	0.000	98	29517	200.0	220.5	
* 31 TBA-d9 (IS)	66	2.842	2.842	0.000	100	32195	1000.0	1000.0	
30 Methylene Chloride	84	2.849	2.848	0.001	84	64600	20.0	19.9	
32 2-Methyl-2-propanol	59	2.903	2.916	-0.013	96	43214	200.0	196.1	
33 Methyl tert-butyl ether	73	3.001	2.995	0.006	95	146131	20.0	20.8	
34 trans-1,2-Dichloroethene	96	3.013	3.013	0.000	93	59882	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Acrylonitrile	53	3.086	3.080	0.006	96	165780	200.0	212.3	
36 Hexane	57	3.160	3.159	0.001	90	56345	20.0	19.0	
37 Isopropyl ether	45	3.355	3.361	-0.006	94	132544	20.0	19.9	
38 1,1-Dichloroethane	63	3.379	3.379	0.000	99	90101	20.0	20.0	
39 Vinyl acetate	86	3.397	3.397	0.000	99	20881	40.0	45.7	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	90	50655	20.0	21.0	
41 Tert-butyl ethyl ether	59	3.653	3.653	0.000	91	145183	20.0	20.1	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	91	165431	250.0	250.0	
43 2,2-Dichloropropane	97	3.842	3.854	-0.012	81	19418	20.0	19.6	
44 cis-1,2-Dichloroethene	96	3.867	3.860	0.007	98	65303	20.0	20.6	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	97	25725	100.0	107.6	
46 Ethyl acetate	70	3.891	3.891	0.000	96	10995	40.0	42.1	
47 Methyl acrylate	55	3.934	3.934	0.000	99	35006	20.0	18.5	
48 Propionitrile	54	4.013	4.007	0.006	98	60148	200.0	213.6	
49 Chlorobromomethane	128	4.074	4.074	0.000	72	33838	20.0	21.3	
50 Tetrahydrofuran	72	4.080	4.080	0.000	50	12952	40.0	44.5	
51 Methacrylonitrile	67	4.104	4.104	0.000	87	195172	200.0	217.4	
52 Chloroform	83	4.123	4.123	0.000	99	95831	20.0	20.6	
53 Cyclohexane	84	4.245	4.245	0.000	86	83658	20.0	20.8	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	97	90526	20.0	21.2	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.269	0.006	97	120471	50.0	52.8	
56 Carbon tetrachloride	117	4.373	4.366	0.007	97	67163	20.0	17.8	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	98	71534	20.0	21.4	
58 Isobutyl alcohol	43	4.531	4.537	-0.006	91	70253	500.0	527.8	a
59 Isooctane	57	4.568	4.562	0.006	98	162272	20.0	18.3	
60 Benzene	78	4.586	4.586	0.000	96	202896	20.0	20.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	95	131030	50.0	51.7	
62 Tert-amyl methyl ether	73	4.659	4.659	0.000	83	161509	20.0	20.5	
63 Isopropyl acetate	61	4.659	4.659	0.000	84	24107	20.0	19.7	
64 1,2-Dichloroethane	62	4.671	4.671	0.000	99	71273	20.0	20.9	
65 n-Heptane	100	4.738	4.738	0.000	83	12822	20.0	23.2	
* 66 Fluorobenzene	96	4.866	4.860	0.006	99	427719	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	84	26253	500.0	447.1	
68 Trichloroethene	95	5.202	5.196	0.006	97	52889	20.0	20.7	
69 Methylcyclohexane	83	5.318	5.317	0.001	90	93894	20.0	21.0	
70 Ethyl acrylate	99	5.330	5.330	0.000	98	8697	20.0	24.7	
71 1,2-Dichloropropane	63	5.476	5.476	0.000	90	45032	20.0	20.3	
* 72 1,4-Dioxane-d8	96	5.543	5.543	0.000	86	22638	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.567	0.001	79	27626	40.0	43.0	
75 1,4-Dioxane	88	5.598	5.592	0.006	40	11714	400.0	435.4	
74 Dibromomethane	93	5.598	5.598	0.000	95	33414	20.0	20.9	
76 n-Propyl acetate	43	5.629	5.622	0.007	96	46329	20.0	19.5	
77 Dichlorobromomethane	83	5.750	5.750	0.000	98	61588	20.0	18.8	
78 2-Nitropropane	41	6.086	6.080	0.006	99	11420	40.0	18.6	
80 Epichlorohydrin	57	6.189	6.189	0.000	98	69802	400.0	343.6	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	75033	20.0	19.1	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	93	178294	100.0	106.5	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	408357	50.0	49.4	
84 Toluene	91	6.549	6.549	0.000	94	205110	20.0	20.1	
85 trans-1,3-Dichloropropene	75	6.897	6.896	0.001	94	68957	20.0	18.7	
86 Ethyl methacrylate	69	6.945	6.939	0.006	84	57044	20.0	18.6	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	35122	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	7.134	7.134	0.000	95	55513	20.0	21.7	
89 1,3-Dichloropropane	76	7.311	7.305	0.006	91	71001	20.0	19.7	
90 2-Hexanone	43	7.390	7.390	0.000	91	111268	100.0	103.9	
91 n-Butyl acetate	43	7.512	7.512	0.000	95	52488	20.0	18.3	
92 Chlorodibromomethane	129	7.531	7.530	0.001	97	41527	20.0	16.6	
93 Ethylene Dibromide	107	7.677	7.671	0.006	99	46667	20.0	20.8	
* 94 Chlorobenzene-d5	117	8.219	8.219	0.000	85	321770	50.0	50.0	
95 Chlorobenzene	112	8.256	8.256	0.000	96	142153	20.0	20.7	
96 Ethylbenzene	106	8.366	8.366	0.000	98	79091	20.0	21.3	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	93	50811	20.0	18.3	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	95056	20.0	20.5	
99 o-Xylene	106	9.043	9.042	0.000	94	99898	20.0	20.4	
100 n-Butyl acrylate	73	9.055	9.055	0.000	97	37906	20.0	18.8	
101 Styrene	104	9.079	9.079	0.000	96	148274	20.0	20.2	
102 Bromoform	173	9.323	9.323	0.000	97	22931	20.0	14.1	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	68343	20.0	17.4	
104 Isopropylbenzene	105	9.488	9.487	0.001	96	265322	20.0	21.5	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	131692	50.0	51.6	
106 Bromobenzene	156	9.859	9.853	0.006	95	62166	20.0	20.5	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.932	0.001	97	59466	20.0	20.7	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	292520	20.0	21.2	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	18368	20.0	20.9	
110 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	91	11560	20.0	15.8	
111 2-Chlorotoluene	91	10.067	10.067	0.000	96	205894	20.0	20.9	
112 4-Ethyltoluene	105	10.091	10.091	0.000	98	250877	20.0	20.8	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	94	227810	20.0	21.7	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	199330	20.0	20.7	
115 Butyl Methacrylate	87	10.298	10.298	0.000	86	73579	20.0	19.3	
116 tert-Butylbenzene	119	10.481	10.481	0.000	93	180254	20.0	21.1	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	231329	20.0	21.0	
118 sec-Butylbenzene	105	10.701	10.694	0.007	99	281134	20.0	21.9	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	95	118149	20.0	20.6	
120 4-Isopropyltoluene	119	10.847	10.847	0.000	98	251749	20.0	22.3	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	172338	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	119700	20.0	21.3	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	238972	20.0	20.6	
124 Benzyl chloride	91	11.066	11.066	0.000	99	101576	20.0	14.1	
125 2,3-Dihydroindene	117	11.121	11.127	-0.006	94	223646	20.0	20.9	
126 p-Diethylbenzene	119	11.201	11.200	0.001	94	135059	20.0	20.7	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	123090	20.0	21.9	
128 1,2-Dichlorobenzene	146	11.262	11.261	0.001	96	121039	20.0	21.0	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	98	251805	20.0	20.3	
130 1,2-Dibromo-3-Chloropropan	157	11.950	11.956	-0.006	95	13643	20.0	18.4	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	98	105505	20.0	21.3	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	107415	20.0	22.0	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	95	41602	20.0	23.1	
134 Naphthalene	128	12.767	12.773	-0.006	99	269438	20.0	21.7	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	95	105085	20.0	21.9	
S 136 1,2-Dichloroethene, Total	100				0		40.0	41.1	
S 137 Xylenes, Total	100				0		40.0	40.9	
S 138 Total 1,2-dichloroethene	1				0			41.1	
S 139 1,3-Dichloropropene, Total	1				0		40.0	37.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 140 Total BTEX	1				0		100.0	102.6	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
GASES Li_00347	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 28-Dec-2019 11:31:41 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191226-103476.b\TT1302.D

Injection Date: 27-Dec-2019 00:49:30 Instrument ID: CVOAMS17

Lims ID: 460-199160-B-1 MSD

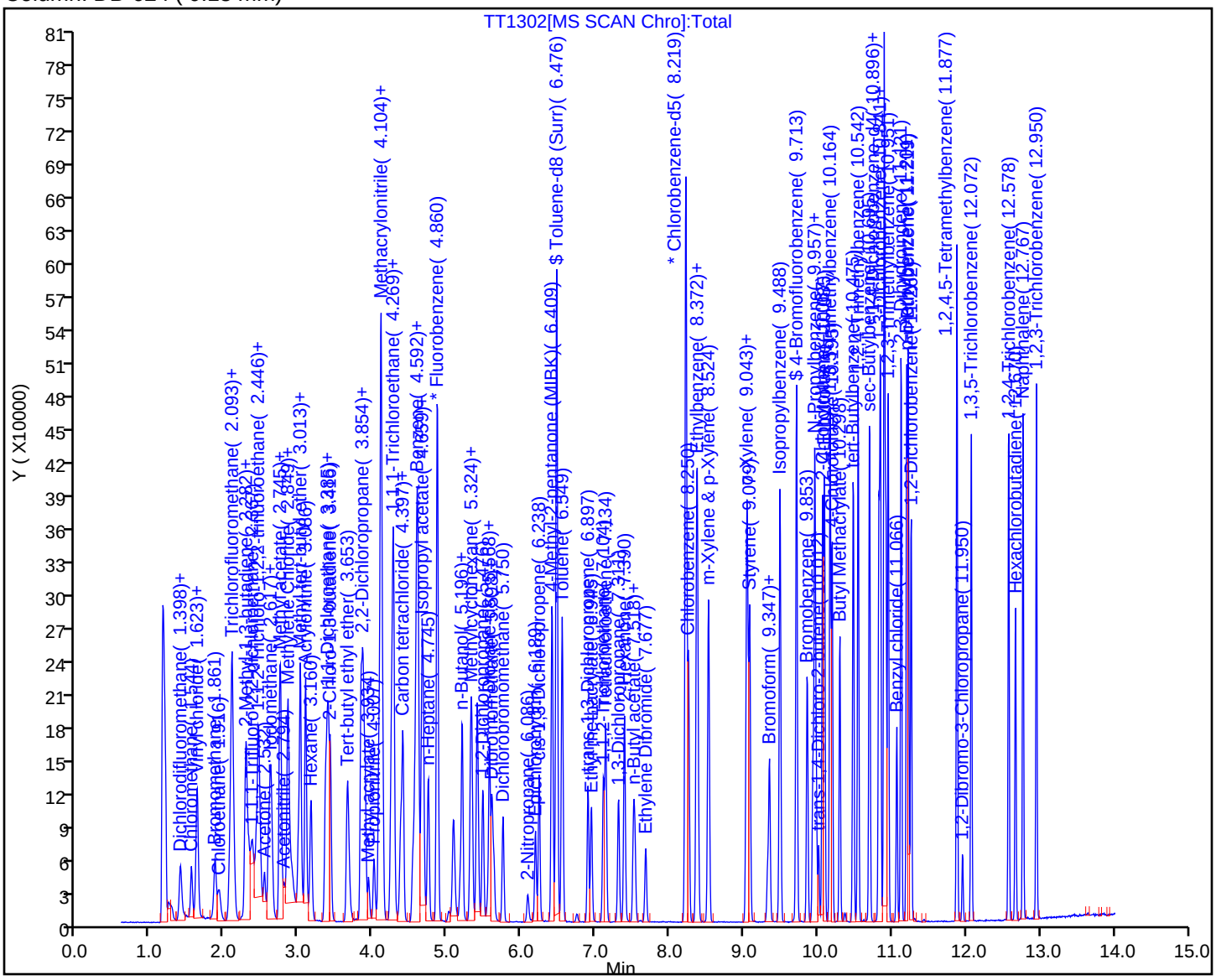
Client ID: MW-4

Operator ID: ALS Bottle#: 17 Worklist Smp#: 18

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: 240-124013-H-4 MSD

Matrix: Water Lab File ID: TT11347.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 16:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.0		1.0	0.43
75-34-3	1,1-Dichloroethane	21.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.7		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	22.2		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	25.6		1.0	0.37
78-87-5	1,2-Dichloropropane	20.9		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.6		1.0	0.34
106-46-7	1,4-Dichlorobenzene	22.0		1.0	0.33
123-91-1	1,4-Dioxane	466		50	28
78-93-3	2-Butanone (MEK)	113		5.0	1.9
591-78-6	2-Hexanone	111		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	112		5.0	1.3
67-64-1	Acetone	103		5.0	4.4
71-43-2	Benzene	21.1		1.0	0.20
75-25-2	Bromoform	15.2		1.0	0.54
74-83-9	Bromomethane	22.2		1.0	0.55
75-15-0	Carbon disulfide	20.1		1.0	0.82
56-23-5	Carbon tetrachloride	19.1		1.0	0.21
108-90-7	Chlorobenzene	21.3		1.0	0.38
74-97-5	Chlorobromomethane	22.1		1.0	0.41
124-48-1	Chlorodibromomethane	17.0		1.0	0.28
75-00-3	Chloroethane	21.7		1.0	0.32
67-66-3	Chloroform	22.2		1.0	0.33
74-87-3	Chloromethane	18.2		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.4		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.4		1.0	0.22
110-82-7	Cyclohexane	20.3		1.0	0.32
75-27-4	Dichlorobromomethane	19.0		1.0	0.34
75-71-8	Dichlorodifluoromethane	16.2		1.0	0.31
100-41-4	Ethylbenzene	21.6		1.0	0.30
106-93-4	Ethylene Dibromide	21.1		1.0	0.50
98-82-8	Isopropylbenzene	21.9		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: Lab Sample ID: 240-124013-H-4 MSD

Matrix: Water Lab File ID: TT11347.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/27/2019 16:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 665310 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	36.8		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.3		1.0	0.47
108-87-2	Methylcyclohexane	19.4		1.0	0.26
75-09-2	Methylene Chloride	20.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	21.7		1.0	0.30
95-47-6	o-Xylene	21.0		1.0	0.36
100-42-5	Styrene	21.1		1.0	0.42
127-18-4	Tetrachloroethene	22.4		1.0	0.25
108-88-3	Toluene	21.0		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	22.1		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.1		1.0	0.49
79-01-6	Trichloroethene	22.1		1.0	0.31
75-69-4	Trichlorofluoromethane	21.6		1.0	0.32
75-01-4	Vinyl chloride	19.3		1.0	0.17
107-06-2	1,2-Dichloroethane	21.1		1.0	0.43
95-50-1	1,2-Dichlorobenzene	21.7		1.0	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	107		72-131
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11347.D
Lims ID: 240-124013-H-4 MSD
Client ID: PMW-6S-G-19E-S
Sample Type: MSD
Inject. Date: 27-Dec-2019 16:27:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-124013-H-4 MSD
Misc. Info.: 460-0103504-030
Operator ID: Instrument ID: CVOAMS17

Method: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\8260W_17.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Dec-2019 12:05:24 Calib Date: 21-Dec-2019 13:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS17\20191221-103229.b\TT0996.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX0330

First Level Reviewer: parekhv Date: 27-Dec-2019 17:51:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.367	1.367	0.000	65	17467	20.0	16.5	
2 1,1-Difluoroethane	51	1.367	1.373	-0.006	92	39672	20.0	17.5	
4 Dichlorodifluoromethane	85	1.398	1.398	0.000	98	74604	20.0	16.2	
5 Chlorodifluoromethane	51	1.410	1.416	-0.006	99	66682	20.0	20.0	
6 Chloromethane	50	1.544	1.550	-0.006	98	55272	20.0	18.2	
8 Butadiene	54	1.617	1.617	0.000	75	49701	20.0	19.3	
7 Vinyl chloride	62	1.617	1.623	-0.006	98	61159	20.0	19.3	
9 Bromomethane	94	1.861	1.861	0.000	97	48509	20.0	22.2	
10 Chloroethane	64	1.916	1.922	-0.006	99	31662	20.0	21.7	
11 Dichlorofluoromethane	67	2.080	2.080	0.000	98	117869	20.0	21.9	
12 Trichlorofluoromethane	101	2.087	2.093	-0.006	81	103353	20.0	21.6	
13 Pentane	72	2.093	2.093	0.000	93	14114	40.0	32.2	
14 Ethanol	46	2.257	2.257	0.000	69	3725	800.0	329.5	
15 Ethyl ether	74	2.263	2.269	-0.006	93	30120	20.0	20.5	
16 2-Methyl-1,3-butadiene	53	2.282	2.288	-0.006	94	38213	20.0	19.2	
17 1,2-Dichloro-1,1,2-trifluo	117	2.318	2.318	0.000	84	52186	20.0	19.7	
18 1,1,1-Trifluoro-2,2-dichlo	83	2.373	2.373	0.000	94	79271	20.0	19.6	a
19 Acrolein	56	2.422	2.416	0.006	55	10709	40.0	31.2	
20 1,1,2-Trichloro-1,2,2-trif	101	2.434	2.440	-0.006	95	53412	20.0	20.5	
21 1,1-Dichloroethene	96	2.452	2.458	-0.006	97	57211	20.0	21.7	
22 Acetone	43	2.532	2.532	0.000	89	58509	100.0	103.3	
23 Iodomethane	142	2.586	2.593	-0.006	98	120826	20.0	22.9	
25 Isopropyl alcohol	45	2.623	2.611	0.012	30	28065	200.0	210.9	a
24 Carbon disulfide	76	2.617	2.617	0.000	99	201105	20.0	20.1	
26 3-Chloro-1-propene	76	2.733	2.733	0.000	87	31928	20.0	20.3	
27 Methyl acetate	43	2.745	2.745	0.000	58	52044	40.0	36.8	
28 Cyclopentene	67	2.751	2.751	0.000	94	118342	20.0	20.4	
29 Acetonitrile	40	2.800	2.800	0.000	96	28876	200.0	226.3	
* 31 TBA-d9 (IS)	66	2.843	2.849	-0.006	98	33917	1000.0	1000.0	
30 Methylene Chloride	84	2.849	2.849	0.000	83	64498	20.0	20.8	
32 2-Methyl-2-propanol	59	2.910	2.910	0.000	94	42772	200.0	184.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.995	3.001	-0.006	96	143596	20.0	21.3	
34 trans-1,2-Dichloroethene	96	3.013	3.013	0.000	92	61736	20.0	22.1	
35 Acrylonitrile	53	3.086	3.086	0.000	95	160623	200.0	214.7	
36 Hexane	57	3.160	3.159	0.001	89	48166	20.0	16.9	
37 Isopropyl ether	45	3.355	3.361	-0.006	92	129633	20.0	20.3	
38 1,1-Dichloroethane	63	3.379	3.385	-0.006	99	93648	20.0	21.7	
39 Vinyl acetate	86	3.397	3.397	0.000	99	19407	40.0	44.6	
40 2-Chloro-1,3-butadiene	88	3.422	3.422	0.000	90	52087	20.0	22.5	
41 Tert-butyl ethyl ether	59	3.647	3.653	-0.006	90	141422	20.0	20.4	
* 42 2-Butanone-d5	46	3.830	3.836	-0.006	98	157745	250.0	250.0	
43 2,2-Dichloropropane	97	3.848	3.848	0.000	94	17930	20.0	18.9	
44 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	98	64903	20.0	21.4	
45 2-Butanone (MEK)	72	3.885	3.885	0.000	98	25758	100.0	113.0	
46 Ethyl acetate	70	3.885	3.891	-0.006	96	10542	40.0	42.4	
47 Methyl acrylate	55	3.934	3.940	-0.006	99	34161	20.0	18.9	
48 Propionitrile	54	4.007	4.007	0.000	98	59114	200.0	199.3	
49 Chlorobromomethane	128	4.074	4.074	0.000	74	33594	20.0	22.1	
50 Tetrahydrofuran	72	4.074	4.080	-0.006	61	12058	40.0	43.5	
51 Methacrylonitrile	67	4.098	4.104	-0.006	87	189629	200.0	220.4	
52 Chloroform	83	4.123	4.129	-0.006	99	99336	20.0	22.2	
53 Cyclohexane	84	4.245	4.245	0.000	87	78175	20.0	20.3	
54 1,1,1-Trichloroethane	97	4.263	4.263	0.000	96	91824	20.0	22.4	
$ 55 Dibromofluoromethane (Surr	113	4.275	4.275	0.000	97	117166	50.0	53.6	
56 Carbon tetrachloride	117	4.373	4.373	0.000	97	69296	20.0	19.1	
57 1,1-Dichloropropene	75	4.397	4.397	0.000	98	70357	20.0	21.9	
58 Isobutyl alcohol	43	4.531	4.537	-0.006	89	55449	500.0	395.4	a
59 Isooctane	57	4.562	4.568	-0.006	98	123679	20.0	14.6	
60 Benzene	78	4.586	4.586	0.000	96	198448	20.0	21.1	
$ 61 1,2-Dichloroethane-d4 (Sur	65	4.604	4.604	0.000	96	125744	50.0	51.8	
62 Tert-amyl methyl ether	73	4.653	4.659	-0.006	84	164917	20.0	21.8	
63 Isopropyl acetate	61	4.659	4.659	0.000	83	23050	20.0	19.7	
64 1,2-Dichloroethane	62	4.671	4.677	-0.006	99	68952	20.0	21.1	
65 n-Heptane	100	4.745	4.745	0.000	84	10507	20.0	19.8	
* 66 Fluorobenzene	96	4.860	4.860	0.000	99	409890	50.0	50.0	
67 n-Butanol	56	5.171	5.171	0.000	83	26535	500.0	428.9	
68 Trichloroethene	95	5.202	5.202	0.000	98	54030	20.0	22.1	
69 Methylcyclohexane	83	5.318	5.318	0.000	89	83202	20.0	19.4	
70 Ethyl acrylate	99	5.330	5.336	-0.006	97	7388	20.0	21.9	
71 1,2-Dichloropropane	63	5.476	5.482	-0.006	89	44325	20.0	20.9	
* 72 1,4-Dioxane-d8	96	5.543	5.549	-0.006	86	20108	1000.0	1000.0	
73 Methyl methacrylate	100	5.568	5.568	0.000	82	25625	40.0	41.6	
75 1,4-Dioxane	88	5.592	5.592	0.000	41	11140	400.0	466.1	
74 Dibromomethane	93	5.598	5.598	0.000	96	31030	20.0	20.3	
76 n-Propyl acetate	43	5.622	5.629	-0.006	95	42926	20.0	18.9	
77 Dichlorobromomethane	83	5.751	5.750	0.000	98	59706	20.0	19.0	
78 2-Nitropropane	41	6.080	6.080	0.000	95	11192	40.0	19.0	
80 Epichlorohydrin	57	6.189	6.189	0.000	99	49266	400.0	254.3	
81 cis-1,3-Dichloropropene	75	6.238	6.238	0.000	90	68047	20.0	18.4	
82 4-Methyl-2-pentanone (MIBK	43	6.409	6.409	0.000	93	178133	100.0	111.5	
$ 83 Toluene-d8 (Surr)	98	6.476	6.476	0.000	100	379818	50.0	48.6	
84 Toluene	91	6.549	6.549	0.000	94	202537	20.0	21.0	
85 trans-1,3-Dichloropropene	75	6.897	6.897	0.000	94	63338	20.0	18.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.939	6.939	0.000	86	55507	20.0	19.2	
87 1,1,2-Trichloroethane	83	7.104	7.104	0.000	95	34300	20.0	20.0	
88 Tetrachloroethene	166	7.140	7.140	0.000	95	54165	20.0	22.4	
89 1,3-Dichloropropane	76	7.311	7.311	0.000	91	69041	20.0	20.2	
90 2-Hexanone	43	7.390	7.390	0.000	93	113743	100.0	111.4	
91 n-Butyl acetate	43	7.512	7.512	0.000	96	51097	20.0	18.9	
92 Chlorodibromomethane	129	7.531	7.531	0.000	97	40095	20.0	17.0	
93 Ethylene Dibromide	107	7.677	7.677	0.000	98	44658	20.0	21.1	
* 94 Chlorobenzene-d5	117	8.220	8.219	0.001	85	303953	50.0	50.0	
95 Chlorobenzene	112	8.256	8.256	0.000	96	138453	20.0	21.3	
96 Ethylbenzene	106	8.366	8.366	0.000	98	75912	20.0	21.6	
97 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	93	50626	20.0	19.3	
98 m-Xylene & p-Xylene	106	8.524	8.524	0.000	96	94987	20.0	21.7	
99 o-Xylene	106	9.043	9.042	0.001	95	96818	20.0	21.0	
100 n-Butyl acrylate	73	9.055	9.055	0.000	98	38383	20.0	20.2	
101 Styrene	104	9.079	9.079	0.000	96	146839	20.0	21.1	
102 Bromoform	173	9.323	9.323	0.000	97	23415	20.0	15.2	
103 Amyl acetate (mixed isomer	43	9.347	9.347	0.000	93	67344	20.0	17.6	
104 Isopropylbenzene	105	9.488	9.488	0.000	95	255464	20.0	21.9	
$ 105 4-Bromofluorobenzene	174	9.713	9.713	0.000	0	124258	50.0	51.5	
106 Bromobenzene	156	9.859	9.859	0.000	96	61627	20.0	20.8	
107 1,1,2,2-Tetrachloroethane	83	9.933	9.933	0.000	97	58467	20.0	20.9	
108 N-Propylbenzene	91	9.957	9.957	0.000	99	289261	20.0	21.5	
109 1,2,3-Trichloropropane	110	9.981	9.981	0.000	96	19105	20.0	22.4	
110 trans-1,4-Dichloro-2-buten	53	10.006	10.006	0.000	91	10587	20.0	14.9	
111 2-Chlorotoluene	91	10.067	10.067	0.000	96	203522	20.0	21.1	
112 4-Ethyltoluene	105	10.091	10.091	0.000	98	249189	20.0	21.2	
113 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	94	224438	20.0	22.0	
114 4-Chlorotoluene	91	10.195	10.195	0.000	97	196574	20.0	20.9	
115 Butyl Methacrylate	87	10.298	10.298	0.000	86	70220	20.0	18.9	
116 tert-Butylbenzene	119	10.481	10.481	0.000	93	173687	20.0	20.9	
117 1,2,4-Trimethylbenzene	105	10.542	10.542	0.000	97	226180	20.0	21.1	
118 sec-Butylbenzene	105	10.695	10.695	0.000	98	274747	20.0	21.9	
119 1,3-Dichlorobenzene	146	10.823	10.823	0.000	96	120646	20.0	21.6	
120 4-Isopropyltoluene	119	10.841	10.847	-0.006	97	243635	20.0	22.1	
* 121 1,4-Dichlorobenzene-d4	152	10.896	10.896	0.000	95	167972	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.920	10.920	0.000	95	120588	20.0	22.0	
123 1,2,3-Trimethylbenzene	105	10.951	10.951	0.000	99	233893	20.0	20.7	
124 Benzyl chloride	91	11.067	11.066	0.001	99	83091	20.0	11.9	
125 2,3-Dihydroindene	117	11.128	11.127	0.001	95	220099	20.0	21.1	
126 p-Diethylbenzene	119	11.201	11.201	0.000	94	135124	20.0	21.2	
127 n-Butylbenzene	92	11.219	11.219	0.000	98	123262	20.0	22.5	
128 1,2-Dichlorobenzene	146	11.262	11.262	0.000	96	122268	20.0	21.7	
129 1,2,4,5-Tetramethylbenzene	119	11.877	11.877	0.000	97	244786	20.0	20.2	
130 1,2-Dibromo-3-Chloropropan	157	11.957	11.957	0.000	94	13333	20.0	18.4	
131 1,3,5-Trichlorobenzene	180	12.072	12.072	0.000	98	103214	20.0	21.4	
132 1,2,4-Trichlorobenzene	180	12.578	12.578	0.000	94	121565	20.0	25.6	
133 Hexachlorobutadiene	225	12.670	12.670	0.000	96	40353	20.0	23.0	
134 Naphthalene	128	12.767	12.767	0.000	99	257447	20.0	21.3	
135 1,2,3-Trichlorobenzene	180	12.950	12.950	0.000	96	104125	20.0	22.2	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.5	
S 137 Xylenes, Total	100				0		40.0	42.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Total 1,2-dichloroethene	1				0			43.5	
S 139 1,3-Dichloropropene, Total	1				0		40.0	36.5	
S 140 Total BTEX	1				0		100.0	106.3	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00347	Amount Added:	20.00	Units: uL	
524freon_00017	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00111	Amount Added:	20.00	Units: uL	
ACROLEIN W_00101	Amount Added:	4.00	Units: uL	
VOA6IS/SURR_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 28-Dec-2019 12:05:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS17\20191227-103504.b\TT11347.D

Injection Date: 27-Dec-2019 16:27:30 Instrument ID: CVOAMS17

Lims ID: 240-124013-H-4 MSD

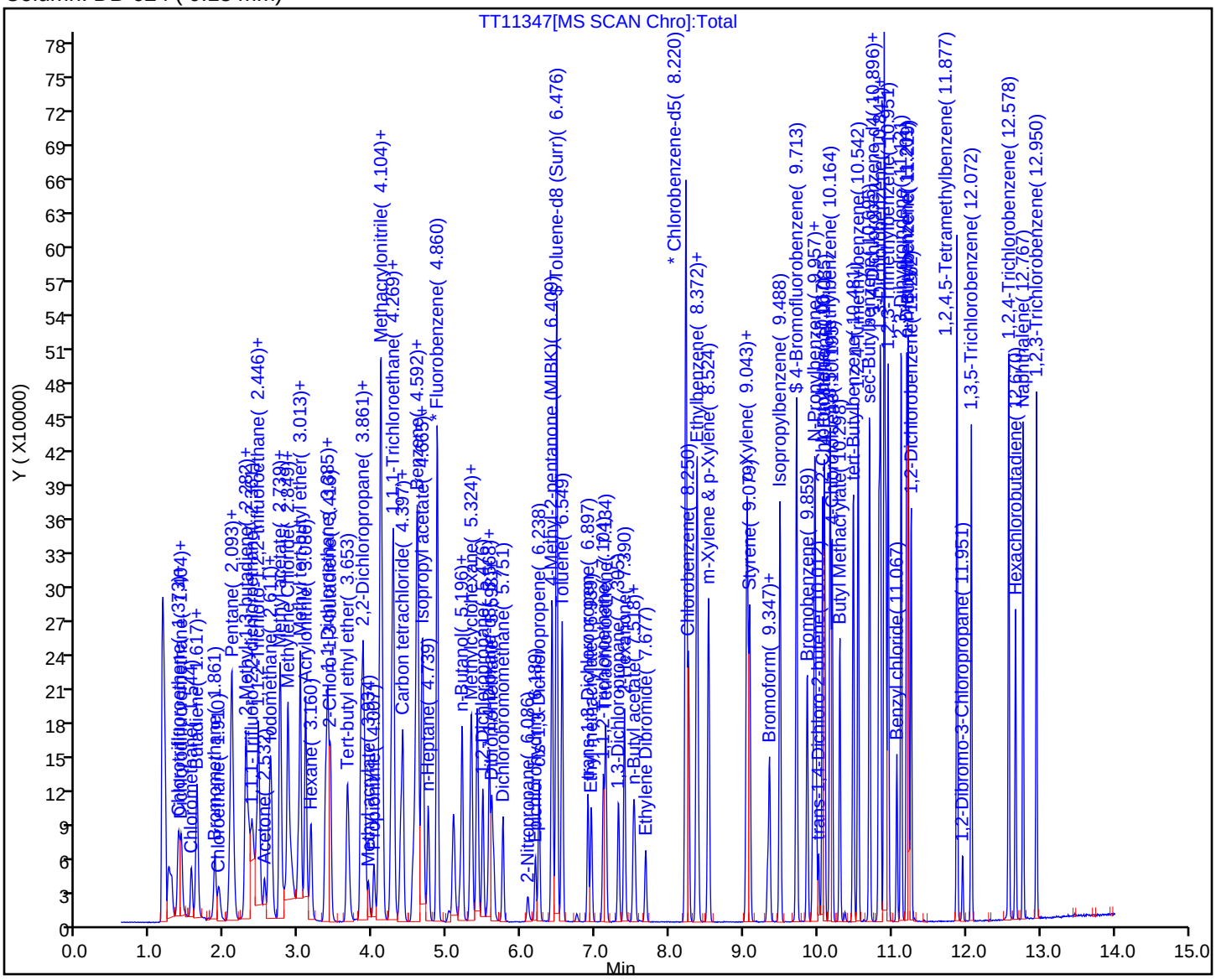
Client ID: PMW-6S-G-19E-S

Operator ID: ALS Bottle#: 29 Worklist Smp#: 30

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Instrument ID: CVOAMS17 Start Date: 12/21/2019 10:31

Analysis Batch Number: 664203 End Date: 12/21/2019 16:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-664203/1		12/21/2019 10:31	1	TT0988.D	DB-624 0.18(mm)
STD8 460-664203/2 IC		12/21/2019 10:52	1	TT0989.D	DB-624 0.18(mm)
STD05 460-664203/3 IC		12/21/2019 11:13	1	TT0990.D	DB-624 0.18(mm)
STD1 460-664203/4 IC		12/21/2019 11:34	1	TT0991.D	DB-624 0.18(mm)
STD5 460-664203/5 IC		12/21/2019 11:55	1	TT0992.D	DB-624 0.18(mm)
STD20 460-664203/6 ICIS		12/21/2019 12:16	1	TT0993.D	DB-624 0.18(mm)
STD50 460-664203/7 IC		12/21/2019 12:36	1	TT0994.D	DB-624 0.18(mm)
STD200 460-664203/8 IC		12/21/2019 12:57	1	TT0995.D	DB-624 0.18(mm)
STD500 460-664203/9 IC		12/21/2019 13:18	1	TT0996.D	DB-624 0.18(mm)
ICV 460-664203/14		12/21/2019 16:18	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Instrument ID: CVOAMS17 Start Date: 12/26/2019 17:58

Analysis Batch Number: 665200 End Date: 12/27/2019 05:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-665200/1		12/26/2019 17:58	1	TT1285.D	DB-624 0.18(mm)
CCVIS 460-665200/4		12/26/2019 19:11	1	TT1288.D	DB-624 0.18(mm)
LCS 460-665200/5		12/26/2019 19:42	1	TT1289.D	DB-624 0.18(mm)
LCSD 460-665200/6		12/26/2019 20:03	1	TT1290.D	DB-624 0.18(mm)
MB 460-665200/9		12/26/2019 21:10	1	TT1293.D	DB-624 0.18(mm)
ZZZZZ		12/26/2019 22:04	1		DB-624 0.18(mm)
ZZZZZ		12/26/2019 22:24	1		DB-624 0.18(mm)
ZZZZZ		12/26/2019 22:45	1		DB-624 0.18(mm)
460-199160-3		12/26/2019 23:06	1	TT1297.D	DB-624 0.18(mm)
460-199160-4		12/26/2019 23:26	1	TT1298.D	DB-624 0.18(mm)
460-199160-1 MS		12/27/2019 00:28	1	TT1301.D	DB-624 0.18(mm)
460-199160-1 MSD		12/27/2019 00:49	1	TT1302.D	DB-624 0.18(mm)
ZZZZZ		12/27/2019 01:52	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 02:12	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 02:33	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 02:54	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 03:15	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 03:36	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 03:56	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 04:17	1		DB-624 0.18(mm)
460-199160-2		12/27/2019 04:59	1	TT1314.D	DB-624 0.18(mm)
ZZZZZ		12/27/2019 05:40	20		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Instrument ID: CVOAMS17 Start Date: 12/27/2019 06:24

Analysis Batch Number: 665310 End Date: 12/27/2019 17:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-665310/1		12/27/2019 06:24	1	TT11318.D	DB-624 0.18(mm)
CCVIS 460-665310/3		12/27/2019 07:06	1	TT11320.D	DB-624 0.18(mm)
LCS 460-665310/4		12/27/2019 07:28	1	TT11321.D	DB-624 0.18(mm)
ZZZZZ		12/27/2019 07:48	1		DB-624 0.18(mm)
MB 460-665310/8		12/27/2019 08:50	1	TT11325.D	DB-624 0.18(mm)
460-199160-1		12/27/2019 09:11	1	TT11326.D	DB-624 0.18(mm)
ZZZZZ		12/27/2019 09:32	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 09:53	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 10:14	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 10:35	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 10:55	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 11:16	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 11:37	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 11:58	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 12:19	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 12:39	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 13:00	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 13:21	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 13:41	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 14:02	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 14:23	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 15:25	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 15:46	5		DB-624 0.18(mm)
240-124013-F-4 MS		12/27/2019 16:07	1	TT11346.D	DB-624 0.18(mm)
240-124013-H-4 MSD		12/27/2019 16:27	1	TT11347.D	DB-624 0.18(mm)
ZZZZZ		12/27/2019 16:48	1		DB-624 0.18(mm)
ZZZZZ		12/27/2019 17:08	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Batch Number: 665200 Batch Start Date: 12/26/19 17:58 Batch Analyst: Parekh, Vyomesh B

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00017	8260MIX1COMB 00111	ACROLEIN W 00101	BFB 00024
BFB 460-665200/1		8260C		5 mL	5 mL				1 uL
CCVIS 460-665200/4		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
LCS 460-665200/5		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
LCSD 460-665200/6		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
MB 460-665200/9		8260C		5 mL	5 mL				
460-199160-A-3	Equipment Blank	8260C	T	5 mL	5 mL				
460-199160-A-4	Trip Blank	8260C	T	5 mL	5 mL				
460-199160-B-1 MS	MW-4	8260C	T	5 mL	5 mL	20 uL	20 uL	4 uL	
460-199160-B-1 MSD	MW-4	8260C	T	5 mL	5 mL	20 uL	20 uL	4 uL	
460-199160-B-2	MW-3	8260C	T	5 mL	5 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	GASES Li 00347	VOA6IS/SURR 00031				
BFB 460-665200/1		8260C							
CCVIS 460-665200/4		8260C		20 uL	5 uL				
LCS 460-665200/5		8260C		20 uL	5 uL				
LCSD 460-665200/6		8260C		20 uL	5 uL				
MB 460-665200/9		8260C			5 uL				
460-199160-A-3	Equipment Blank	8260C	T		5 uL				
460-199160-A-4	Trip Blank	8260C	T		5 uL				
460-199160-B-1 MS	MW-4	8260C	T	20 uL	5 uL				
460-199160-B-1 MSD	MW-4	8260C	T	20 uL	5 uL				
460-199160-B-2	MW-3	8260C	T		5 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.: 460-199160-1

SDG No.:

Batch Number: 665200 Batch Start Date: 12/26/19 17:58 Batch Analyst: Parekh, Vyomesh B

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.: 460-199160-1

SDG No.:

Batch Number: 665310 Batch Start Date: 12/27/19 06:24 Batch Analyst: Desai, Saurab

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00017	8260MIX1COMB 00111	ACROLEIN W 00101	BFB 00024
BFB 460-665310/1		8260C		5 mL	5 mL				1 uL
CCVIS 460-665310/3		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
LCS 460-665310/4		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
MB 460-665310/8		8260C		5 mL	5 mL				
460-199160-C-1	MW-4	8260C	T	5 mL	5 mL				
240-124013-F-4 MS	PMW-6S-G-19E-S	8260C	T	5 mL	5 mL	20 uL	20 uL	4 uL	
240-124013-H-4 MSD	PMW-6S-G-19E-S	8260C	T	5 mL	5 mL	20 uL	20 uL	4 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	GASES Li 00347	VOA6IS/SURR 00031				
BFB 460-665310/1		8260C							
CCVIS 460-665310/3		8260C		20 uL	5 uL				
LCS 460-665310/4		8260C		20 uL	5 uL				
MB 460-665310/8		8260C			5 uL				
460-199160-C-1	MW-4	8260C	T		5 uL				
240-124013-F-4 MS	PMW-6S-G-19E-S	8260C	T	20 uL	5 uL				
240-124013-H-4 MSD	PMW-6S-G-19E-S	8260C	T	20 uL	5 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270D

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-4	460-199160-1	45	32	91	59	121	111
MW-3	460-199160-2	42	30	86	59	107	103
Equipment Blank	460-199160-3	51	36	103	76	121	127
	MB 460-663597/1-A	45	30	95	66	119	108
	LCS 460-663597/2-A	38	27	85	67	110	93
	LCS 460-663597/4-A	41	27	97	75	117	113
	LCSD 460-663597/3-A	42	29	92	75	117	93
	LCSD 460-663597/5-A	45	30	105	79	134	123
MW-4 MS	460-199160-1 MS	44	33	84	68	120	99
MW-4 MSD	460-199160-1 MSD	44	31	93	72	127	104

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	25-58
PHL = Phenol-d5 (Surr)	14-39
NBZ = Nitrobenzene-d5 (Surr)	51-108
FBP = 2-Fluorobiphenyl	45-107
TBP = 2,4,6-Tribromophenol (Surr)	26-139
TPHL = Terphenyl-d14 (Surr)	40-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085970.D

Lab ID: LCS 460-663597/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	60.5	76	54-108	
1,2,4,5-Tetrachlorobenzene	80.0	59.7	75	46-105	
2,2'-oxybis[1-chloropropane]	80.0	76.5	96	50-108	
2,3,4,6-Tetrachlorophenol	80.0	86.9	109	57-122	
2,4,5-Trichlorophenol	80.0	67.8	85	59-117	
2,4,6-Trichlorophenol	80.0	71.1	89	62-120	
2,4-Dichlorophenol	80.0	65.3	82	62-102	
2,4-Dimethylphenol	80.0	58.7	73	61-95	
2,4-Dinitrophenol	160	186	116	45-125	
2,4-Dinitrotoluene	80.0	76.7	96	70-123	
2,6-Dinitrotoluene	80.0	77.5	97	68-121	
2-Chloronaphthalene	80.0	61.8	77	54-105	
2-Chlorophenol	80.0	54.8	68	54-92	
2-Methylnaphthalene	80.0	68.4	85	47-104	
2-Methylphenol	80.0	49.2	61	43-80	
2-Nitroaniline	80.0	71.5	89	46-124	
2-Nitrophenol	80.0	80.3	100	58-109	
3,3'-Dichlorobenzidine	80.0	72.2	90	68-123	
3-Nitroaniline	80.0	65.1	81	60-117	
4,6-Dinitro-2-methylphenol	160	202	126	59-132	
4-Bromophenyl phenyl ether	80.0	67.9	85	57-126	
4-Chloro-3-methylphenol	80.0	71.2	89	58-98	
4-Chloroaniline	80.0	67.9	85	51-108	
4-Chlorophenyl phenyl ether	80.0	73.2	92	60-114	
4-Methylphenol	80.0	44.0	55	34-78	
4-Nitroaniline	80.0	63.3	79	48-135	
4-Nitrophenol	160	51.4	32	11-47	
Acenaphthene	80.0	62.7	78	58-107	
Acenaphthylene	80.0	62.1	78	61-106	
Acetophenone	80.0	78.7	98	54-115	
Anthracene	80.0	67.0	84	70-118	
Benzo[a]anthracene	80.0	71.2	89	73-119	
Benzo[a]pyrene	80.0	66.1	83	76-125	
Benzo[b]fluoranthene	80.0	68.8	86	78-123	
Benzo[g,h,i]perylene	80.0	91.6	114	63-133	
Benzo[k]fluoranthene	80.0	71.7	90	71-126	
Bis(2-chloroethoxy)methane	80.0	74.4	93	67-104	
Bis(2-chloroethyl)ether	80.0	69.8	87	63-106	
Bis(2-ethylhexyl) phthalate	80.0	69.4	87	63-135	
Butyl benzyl phthalate	80.0	66.4	83	66-129	
Carbazole	80.0	66.6	83	68-121	
Chrysene	80.0	80.6	101	73-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085970.D

Lab ID: LCS 460-663597/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	92.0	115	59-136	
Dibenzofuran	80.0	65.7	82	67-108	
Diethyl phthalate	80.0	66.2	83	61-129	
Dimethyl phthalate	80.0	69.8	87	65-121	
Di-n-butyl phthalate	80.0	65.2	81	64-130	
Di-n-octyl phthalate	80.0	57.2	71	64-131	
Fluoranthene	80.0	68.6	86	66-123	
Fluorene	80.0	70.0	88	67-112	
Hexachlorobenzene	80.0	79.6	100	63-125	
Hexachlorobutadiene	80.0	40.1	50	34-99	
Hexachlorocyclopentadiene	80.0	39.4	49	18-99	
Hexachloroethane	80.0	42.5	53	39-92	
Indeno[1,2,3-cd]pyrene	80.0	85.4	107	57-142	
Isophorone	80.0	72.0	90	55-105	
Naphthalene	80.0	64.9	81	51-98	
Nitrobenzene	80.0	74.0	93	56-106	
N-Nitrosodi-n-propylamine	80.0	72.7	91	48-118	
N-Nitrosodiphenylamine	80.0	66.9	84	69-118	
Pentachlorophenol	160	153	95	54-120	
Phenanthrene	80.0	68.5	86	70-117	
Phenol	80.0	28.4	35	16-43	
Pyrene	80.0	74.8	94	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085968.D

Lab ID: LCS 460-663597/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Atrazine	160	191	119	38-146	
Benzaldehyde	160	167	104	46-111	
Caprolactam	160	51.5	32	10-43	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085967.D

Lab ID: LCSD 460-663597/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	62.7	78	4	30	54-108	
1,2,4,5-Tetrachlorobenzene	80.0	64.2	80	7	30	46-105	
2,2'-oxybis[1-chloropropane]	80.0	80.0	100	4	30	50-108	
2,3,4,6-Tetrachlorophenol	80.0	84.7	106	3	30	57-122	
2,4,5-Trichlorophenol	80.0	73.0	91	7	30	59-117	
2,4,6-Trichlorophenol	80.0	73.7	92	4	30	62-120	
2,4-Dichlorophenol	80.0	68.8	86	5	30	62-102	
2,4-Dimethylphenol	80.0	60.7	76	3	30	61-95	
2,4-Dinitrophenol	160	207	129	11	30	45-125	*
2,4-Dinitrotoluene	80.0	78.1	98	2	30	70-123	
2,6-Dinitrotoluene	80.0	81.3	102	5	30	68-121	
2-Chloronaphthalene	80.0	64.1	80	4	30	54-105	
2-Chlorophenol	80.0	58.5	73	7	30	54-92	
2-Methylnaphthalene	80.0	69.1	86	1	30	47-104	
2-Methylphenol	80.0	51.8	65	5	30	43-80	
2-Nitroaniline	80.0	74.4	93	4	30	46-124	
2-Nitrophenol	80.0	87.3	109	8	30	58-109	
3,3'-Dichlorobenzidine	80.0	73.9	92	2	30	68-123	
3-Nitroaniline	80.0	69.3	87	6	30	60-117	
4,6-Dinitro-2-methylphenol	160	206	129	2	30	59-132	
4-Bromophenyl phenyl ether	80.0	69.9	87	3	30	57-126	
4-Chloro-3-methylphenol	80.0	73.5	92	3	30	58-98	
4-Chloroaniline	80.0	70.8	88	4	30	51-108	
4-Chlorophenyl phenyl ether	80.0	76.0	95	4	30	60-114	
4-Methylphenol	80.0	46.6	58	6	30	34-78	
4-Nitroaniline	80.0	64.9	81	3	30	48-135	
4-Nitrophenol	160	52.0	33	1	30	11-47	
Acenaphthene	80.0	65.4	82	4	30	58-107	
Acenaphthylene	80.0	63.5	79	2	30	61-106	
Acetophenone	80.0	81.7	102	4	30	54-115	
Anthracene	80.0	66.1	83	1	30	70-118	
Benzo[a]anthracene	80.0	72.3	90	1	30	73-119	
Benzo[a]pyrene	80.0	67.7	85	2	30	76-125	
Benzo[b]fluoranthene	80.0	70.3	88	2	30	78-123	
Benzo[g,h,i]perylene	80.0	94.0	118	3	30	63-133	
Benzo[k]fluoranthene	80.0	71.7	90	0	30	71-126	
Bis(2-chloroethoxy)methane	80.0	77.7	97	4	30	67-104	
Bis(2-chloroethyl)ether	80.0	75.5	94	8	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	70.0	88	1	30	63-135	
Butyl benzyl phthalate	80.0	69.4	87	4	30	66-129	
Carbazole	80.0	65.8	82	1	30	68-121	
Chrysene	80.0	80.2	100	1	30	73-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085967.D

Lab ID: LCSD 460-663597/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	93.7	117	2	30	59-136	
Dibenzofuran	80.0	67.1	84	2	30	67-108	
Diethyl phthalate	80.0	66.8	84	1	30	61-129	
Dimethyl phthalate	80.0	69.7	87	0	30	65-121	
Di-n-butyl phthalate	80.0	63.7	80	2	30	64-130	
Di-n-octyl phthalate	80.0	60.2	75	5	30	64-131	
Fluoranthene	80.0	67.4	84	2	30	66-123	
Fluorene	80.0	70.9	89	1	30	67-112	
Hexachlorobenzene	80.0	81.5	102	2	30	63-125	
Hexachlorobutadiene	80.0	51.4	64	25	30	34-99	
Hexachlorocyclopentadiene	80.0	40.2	50	2	30	18-99	
Hexachloroethane	80.0	49.1	61	14	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	87.4	109	2	30	57-142	
Isophorone	80.0	74.5	93	3	30	55-105	
Naphthalene	80.0	65.7	82	1	30	51-98	
Nitrobenzene	80.0	79.9	100	8	30	56-106	
N-Nitrosodi-n-propylamine	80.0	77.0	96	6	30	48-118	
N-Nitrosodiphenylamine	80.0	67.0	84	0	30	69-118	
Pentachlorophenol	160	151	95	1	30	54-120	
Phenanthrene	80.0	66.9	84	2	30	70-117	
Phenol	80.0	31.1	39	9	30	16-43	
Pyrene	80.0	72.9	91	3	30	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085969.D

Lab ID: LCSD 460-663597/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Atrazine	160	152	95	22	30	38-146	
Benzaldehyde	160	168	105	0	30	46-111	
Caprolactam	160	42.9	27	18	30	10-43	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085972.D

Lab ID: 460-199160-1 MS Client ID: MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	1.2 U	63.9	80	54-108	
1,2,4,5-Tetrachlorobenzene	80.0	1.2 U	62.8	79	46-105	
2,2'-oxybis[1-chloropropane]	80.0	0.63 U	77.2	97	50-108	
2,3,4,6-Tetrachlorophenol	80.0	0.75 U	89.7	112	57-122	
2,4,5-Trichlorophenol	80.0	0.88 U	72.4	90	59-117	
2,4,6-Trichlorophenol	80.0	0.86 U	74.1	93	62-120	
2,4-Dichlorophenol	80.0	1.1 U	66.6	83	62-102	
2,4-Dimethylphenol	80.0	0.62 U	58.2	73	61-95	
2,4-Dinitrophenol	160	14 U	219	137	45-125	F1
2,4-Dinitrotoluene	80.0	1.0 U	80.0	100	70-123	
2,6-Dinitrotoluene	80.0	0.83 U	83.3	104	68-121	
2-Chloronaphthalene	80.0	1.2 U	64.9	81	54-105	
2-Chlorophenol	80.0	0.38 U	57.8	72	54-92	
2-Methylnaphthalene	80.0	1.1 U	68.6	86	47-104	
2-Methylphenol	80.0	0.67 U	52.8	66	43-80	
2-Nitroaniline	80.0	0.47 U	64.9	81	46-124	
2-Nitrophenol	80.0	0.75 U	81.7	102	58-109	
3,3'-Dichlorobenzidine	80.0	1.4 U	14.5	18	68-123	F1
3-Nitroaniline	80.0	1.9 U	50.0	63	60-117	
4,6-Dinitro-2-methylphenol	160	13 U	212	133	59-132	F1
4-Bromophenyl phenyl ether	80.0	0.75 U	71.3	89	57-126	
4-Chloro-3-methylphenol	80.0	0.58 U	74.2	93	58-98	
4-Chloroaniline	80.0	1.9 U	29.6	37	51-108	F1
4-Chlorophenyl phenyl ether	80.0	1.3 U	77.8	97	60-114	
4-Methylphenol	80.0	0.65 U	48.4	60	34-78	
4-Nitroaniline	80.0	1.2 U	50.9	64	48-135	
4-Nitrophenol	160	4.0 U	65.9	41	11-47	
Acenaphthene	80.0	1.1 U	66.0	82	58-107	
Acenaphthylene	80.0	0.82 U	64.9	81	61-106	
Acetophenone	80.0	2.3 U	80.0	100	54-115	
Anthracene	80.0	0.63 U	69.7	87	70-118	
Atrazine	160	1.3 U	114	71	38-146	
Benzaldehyde	160	2.1 U	140	87	46-111	
Benzo[a]anthracene	80.0	0.59 U	73.0	91	73-119	
Benzo[a]pyrene	80.0	0.41 U	68.5	86	76-125	
Benzo[b]fluoranthene	80.0	0.68 U	70.3	88	78-123	
Benzo[g,h,i]perylene	80.0	1.4 U	94.2	118	63-133	
Benzo[k]fluoranthene	80.0	0.67 U	76.0	95	71-126	
Bis(2-chloroethoxy)methane	80.0	0.59 U	73.4	92	67-104	
Bis(2-chloroethyl)ether	80.0	0.63 U	72.2	90	63-106	
Bis(2-ethylhexyl) phthalate	80.0	1.7 U	72.6	91	63-135	
Butyl benzyl phthalate	80.0	0.85 U	72.1	90	66-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085972.D

Lab ID: 460-199160-1 MS Client ID: MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Caprolactam	160	0.68 U	46.1	29	10-43	
Carbazole	80.0	0.68 U	67.8	85	68-121	
Chrysene	80.0	0.91 U	81.8	102	73-121	
Dibenz(a,h)anthracene	80.0	0.72 U	94.8	118	59-136	
Dibenzofuran	80.0	1.1 U	68.6	86	67-108	
Diethyl phthalate	80.0	0.98 U	70.5	88	61-129	
Dimethyl phthalate	80.0	0.77 U	72.9	91	65-121	
Di-n-butyl phthalate	80.0	0.84 U	67.0	84	64-130	
Di-n-octyl phthalate	80.0	4.8 U	62.3	78	64-131	
Fluoranthene	80.0	0.84 U	69.6	87	66-123	
Fluorene	80.0	0.91 U	74.0	92	67-112	
Hexachlorobenzene	80.0	0.40 U	84.3	105	63-125	
Hexachlorobutadiene	80.0	0.78 U	52.1	65	34-99	
Hexachlorocyclopentadiene	80.0	3.6 U	49.3	62	18-99	
Hexachloroethane	80.0	0.80 U	50.8	63	39-92	
Indeno[1,2,3-cd]pyrene	80.0	0.94 U	88.3	110	57-142	
Isophorone	80.0	0.80 U	70.7	88	55-105	
Naphthalene	80.0	1.1 U	65.8	82	51-98	
Nitrobenzene	80.0	0.57 U	75.2	94	56-106	
N-Nitrosodi-n-propylamine	80.0	0.43 U	72.1	90	48-118	
N-Nitrosodiphenylamine	80.0	0.89 U	61.6	77	69-118	
Pentachlorophenol	160	1.4 U	169	106	54-120	
Phenanthrene	80.0	0.58 U	70.6	88	70-117	
Phenol	80.0	0.29 U	29.4	37	16-43	
Pyrene	80.0	1.6 U	77.7	97	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085973.D

Lab ID: 460-199160-1 MSD Client ID: MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	67.0	84	5	30	54-108	
1,2,4,5-Tetrachlorobenzene	80.0	68.6	86	9	30	46-105	
2,2'-oxybis[1-chloropropane]	80.0	80.7	101	4	30	50-108	
2,3,4,6-Tetrachlorophenol	80.0	94.8	119	6	30	57-122	
2,4,5-Trichlorophenol	80.0	78.0	98	8	30	59-117	
2,4,6-Trichlorophenol	80.0	80.1	100	8	30	62-120	
2,4-Dichlorophenol	80.0	72.2	90	8	30	62-102	
2,4-Dimethylphenol	80.0	63.1	79	8	30	61-95	
2,4-Dinitrophenol	160	221	138	1	30	45-125	F1
2,4-Dinitrotoluene	80.0	86.3	108	8	30	70-123	
2,6-Dinitrotoluene	80.0	88.3	110	6	30	68-121	
2-Chloronaphthalene	80.0	68.1	85	5	30	54-105	
2-Chlorophenol	80.0	59.8	75	3	30	54-92	
2-Methylnaphthalene	80.0	74.4	93	8	30	47-104	
2-Methylphenol	80.0	53.6	67	1	30	43-80	
2-Nitroaniline	80.0	78.3	98	19	30	46-124	
2-Nitrophenol	80.0	90.2	113	10	30	58-109	F1
3,3'-Dichlorobenzidine	80.0	57.1	71	119	30	68-123	F2
3-Nitroaniline	80.0	68.6	86	31	30	60-117	F2
4,6-Dinitro-2-methylphenol	160	217	136	2	30	59-132	F1
4-Bromophenyl phenyl ether	80.0	76.9	96	8	30	57-126	
4-Chloro-3-methylphenol	80.0	78.2	98	5	30	58-98	
4-Chloroaniline	80.0	53.0	66	57	30	51-108	F2
4-Chlorophenyl phenyl ether	80.0	83.1	104	6	30	60-114	
4-Methylphenol	80.0	49.6	62	2	30	34-78	
4-Nitroaniline	80.0	66.8	83	27	30	48-135	
4-Nitrophenol	160	59.3	37	11	30	11-47	
Acenaphthene	80.0	71.1	89	7	30	58-107	
Acenaphthylene	80.0	69.3	87	7	30	61-106	
Acetophenone	80.0	83.4	104	4	30	54-115	
Anthracene	80.0	71.7	90	3	30	70-118	
Atrazine	160	142	89	22	30	38-146	
Benzaldehyde	160	143	89	2	30	46-111	
Benzo[a]anthracene	80.0	75.4	94	3	30	73-119	
Benzo[a]pyrene	80.0	72.7	91	6	30	76-125	
Benzo[b]fluoranthene	80.0	72.9	91	4	30	78-123	
Benzo[g,h,i]perylene	80.0	101	126	7	30	63-133	
Benzo[k]fluoranthene	80.0	80.0	100	5	30	71-126	
Bis(2-chloroethoxy)methane	80.0	79.4	99	8	30	67-104	
Bis(2-chloroethyl)ether	80.0	75.5	94	5	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	75.2	94	4	30	63-135	
Butyl benzyl phthalate	80.0	74.7	93	4	30	66-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P085973.D

Lab ID: 460-199160-1 MSD Client ID: MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	160	51.7	32	11	30	10-43	
Carbazole	80.0	69.5	87	3	30	68-121	
Chrysene	80.0	85.0	106	4	30	73-121	
Dibenz(a,h)anthracene	80.0	100	125	6	30	59-136	
Dibenzofuran	80.0	72.6	91	6	30	67-108	
Diethyl phthalate	80.0	72.1	90	2	30	61-129	
Dimethyl phthalate	80.0	75.1	94	3	30	65-121	
Di-n-butyl phthalate	80.0	68.1	85	2	30	64-130	
Di-n-octyl phthalate	80.0	65.1	81	4	30	64-131	
Fluoranthene	80.0	70.7	88	2	30	66-123	
Fluorene	80.0	77.6	97	5	30	67-112	
Hexachlorobenzene	80.0	88.3	110	5	30	63-125	
Hexachlorobutadiene	80.0	51.6	64	1	30	34-99	
Hexachlorocyclopentadiene	80.0	50.7	63	3	30	18-99	
Hexachloroethane	80.0	50.8	64	0	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	94.3	118	7	30	57-142	
Isophorone	80.0	76.8	96	8	30	55-105	
Naphthalene	80.0	70.2	88	6	30	51-98	
Nitrobenzene	80.0	80.0	100	6	30	56-106	
N-Nitrosodi-n-propylamine	80.0	77.4	97	7	30	48-118	
N-Nitrosodiphenylamine	80.0	72.0	90	16	30	69-118	
Pentachlorophenol	160	175	109	3	30	54-120	
Phenanthrene	80.0	72.9	91	3	30	70-117	
Phenol	80.0	30.3	38	3	30	16-43	
Pyrene	80.0	82.3	103	6	30	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: P085965.D Lab Sample ID: MB 460-663597/1-A

Matrix: Water Date Extracted: 12/19/2019 09:31

Instrument ID: CBNAMS18 Date Analyzed: 12/19/2019 21:47

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 460-663597/3-A	P085967.D	12/19/2019 22:28
	LCS 460-663597/4-A	P085968.D	12/19/2019 22:49
	LCSD 460-663597/5-A	P085969.D	12/19/2019 23:10
	LCS 460-663597/2-A	P085970.D	12/19/2019 23:31
MW-4	460-199160-1	P085971.D	12/19/2019 23:51
MW-4 MS	460-199160-1 MS	P085972.D	12/20/2019 00:12
MW-4 MSD	460-199160-1 MSD	P085973.D	12/20/2019 00:33
MW-3	460-199160-2	P085974.D	12/20/2019 00:54
Equipment Blank	460-199160-3	P085975.D	12/20/2019 01:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: P084024.D DFTPP Injection Date: 10/17/2019

Instrument ID: CBNAMS18 DFTPP Injection Time: 10:33

Analysis Batch No.: 647983

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	39.3	
68	Less than 2% of mass 69	0.9	(1.6) 1
69	Mass 69 Relative abundance	54.5	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	57.4	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	26.6	
365	Greater than 1% of mass 198	3.9	
441	present but less than 24% of mass 442	14.6	(15.3) 2
442	Greater than 50% of mass 198	95.3	
443	15-24% of mass 442	19.2	(20.2) 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 460-647983/2	P084025.D	10/17/2019	10:48
	STD24 460-647983/3	P084026.D	10/17/2019	11:09
	STD16 460-647983/4	P084027.D	10/17/2019	11:30
	STD4 460-647983/5	P084028.D	10/17/2019	11:51
	STD2 460-647983/6	P084029.D	10/17/2019	12:12
	STD1 460-647983/7	P084030.D	10/17/2019	12:33
	STD02 460-647983/8	P084031.D	10/17/2019	12:54
	STD01 460-647983/9	P084032.D	10/17/2019	13:15
	STD10 460-647983/11	P084034.D	10/17/2019	13:57
	STD24 460-647983/12	P084035.D	10/17/2019	14:18
	STD16 460-647983/13	P084036.D	10/17/2019	14:39
	STD4 460-647983/14	P084037.D	10/17/2019	15:00
	STD2 460-647983/15	P084038.D	10/17/2019	15:21
	STD1 460-647983/16	P084039.D	10/17/2019	15:42
	STD02 460-647983/17	P084040.D	10/17/2019	16:02

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Lab File ID: P085961a.D DFTPP Injection Date: 12/19/2019

Instrument ID: CBNAMS18 DFTPP Injection Time: 20:12

Analysis Batch No.: 663779

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	56.1	
68	Less than 2% of mass 69	0.8	(1.5) 1
69	Mass 69 Relative abundance	56.2	
70	Less than 2% of mass 69	0.2	(0.4) 1
127	10-80% of Base Peak	57.7	
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	30.1	
365	Greater than 1% of mass 198	4.4	
441	present but less than 24% of mass 442	19.4	(15.5) 2
442	Greater than 50% of mass 198	124.6	
443	15-24% of mass 442	24.2	(19.4) 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 460-663779/2	P085962.D	12/19/2019	20:31
	CCV 460-663779/3	P085963.D	12/19/2019	20:57
	MB 460-663597/1-A	P085965.D	12/19/2019	21:47
	LCSD 460-663597/3-A	P085967.D	12/19/2019	22:28
	LCS 460-663597/4-A	P085968.D	12/19/2019	22:49
	LCSD 460-663597/5-A	P085969.D	12/19/2019	23:10
	LCS 460-663597/2-A	P085970.D	12/19/2019	23:31
MW-4	460-199160-1	P085971.D	12/19/2019	23:51
MW-4 MS	460-199160-1 MS	P085972.D	12/20/2019	00:12
MW-4 MSD	460-199160-1 MSD	P085973.D	12/20/2019	00:33
MW-3	460-199160-2	P085974.D	12/20/2019	00:54
Equipment Blank	460-199160-3	P085975.D	12/20/2019	01:14

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Sample No.: CCVIS 460-663779/2 Date Analyzed: 12/19/2019 20:31

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P085962.D Heated Purge: (Y/N) N

Calibration ID: 77185

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		130629	4.22	522663	5.44	266531	7.11
UPPER LIMIT		261258	4.72	1045326	5.94	533062	7.61
LOWER LIMIT		65315	3.72	261332	4.94	133266	6.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-663779/3		141489	4.22	552750	5.44	285702	7.11
MB 460-663597/1-A		180210	4.22	708987	5.44	365180	7.10
LCSD 460-663597/3-A		185478	4.22	740654	5.44	393522	7.11
LCS 460-663597/4-A		169870	4.22	669941	5.44	348372	7.10
LCSD 460-663597/5-A		176015	4.22	697532	5.44	362320	7.10
LCS 460-663597/2-A		156219	4.22	619892	5.44	331860	7.11
460-199160-1	MW-4	165593	4.22	649399	5.44	339505	7.10
460-199160-1 MS	MW-4 MS	160997	4.22	652044	5.44	339883	7.11
460-199160-1 MSD	MW-4 MSD	168695	4.22	666183	5.44	348301	7.11
460-199160-2	MW-3	173349	4.22	692994	5.44	359677	7.10
460-199160-3	Equipment Blank	180260	4.22	711799	5.44	380764	7.10

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 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Sample No.: CCVIS 460-663779/2 Date Analyzed: 12/19/2019 20:31

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P085962.D Heated Purge: (Y/N) N

Calibration ID: 77185

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		456278	8.50	301904	11.09	336030	12.90
UPPER LIMIT		912556	9.00	603808	11.59	672060	13.40
LOWER LIMIT		228139	8.00	150952	10.59	168015	12.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-663779/3		501244	8.50	327545	11.08	360490	12.89
MB 460-663597/1-A		660226	8.50	461140	11.08	504118	12.89
LCSD 460-663597/3-A		663654	8.50	458840	11.08	488386	12.89
LCS 460-663597/4-A		602518	8.50	405698	11.08	429641	12.89
LCSD 460-663597/5-A		644301	8.50	414216	11.08	437683	12.89
LCS 460-663597/2-A		554370	8.50	386537	11.09	410668	12.89
460-199160-1	MW-4	591246	8.50	392131	11.08	409183	12.89
460-199160-1 MS	MW-4 MS	581699	8.50	395561	11.08	401753	12.89
460-199160-1 MSD	MW-4 MSD	594297	8.50	388533	11.08	398956	12.89
460-199160-2	MW-3	626179	8.50	413054	11.08	436098	12.89
460-199160-3	Equipment Blank	668386	8.50	436196	11.08	444674	12.89

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 460-199160-1

Matrix: Water Lab File ID: P085971.D

Analysis Method: 8270D Date Collected: 12/16/2019 11:45

Extract. Method: 3510C Date Extracted: 12/19/2019 09:31

Sample wt/vol: 250(mL) Date Analyzed: 12/19/2019 23:51

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 663779 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U F1 *	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U F1	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U F1 F2	10	1.4
99-09-2	3-Nitroaniline	1.9	U F2	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U F1	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U F1 F2	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 460-199160-1

Matrix: Water Lab File ID: P085971.D

Analysis Method: 8270D Date Collected: 12/16/2019 11:45

Extract. Method: 3510C Date Extracted: 12/19/2019 09:31

Sample wt/vol: 250(mL) Date Analyzed: 12/19/2019 23:51

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 663779 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 460-199160-1

Matrix: Water Lab File ID: P085971.D

Analysis Method: 8270D Date Collected: 12/16/2019 11:45

Extract. Method: 3510C Date Extracted: 12/19/2019 09:31

Sample wt/vol: 250(mL) Date Analyzed: 12/19/2019 23:51

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 663779 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	1.6	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	121		26-139
321-60-8	2-Fluorobiphenyl	59		45-107
367-12-4	2-Fluorophenol (Surr)	45		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	91		51-108
4165-62-2	Phenol-d5 (Surr)	32		14-39
1718-51-0	Terphenyl-d14 (Surr)	111		40-148

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-199160-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 460-199160-1

Matrix: Water Lab File ID: P085971.D

Analysis Method: 8270D Date Collected: 12/16/2019 11:45

Extract. Method: 3510C Date Extracted: 12/19/2019 09:31

Sample wt/vol: 250(mL) Date Analyzed: 12/19/2019 23:51

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 663779 Units: ug/L

Number TICs Found: 2 TIC Result Total: 67.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
149-57-5	Hexanoic acid, 2-ethyl-	4.92	60	J N	90%
65-85-0	Benzoic acid	5.20	7.2	J * F1	87%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20191219-103132.b\P085971.D
Lims ID: 460-199160-H-1-B
Client ID: MW-4
Sample Type: Client
Inject. Date: 19-Dec-2019 23:51:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0103132-011
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20191219-103132.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 20-Dec-2019 07:59:18 Calib Date: 17-Oct-2019 16:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20191017-99511.b\P084040.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: khlungprakhons Date: 20-Dec-2019 16:46:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.993	2.993	0.000	89	142728	4.47	
$ 6 Phenol-d5	99	3.883	3.889	-0.006	98	135890	3.16	
* 14 1,4-Dichlorobenzene-d4	152	4.221	4.221	0.000	98	165593	8.00	
$ 27 Nitrobenzene-d5	82	4.751	4.755	-0.004	89	355671	9.09	
35 Benzoic acid	122	5.195	5.240	-0.045	87	1642	0.8945	
* 38 Naphthalene-d8	136	5.437	5.442	-0.005	100	649399	8.00	
$ 51 2-Fluorobiphenyl	172	6.471	6.474	-0.003	97	404549	5.86	
* 64 Acenaphthene-d10	164	7.103	7.107	-0.003	97	339505	8.00	
$ 80 2,4,6-Tribromophenol	330	7.847	7.852	-0.005	95	91382	12.1	
* 87 Phenanthrene-d10	188	8.501	8.504	-0.003	99	591246	8.00	
$ 96 Terphenyl-d14	244	10.011	10.015	-0.004	99	594131	11.1	
* 102 Chrysene-d12	240	11.080	11.086	-0.006	99	392131	8.00	
* 109 Perylene-d12	264	12.891	12.895	-0.004	99	409183	8.00	

Reagents:

SM_ISTD_LVI_00189 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20191219-103132.b\P085971.D				
Lims ID:	460-199160-H-1-B				
Client ID:	MW-4				
Sample Type:	Client				
Inject. Date:	19-Dec-2019 23:51:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0103132-011				
Operator ID:		Instrument ID:	CBNAMS18		
Method:	\\chromna\Edison\ChromData\CBNAMS18\20191219-103132.b\8270LVI_18.m				
Limit Group:	SV 8270D ICAL				
Last Update:	20-Dec-2019 07:59:18	Calib Date:	17-Oct-2019 16:02:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromna\Edison\Database\NIST02.L				
Min. Match:	80				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0324				
First Level Reviewer: khlungprakhons		Date:	20-Dec-2019 16:46:37		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	149-57-5	Hexanoic acid, 2-ethyl-						
4.920	1398747	7.56	38	90	20007	C8H16O2	144	

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 38 Naphthalene-d8	5.437	1479903	8.00

QC Flag Legend

Processing Flags

Reagents:

SM_ISTD_LVI_00189 Amount Added: 20.00 Units: uL Run Reagent

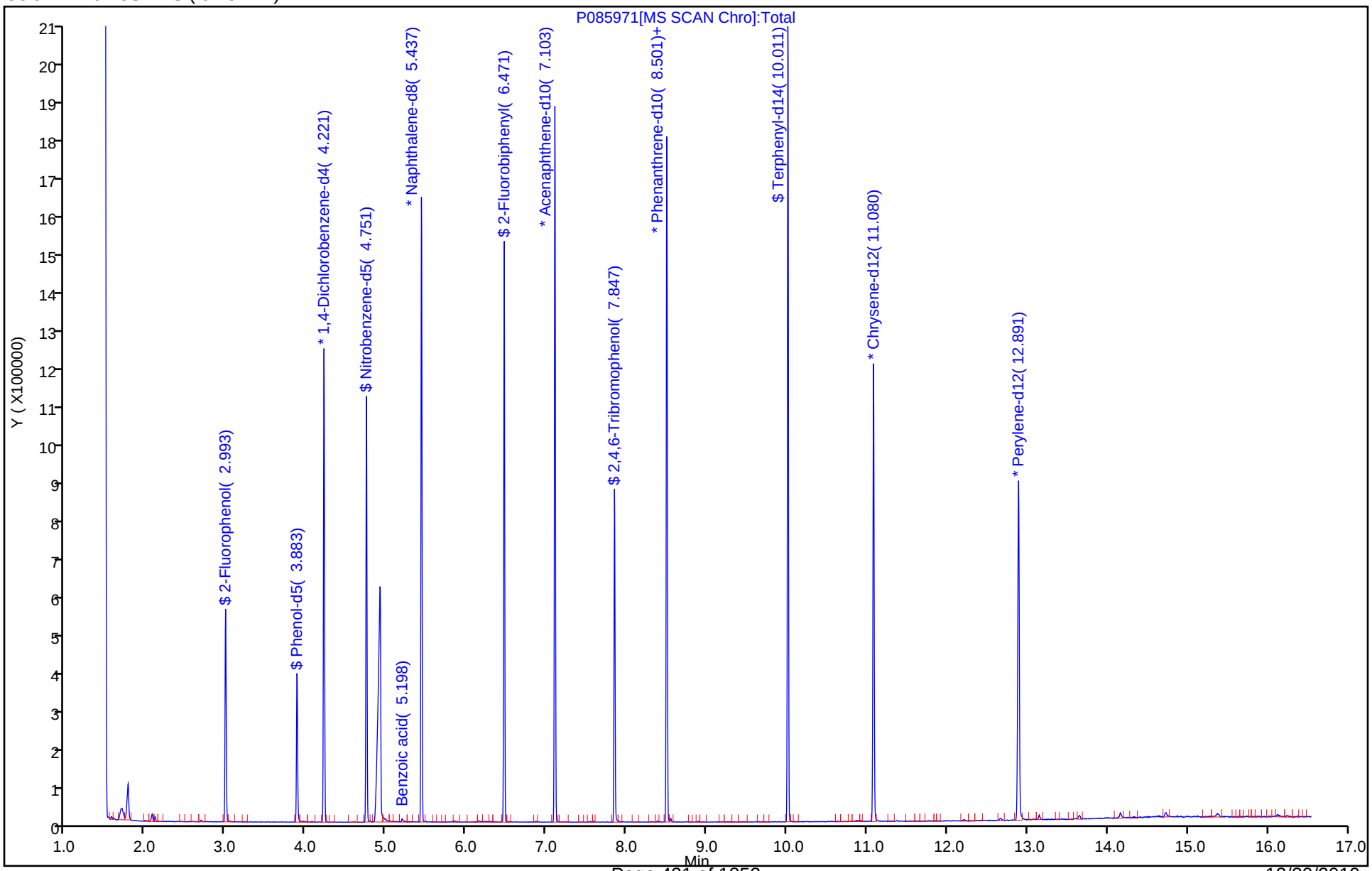
Report Date: 20-Dec-2019 07:59:18 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20191219-103132.b\P085971.D

Injection Date:	19-Dec-2019 23:51:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-199160-H-1-B	Lab Sample ID:	460-199160-1	Worklist Smp#:	11
Client ID:	MW-4				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20191219-103132.b\P085971.D				
Injection Date:	19-Dec-2019 23:51:30	Instrument ID:	CBNAMS18		
Lims ID:	460-199160-H-1-B	Lab Sample ID:	460-199160-1		
Client ID:	MW-4				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0